

# URBAN DESIGN COMMISSION APPLICATION

# UDC

City of Madison  
Planning Division  
Madison Municipal Building, Suite 017  
215 Martin Luther King, Jr. Blvd.  
P.O. Box 2985  
Madison, WI 53701-2985  
(608) 266-4635



## FOR OFFICE USE ONLY:

Date Received \_\_\_\_\_  Initial Submittal  
Paid \_\_\_\_\_  Revised Submittal

**Complete all sections of this application, including the desired meeting date and the action requested.** If your project requires both UDC and Land Use application submittals, a completed [Land Use Application](#) and accompanying submittal materials are also required to be submitted.

*If you need an interpreter, translator, materials in alternate formats or other accommodations to access these forms, please call the Planning Division at (608) 266-4635.*

*Si necesita interprete, traductor, materiales en diferentes formatos, u otro tipo de ayuda para acceder a estos formularios, por favor llame al (608) 266-4635.*

*Yog tias koj xav tau ib tug neeg txhais lus, tus neeg txhais ntawv, los sis xav tau cov ntaub ntawv ua lwm hom ntawv los sis lwm cov kev pab kom paub txog cov lus qhia no, thov hu rau Koog Npaj (Planning Division) (608) 266-4635.*

## 1. Project Information

Address (list all addresses on the project site): 1904 Bartillon Drive (formerly 1902 Bartillon)

Title: City of Madison - Dane County - Men's Homeless Shelter

## 2. Application Type (check all that apply) and Requested Date

UDC meeting date requested 1/10/2024

- New development       Alteration to an existing or previously-approved development  
 Informational       Initial Approval       Final Approval

## 3. Project Type

- Project in an Urban Design District  
 Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)  
 Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)  
 Planned Development (PD)  
     General Development Plan (GDP)  
     Specific Implementation Plan (SIP)  
 Planned Multi-Use Site or Residential Building Complex

### Signage

- Comprehensive Design Review (CDR)  
 Modifications of Height, Area, and Setback  
 Sign Exceptions as noted in [Sec. 31.043\(3\)](#), MGO

### Other

- Please specify  
Public Project

## 4. Applicant, Agent, and Property Owner Information

**Applicant name** Carl Miller  
**Street address** 6515 Grand Teton Plaza; Suite 120  
**Telephone** 608.829.4457

**Company** Dimension IV Madison Design Group  
**City/State/Zip** Madison, WI 53719  
**Email** cmiller@dimensionivmadison.com

**Project contact person** Jon Evans  
**Street address** 210 Martin Luther King Jr. Blvd, Room 115  
**Telephone** 608.243.5893

**Company** City of Madison; Engineering Division  
**City/State/Zip** Madison, WI 53703  
**Email** jevans@cityofmadison.com

**Property owner (if not applicant)** City of Madison  
**Street address** 210 Martin Luther King Jr. Blvd  
**Telephone** \_\_\_\_\_

**City/State/Zip** Madison, WI 53703  
**Email** \_\_\_\_\_

## Introduction

The City of Madison's Urban Design Commission (UDC) has been created to:

- Encourage and promote high quality in the design of new buildings, developments, remodeling, and additions so as to maintain and improve the established standards of property values within the City.
- Foster civic pride in the beauty and nobler assets of the City, and in all other ways possible assure a functionally efficient and visually attractive City in the future.

## Types of Approvals

There are three types of requests considered by the UDC:

- Informational Presentation. A request for an Informational Presentation to the UDC may be requested prior to seeking any approvals to obtain early feedback and direction before undertaking detailed design efforts. Applicants should provide details on the context of the site, design concept, site and building plans, and other relevant information to help the UDC understand the proposal and provide feedback. (Does not apply to CDR's or Signage Modification requests)
- Initial Approval. Applicants may, at their discretion, request Initial Approval of a proposal by presenting preliminary design information. As part of their review, the Commission will provide feedback on the design information that should be addressed at Final Approval stage.
- Final Approval. Applicants may request Final Approval of a proposal by presenting all final project details. Recommendations or concerns expressed by the UDC in the Initial Approval must be addressed at this time.

## Presentations to the Commission

The Urban Design Commission meets virtually via Zoom, typically on the second and fourth Wednesdays of each month at 4:30 p.m. Applicant presentations are strongly encouraged, although not required. Prior to the meeting, each individual speaker is required to complete an online registration form to speak at the meeting. A link to complete the online registration will be provided by staff prior to the meeting. Please note that individual presentations will be limited to a **maximum of three (3) minutes**. The pooling of time may be utilized to provide one speaker more time to present, however the additional time will be based on the number of registrants from the applicant team, i.e. two (2) applicant registrants = six (6) minutes for one (1) speaker.

Primarily, the UDC is interested in the appearance and design quality of projects. Emphasis should be given to the site plan, landscape plan, lighting plan, building elevations, exterior building materials, color scheme, and graphics. Please note that presentation slides, in a PDF file format, are required to be submitted **the Friday before** the UDC meeting.

# URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

The items listed below are minimum application requirements for the type of approval indicated. Please note that the UDC and/or staff may require additional information in order to have a complete understanding of the project.

## 1. Informational Presentation

- Locator Map
- Letter of Intent (If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required)
- Contextual site information, including photographs and layout of adjacent buildings/structures
- Site Plan
- Two-dimensional (2D) images of proposed buildings or structures.

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

### Requirements for All Plan Sheets

1. Title block
2. Sheet number
3. North arrow
4. Scale, both written and graphic
5. Date
6. Fully dimensioned plans, scaled at 1"= 40' or larger

*\*\* All plans must be legible, including the full-sized landscape and lighting plans (if required)*

## 2. Initial Approval

- Locator Map
- Letter of Intent (If the project is within a Urban Design District, a summary of how the development proposal addresses the district criteria is required)
- Contextual site information, including photographs and layout of adjacent buildings/structures
- Site Plan showing location of existing and proposed buildings, walks, drives, bike lanes, bike parking, and existing trees over 18" diameter
- Landscape Plan and Plant List (*must be legible*)
- Building Elevations in **both** black & white and color for all building sides, including material and color callouts
- PD text and Letter of Intent (if applicable)

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

## 3. Final Approval

All the requirements of the Initial Approval (see above), **plus**:

- Grading Plan
- Lighting Plan, including fixture cut sheets and photometrics plan (must be legible)
- Utility/HVAC equipment location and screening details (with a rooftop plan if roof-mounted)
- Site Plan showing site amenities, fencing, trash, bike parking, etc. (if applicable)
- PD text and Letter of Intent (if applicable)
- Samples of the exterior building materials
- Proposed sign areas and types (if applicable)

## 4. Signage Approval (*Comprehensive Design Review (CDR), Sign Modifications, and Sign Exceptions (per [Sec. 31.043\(3\)](#))*)

- Locator Map
- Letter of Intent (a summary of how the proposed signage is consistent with the CDR or Signage Modifications criteria is required)
- Contextual site information, including photographs of existing signage both on site and within proximity to the project site
- Site Plan showing the location of existing signage and proposed signage, dimensioned signage setbacks, sidewalks, driveways, and right-of-ways
- Proposed signage graphics (fully dimensioned, scaled drawings, including materials and colors, and night view)
- Perspective renderings (emphasis on pedestrian/automobile scale viewsheds)
- Illustration of the proposed signage that meets [Ch. 31, MGO](#) compared to what is being requested
- Graphic of the proposed signage as it relates to what the [Ch. 31, MGO](#) would permit

**5. Required Submittal Materials**

**Application Form**

- A completed application form is required for each UDC appearance. For projects also requiring Plan Commission approval, applicants must also have submitted an accepted application for Plan Commission consideration prior to obtaining any formal action (Initial or Final Approval) from the UDC.

**Letter of Intent**

- If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required.
- For signage applications, a summary of how the proposed signage is consistent with the applicable Comprehensive Design Review (CDR) or Signage Modification review criteria is required.

**Development Plans** (Refer to checklist on Page 4 for plan details)

N/A  **Filing Fee** (Refer to Section 7 (below) for a list of application fees by request type)

**Electronic Submittal**

- Complete electronic submittals must be received prior to the application deadline before an application will be scheduled for a UDC meeting. Late materials will not be accepted. All plans must be legible and scalable when reduced. Individual PDF files of each item submitted should be submitted via email to [UDCapplications@cityofmadison.com](mailto:UDCapplications@cityofmadison.com). The email must include the project address, project name, and applicant name.
- Email Size Limits. Note that an individual email cannot exceed 20MB and it is the responsibility of the applicant to present files in a manner that can be accepted. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.

**Notification to the District Alder**

- Please provide an email to the District Alder notifying them that you are filing this UDC application. Please send this as early in the process as possible and provide a copy of that email with the submitted application.

**6. Applicant Declarations**

1. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with Jessica Vaughn, Lisa McNabola, Jenny Kirchgatter, Kevin Fircho on 6/1/2023.
2. The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Name of applicant Carl Miller Relationship to property Architect

Authorizing signature of property owner Jonathan Evans Digitally signed by Jonathan Evans Date 12/11/2023

**7. Application Filing Fees**

Fee payments are due by the submittal date. Payments received after the submittal deadline may result in the submittal being scheduled for the next application review cycle. Fees may be paid in-person, via US Mail, or City drop box. If mailed, please mail to: *City of Madison Building Inspection, P.O. Box 2984, Madison, WI 53701-2984*. The City’s drop box is located outside the Municipal Building at 215 Martin Luther King, Jr. Blvd. on the E Doty Street side of the building. Please make checks payable to *City Treasurer*, and include a completed application form or cover letter indicating the project location and applicant information with all checks mailed or submitted via the City’s drop box.

Please consult the schedule below for the appropriate fee for your request:

- Urban Design Districts: \$350 (per [§33.24\(6\) MGO](#)).
- Minor Alteration in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) : \$150 (per [§33.24\(6\)\(b\) MGO](#))
- Comprehensive Design Review: \$500 (per [§31.041\(3\)\(d\)\(1\)\(a\) MGO](#))
- Minor Alteration to a Comprehensive Sign Plan: \$100 (per [§31.041\(3\)\(d\)\(1\)\(c\) MGO](#))
- All other sign requests to the Urban Design Commission, including, but not limited to: appeals from the decisions of the Zoning Administrator, requests for Sign Modifications (of height, area, and setback), and additional sign code approvals: \$300 (per [§31.041\(3\)\(d\)\(2\) MGO](#))

A filing fee is not required for the following project applications if part of the combined application process involving both Urban Design Commission and Plan Commission:

- Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)
- Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)
- Planned Development (PD): General Development Plan (GDP) and/or Specific Implementation Plan (SIP)
- Planned Multi-Use Site or Residential Building Complex

December 11th, 2023

City of Madison - Planning Division  
Madison Municipal Building, Suite 017  
215 Martin Luther King Jr. Blvd.  
P.O. Box 2985  
Madison, WI 53701-2985

RE: City of Madison – Dane County – Men’s Homeless Shelter  
UDC Final Approval Letter of Intent – 1904 Bartillon Drive (formerly 1902 Bartillon Drive)

Dear Urban Design Commission:

Please see the attached initial approval submittal packet for the City of Madison and Dane County Men’s Homeless Shelter. This packet outlines the design for the development of a new purpose-built homeless shelter located on Bartillon Drive.

**Project & Site:**

The proposed project consists of a single, two-story building with a 22,625 GSF footprint, totaling 43,605 sf. There is a 42’ easement along Stoughton Road.

**Zoning:**

The proposed project is a permitted use as a mission house in Commercial Center District (CC) zoning. Additionally, the project is in a Transit Oriented Development Overlay (TOD) district.

Thank you for your time and consideration. We look forward to the opportunity to present our project on January 10<sup>th</sup>, 2024.

Regards,  
-Carl Miller

6515 Grand Teton Plaza, Suite 120  
Madison, Wisconsin 53719

p 608.829.4444

f 608.829.4445

[dimensionivmadison.com](http://dimensionivmadison.com)

Project Team:

Owner:

City of Madison / Dane County partnership

City of Madison  
Madison Municipal Building  
215 Martin Luther King Jr. Blvd.  
Madison, WI 53703  
Jon Evans ([jevans@cityofmadison.com](mailto:jevans@cityofmadison.com))  
Bryan Cooper ([bcooper@cityofmadison.com](mailto:bcooper@cityofmadison.com))

Dane County  
City-County Building, Room 426  
210 Martin Luther King Jr. Blvd.  
Madison, WI 53703  
Casey Becker ([becker.casey@countyofdane.com](mailto:becker.casey@countyofdane.com))

Operator:

Porchlight  
306 North Brooks St.  
Madison, WI 53715  
Karla Thennes ([kthennes@porchlight.org](mailto:kthennes@porchlight.org))  
Kim Sutter ([ksutter@porchlight.org](mailto:ksutter@porchlight.org))

Architect:

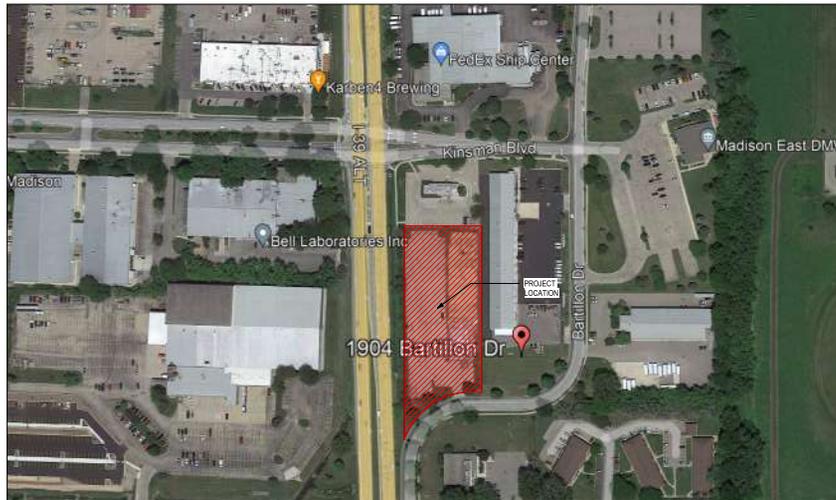
Dimension IV Madison Design Group  
6515 Grand Teton Plaza; Suite 120  
Madison, WI 53719  
Carl Miller ([cmiller@dimensionivmadison.com](mailto:cmiller@dimensionivmadison.com))  
Jim Gersich ([jgersich@dimensionivmadison.com](mailto:jgersich@dimensionivmadison.com))

Civil Engineer &  
Landscape Architecture:

Snyder and Associates  
5010 Voges Road  
Madison, WI 53718  
Scott Anderson ([sanderson@snyder-associates.com](mailto:sanderson@snyder-associates.com))  
Andy Meessmann ([ameessmann@snyder-associates.com](mailto:ameessmann@snyder-associates.com))

# CITY OF MADISON - DANE COUNTY - MEN'S HOMELESS SHELTER

1904 BARTILLON DRIVE,  
MADISON, WI



NEIGHBORHOOD MAP



CITY MAP



STATE MAP

PROJECT/BUILDING DATA		
NEW 2-STORY - HOMELESS SHELTER SERVING PRIMARILY MEN		
BUILDING AREAS	WITH PATIOS	WITHOUT PATIOS
TOTAL BUILDING AREA	= 51,925 GSF	= 43,995 GSF
FIRST FLOOR AREA	= 22,825 GSF	= 22,825 GSF
FIRST FLOOR PATIO AREA	= 3,795 GSF	
FIRST FLOOR TOTAL AREA	= 26,420 GSF	= 22,895 GSF
SECOND FLOOR AREA	= 20,980 GSF	= 20,980 GSF
SECOND FLOOR PATIO AREA	= 3,095 GSF	
SECOND FLOOR TOTAL AREA	= 24,875 GSF	= 20,980 GSF

SHEET LIST	
G1 - COVER SHEET	
V1 - SITE SURVEY	
G2 - SITE PHOTOS	
G3 - SITE PLAN CONTEXT	
G4 - ADJACENT BUILDINGS	
C200 - EXISTING SITE AND DEMO PLAN	
C300 - SITE PLAN	
C301 - DIMENSIONED SITE PLAN	
C310 - FIRE ACCESS PLAN	
C400 - GRADING PLAN	
C401 - EROSION CONTROL PLAN	
C500 - UTILITY PLAN	
C501 - GEOTHERMAL PLAN	
L100 - LANDSCAPE NOTES	
L200 - MULCH, SEED, AND SOD PLAN	
L201 - PLANTING PLAN	
EL001 - SITE LIGHTING AND SITE PHOTOMETRICS PLAN	
EL002 - SITE LIGHTING SCHEDULES	
EP001 - SITE POWER PLAN	
AS1.1 - ARCH SITE PLAN	
AS1.3 - ARCH SITE PLAN - CANOPIES	
AS1.4 - ARCH SITE PLAN - SITE COMPONENTS	
A1 - PROPOSED BUILDING PLAN	
A2 - EXTERIOR ELEVATIONS	
A20 - EXTERIOR ELEVATIONS COLOR	
A4 - PROPOSED BUILDING MASSING 3D	
A5 - RENDERING	
A6 - RENDERING	

- Architecture :** **Dimension IV - Madison Design Group**  
6515 Grand Teton Plaza, Suite 120, Madison, WI 53719  
p: 608.829.4444 www.dimensionivmadison.com
- Trauma Informed Design Consultant :** **Shopworks Architecture**  
301 West 45th Avenue, Denver, Colorado  
p: 303.433.4094 www.shopworksarc.com
- Civil Engineering & Landscape Architecture:** **Snyder and Associates**  
5010 Voges Rd, Madison, WI 53718  
p: 608.838.0444 www.snyder-associates.com
- Structural Engineering:** **Oneida Total Integrated Enterprises**  
5100 Eastpark Blvd Suite 300, Madison, WI 53718  
p: 608.243.6470 www.otie.com
- Mechanical, Electrical, Plumbing and Fire Protection:** **IBC Engineering** **ATTN: Dennis Hess**  
N8 W22195 Johnson Dr, Suite 180, Waukesha, WI 53186  
p: 262.549.1190 www.ibcengineering.com
- Technology, Security Design :** **Convergent Technologies Design Group**  
448 W 37th Street, 7D, New York NY 10018  
p: 646.475.5116 www.ctdgin.com
- Food and Laundry Design :** **Steward Design Associates**  
5325 Wall Street, Suite 2600, Madison, WI 53718  
p: 608.271.8554 www.stewdesign.com
- LEED and Sustainability :** **HabLab**  
Madison, WI 53703  
www.hablab.llc
- Project Owner:** **City of Madison & Dane County Partnership**  
251 Martin Luther King Jr. Blvd. Madison, WI 53703  
p: 608.266.4071 www.cityofmadison.com
- Shelter Operator:** **Porchlight**  
306 North Brooks St., Madison, WI 53719  
p: 608.257.2534 www.porchlightinc.org

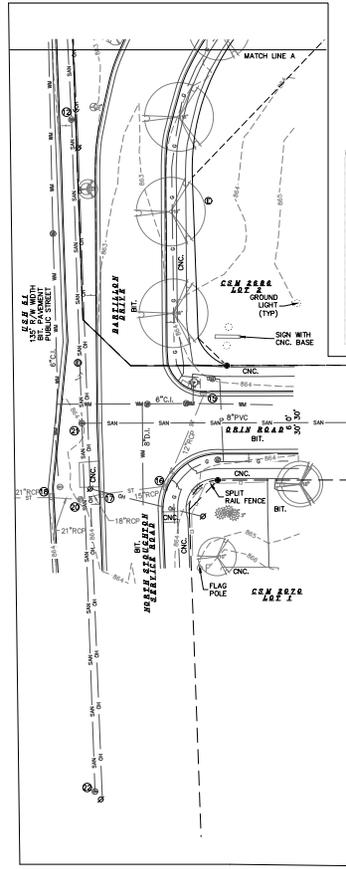
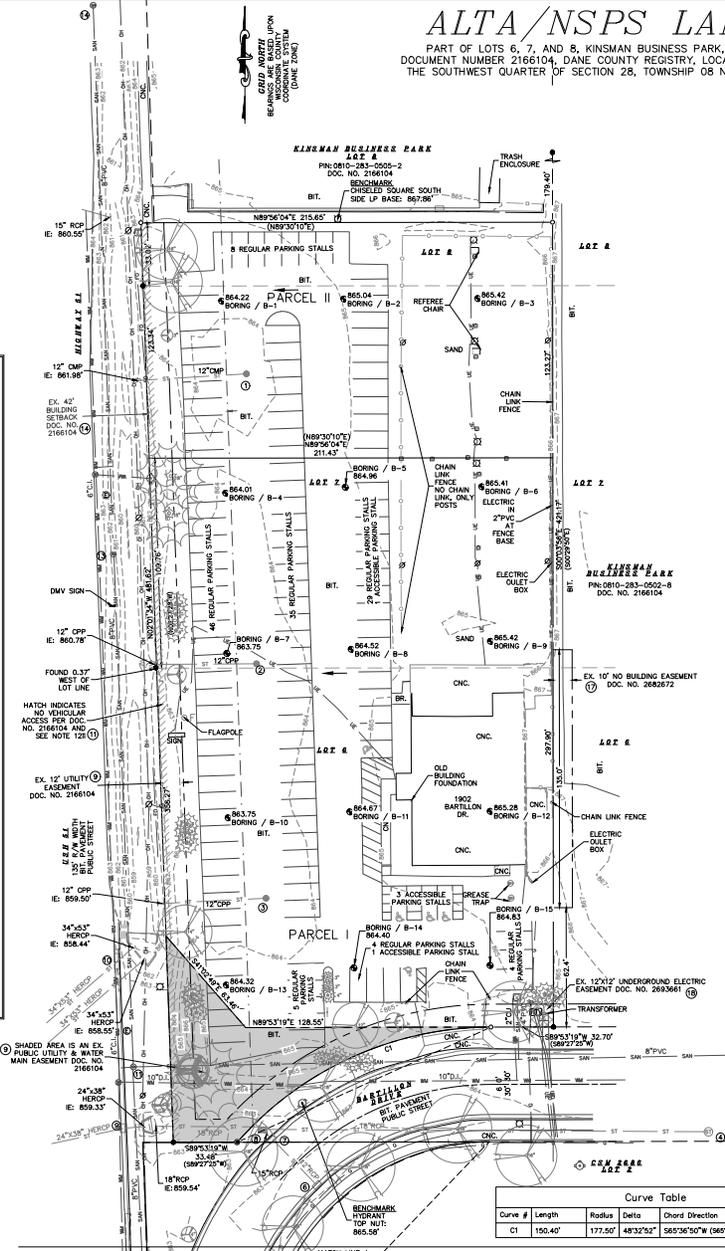


**DIGGERS HOTLINE**  
 Dial 811 or (800) 242-8511  
 www.DiggersHotline.com

- LEGEND**
- 1.25" IRON PIPE FOUND
  - 3/4" SOLID IRON ROD FOUND
  - 3/4" X 18" SOLID IRON RE-ROD SET, WT. 1.50 lbs./ft.
  - SPOT ELEVATION
  - OVERHEAD UTILITY WIRE
  - BURIED GAS LINE
  - WATER MAIN
  - SANITARY SEWER
  - STORM SEWER
  - BURIED TELEPHONE
  - BURIED ELECTRIC
  - BURIED CABLE ACCESS TELEVISION LINE
  - BURIED FIBER OPTIC
  - WATER VALVE
  - GAS VALVE
  - GAS METER
  - AC AIR CONDITIONER
  - TV TV PEDESTAL
  - ⊕ ELECTRIC PEDESTAL
  - ⊕ UTILITY POLE
  - ⊕ LIGHT POLE
  - ⊕ GROUND LIGHT
  - ⊕ TELEPHONE PEDESTAL
  - ⊕ FIRE HYDRANT
  - SIGN
  - CITY WIRE
  - ⊕ MAILBOX
  - ⊕ BOLLARD
  - STORM SEWER INLET
  - ⊕ ELECTRIC MANHOLE
  - ⊕ TELEPHONE MANHOLE
  - ⊕ STORM SEWER MANHOLE
  - ⊕ ROUND CATCH BASIN
  - STORM SEWER STRUCTURE
  - ⊕ SANITARY SEWER MANHOLE
  - ⊕ DECIDUOUS TREE (DBH IN INCHES)
  - ⊕ CONIFEROUS TREE (DBH IN INCHES)
  - ( ) INDICATES RECORDED AS
- DIMENSIONS ARE MEASURED TO THE NEAREST HUNDRETH OF A FOOT. BUILDINGS ARE MEASURED TO THE NEAREST TENTH OF A FOOT.

# ALTA/NSPS LAND TITLE SURVEY

PART OF LOTS 6, 7, AND 8, KINSMAN BUSINESS PARK, AS RECORDED IN VOLUME 56-74B OF PLATS, ON PAGE 218, AS DOCUMENT NUMBER 2166104, DANE COUNTY REGISTRY, LOCATED IN THE SOUTHWEST QUARTER AND THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 28, TOWNSHIP 08 NORTH, RANGE 10 EAST, CITY OF MADISON, DANE COUNTY, WISCONSIN



**DESCRIPTION FURNISHED - PER TITLE REPORT**

**PARCEL I:**  
 PART OF LOTS SIX (6) AND SEVEN (7), KINSMAN BUSINESS PARK, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, MORE FULLY DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHWEST CORNER OF SAID LOT 6; THENCE NORTH 02°27'28" WEST, 358.28 FEET; THENCE NORTH 89°30'10" EAST, 214.43 FEET; THENCE SOUTH 02°27'28" EAST, 297.90 FEET; THENCE SOUTH 89°27'28" WEST, 32.79 FEET TO A POINT OF CURVE; THENCE SOUTHWESTERLY ON A CURVE TO THE LEFT WITH A RADIUS OF 177.50 FEET AND A CHORD WHICH BEARS SOUTH 65°10'54" WEST, 145.94 FEET; THENCE SOUTH 89°27'28" WEST, 35.48 FEET TO THE POINT OF BEGINNING.

**PARCEL II:**  
 PART OF LOTS SEVEN (7) AND EIGHT (8), KINSMAN BUSINESS PARK, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, MORE FULLY DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHWEST CORNER OF SAID LOT 6; THENCE NORTH 02°27'28" WEST, 358.28 FEET; THENCE NORTH 89°30'10" EAST, 214.43 FEET; THENCE SOUTH 02°27'28" EAST, 297.90 FEET; THENCE SOUTH 89°27'28" WEST, 32.79 FEET TO A POINT OF CURVE; THENCE SOUTHWESTERLY ON A CURVE TO THE LEFT WITH A RADIUS OF 177.50 FEET AND A CHORD WHICH BEARS SOUTH 65°10'54" WEST, 145.94 FEET; THENCE SOUTH 89°27'28" WEST, 35.48 FEET TO THE POINT OF BEGINNING.

**SURVEYOR'S CERTIFICATE:**  
 To: City of Madison and First American Title Company.  
 This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 1, 2, 3, 4, 5, 7a, 8, 9 and 18 of Table A hereof. The fieldwork was completed on May 18, 2022.  
 Dated this \_\_\_\_ day of \_\_\_\_\_, 2022.  
 Signed: \_\_\_\_\_  
 Michele L. Burse, P.L.S. No. 2020  
 EMAIL: MBURSE@EBC-INC.NET

NUMBER	REMARKS	DATE	BY	DESCRIPTION	REVISION
1	FIELD WORK	05/18/22	MB	FIELD WORK	
2	FIELD WORK	05/19/22	MB	FIELD WORK	
3	FIELD WORK	05/20/22	MB	FIELD WORK	
4	FIELD WORK	05/21/22	MB	FIELD WORK	
5	FIELD WORK	05/22/22	MB	FIELD WORK	
6	FIELD WORK	05/23/22	MB	FIELD WORK	
7	FIELD WORK	05/24/22	MB	FIELD WORK	
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64	FIELD WORK	07/20/22	MB	FIELD WORK	
65	FIELD WORK	07/21/22	MB	FIELD WORK	
66	FIELD WORK	07/22/22	MB	FIELD WORK	
67	FIELD WORK	07/23/22	MB	FIELD WORK	
68	FIELD WORK	07/24/22	MB	FIELD WORK	
69	FIELD WORK	07/25/22	MB	FIELD WORK	
70	FIELD WORK	07/26/22	MB	FIELD WORK	
71	FIELD WORK	07/27/22	MB	FIELD WORK	
72	FIELD WORK	07/28/22	MB	FIELD WORK	
73	FIELD WORK	07/29/22	MB	FIELD WORK	
74	FIELD WORK	07/30/22	MB	FIELD WORK	
75	FIELD WORK	07/31/22	MB	FIELD WORK	
76	FIELD WORK	08/01/22	MB	FIELD WORK	
77	FIELD WORK	08/02/22	MB	FIELD WORK	
78	FIELD WORK	08/03/22	MB	FIELD WORK	
79	FIELD WORK	08/04/22	MB	FIELD WORK	
80	FIELD WORK	08/05/22	MB	FIELD WORK	
81	FIELD WORK	08/06/22	MB	FIELD WORK	
82	FIELD WORK	08/07/22	MB	FIELD WORK	
83	FIELD WORK	08/08/22	MB	FIELD WORK	
84	FIELD WORK	08/09/22	MB	FIELD WORK	
85	FIELD WORK	08/10/22	MB	FIELD WORK	
86	FIELD WORK	08/11/22	MB	FIELD WORK	
87	FIELD WORK	08/12/22	MB	FIELD WORK	
88	FIELD WORK	08/13/22	MB	FIELD WORK	
89	FIELD WORK	08/14/22	MB	FIELD WORK	
90	FIELD WORK	08/15/22	MB	FIELD WORK	
91	FIELD WORK	08/16/22	MB	FIELD WORK	
92	FIELD WORK	08/17/22	MB	FIELD WORK	
93	FIELD WORK	08/18/22	MB	FIELD WORK	
94	FIELD WORK	08/19/22	MB	FIELD WORK	
95	FIELD WORK	08/20/22	MB	FIELD WORK	
96	FIELD WORK	08/21/22	MB	FIELD WORK	
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98	FIELD WORK	08/23/22	MB	FIELD WORK	
99	FIELD WORK	08/24/22	MB	FIELD WORK	
100	FIELD WORK	08/25/22	MB	FIELD WORK	



- NOTES:**
- Dates of field work: May 10, May 16, May 18, May 31, 2022, June 09, and June 17, 2022.
  - Total Parcel Area: 92,324.50 SF.
  - Routing of public utilities is based upon markings provided by Digger's Hotline Ticket Number 202203424, 2022224029, drawings obtained from City of Madison, and visible aboveground structures. Additional buried utilities/structures may be encountered. No excavations were made to locate utilities. BURSE does not warrant the location of underground utilities. Before excavations are performed contact Digger's Hotline.
  - No attempt has been made as a part of this survey to obtain or show data concerning condition or capacity of any utility or municipal/public service facility. For information regarding these utilities or facilities, please contact the appropriate agency.
  - All surface and subsurface improvements on and adjacent to the site are not necessarily shown hereon, as they were not observed during the course of the survey.
  - All trees, hedges and ground cover on the site may not necessarily be shown hereon.
  - Exist as specifically stated or shown on this map, this survey does not purport to reflect any of the following which may be applicable to the subject real estate: easements, building setback lines, restrictive covenants, subdivision restrictions, zoning or other land use regulations; and any other facts in public or private records.
  - There are 131 regular parking stalls and 5 accessible parking stalls.
  - There is no evidence of recent earth moving work, building construction or building additions observed in the process of conducting the fieldwork.
  - Elevations are based upon NAVD83 datum. Elevations are transferred to the site utilizing RTK GPS surveying while observing the WISCONSIN NETWORK, WISCONSIN 128.
  - By graphic plotting only, this parcel is located in Zone X per the Flood Insurance Rate Map Community Panel Number 55025C0427H, dated 9/17/2014.
  - Surveyor has made no investigation or independent search for encumbrances, unrecorded easements, restrictive covenants, or other facts that on accurate and current title search may disclose. Surveyor was provided with a Title Commitment Number NCS-1086426-MAD dated 08/31/2021 from First American Title Company, which references the following (numbers show match items in Schedule B, Part 1, Exceptions of Commitment) (Surveyor's notes are in brackets):  
 9. Easements for public utilities, water main and incidental purposes disclosed by plot of Kinsman Business Park. [shown]  
 10. Drainage waste requirement as noted on plot of Kinsman Business Park. [NOTE FROM PLAT: Arrows indicate the direction of drainage waste construction during grading. Drainage swales shall be maintained by the lot owner unless modified with the approval of the city engineer.]  
 11. No vehicular access along U.S. Highway 51 and a portion of Kinsman Boulevard as disclosed by plot of Kinsman Business Park. [shown]  
 12. Notations set forth on plot of Kinsman Business Park, stating:  
 (1) Developer shall obtain approval of city engineer for storm water detention plan in accordance with Chap. 37 of Madison General Ordinances prior to issuance of building permits for Lots 2 through 7. The storm water detention plan shall be developed using the runoff from all the lots in this first plat including Lots 1 and 8. [General in nature and cannot be mapped]  
 (2) As owner, hereby restrict Lots 1, 6, 7, and 8 in that no owner, subdivider, user, nor licensee nor other person shall have any right of direct vehicular ingress or egress with U.S. Highway 51/US-51 unless expressly released that this restriction shall constitute a restriction for the benefit of the public according to Section 236.203, Wisconsin Statutes, and shall be enforceable by the Department of Transportation. [General in nature and cannot be mapped]  
 13. Existing structure disclosed on plot of Kinsman Business Park. [Structure is no longer on site]  
 14. Building set-back line shown on the Plat of Kinsman Business Park, Location, Metway 42 East. [shown]  
 15. Comments, conditions and restrictions contained in an instrument Recorded: October 18, 1989 Volume 13440 of Records, Page 24, as Document No. 2167491. [General in nature and cannot be mapped]  
 16. Comments, conditions and restrictions contained in an instrument Recorded: January 5, 1990 Volume 13726 of Records, Page 15, as Document No. 2179710. [General in nature and cannot be mapped]  
 17. Comments, conditions and restrictions contained in an instrument Recorded: June 19, 1995 Volume 13088 of Records, Page 32, as Document No. 268372. [General in nature and cannot be mapped]  
 18. Easement to Madison Gas & Electric Company Recorded: August 04, 1995 Volume 30465 of Records, Page 71, as Document No. 268365. [shown]  
 19. Easement to City of Madison Recorded: September 29, 1995 Volume 30938 of Records, Page 25, as Document No. 270752. Terminated per Document.  
 20. Possible easements and conditions created in instrument Recorded: February 21, 1997, as Document No. 2653760. [General in nature and cannot be mapped]

**Curve Table**

Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C1	150.40'	177.50'	48°32'52"	S65°36'50"W (S60°10'56"W)	145.94'

SURVEYED FOR:  
 City of Madison

SURVEYED BY:  
**Burse**  
 surveying & engineering  
 2801 International Lane, Suite 101  
 Madison, WI 53704 608.250.9263  
 Fax: 608.250.9266  
 email: mburse@burse-ncs.net  
 www.burse-engineering.com

Date: June 17, 2022  
 Plot View: ALTA  
 BSE22596.dwg (Survey) BSE22596\_v2018.dwg



View from Bartillon Dr. SE



View from N Stoughton Rd. SW



View down Bartillon Dr. SW



General View from Bartillon Dr. S



View from N Stoughton Rd. NW



View down Bartillon Dr. SE



Aerial view Looking East

**UDC FINAL  
 APPROVAL**

DATE OF ISSUE: 12/11/2023

**PRELIMINARY  
 NOT FOR  
 CONSTRUCTION**

PROJECT # 22061

**SITE PHOTOS**



**CITY OF MADISON -  
DANE COUNTY -  
MEN'S HOMELESS  
SHELTER**  
1904 BARTILLON DRIVE,  
MADISON, WI

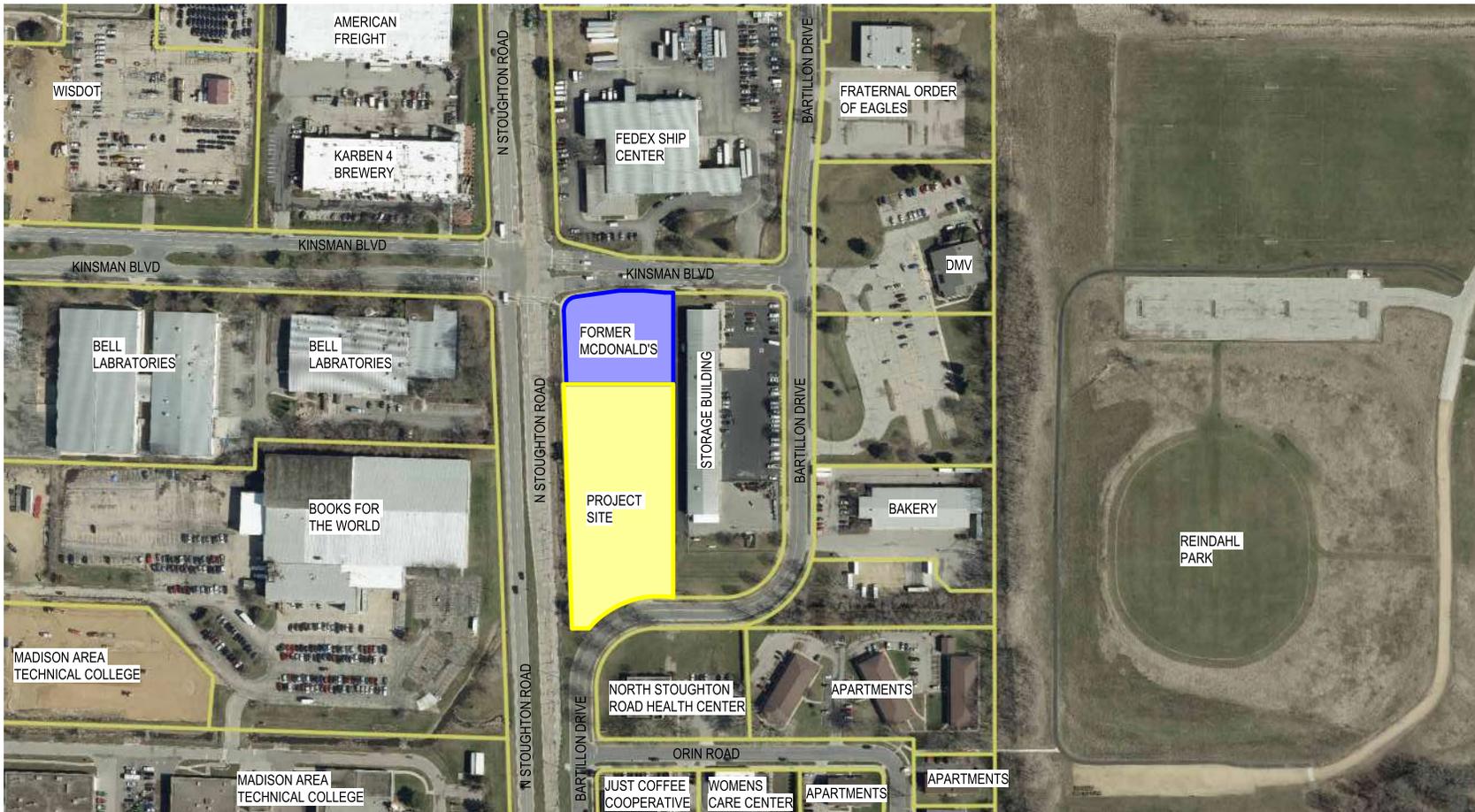
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APPROVAL**

DATE OF ISSUE: 12/11/2023

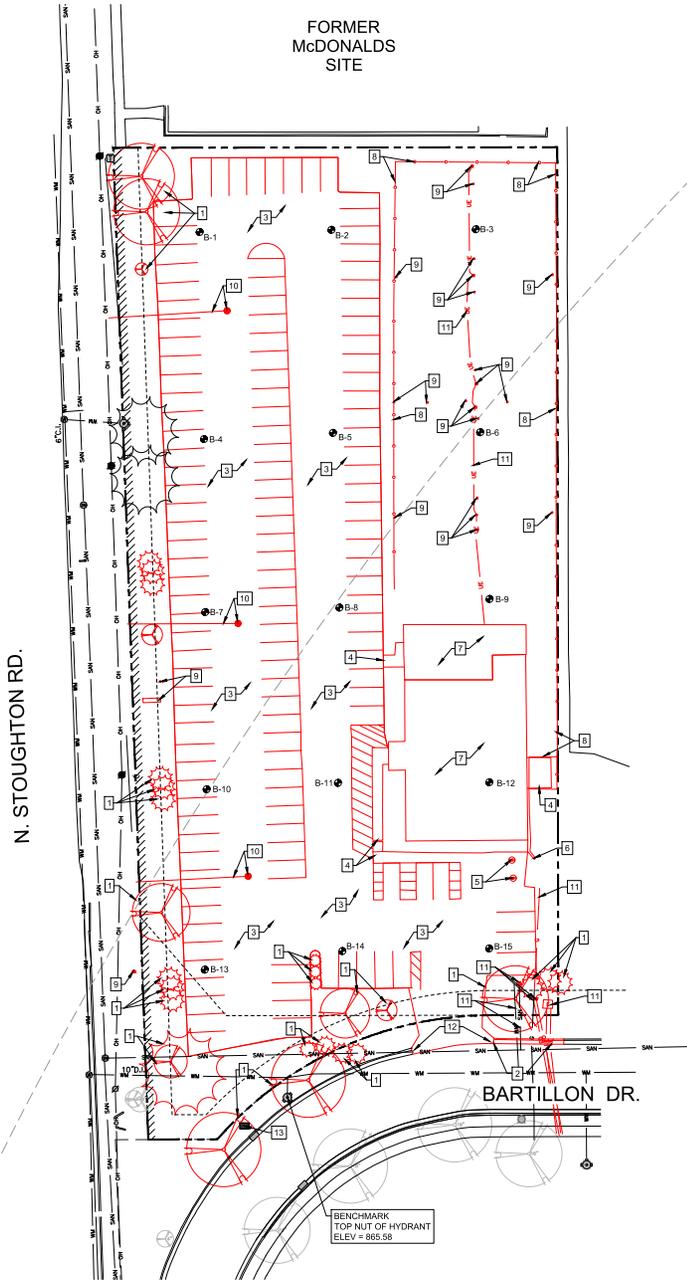
**PRELIMINARY  
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PROJECT # 22061

**SITE PLAN CONTEXT**







FORMER  
McDONALDS  
SITE

N. STOUGHTON RD.

BARTILLON DR.

BENCHMARK  
TOP NUT OF HYDRANT  
ELEV = 865.58

**PLAN NOTES:**

CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS PRIOR TO COMMENCING WORK ON SITE  
CONTRACTOR SHALL CALL FOR UTILITY LOCATIONS PRIOR TO COMMENCING WORK ON SITE  
EXISTING SITE CONDITIONS BASED ON ALTA SURVEY BY:  
BURSE SURVEYING & ENGINEERING  
PHONE: 608-250-9283  
DATED: JUNE 17, 2022

CONTRACTOR SHALL PROVIDE ALL NECESSARY EROSION CONTROL MEASURES PER TOWN, VILLAGE, COUNTY AND STATE SPECIFICATIONS. ALL MEASURES ARE TO BE IN PLACE PRIOR TO COMMENCING WORK ON SITE. ALL MEASURES SHALL BE MAINTAINED UNTIL SITE SOILS ARE STABILIZED. SEE SHEET SWP1 - SWP4 FOR MORE INFORMATION

CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS FOR DEMOLITION AND CONSTRUCTION PRIOR TO COMMENCING ANY WORK ON SITE.

ALL DAMAGED ASPHALT ON BARTILLON DRIVE SHALL BE PATCHED TO THE CENTERLINE OF THE ROAD WITH A MINIMUM 10' WIDTH.

ALL EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO DEMOLITION ACTIVITIES.  
EXISTING ASPHALT REMOVAL SHALL BE COORDINATED WITH GEOTHERMAL CONTRACTOR.

**SITE PLAN KEYNOTES**

1. REMOVE EXISTING TREES AND SHRUBS IN THEIR ENTIRETY, CLEAR AND GRUB
2. EXISTING CURB HEADS TO BE REMOVED FOR NEW DRIVEWAY APPROACH
3. REMOVE EXISTING ASPHALT PAVEMENT - COORDINATE WITH GEOTHERMAL CONTRACTOR
4. REMOVE EXISTING CONCRETE SIDEWALKS
5. REMOVE EXISTING GREASE INTERCEPTOR
6. REMOVE EXISTING RETAINING WALL
7. REMOVE EXISTING BUILDING AND CONCRETE PATIO INCLUDING FOOTINGS / FOUNDATION
8. REMOVE EXISTING FENCE AND POSTS ENTIRELY
9. REMOVE MISC. SITE OBJECTS (LIGHT POLES, FLAG POLE, SIGN, ETC.)
10. REMOVE EXISTING STORM INLETS AND CONNECTED PIPES
11. ABANDON EXISTING UTILITIES PER CITY OF MADISON STANDARDS
12. REMOVE EXISTING DRIVEWAY APPROACH AND INFILL WITH NEW CONCRETE CURB & GUTTER
13. REMOVE CASTING AND REPLACE WITH SOLID CASTING PER CITY STANDARDS

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PROJECT # 122.1182.30

**MENS HOMELESS SHELTER**  
1904 BARTILLON DR.  
MADISON, WI 53704

DATE OF ISSUE:	12/29/2022
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UDC	12/08/2023

REVISIONS:

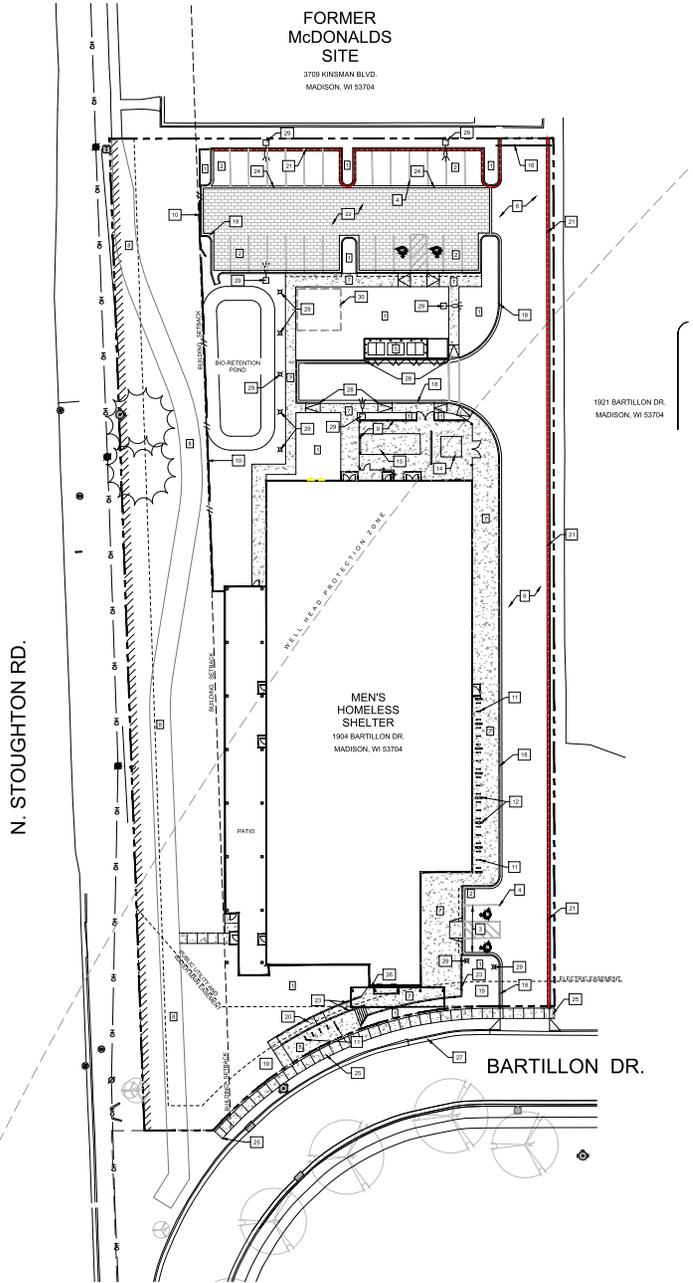
<b>PRELIMINARY</b>	
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PROJECT #	22061

EX. SITE &  
DEMO. PLAN

**C 200**

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**SITE PLAN KEYNOTES**

1. LANDSCAPE AREA.
2. OFF-STREET PARKING STALLS STRIPING - 4" WIDE STALL LINES, USE HIGH VISIBILITY YELLOW PAINT. SPACES PROVIDED (2) 9'-0" X 18'-0" GENERAL PARKING (2) 9'-0" X 20'-0" ACCESSIBLE PARKING (1) 9'-0" X 20'-0" LOADING ZONE
3. A.D.A. ACCESSIBLE PARKING SPACE WITH LOADING ZONE. PROVIDE APPROPRIATE STRIPING AND PAVEMENT MARKINGS.
4. 4" WIDE, HIGH VISIBILITY, PAVEMENT STRIPING, LANE MARKINGS AND TEXT. COLOR: YELLOW PAINT SHALL MEET CITY OF MADISON SPECIFICATIONS
5. DUMPSTER ENCLOSURE AREA WITH 6" DEPTH CONCRETE PAD
6. 6" DEPTH (MIN.) CONCRETE PAVEMENT WITH #3 REBAR 3' O.C.
7. 5" DEPTH CONCRETE SIDEWALK / PATIO
8. 10" WIDE HARD SURFACE PEDESTRIAN / BIKE PATH - LATER SEPARATE CONTRACT BY THE CITY OF MADISON (DESIGN BY OTHERS)
9. 6" HIGH TYPE 1 METAL FENCE WITH DOUBLE GATE
10. 6" HIGH TYPE 2 METAL FENCE
11. BIKE RACK LOCATIONS, SPACING PER CITY OF MADISON BIKE RACK REQUIREMENTS
12. COLUMNS FOR ROOF SUPPORT, SEE ARCHITECTURAL PLANS
13. CONCRETE PATIO AREA
14. TRANSFORMER LOCATION
15. BACKUP GENERATOR
16. GATE LOCATION
17. EMERGENCY SERVICE KNOX BOX
18. STANDARD 18" CONCRETE CURB
19. POTENTIAL ART LOCATION
20. PEDESTRIAN RAMP
21. 18" CONCRETE REJECT CURB
22. PERMEABLE PAVERS, SEE DETAIL 6 ON SHEET C 601
23. PROPOSED RAILING, BY OTHERS
24. CONCRETE RIBBON CURB, SEE DETAIL ON C 601
25. STANDARD CITY OF MADISON SIDEWALK
26. ENTRY CANOPY
27. 4 40 LF INFILL / MATCH INTO EXISTING CURB AND GUTTER
28. DRIVEWAY SECTION OF CURB AND GUTTER
29. SITE LIGHT POLES - BOLLARD STYLE AND STREET LIGHT STYLE
30. FUTURE PAVILION

**NOTE:**

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES ON AND ADJACENT TO THE SITE PRIOR TO THE START OF THE PROJECT.

RADI ARE FROM FACE OF CURB  
DIMENSIONS ARE FROM FACE OF CURB

**SITE INFORMATION**

ZONING DISTRICT: CC - COMMERCIAL CENTER  
TOTAL SITE AREA: 92,204 SF / 2.12 ACRES  
TOTAL DISTURBED AREA: 98,785 SF / 2.23 ACRES  
PAVED AREA: 19,185 SF  
BUILDING AREA: 26,402 SF  
FUTURE PAVILION AREA: 420 SF  
SIDEWALK / PICNIC AREA: 7,546 SF

**PARKING STALL COUNT**

STANDARD PARKING: 29 STALLS  
ADA PARKING: 2 STALLS WITH LOADING ZONE  
TRUCK PARKING: 1 UNLOADING STALL

ADA PARKING STALL REQUIREMENTS:  
ADA STALLS REQUIRED ON SITE: 1  
ADA STALLS SHOWN ON THE PLANS: 2 (1 VAN)

**BIKE PARKING STALL COUNT**

BIKE PARKING: 42 STALLS (COVERED)  
BIKE PARKING: 10 STALLS (UNCOVERED)

**BUILDING HEIGHTS - 5 STORIES / 78' MAXIMUM**

OVERALL HEIGHT: 28'-0" TOP OF SECOND FLOOR ROOF

**BUILDING SETBACKS**

SEE THE CITY OF MADISON CODE OF ORDINANCES CHAPTER 28.068 - COMMERCIAL CENTER DISTRICT

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**S**  
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608-838-0444  
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PROJECT # 122.1182.30

**MENS HOMELESS SHELTER**  
1904 BARTILLON DR.  
MADISON, WI 53704

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UDC	12/08/2023

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**SITE PLAN**



**C 300**

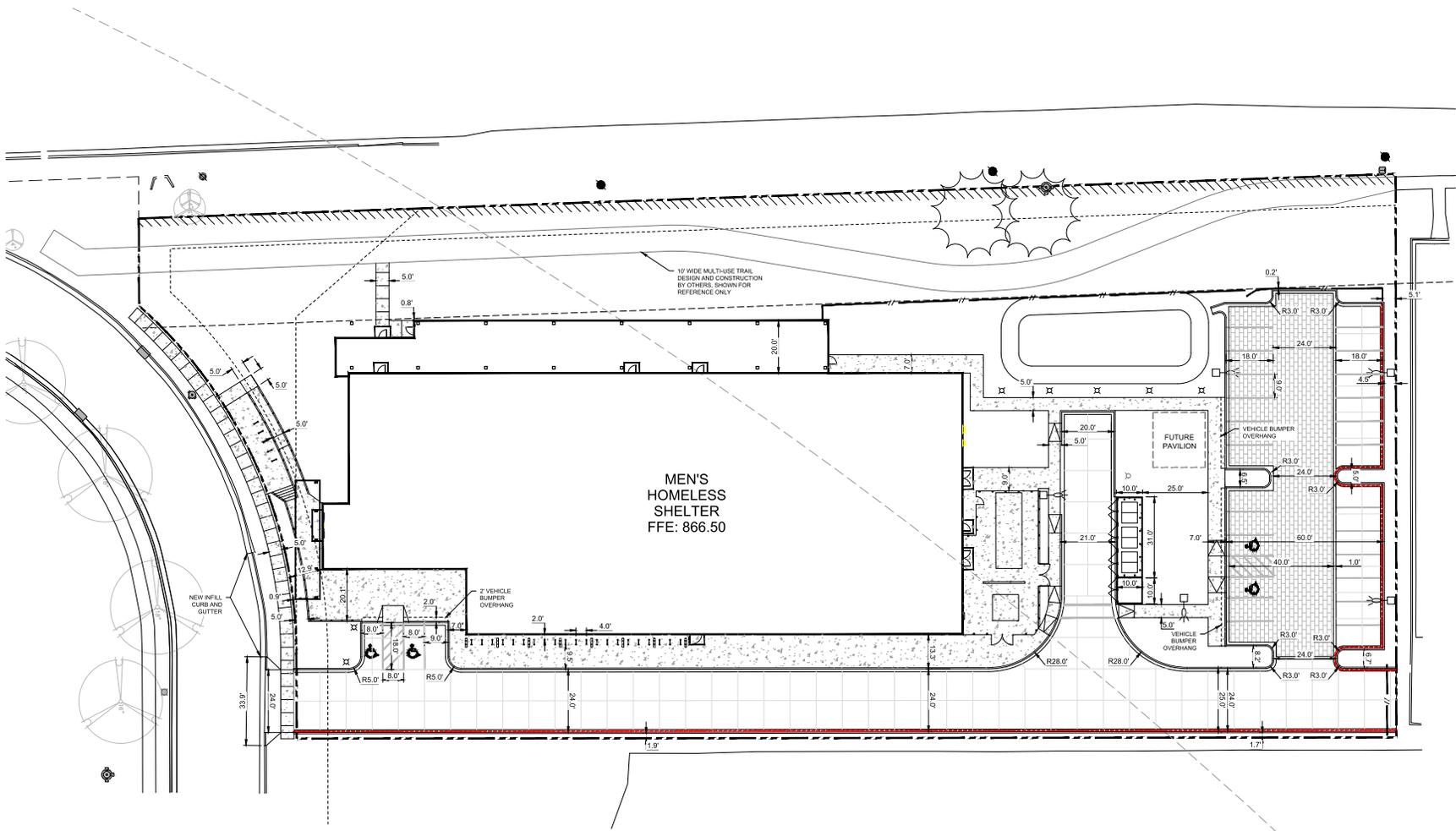


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1904 BARTILLON DR.  
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MEN'S HOMELESS SHELTER  
FFE: 866.50

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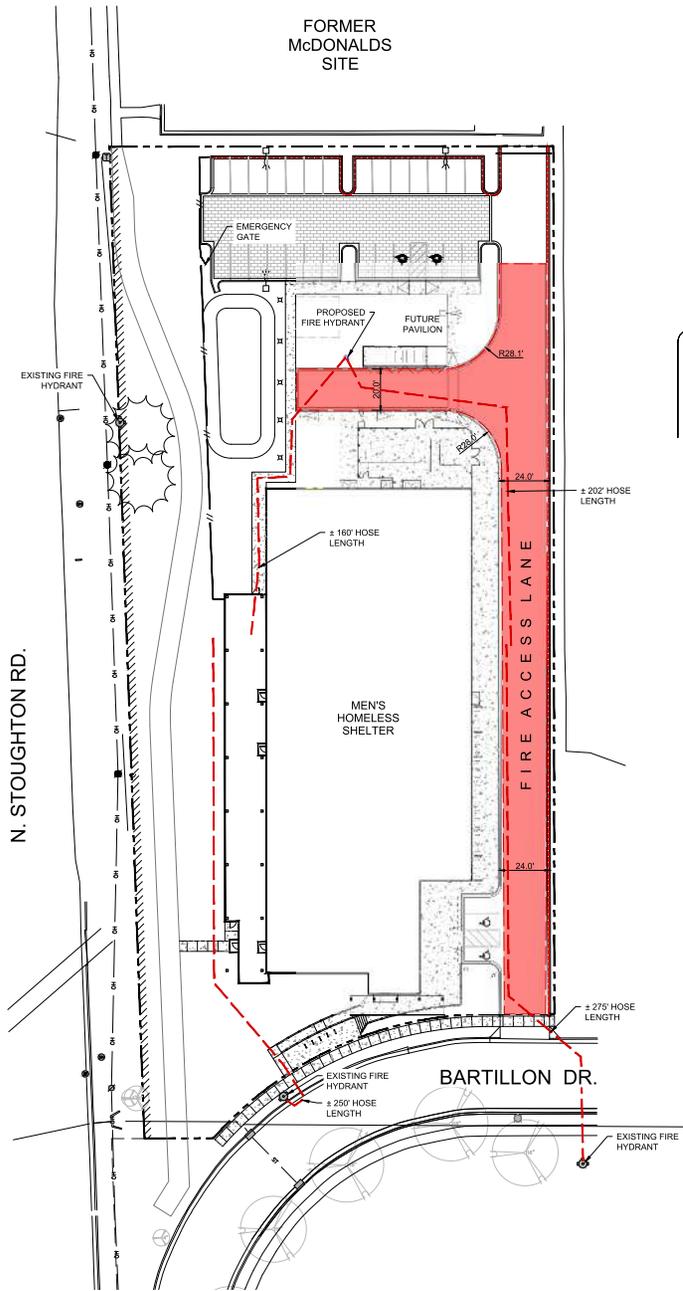
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PROJECT # 22061

**DIMENSION SITE PLAN**



**C 301**



FORMER  
McDONALDS  
SITE

N. STOUGHTON RD.

BARTILLON DR.

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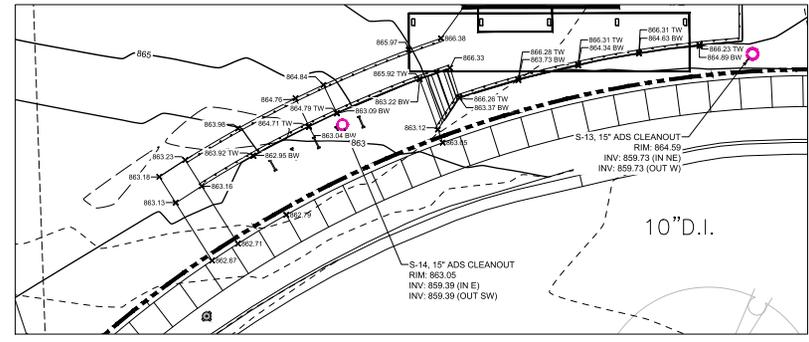
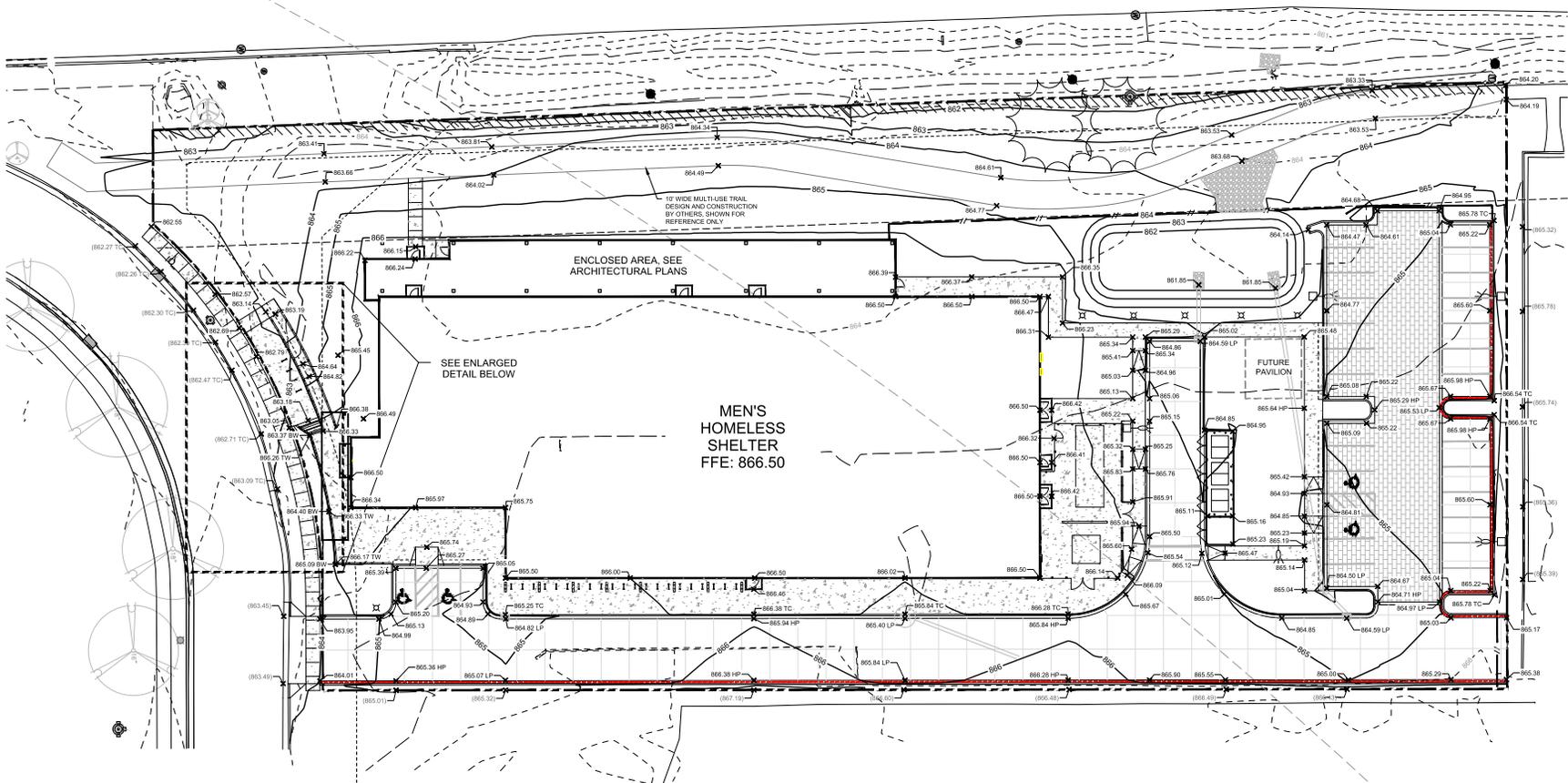
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**FIRE ACCESS PLAN**

**C 310**





ENLARGED FRONT ENTRY DETAIL  
SCALE: 1" = 10'

**GRADING NOTES:**

- 870.50 = PROPOSED GRADE SPOT ELEVATION
- (870.50) = EXISTING GRADE SPOT ELEVATION
- HP = HIGH POINT FOR DRAINAGE
- LP = LOW POINT FOR DRAINAGE
- TW = TOP OF WALL
- BW = BOTTOM OF WALL
- BC = BACK OF CURB
- ALL LANDSCAPE AND SOG AREAS SHALL HAVE POSITIVE DRAINAGE

**NOTE FOR GRADING CONTRACTOR:**

ANY PROPERTY IRONS THAT ARE DISTURBED IN THE GRADING PROCESS SHALL BE RESET BY A LICENSED LAND SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.

**NOTES:**

ENGINEER TO OBTAIN RIGHT-OF-WAY EXCAVATION PERMIT PRIOR TO BEGINNING SITE WORK.

CONTRACTOR SHALL LOCATE ALL UTILITIES WHICH MAY AFFECT THIS WORK. NOTIFY THE OWNER OF ANY POTENTIAL CONFLICTS.

CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED ELEVATIONS PRIOR TO START OF CONSTRUCTION. VERIFY CRITICAL ELEVATIONS TO ENSURE CONFORMANCE WITH GRADING PLAN, PARTICULARLY WITH WALK AND/OR PAVEMENTS TO REMAIN. MEET EXISTING GRADES ALONG STREETS, PROPERTY LINES, AND DRIVEWAY ENTRANCES. RESTORE ALL EXISTING PAVEMENTS THAT REMAIN TO THEIR ORIGINAL IF NOT BETTER CONDITION. NOTIFY OWNER OF ANY CONFLICTS.

AREAS NOT DRAINED AND TO BE LANDSCAPED SHALL RECEIVE MINIMUM OF 4" DEPTH COMPACTED TOPSOIL.

CONTRACTOR SHALL COORDINATE GRADINGS AND INSTALLATION OF DRIVES IN R.O.W. WITH APPROPRIATE GOVERNMENT AGENCIES. OBTAIN APPROPRIATE PERMITS FOR GRADING AND DRAINAGE IN ALL R.O.W.

REFER TO OWNER'S SPECIFICATIONS FOR CURB, APPROACH, AND CONCRETE PROFILES AS WELL AS ADDITIONAL SITE STANDARDS RELATED TO THIS PROJECT.

EXCAVATOR IS RESPONSIBLE FOR ALL EROSION CONTROL INSPECTIONS

**MENS HOMELESS SHELTER**

1904 BARTILLON DR.  
MADISON, WI 53704

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**GRADING PLAN**

**C 400**

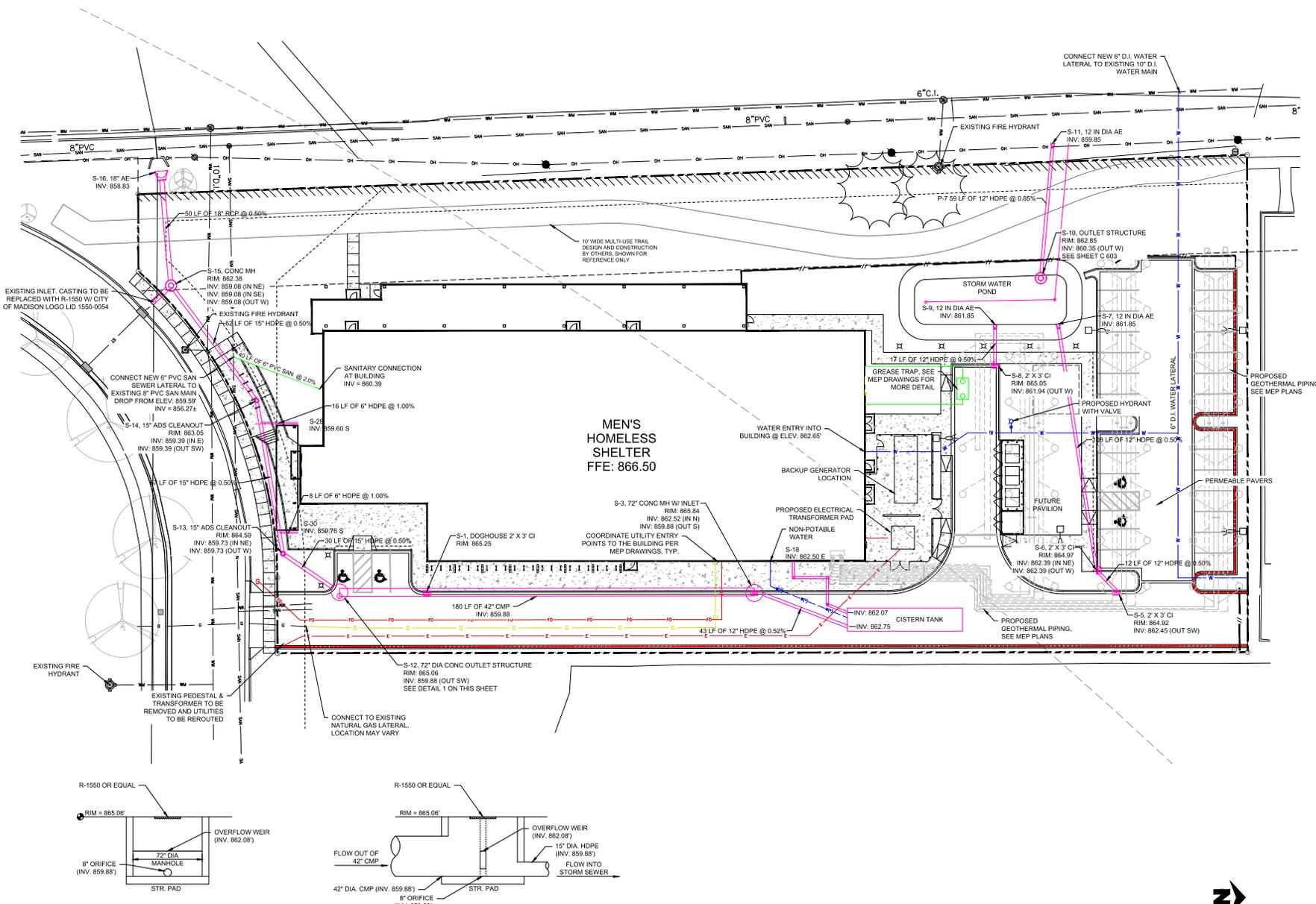




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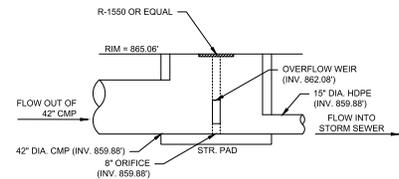
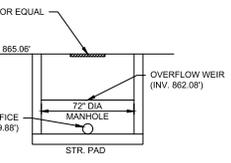
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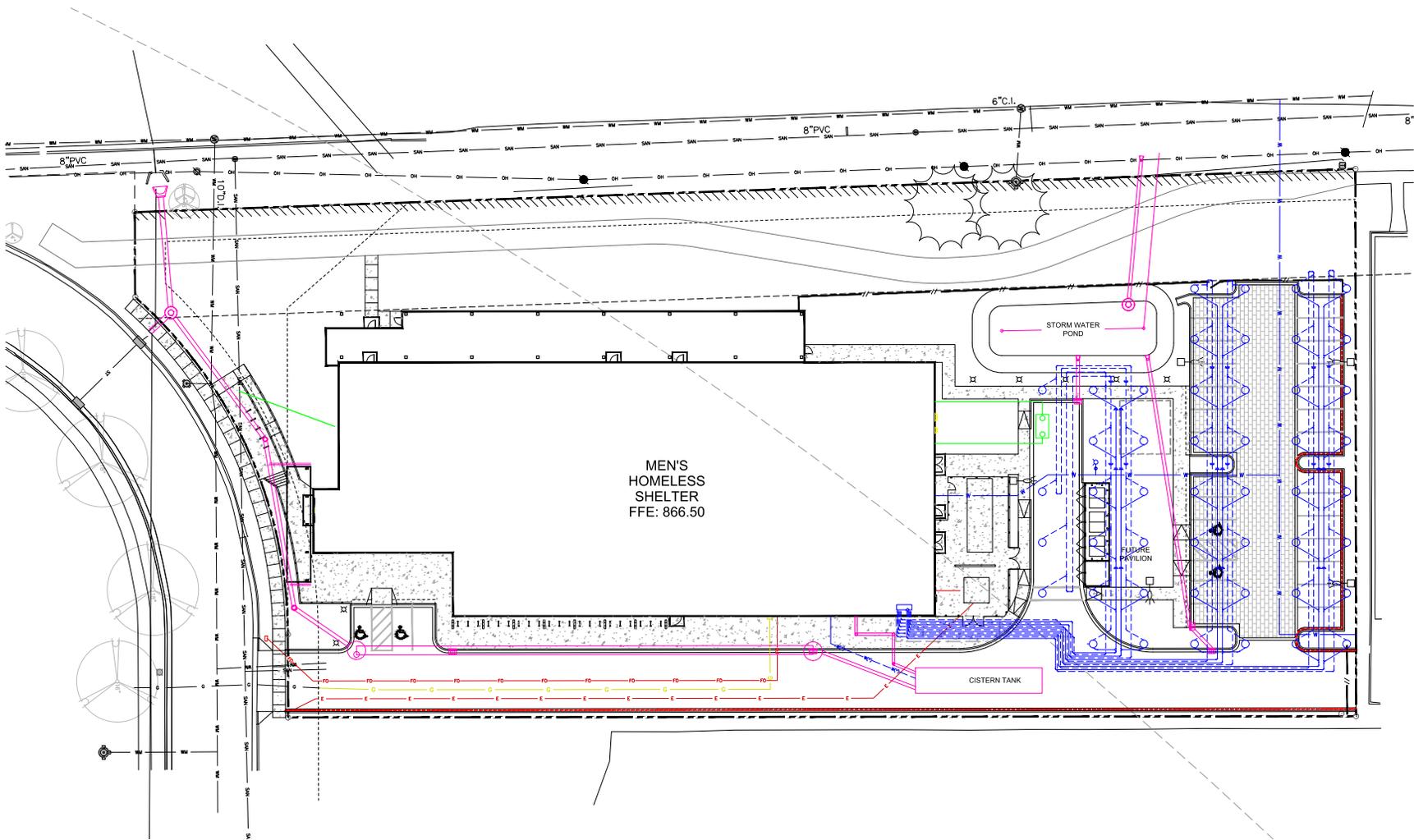
PROJECT # 22061

**UTILITY PLAN**

**C 500**

1 OUTLET STRUCTURE S-12 DETAIL  
SCALE: NTS





THIS SHEET IS FOR REFERENCE ONLY. SEE MEP PLANS FOR GEOTHERMAL LAYOUT AND DESIGN.

**MENS HOMELESS SHELTER**  
1904 BARTILLON DR.  
MADISON, WI 53704

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PROJECT # 22061

**GEOTHERMAL PLAN**



**C 501**

**GENERAL LANDSCAPE NOTES**

- UTILITY WARNING: THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA. EITHER IN SERVICE OR ABANDONED. THE SURVEY FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.
- NOTIFY UTILITY OWNERS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION AND DEPTH OF ALL UTILITIES. AVOID DAMAGE TO UTILITIES AND SERVICES DURING CONSTRUCTION. ANY DAMAGE DUE TO THE CONTRACTORS CARELESSNESS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. COORDINATE AND COOPERATE WITH UTILITY COMPANIES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL FOLLOW THE LANDSCAPE PLANS AS CLOSELY AS POSSIBLE. ANY SUBSTITUTION OR ALTERATION SHALL NOT BE ALLOWED WITHOUT APPROVAL OF THE OWNER'S REPRESENTATIVE. OVERALL PLANT QUANTITY AND QUALITY SHALL BE CONSISTENT WITH THE PLANS.
- ALL PLANT MATERIAL SHALL AT LEAST MEET MINIMUM REQUIREMENTS SHOWN IN THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60-1-LATEST EDITION).
- MULCH SHALL NOT BE PLACED AROUND THE COLLAR OF SHRUB OR TREE. PROVIDE A MINIMUM OF 2" BETWEEN MULCH AND COLLAR OF SHRUB OR TREE.
- ALL PLANT MATERIAL SHALL BE GROWN IN ZONE CAPABLE OF WITHSTANDING LOCAL CLIMATE AND GROWING CONDITIONS.
- TREE OR SHRUB SHALL STAND PLUMB. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACK FILLING.
- LIVE PLANTS CAN BE PLANTED IN THE FIELD DURING THE GROWING SEASON FROM MAY 1 THROUGH OCTOBER 1. ANY SUGGESTED PLANTING TIMES NOT IN THIS WINDOW SHALL BE APPROVED BY LANDSCAPE ARCHITECT. IF PLANTING OCCURS OUTSIDE OF THIS WINDOW, ADDITIONAL MEASURES MAY NEED TO BE TAKEN (I.E. MULCH) TO ENSURE PLANT SURVIVAL. IN THESE INSTANCES, THE CONTRACT PRICE MAY NEED TO BE ADJUSTED ACCORDINGLY.
- PLANTS SHOULD BE WATERED IN AFTER INSTALLATION TO ENSURE THEIR SURVIVAL. THIS TYPICALLY INVOLVES WATERING AT TIME OF INSTALLATION AND 2 TIMES WEEKLY FOR A ONE-MONTH PERIOD OR UNTIL GROUND FREEZE UP IF NATURAL RAINFALLS ARE INSUFFICIENT. A SINGLE WATERING EVENT INVOLVES WATERING THE SOIL IN THE PLANTED AREAS TO THE POINT OF SATURATION BUT STOPPING SHORT OF SOIL DISPLACEMENT. SHOULD VERY DRY CONDITIONS DEVELOP WITHIN ONE YEAR OF PLANTING, ADDITIONAL WATERINGS MAY BE NECESSARY. CONSULT LANDSCAPE ARCHITECT WILL DETERMINE NECESSARY AND CONTRACT PRICES MAY BE ADJUSTED TO ACCOMMODATE THIS ACTION.
- ALL PLANT MATERIAL SHALL BE SPECIMEN QUALITY, HEALTHY, FREE OF DISEASE AND INSECTS AND SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS. PLANTS SHALL ALSO BE FREE FROM PHYSICAL DAMAGE OR OTHER CONDITIONS THAT WOULD PREVENT VIGOROUS GROWTH.
- ALL PROPOSED PLANTS SHALL BE LOCATED AS SHOWN ON PLANS. ALL TREES TO BE PLANTED A MINIMUM DISTANCE OF 5 FEET FROM PAVEMENTS AND 6 FEET FROM ALL HYDRANTS.
- CONTRACTOR IS RESPONSIBLE FOR PLANTS AWAITING INSTALLATION AND SHALL PROTECT THEM FROM INJURY AND THEFT.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES. GRAPHIC QUANTITIES TAKES PRECEDENCE OVER WRITTEN QUANTITIES.
- THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO INSPECT AND TAG ALL PLANT MATERIAL PRIOR TO SHIPPING TO THE SITE. IN ALL CASES, THE OWNER'S REPRESENTATIVE MAY REJECT PLANT MATERIAL AT THE SITE IF MATERIAL IS DAMAGED, DISEASED, OR DECLINING IN HEALTH AT THE TIME OF ON-SITE INSPECTIONS OR IF THE PLANT MATERIAL DOES NOT MEET THE MINIMUM SPECIFIED STANDARD IDENTIFIED ON THE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR INSPECTION AND APPROVAL OF ALL MATERIALS AND PRODUCTS PRIOR TO INSTALLATION.
- THE OWNER'S REPRESENTATIVE MAY ELECT TO UPSIZE PLANT MATERIAL AT THEIR DISCRETION BASED ON SELECTION, AVAILABILITY, OR TO ENHANCE SPECIFIC AREAS OF THE PROJECT. THE CONTRACTOR SHALL VERIFY PLANT MATERIAL SIZES WITH OWNER'S REPRESENTATIVE PRIOR TO PURCHASING, SHIPPING OR STOCKING OF PLANT MATERIALS. SUBMIT CHANGE ORDER REQUEST TO OWNER'S REPRESENTATIVE FOR APPROVAL IF ADDITIONAL COST IS REQUESTED BY THE CONTRACTOR PRIOR TO INSTALLATION. RE-STOCKING CHARGES WILL NOT BE APPROVED IF THE CONTRACTOR FAILS TO SUBMIT A REQUEST FOR MATERIAL CHANGES.
- THE CONTRACTOR SHALL WARRANTY ALL CONTRACTED WORK AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER SUBSTANTIAL COMPLETION HAS BEEN ISSUED BY THE OWNER'S REPRESENTATIVE FOR THE ENTIRE PROJECT UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING POSITIVE DRAINAGE EXISTS IN ALL LANDSCAPE AREAS. SURFACE DRAINAGE ON LANDSCAPE AREAS SHALL NOT FLOW TOWARD STRUCTURES AND FOUNDATIONS. MAINTAIN SLOPE AWAY FROM FOUNDATIONS PER THE GEOTECHNICAL REPORT RECOMMENDATIONS. ALL LANDSCAPE AREAS BETWEEN WALKS AND CURBS SHALL DRAIN FREELY TO THE CURB UNLESS OTHERWISE IDENTIFIED ON THE GRADING PLAN. IN NO CASE SHALL THE GRADE, TURF THATCH, OR OTHER LANDSCAPE MATERIALS DAM WATER AGAINST WALKS. MINIMUM SLOPES ON LANDSCAPE AREAS SHALL BE 2%; MAXIMUM SLOPE SHALL BE 25% UNLESS SPECIFICALLY IDENTIFIED ON THE PLANS OR APPROVED BY THE OWNER'S REPRESENTATIVE.
- PRIOR TO INSTALLATION OF PLANT MATERIALS, AREAS THAT HAVE BEEN COMPACTED OR DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE THOROUGHLY LOOSENEED TO A DEPTH OF 8" - 12".
- ALL LANDSCAPED AREAS ARE TO RECEIVE ORGANIC SOIL PREPARATION PER RATE IDENTIFIED BY A SOIL TEST.
- TREES SHALL NOT BE LOCATED IN DRAINAGE SWALES, DRAINAGE AREAS, OR UTILITY EASEMENTS. CONTACT OWNER'S REPRESENTATIVE FOR RELOCATION OF PLANTS IN QUESTIONABLE AREAS PRIOR TO INSTALLATION.
- THE CENTER OF EVERGREEN TREES SHALL NOT BE PLACED CLOSER THAN 8' AND THE CENTER OF ORNAMENTAL TREES CLOSER THAN 6' FROM A SIDEWALK, STREET OR DRIVE LANE.

- ALL EVERGREEN TREES SHALL BE FULLY BRANCHED TO THE GROUND AND SHALL NOT EXHIBIT SIGNS OF ACCELERATED GROWTH AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
- ALL TREES ARE TO BE STAKED AND GUYED PER DETAILS FOR A PERIOD OF 1 YEAR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING STAKES AT THE END OF 1 YEAR FROM ACCEPTANCE OF LANDSCAPE INSTALLATION BY THE OWNER'S REPRESENTATIVE. OBTAIN APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO REMOVAL.
- ALL TREES INSTALLED ABOVE RETAINING WALLS UTILIZING GEO-GRID MUST BE HAND DUG TO PROTECT GEO-GRID. IF GEO-GRID MUST BE CUT TO INSTALL TREES, APPROVAL MUST BE GIVEN BY OWNER'S REPRESENTATIVE PRIOR TO DOING WORK.
- ALL TREES IN SEED OR TURF AREAS SHALL RECEIVE MULCH RINGS. OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE FOR ANY TREES THAT WILL NOT BE MULCHED FOR EXCESSIVE MOISTURE REASONS.
- EXISTING TURF AREAS THAT ARE DISTURBED DURING CONSTRUCTION, ESTABLISHMENT AND THE MAINTENANCE PERIOD SHALL BE RESTORED WITH NEW SOD TO MATCH EXISTING TURF SPECIES. DISTURBED NATIVE AREAS WHICH ARE TO REMAIN SHALL BE OVER SEEDED AND RESTORED WITH SPECIFIED SEED MIX.
- WHEN COMPLETE, ALL GRADES SHALL BE WITHIN +/- 1/8" OF FINISHED GRADES AS SHOWN ON THE PLANS.
- PRIOR TO THE PLACEMENT OF MULCH AND WEED FABRIC, A GRANULAR, PRE-EMERGENT, WEED CONTROL AGENT SHALL BE ADDED TO ALL PLANTING BEDS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION, EXCEPT AROUND ORNAMENTAL GRASSES.
- THE CONTRACTOR IS EXPECTED TO KNOW AND UNDERSTAND THE CITY AND COUNTY SPECIFICATIONS FOR LANDSCAPE. IN CASES OF DISCREPANCIES THE HIGHER OF THE TWO STANDARDS SHALL HAVE PRECEDENCE.
- ALL TREES PLANTED WITHIN RIGHT-OF-WAY WILL INCLUDE CITY APPROVED ROOT BARRIERS.

**CITY LANDSCAPE REGULATIONS**

**DEVELOPMENT REQUIREMENT:**  
 REQUIRED LANDSCAPED AREAS SHALL BE CALCULATED BASED UPON THE TOTAL DEVELOPED AREA OF THE PROPERTY. DEVELOPED AREA IS DEFINED AS THAT AREA WITHIN A SINGLE CONTIGUOUS BOUNDARY WHICH IS MADE UP OF STRUCTURES, PARKING, DRIVEWAYS AND DOCK/LOADING FACILITIES, BUT EXCLUDING THE AREA OF ANY BUILDING FOOTPRINT AT GRADE, LAND DESIGNATED FOR OPEN SPACE USES SUCH AS ATHLETIC FIELDS, AND UNDEVELOPED LAND AREA ON THE SAME ZONING LOT. THERE ARE THREE METHODS FOR CALCULATING LANDSCAPE POINTS DEPENDING ON THE SIZE OF THE LOT AND ZONING DISTRICT.

5 LANDSCAPE POINTS SHALL BE PROVIDED FOR EACH 300 SF OF DEVELOPED AREA.  
 TOTAL DEVELOPMENT AREA: 65,922 SF  
 TOTAL LANDSCAPE POINTS REQUIRED: 1,099  
 TOTAL POINTS PROVIDED: 1,153

**DEVELOPMENT FRONTAGE:**  
 REQUIREMENT:  
 1 OVERSTORY TREE AND 5 SHRUBS FOR EACH 30 LF OF LOT FRONTAGE

BARTILLO DRIVE:  
 125 LF / 30 = 5 TREES AND 21 SHRUBS  
 STOUGHTON ROAD (HWY 51):  
 482 LF / 30 = 17 TREES AND 80 SHRUBS

PROVIDED:  
 BARTILLO DRIVE:  
 1 OVERSTORY TREE  
 24 ORNAMENTALS COUNTED AS 2 PER CODE)  
 3 TREES PROVIDED AND 146 SHRUBS  
 \*BUILDING FACIAD'S ADJACENCY TO PUBLIC SIDEWALK AND MAXIMUM SETBACK OF 20' PER TOD ZONING CODE LIMIT PLANTING ANY ADDITIONAL TREES.  
 STOUGHTON ROAD (HWY 51):  
 1 (3 EVERGREENS COUNTED AS 1 PER CODE)  
 2 EXISTING EVERGREENS  
 9 CANOPY TREES  
 12 TREES PROVIDED AND 0 SHRUBS\*\*  
 \*\*PROPOSED MULTI-USE TRAIL LIMITS TREE PLACEMENT  
 \*PROJECT PROGRAM REQUIRES HIGH VISIBILITY TO BUILDING AND PATRONS - NO SHRUBS PROVIDED TO MAINTAIN UNOBSTRUCTED VISUAL SIGHTLINES.

**INTERIOR PARKING LOT SCREENING:**  
 REQUIREMENT:  
 1. 8% OF ASPHALT OR CONCRETE AREA OF THE PARKING LOT SHALL BE DEVOTED TO INTERIOR PLANTING ISLANDS, PENINSULAS, OR LANDSCAPE STRIPS. 7,300 SF OF PARKING X 8% = 584 SF OF REQUIRED LANDSCAPE.  
 2. 1 CANOPY TREE FOR EVERY 160 SF OF REQUIRED LANDSCAPE AREA. 584 / 160 = 3.65 TREES REQUIRED

PROVIDED: 2 TREES\*  
 \*GEOTHERMAL WELL FIELD LIMITS PLACEMENT OF CANOPY TREES AT PARKING LOT.



TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
**CALL DIGGERS HOTLINE**  
**1-800-242-8511**  
**TOLL FREE**  
 WS. STATUTE 182.0175 (1974)  
 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

**PLANT SCHEDULE**

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	POINTS	POINTS
<b>TREES</b>								
	CO2	3	Carya ovata	Shagbark Hickory	2.5" Cal.	B&B	35	105
	GD	2	Gymnocladus dioica 'Espresso'	Kentucky Coffeetree	2.5" Cal.	B&B	35	70
	QM	1	Quercus macrocarpa	Burr Oak	2.5" Cal.	B&B	35	35
	QV	3	Quercus velutina	Black Oak	2.5" Cal.	B&B	35	105
	SR	1	Syringa reticulata	Japanese Tree Lilac	2.5" Cal.	B&B	35	35
	UC	1	Ulmus x 'Cathedral'	Cathedral Elm	2.5" Cal.	B&B	35	35
<b>EVERGREEN TREES</b>								
	PB2	3	Picea mariana	Black Spruce	5' Ht.	B&B	35	105
	TB	12	Thuja occidentalis 'Brandon'	Brandon Arborvitae	4' Ht.	B&B	10	120
	TS2	9	Thuja occidentalis 'Skinner Dwarf'	Skinner Dwarf Arborvitae	4' Ht.	B&B	10	90
<b>ORNAMENTAL TREES</b>								
	AX	2	Amelanchier x grandiflora	Apple Serviceberry	1.5" Cal.	B&B	15	30
<b>SHRUBS</b>								
	AR	9	Amelanchier alnifolia 'Regent'	Regent Serviceberry	3 gal.	Pot	3	27
	AM2	39	Arctostaphylos uva-ursi 'Massachusetts'	Massachusetts Kinnikinnick	3 gal.	Pot	3	117
	CF	6	Cornus sericea 'Farrow' TM	Arctic Fire Red Twig Dogwood	3 gal.	Pot	3	18
	DF	9	Dasiphora fruticosa	Bush Cinquefoil	3 gal.	Pot	3	27
	JB2	8	Juniperus horizontalis 'Blue Rug'	Blue Rug Juniper	3 gal.	Pot	4	32
<b>GRASSES</b>								
	BB	38	Bouteloua gracilis 'Blonde Ambition'	Blonde Ambition Blue Grama	1 gal.	Pot	2	76
	SP	26	Sporobolus heterolepis	Prairie Dropseed	1 gal.	Pot	2	52
<b>GREEN ROOF</b>								
	GRF2	1,664 sf	GREENROOF	GREENROOF	flat	SEE SPECIFICATIONS		
<b>GREEN WALL</b>								
	PO3	109 sf	Parthenocissus quinquefolia	Virginia Creeper	flat	Plug		
	PT3	110 sf	Parthenocissus tricuspidata	Boston Ivy	flat	Plug		
<b>GROUND COVERS</b>								
	TB2	11,017 sf	50% FESCUE 50% BLUEGRASS BLEND	Sod	sod			
	NN2	14,173 sf	Native Seed	Native Seed	seed	Short Prairie for Medium Soils		
<b>BIORETENTION PLUGS</b>								
	BP	1,334	Bio Plugs	Bio Plugs	4"	Plug		

1,079 PROPOSED LANDSCAPE POINTS  
 70 EXISTING LANDSCAPE POINTS  
 1,149 TOTAL POINTS



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 PROJECT # 122.1182.30

**MENS HOMELESS SHELTER**  
 1904 BARTILLO DR.  
 MADISON, WI 53704

DATE OF ISSUE:	12/29/2022
PRE-DESIGN	3/23/2023
INFORMATIONAL MEETING	6/12/2023
SCHEMATIC DESIGN	6/16/2023
DESIGN DEVELOPMENT	8/18/2023
UDC	12/08/2023

REVISIONS:

<b>PRELIMINARY</b>	
<b>NOT FOR CONSTRUCTION</b>	

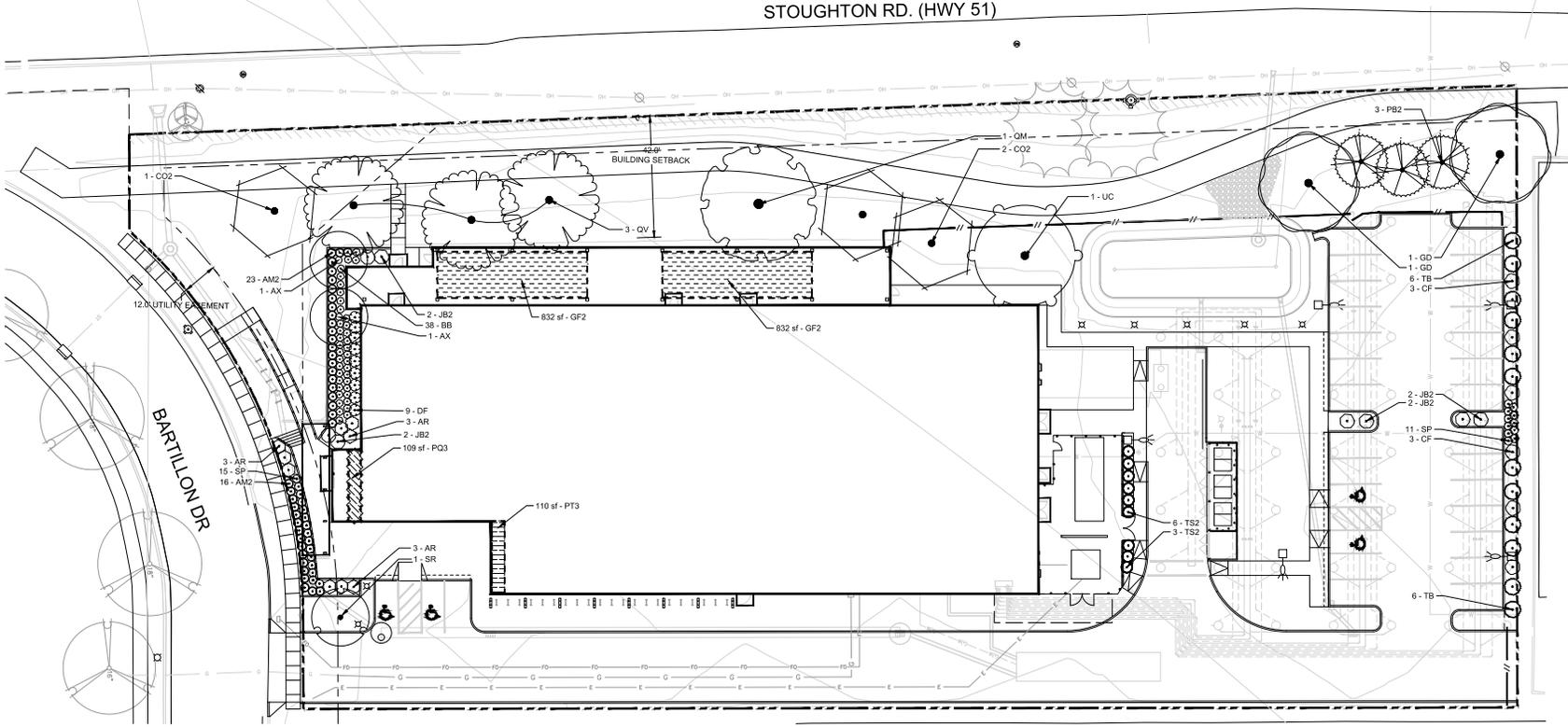
PROJECT # 22061

**LANDSCAPE NOTES**

**L 100**



STOUGHTON RD. (HWY 51)



PLANT SCHEDULE	
CODE	COMMON NAME
<b>TREES</b>	
CO	Black Oak
OM	Burr Oak
UC	Cathedral Elm
SR	Japanese Tree Lilac
CD	Kentucky Coffeetree
CO2	Shagbark Hickory
<b>EVERGREEN TREES</b>	
PB2	Black Spruce
DF	Brandon Arborvitae
TS2	Skinner Dwarf Actinorhiza
<b>ORNAMENTAL TREES</b>	
AX	Apple Serviceberry
<b>SHRUBS</b>	
CF	Arctic Fire Red Twig Dogwood
JB2	Blue Rug Juniper
DF	Bush Cinquefoil
AM2	Massachusetts Kalmuckia
AR	Regent Serviceberry
<b>GRASSES</b>	
BB	Blonde Ambition Blue Grama
SP	Prairie Dropseed
<b>GREEN ROOF</b>	
GF2	GREENROOF
<b>GREEN WALL</b>	
PT3	Boston Ivy
PQ3	Virginia Creeper

GREEN ROOF				
GF2	1,064 sf	GREENROOF	flat	SEE SPECIFICATIONS
GREEN WALL				
PQ3	109 sf	Parthenocissus quinquefolia	Virginia Creeper	flat Plug
PT3	110 sf	Parthenocissus tricuspidata	Boston Ivy	flat Plug

Native Plants for Extensive Green Roofs														
SCIENTIFIC NAME	COMMON NAME	Exposure	HEIGHT	COLOR	BLOOM TIME									
					Min-Max (Typical)	A	M	J	J	A	S	O		
Allium cernuum	NODDING WILD ONION	Sun/Pt. Shade	3-2' (1.5')	Pink										
Antennaria neglecta	PRAIRIE PUSSEYTOES	Sun/Pt. Shade	4"	White										
Aquilegia canadensis	WILD COLUMBINE	Sun/Pt. Shade	2-4' (3')	Red										
Bouteloua gracilis	BLUE GRAMA	Sun/Pt. Shade	8-12" (1')	N/A										
Carex multivenensis	SAND BRACKETED SEDGE	Sun/Pt. Shade	1-2' (1.5')	N/A										
Coreopsis lanceolata	SAND COREOPSIS	Sun	1-3' (2')	Yellow										
Juncus demissa	PATH RUSH	Sun/Pt. Shade	12"	N/A										
Koeleria cristata	BLUE GRASS	Sun	1-2' (1.5')	N/A										
Opuntia humifusa	EASTERN PRICKLY PEAR	Sun	6-12" (8")	Yellow										
Penstemon digitalis	FOXGLOVE BEARD TONGUE	Sun	2.5-5' (3.5')	White										
Penstemon hirsutus	HAIRY BEARD TONGUE	Sun/Pt. Shade	1-3' (1.5')	Purple										
Penstemon parviflorus	PALE BEARD TONGUE	Sun	1-2' (1')	Cream										
Polemonis angustifolius	PRAIRIE CINCQUEFOIL	Sun	1-3' (2')	Yellow										
Rudbeckia hirta	BLACK-EYED SUSAN	Sun	2-3' (2.5')	Yellow										
Ruellia humilis	HAIRY RUPELLIA (L)	Sun	6-12" (9")	Purple										
Sedum ternatum	WILD STONECROP	Pt. Shade - Shade	6"	White										

Once established these plant species will thrive in media profiles of 4-5". Will require irrigation during extended periods of drought.



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PROJECT # 122.1182.30

**MENS HOMELESS SHELTER**  
1904 BARTILLON DR.  
MADISON, WI 53704

DATE OF ISSUE:	12/29/2022
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DESIGN DEVELOPMENT	8/18/2023
UDC	12/08/2023

REVISIONS:

NO.	DESCRIPTION
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<b>NOT FOR CONSTRUCTION</b>	

PROJECT # 22061

PLANTING PLAN

**L 201**



Luminaire Schedule				
Tag	Label	Luminaire Lumens	LLF	Luminaire Watts
GAA	DSX1 LED P1 40K 70CRI 6LC3	5522	0.900	50.9
GAB	DSX1 LED P1 40K 70CRI T3LG	6794	0.900	50.9
GSA	PA/R-NL4-12-310-4K7	891	0.900	22
GBB	PA/R-NL4-12-310-4K7	1063	0.900	22
GCC	DE-LED-TR-X100-FL-12439915-12	1129	0.900	12.7427
ORA	LPOC40-Dp-PClens-AsymRdWLP	158	0.900	2
OWA	WDSZ LED P33W 40K 80CRI VW	2074	0.900	15
OWB	DSX0 LED P1 40K 70CRI TFFM 1	4193	0.900	33
OWC	WDSZ LED P1 70CRI RFT 40K (1	7592	0.900	52
OWD	DSX0 LED P1 40K 70CRI TFFM	4896	0.900	33.21
OWE	LE-40601-S-W40 Rev. 2	155	0.900	13.5
OWF	WDSZ LED P3 40K 80CRI VW	3214	0.900	22.55

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Mn	Max/Mn
DRIVEWAY - TO EDGE	Illuminance	Fc	0.83	3.0	0.1	8.30	30.00
DUMPSTER ENCLOSURE	Illuminance	Fc	10.33	37.6	0.6	17.22	63.00
EQUIPMENT YARD	Illuminance	Fc	4.47	16.1	0.5	8.94	32.20
PARKING NORTH - TO EDGE	Illuminance	Fc	1.43	2.5	0.6	2.38	4.17
PARKING SOUTH - TO EDGE	Illuminance	Fc	0.84	1.1	0.6	1.40	1.83
PATIO FIRST FLOOR	Illuminance	Fc	5.24	12.0	1.5	3.49	8.00
PATIO SECOND FLOOR, Top 1	Illuminance	Fc	5.37	26.8	1.6	3.36	16.63
PROPERTY LINE	Illuminance	Fc	0.14	0.9	0.0	N/A	N/A
SIDEWALK BIKE PARKING	Illuminance	Fc	2.75	16.7	0.1	27.50	167.00
SIDEWALK NORTH	Illuminance	Fc	5.47	35.0	0.6	6.84	43.75
SIDEWALK PLAZA	Illuminance	Fc	3.55	39.7	0.0	N/A	N/A
SITE OVERALL 4 AFG	Illuminance	Fc	0.03	3.8	0.0	N/A	N/A
DRIVEWAY	Illuminance	Fc	0.95	2.4	0.3	3.17	8.00
PARKING NORTH	Illuminance	Fc	1.43	2.5	0.6	2.38	4.17
PARKING SOUTH	Illuminance	Fc	0.88	1.1	0.7	1.26	1.57
WAMP	Illuminance	Fc	19.11	26.3	0.0	N/A	N/A
STAIR	Illuminance	Fc	17.63	27.3	5.5	3.21	4.98



**CITY OF MADISON -  
DANE COUNTY -  
MEN'S HOMELESS  
SHELTER**

1904 BARTILLON DRIVE  
MADISON, WI

**100% CD REVIEW  
SET**

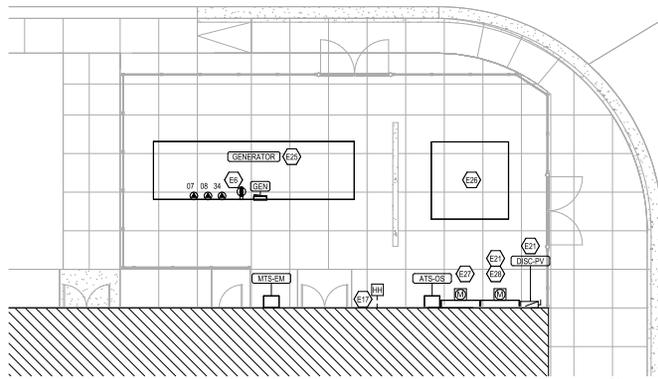
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**LIGHTING SITE  
SCHEDULES**

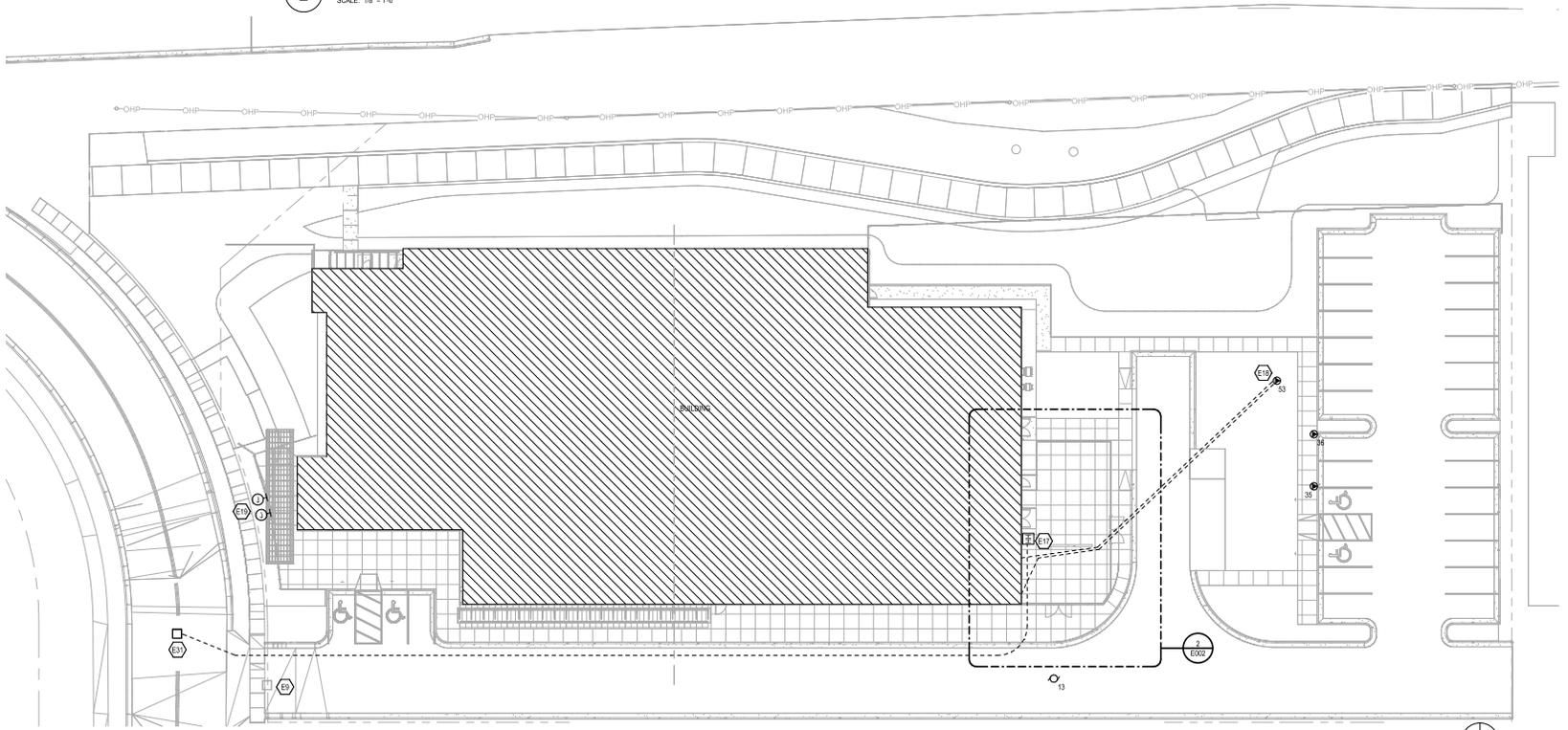
**EL002**



2 ENLARGED NORTH YARD SITE POWER PLAN  
SCALE: 1/8" = 1'-0"

SITE POWER LEGEND	
	DUPLEX RECEPTACLE
	GFI DUPLEX RECEPTACLE
	SPECIAL PURPOSE OUTLET
	WALL MOUNTED JUNCTION BOX
	TRANSOCKET
	METER
	SURFACE MOUNT PANEL
	RECESSED PANEL
	NON-FUSED DISCONNECT
	FUSED DISCONNECT
	MOTOR
	SPECIAL PURPOSE OUTLET NUMBER (SEE SCHEDULE)
	MOTOR NUMBER (SEE SCHEDULE)

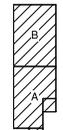
KEY NOTES	
E8	RECEPTACLE SHALL BE LOCATED INSIDE GENERATOR ENCLOSURE
E9	COORDINATE WITH UTILITY TO HAVE EXISTING SERVICE TRANSFORMER RELOCATED
E17	RUN 3" C INTO DEMARK ROOM
E18	PROVIDE A 1" CONDUIT FOR PV CABLES GOING TO THE COMBENER PANEL AND A 3/4" CONDUIT TO PANEL AIR FOR A RECEPTACLE AND POSSIBLE LIGHTING. MARK END OF CONDUIT WITH ROU PIPE
E19	ILLUMINATED SIGNAGE TO BE CONTROLLED BY LIGHTING CONTROL SYSTEM
E21	PV SYSTEM AND RELATED EQUIPMENT IS ALTERNATE BID ITEM 1
E22	GENERATOR PAD SHALL BE A MINIMUM OF 6' AFD
E20	PROPOSED LOCATION OF UTILITY SERVICE TRANSFORMER
E27	PROPOSED LOCATION OF METER TRANSOCKET
E28	PROPOSED LOCATION OF UTILITY METER FOR PV SYSTEM
E31	REFER TO CIVIL PLANS FOR LOCATION OF FIBER BOX



1 ELECTRICAL SITE POWER PLAN  
SCALE: 1" = 20'-0"

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CITY OF MADISON - DANE COUNTY - MEN'S HOMELESS SHELTER  
1904 BARTILLON DRIVE  
MADISON, WI



100% CD REVIEW SET

DATE OF ISSUE: 12/01/23

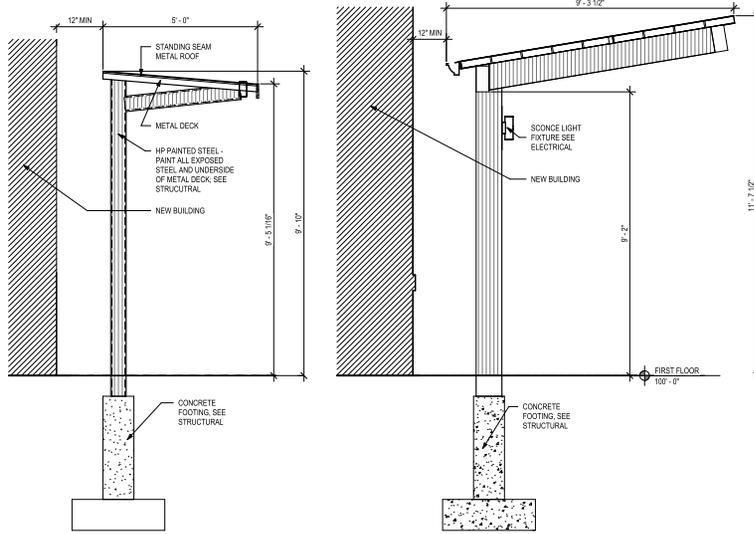
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PROJECT # 22061

ELECTRICAL SITE PLAN

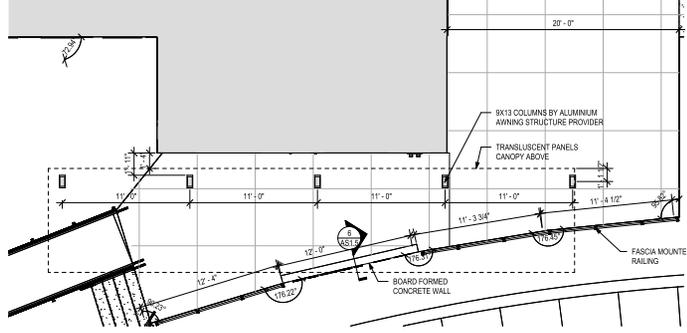
**EP001**



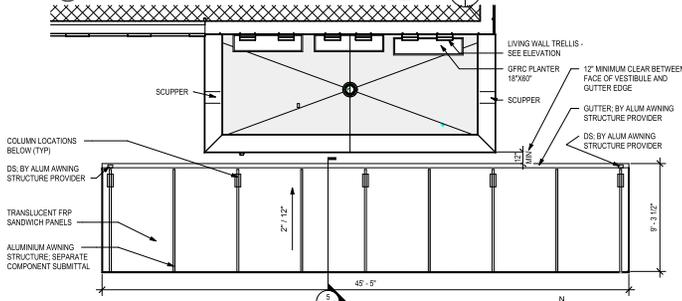


6 BIKE RACK CANOPY SECTION  
1/2" = 1'-0"

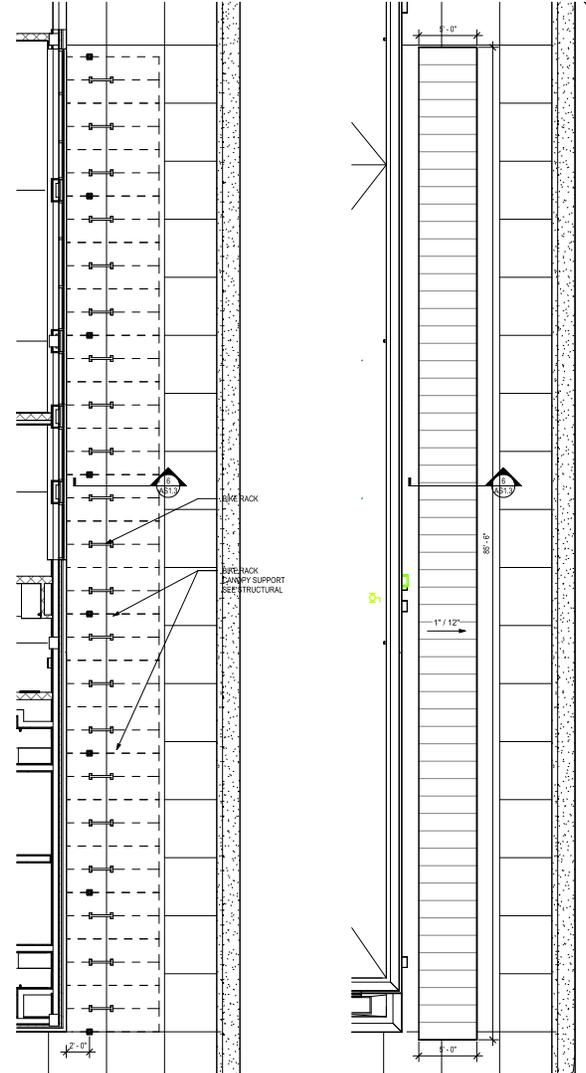
5 ENTRY CANOPY SECTION  
1/2" = 1'-0"



4 ENTRY CANOPY FLOOR PLAN  
3/16" = 1'-0"



3 ENTRY CANOPY ROOF PLAN  
3/16" = 1'-0"



2 FIRST FLOOR PLAN  
3/16" = 1'-0"

1 ROOF PLAN  
3/16" = 1'-0"



**CITY OF MADISON -  
DANE COUNTY -  
MEN'S HOMELESS  
SHELTER**  
1904 BARTILLON DRIVE,  
MADISON, WI

**UDC FINAL  
APPROVAL**

DATE OF ISSUE: 12/11/2023

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

PROJECT # 22061

**ARCH SITE PLAN -  
ENTRY CANOPY &  
SITE COMPONENTS**

**AS1.3**



**CITY OF MADISON -  
DANE COUNTY -  
MEN'S HOMELESS  
SHELTER**  
1904 BARTILLON DRIVE,  
MADISON, WI

**UDC FINAL  
APPROVAL**

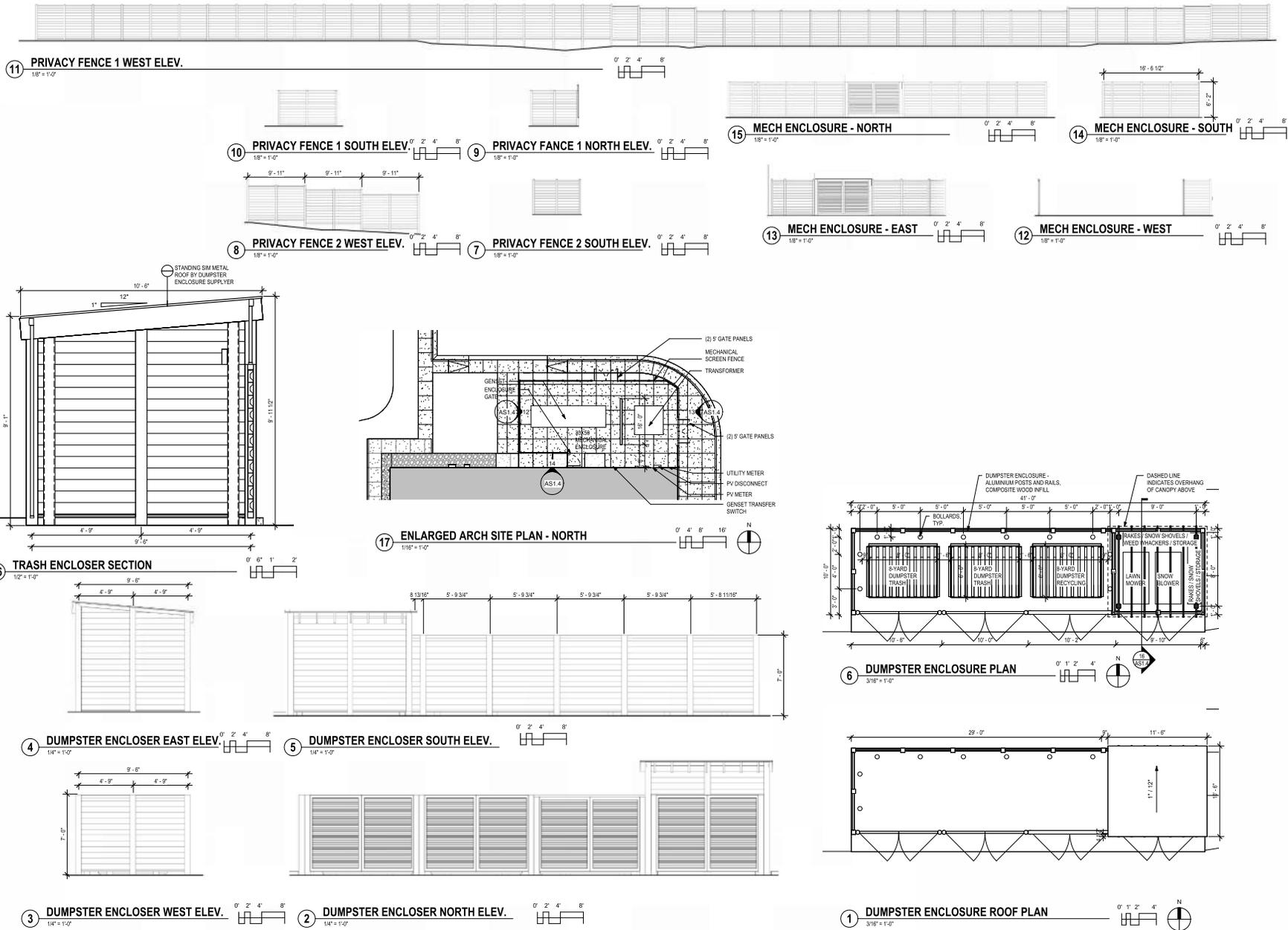
DATE OF ISSUE: 12/11/2023

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

PROJECT # 22061

**ARCH SITE PLAN -  
SITE COMPONENTS**

**AS1.4**



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**CITY OF MADISON -  
DANE COUNTY -  
MEN'S HOMELESS  
SHELTER**  
1904 BARTILLON DRIVE,  
MADISON, WI

**UDC FINAL  
APPROVAL**

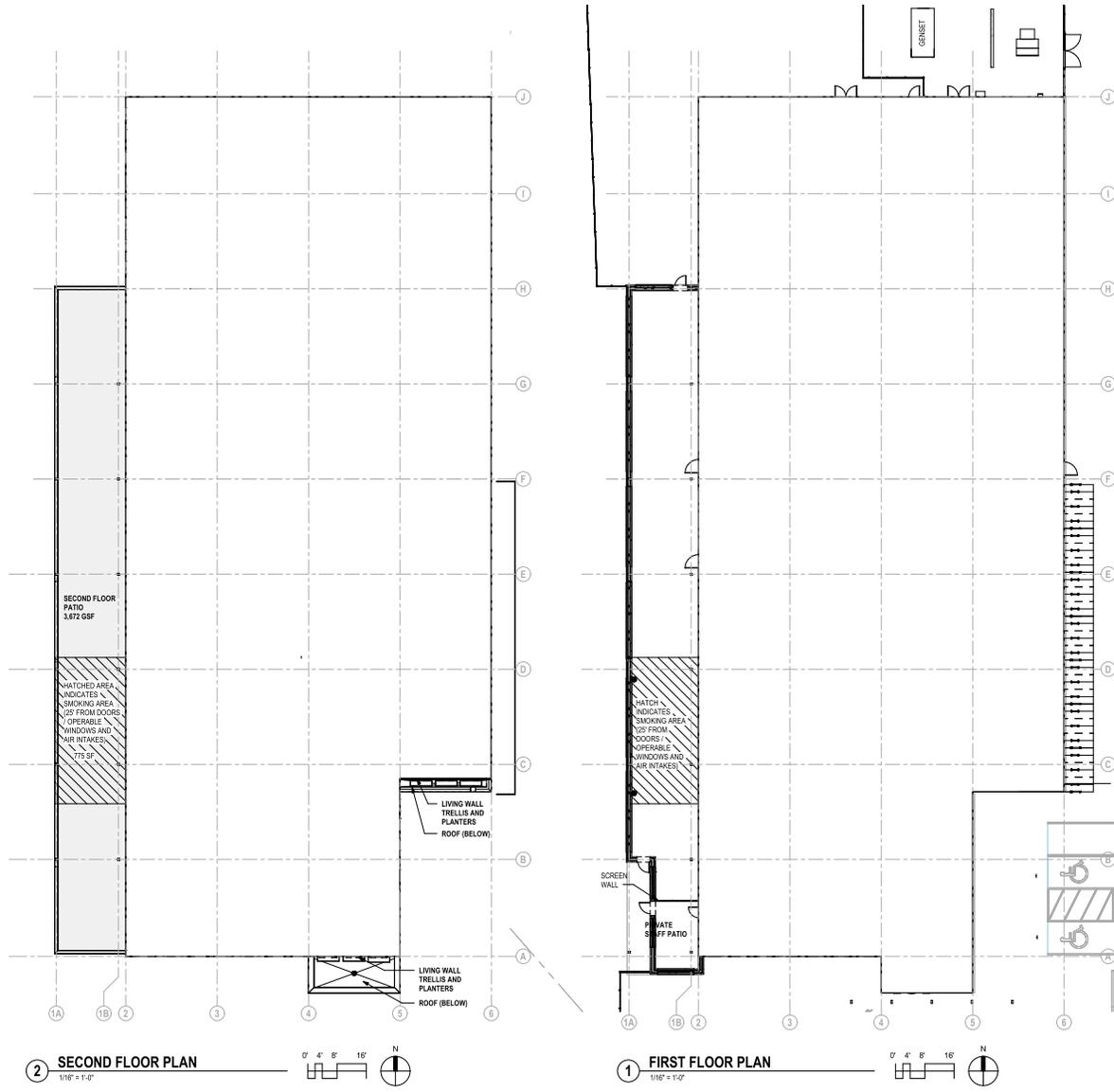
DATE OF ISSUE: 12/11/2023

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PROJECT # 22061

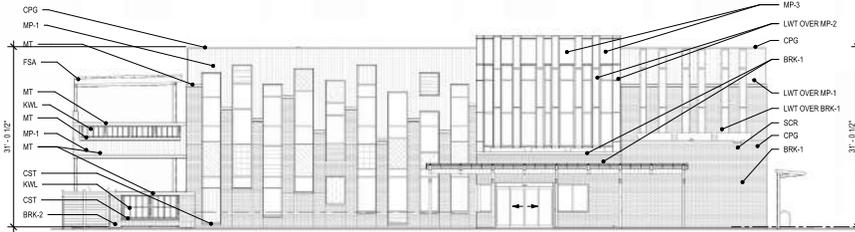
**PROPOSED  
BUILDING PLAN**

**A1**

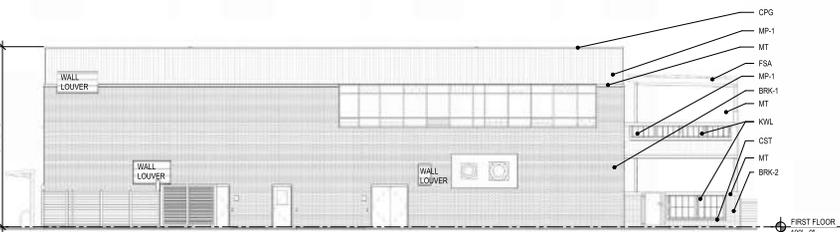


**2 SECOND FLOOR PLAN**  
1/16" = 1'-0"

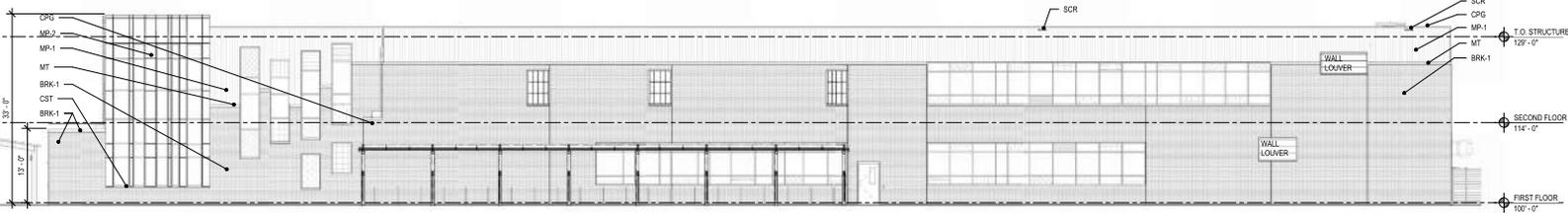
**1 FIRST FLOOR PLAN**  
1/16" = 1'-0"



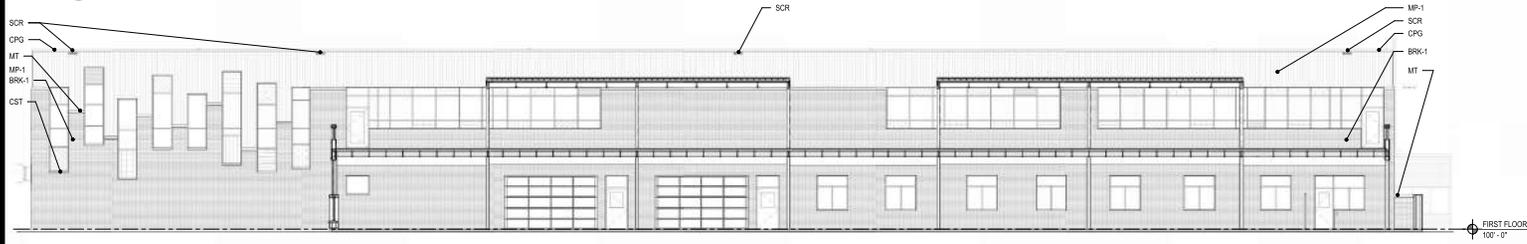
5 SOUTH ELEVATION  
332' x 1'-0"



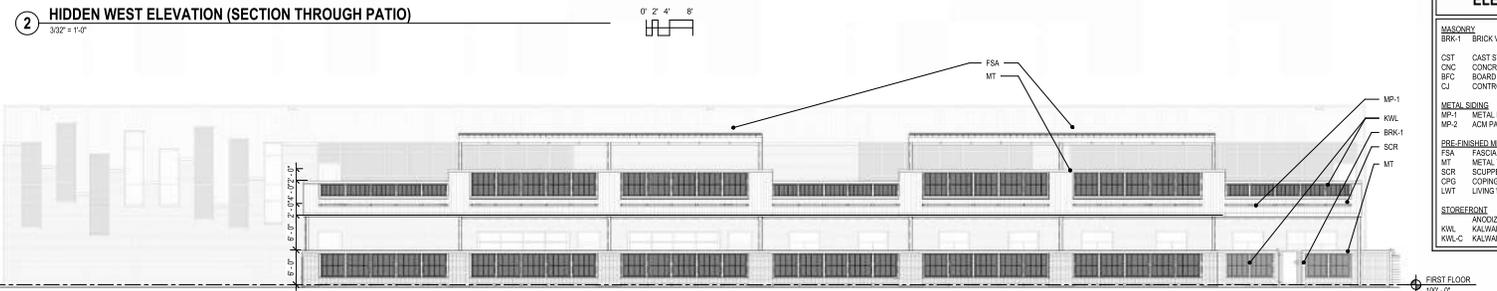
4 NORTH ELEVATION  
332' x 1'-0"



3 EAST ELEVATION  
332' x 1'-0"



2 HIDDEN WEST ELEVATION (SECTION THROUGH PATIO)  
332' x 1'-0"



1 WEST ELEVATION  
332' x 1'-0"

ELEVATION LEGEND & NOTES	
<b>MASONRY</b>	<b>COLOR - MORTAR</b>
BRK-1 BRICK VENEER	DARK IRONSPOT SMOOTH
CST CAST STONE	LIGHT FRENCH-ROAST MORTAR
CNC CONCRETE	LIGHT GUNPOWDER
BFC BOARD FORMED CONCRETE	
CJ CONTROL JOINT	
<b>METAL SIDING</b>	<b>COLOR</b>
MP-1 METAL PANEL	WOOD LOOK - FAWN
MP-2 ACM PANEL	METALLIC SILVER
<b>PRE-FINISHED METAL</b>	<b>COLOR</b>
FSA FASCIA	DARK BRONZE
MT METAL TRIM	MATCH MP-1
SCR SCUPPER	DARK BRONZE
CPG COPING	DARK BRONZE
LWT LIVING WALL TRELLIS	HARTFORD GREEN
<b>STOBERGRIIT</b>	<b>COLOR</b>
ANODIZED ALUMINUM	CLEAR
KWL KALWALL	DARK BRONZE (FRAME)
KWL-C KALWALL CANDOPY	HARTFORD GREEN (FRAME)



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**EXTERIOR  
ELEVATIONS**

**A2**



**CITY OF MADISON -  
 DANE COUNTY -  
 MEN'S HOMELESS  
 SHELTER**  
 1904 BARTILLON DRIVE,  
 MADISON, WI

**UDC FINAL  
 APPROVAL**

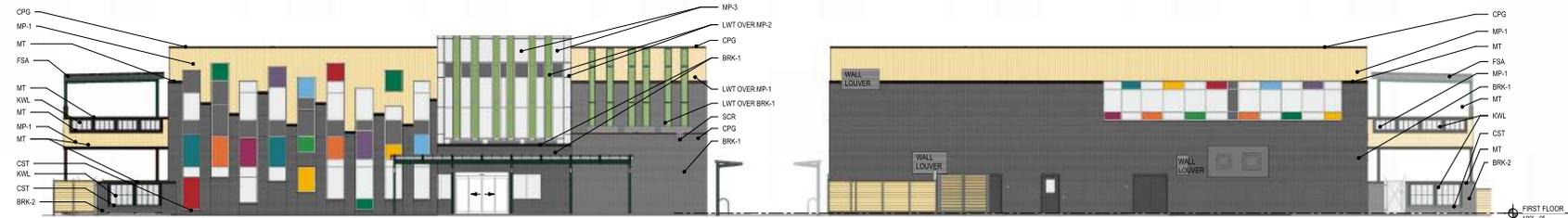
DATE OF ISSUE: 12/11/2023

**PRELIMINARY  
 NOT FOR  
 CONSTRUCTION**

PROJECT # 22061

**EXTERIOR  
 ELEVATIONS -  
 COLOR**

**A2C**



**5 SOUTH ELEVATION**  
 332' x 14'

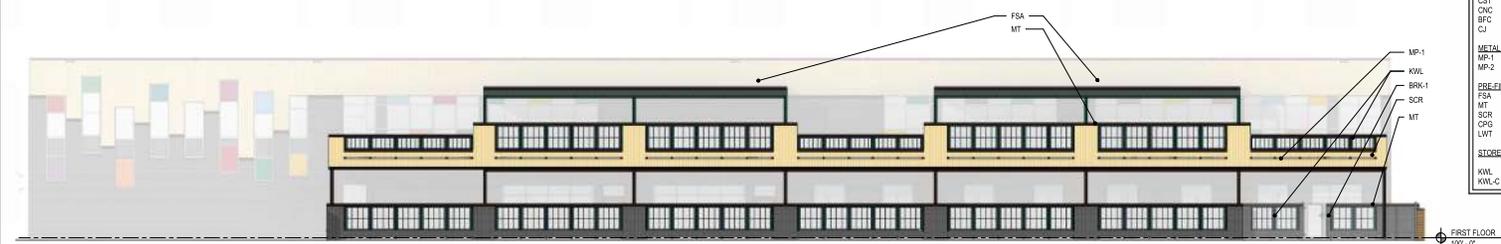
**4 NORTH ELEVATION**  
 332' x 14'



**3 EAST ELEVATION**  
 332' x 14'



**2 HIDDEN WEST ELEVATION**  
 332' x 14'



**1 WEST ELEVATION**  
 332' x 14'

ELEVATION LEGEND & NOTES	
MASONRY	COLOR: ANTIKAR
BRK-1 BRICK VENEER	DARK FRENCH ROAST SMOOTH
CST CAST STONE	LIGHT FRENCH ROAST MORTAR
CNC CONCRETE	LIGHT GUNPOWDER
BFC BOARD FORMED CONCRETE	
CJ CONTROL JOINT	
METAL SIDING	COLOR
MP-1 METAL PANEL	WOOD LOOK - FAWN
MP-2 ACM PANEL	METALLIC SILVER
PRE-FINISHED METAL	COLOR
FSA FASCIA	DARK BRONZE
MT METAL TRIM	MATCH MP-1
SCR SCUPPER	DARK BRONZE
CPG COPING	DARK BRONZE
LWT LIVING WALL TRELLIS	HARTFORD GREEN
STOREFRONT	COLOR
KWL ANODIZED ALUMINUM	CLEAR
KWL-C KALWALL CANOPY	DARK BRONZE (FRAME)
	HARTFORD GREEN (FRAME)

12/11/2023 10:58 AM  
 A:\Projects\2023\13346 - Men's Homeless Shelter\0301 - Exterior Elevations\0301 - Exterior Elevations - Color.rvt





VIEW FROM BARTILLON

**DIMENSION IV**  
Madison Design Group

architecture · interior design · planning

6515 Grand Teton Plaza, Suite 120  
Madison, Wisconsin 53719

608.829.4444 608.829.4445 dimensionivmadison.com



**CITY OF MADISON -  
DANE COUNTY -  
MEN'S HOMELESS  
SHELTER**  
1904 BARTILLON DRIVE,  
MADISON, WI

**UDC FINAL  
APPROVAL**

DATE OF ISSUE: 12/11/2023

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

PROJECT # 22061

**PROPOSED  
BUILDING MASSING  
3D**

**A5**

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**DIMENSION IV**  
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architecture · interior design · planning

6515 Grand Teton Plaza, Suite 120  
Madison, Wisconsin 53719

608.829.4444 608.829.4445 dimensionivmadison.com



**CITY OF MADISON -  
DANE COUNTY -  
MEN'S HOMELESS  
SHELTER**

1904 BARTILLON DRIVE,  
MADISON, WI

**UDC FINAL  
APPROVAL**

DATE OF ISSUE: 12/11/2023

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

PROJECT # 22081

**PROPOSED  
BUILDING MASSING  
3D**

**A6**

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CITY OF MADISON -  
DANE COUNTY -  
MEN'S HOMELESS  
SHELTER  
1904 BARTILLON DRIVE,  
MADISON, WI

**UDC FINAL  
APPROVAL**

DATE OF ISSUE: 12/11/2023

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

PROJECT # 22061

**PROPOSED  
BUILDING MASSING  
3D**

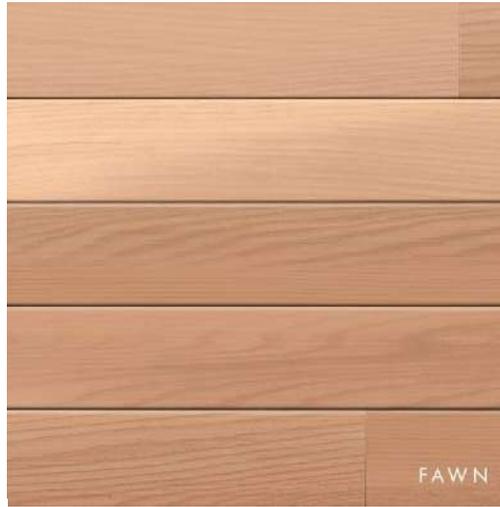
**A7**



VIEW FROM STOUGHTON



BRICK - RAVENSWOOD IRONSPOT SMOOTH  
LOWER WALLS



LUX METAL PANEL - FAWN  
UPPER WALLS, UPPER PATIO, FENCE



ACM PANEL - SILVER METALIC  
WALLS AT ENTRY



KALWALL TRANSLUCENT PANEL  
PATIOS AND SELECT WINDOWS



HARTFORD GREEN  
ENTRY CANOPY, CANOPY  
STRUCTURES



STOREFRONT - KAWNEER 541UT  
ANODIZED ALUMINUM



CAST STONE - LIGHT GUNPOWDER  
STOREFRONT SILLS



DARK BRONZE  
TRIM, NON-CANOPY  
STRUCTURE



CARDINAL GLASS LAMINATED GLASS  
GLAZING INFILL COLORS - AS NOTED ABOVE

**FENCES, GATES, TRASH ENCLOSURES, SCREENING LOCATIONS AND TYPES**

CITY CONTRACT # 9358  
CITY PROJECT # 13346



**CITY OF MADISON -  
DANE COUNTY -  
MEN'S HOMELESS  
SHELTER**  
1904 BARTILLON DRIVE,  
MADISON, WI

**UDC FINAL  
APPROVAL**

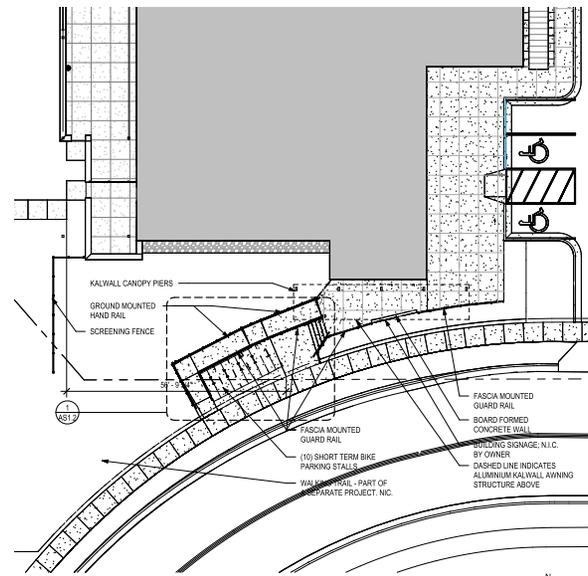
DATE OF ISSUE: 12/11/2023

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

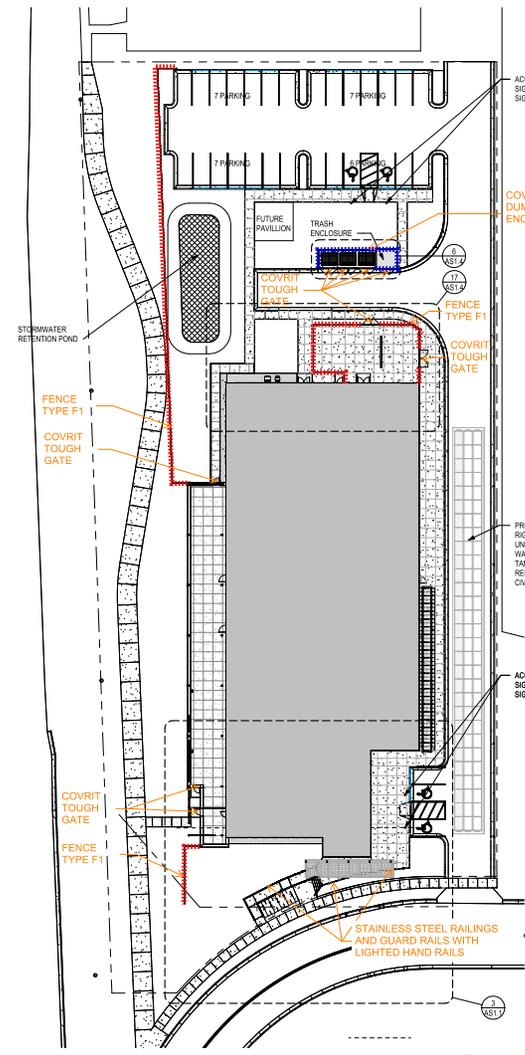
PROJECT # 22061

**ARCH SITE PLAN**

**AS1.1**



**3 ENLARGED ARCH SITE PLAN - SOUTH**  
1/16" = 1'-0"



**1 ARCH SITE PLAN**  
1/32" = 1'-0"

# covrit<sup>®</sup>

SCREENING SYSTEMS



CityScapes<sup>®</sup>  
ARCHITECTURAL INNOVATIONS



Pepper Construction HQ  
Dublin, OH

# COVRIT®

## COVER ALL YOUR BASES

For any enclosure needs, Covrit® has your back, front, and sides. Covrit walls, gates, and dumpster enclosures redefine any space and are the go-to solution for hiding, protecting, or partitioning anything on your property.



### HIGH-QUALITY CONSTRUCTION

Professional grade extruded aluminum frames with powder-coated finishes

### TAILORED DIMENSIONS

Crafting Distinctive Spaces with Both Standard and Customized Designs

### STREAMLINED INSTALLATION

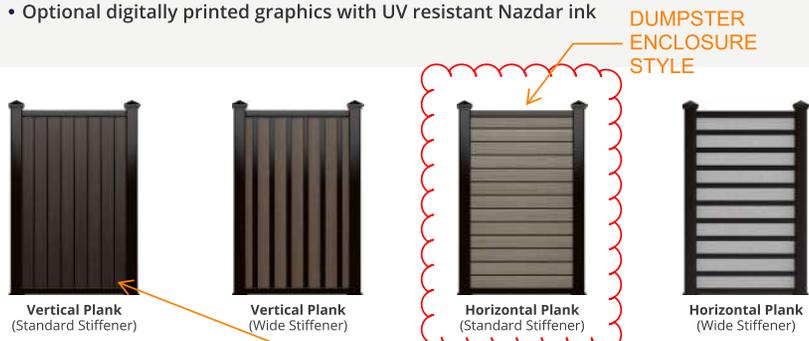
Directly mounting to concrete slabs without the need for footings

### TOUGHGATE™ INTEGRATION

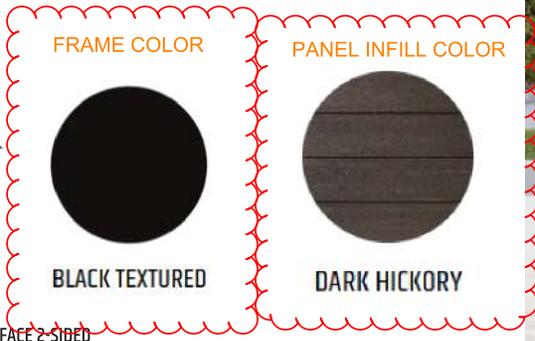
ToughGate™ doors & gates used on every Covrit® enclosure

# ENGINEERED WOOD INFILLS

- Frames are 6063 T6 extruded aluminum
- Woodgrain surface planks are 1" thick 100% cellular PVC or composite LLDPE
- 1/2" or 2 1/2" Extruded Aluminum Stiffeners
- Sherwin Williams 4000 Series Powder-Coated Components
- Optional digitally printed graphics with UV resistant Nazdar ink



THIS IMAGE SHOWS THE COLOR COMBINATION WITH THE PLANKS IN THE INCORRECT ORIENTATION



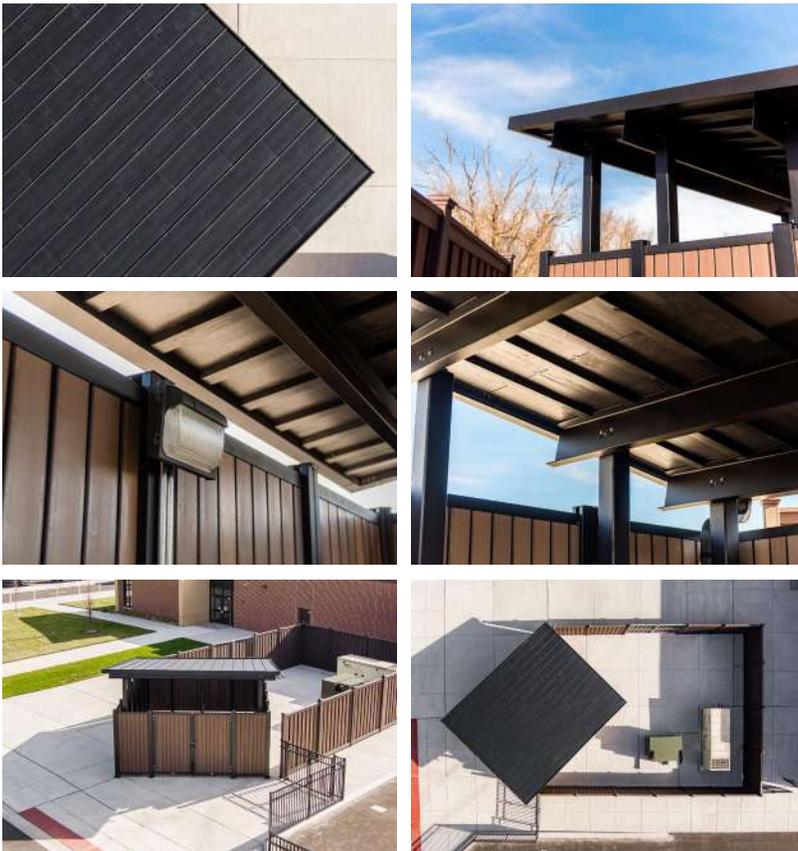
## COLOR OPTIONS



Robbers Cave State Park  
Wilburton, OK

# ROOFTOP SOLUTIONS

Covrit® Roof Tops are engineered to excel in any weather. Its innovative design seamlessly allows rain, snow, and wind to pass through, ensuring the integrity of your rooftop and access to your dumpster enclosures. Crafted from robust ABS and extruded aluminum, it withstands the harshest weather elements while maintaining its visual allure.



Westbrook School  
Glenview, IL

# ELEGANT. DURABLE. DISTINCTIVE.



ToughGate™ by CityScapes® offers expertly crafted gates and doors built to your specifications, budget and job site demands. We use only professional grade materials for years of maintenance free operation.

For stunning good looks, amazing longevity, and extraordinary first impressions, choose ToughGate™.

- MAINTENANCE FREE MATERIALS
- SHIPPED PRE-ASSEMBLED FOR FAST INSTALLATION
- WIDE VARIETY OF DESIGN OPTIONS



## **ToughGate™**

ToughGate's™ innovative design makes field assembly fast and easy. All of our gates are shipped pre-assembled directly to your project site, accompanied by all required installation hardware. Our complete installation guides provide a clearly-defined process from start to finish.

Gates are available in heights of up to 14 ft\* and widths of up to 20 ft\*\* to accommodate almost any opening dimension.

\* Maximum height determined by infill material and style selected.  
\*\* Contact a CityScapes® representative for details on our newest MegaGate options. Certain Height x Width limitations apply.



## DOOR HANDLES

All ToughGate™ and Covrit® handles and hardware are powder coated and color-matched to the coordinating gate frame for superior aesthetics.



Bridge



Modern



Classic

## MODERN LATCH

Our color matched, lockable latches are designed for years of maintenance free use.



Modern

## CUSTOM DESIGNS

Don't see a style or color that fits our plan? No problem. We can color match many of our gate options or allow you to create a fully custom design. Print your image directly onto the gate or laser cut an intricate design into your gate. Have another idea? Let us know. We love a challenge.

**PVC PLANK INFILL SERIES**



**1-INCH PVC PLANK INFILL COLOR OPTIONS**

**Textured Woodgrain Surface On One Side Only**



**Textured Woodgrain Surface On Both Sides**



**ENGINEERED WOOD INFILL SERIES SPECS**

- Woodgrain surface 2 sided planks are 1" thick 100% cellular PVC
- Woodgrain surface 1 sided planks are 1" thick composite LLDPE

**MILLED PVC INFILL SERIES**

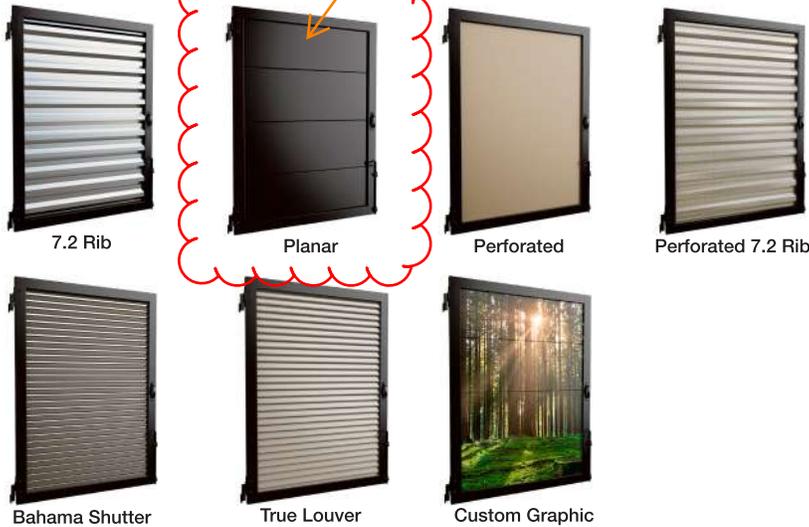


**ALL GATES**  
 - DUMPSTER ENCLOSURE GATES  
 - WEST PATIO FIRST FLOOR EGRESS GATES  
 - MECHANICAL ENCLOSURE GATES

**ACRYLICAP® ABS INFILL SERIES SPECS**

- Acrylicap® uses a thermoformed .187 acrylic-capped ABS for UV protection

**METAL INFILL SERIES**



**METAL SERIES SPECS**

- Structural material thickness varies depending on infill choice
- Typical 7.2 Rib Metal Panels - .040", .050" Precoated aluminum
- Typical Perforated Metal Panels - .063" Aluminum, 1/8" holes, 1/4" staggered centers, 23% open area

For current color availability for metal wall styles, contact a CityScapes® representative.

**SLAT WALL INFILL SERIES**



**SLAT SERIES SPECS**

- Powder coated aluminum slats
- 1"x 4" - .080" Wall thickness
- 1"x 6" - .100" Wall thickness
- 6063 T6 Aluminum
- 4000 Series powder coated

For current color availability for slat wall styles, contact a CityScapes® representative.

## CRADLE HINGE OPTIONS - New and Retrofitted Installations

Choose from our fully adjustable hinge options. We recommend installation using our hold-open pipe hinge which offers a convenient and enhanced safety feature to “hold open” your gate; reducing injuries as well as damage to your property. Alternative hinge options to retrofit to your existing post or wall are shown below.

### HOLD-OPEN PIPE HINGE

- Pre-welded steel construction
- Laser-cut rings nest and work together to provide a 100° hold-open gate position. Gate will automatically close prior to 100°.
- Adjustment slot in cradle to help level door on pipe.
- Grease fitting included
- Powder coated to match frame



AT TRASH ENCLOSURE GATES AND MECHANICAL ENCLOSURE GATES

### ADJUSTABLE PIPE HINGE

- Pre-welded steel construction
- Adjustment slot in cradle to help level door on pipe.
- Grease fittings included
- Powder coated to match frame

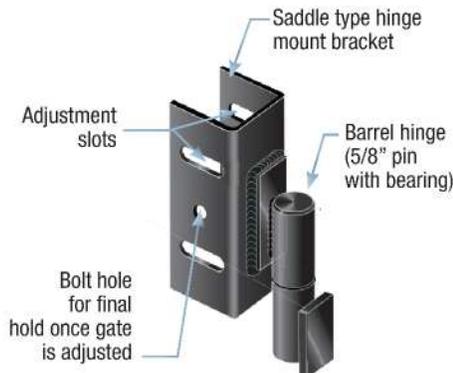


AT WEST PATIO FIRST FLOOR GATES. PANIC BAR EGRESS HARDWARE (NOT SHOWN)

### BARREL HINGE

(retrofit for square post or wall mount)

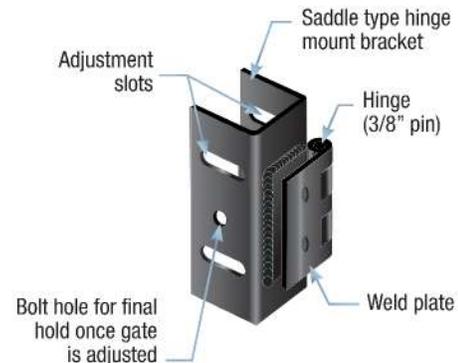
- Set bolts in post included for setting gate height off grade.
- Pre-welded steel gate frame saddle to barrel hinge. Barrel hinge leaf side requires field welding to structure or can be made to bolt onto structure after engineering review.
- Powder coated to match gate frame
- Steel or Aluminum construction available (Material used is determined by weight)



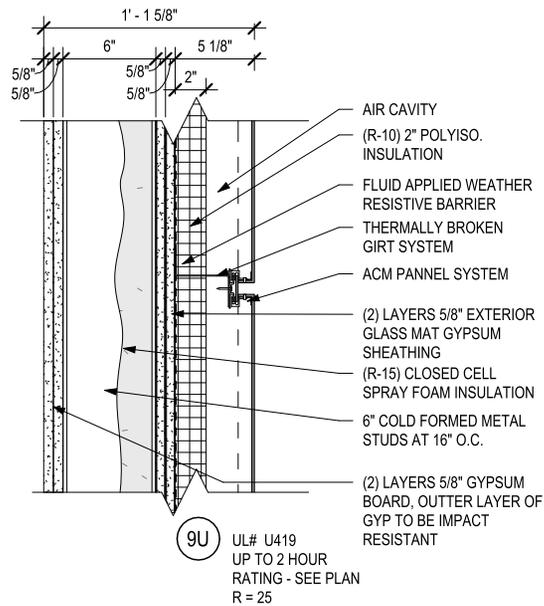
### PLATE HINGE

(retrofit for square post or wall mount)

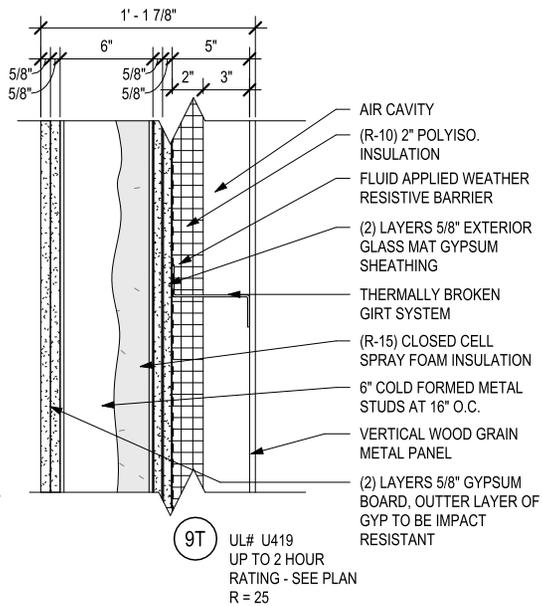
- Set bolts in post included for setting gate height off grade.
- Pre-welded steel gate frame saddle to barrel hinge. Barrel hinge leaf side requires field welding to structure or can be made to bolt onto structure after engineering review.
- Powder coated to match gate frame
- Steel or Aluminum construction available (Material used is determined by weight)



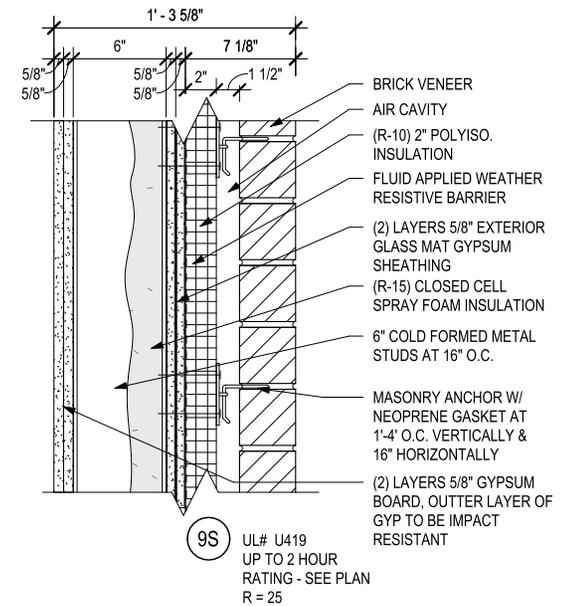
# MATERIAL TRANSITIONS WALL ASSEMBLIES



ACM WALL TYPE

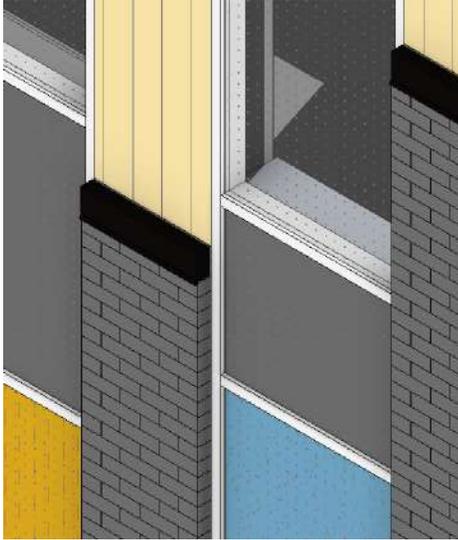


WOOD LOOK VERTICAL  
METAL PANEL WALL TYPE

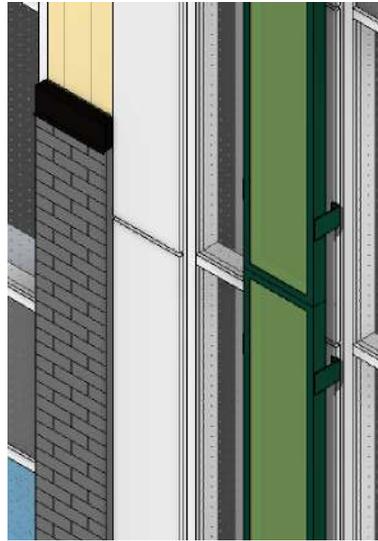


MASONRY VENEER  
WALL TYPE

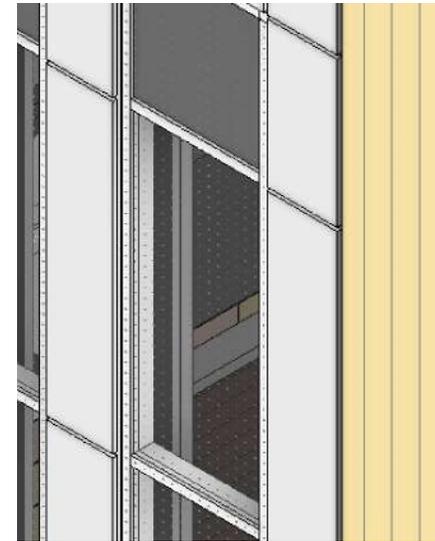
## MATERIAL TRANSITIONS 3D VIEWS



MASONRY TO VERTICAL  
METAL PANEL, TRANSITION  
AT STOREFRONT GLAZING

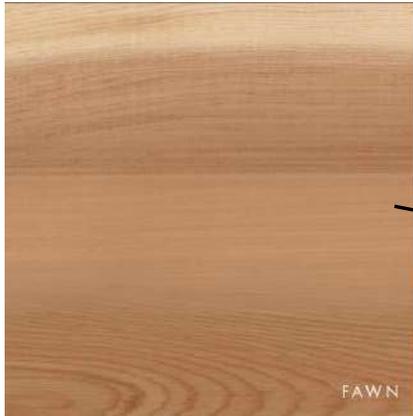


MASONRY TO VERTICAL  
METAL PANEL TO ACM AT  
STOREFRONT AND LIVING  
WALL TRELLIS

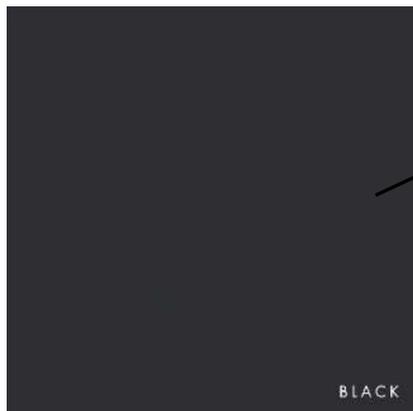


ACM TO VERTICAL METAL  
PANEL AT STOREFRONT

INFILL MATERIAL  
LUX FAWN (MATCHES VERTICAL  
METAL PANELS AT BUILDING)



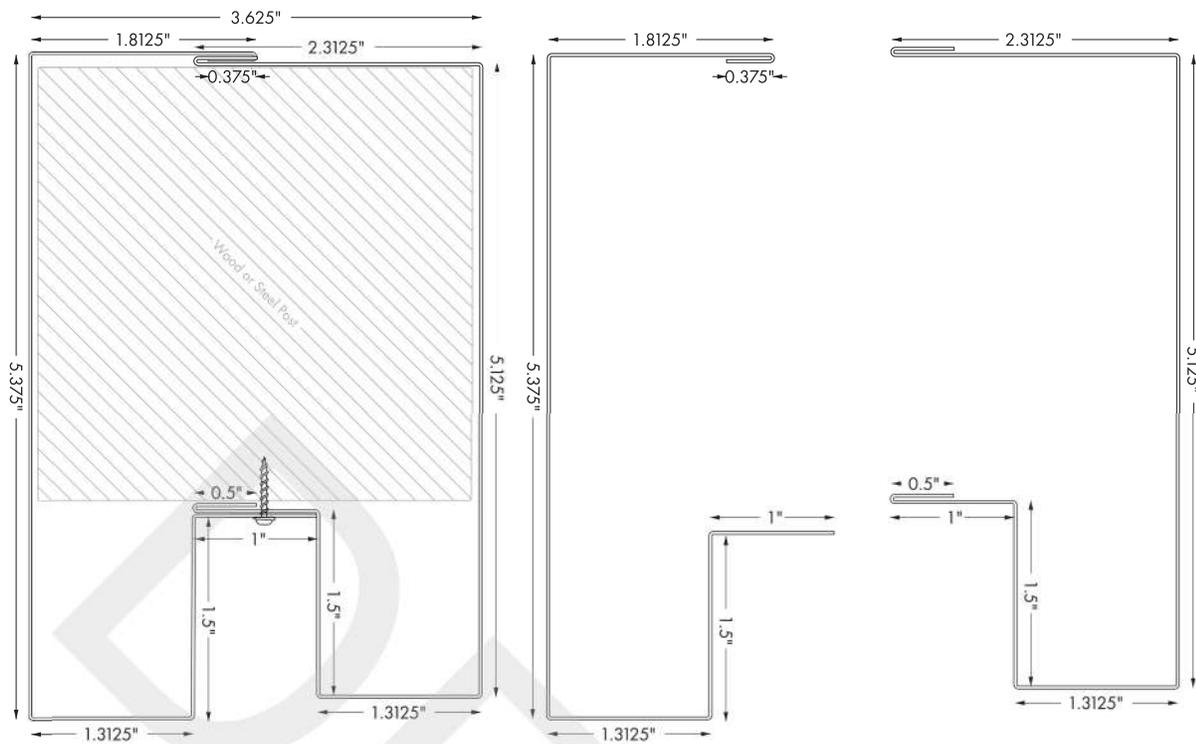
POSTS AND RAILS  
LUX



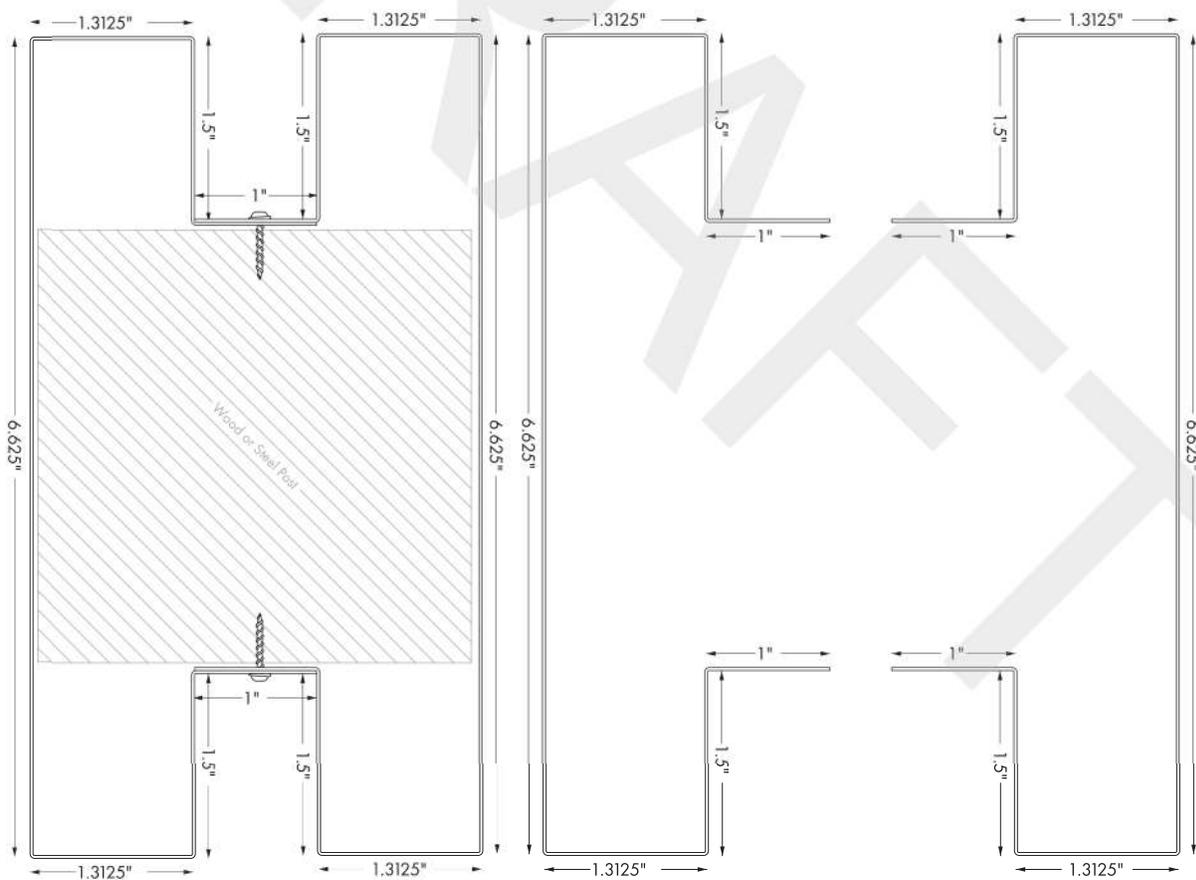
SITE FENCE TYPE F1  
MATERIALS



**END POST**  
AVAILABLE IN 10' OR 13' LENGTHS



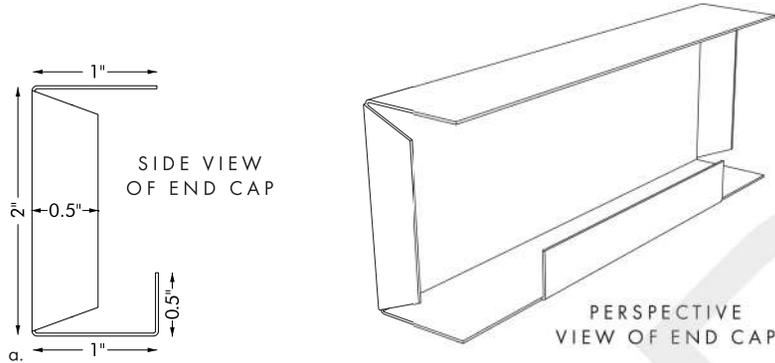
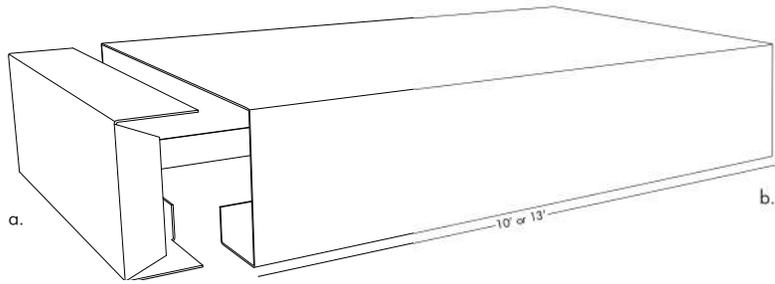
**MIDDLE POST**  
AVAILABLE IN 10' OR 13' LENGTHS



 <b>WARM</b> <b>TIMELESS</b> <b>DURABLE</b> luxpanel.ca	<b>PROJECT:</b> LUX Fence	<b>DESCRIPTION:</b> Privacy Fence, Version 1	<b>PAGE:</b>  <b>1 / 5</b>
	<b>DRAWING:</b> Concept	<b>DATE:</b> March 27, 2018	

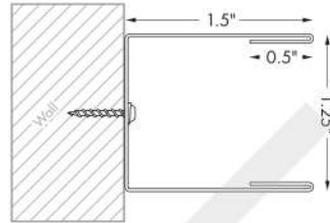
## DECORATIVE TOP CAP

AVAILABLE IN 10' OR 13' LENGTHS



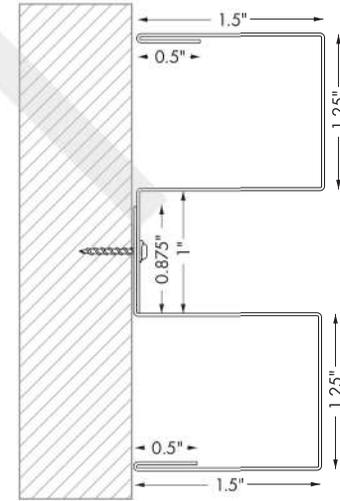
## SIMPLE WALL MOUNT

AVAILABLE IN 10' OR 13' LENGTHS



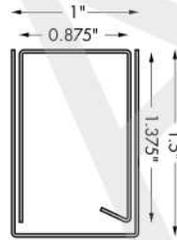
## DELUXE WALL MOUNT

AVAILABLE IN 10' OR 13' LENGTHS



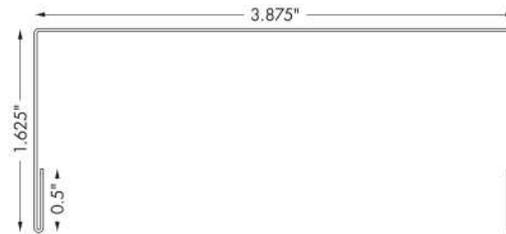
## SPACER TRIM

AVAILABLE IN 10' LENGTHS ONLY



## SMALL TOP CAP

AVAILABLE IN 10' OR 13' LENGTHS



PAGE:

2 / 5

DESCRIPTION:  
Privacy Fence, Version 1

DATE:  
March 27, 2018

PROJECT:  
LUX Fence

DRAWING:  
Concept

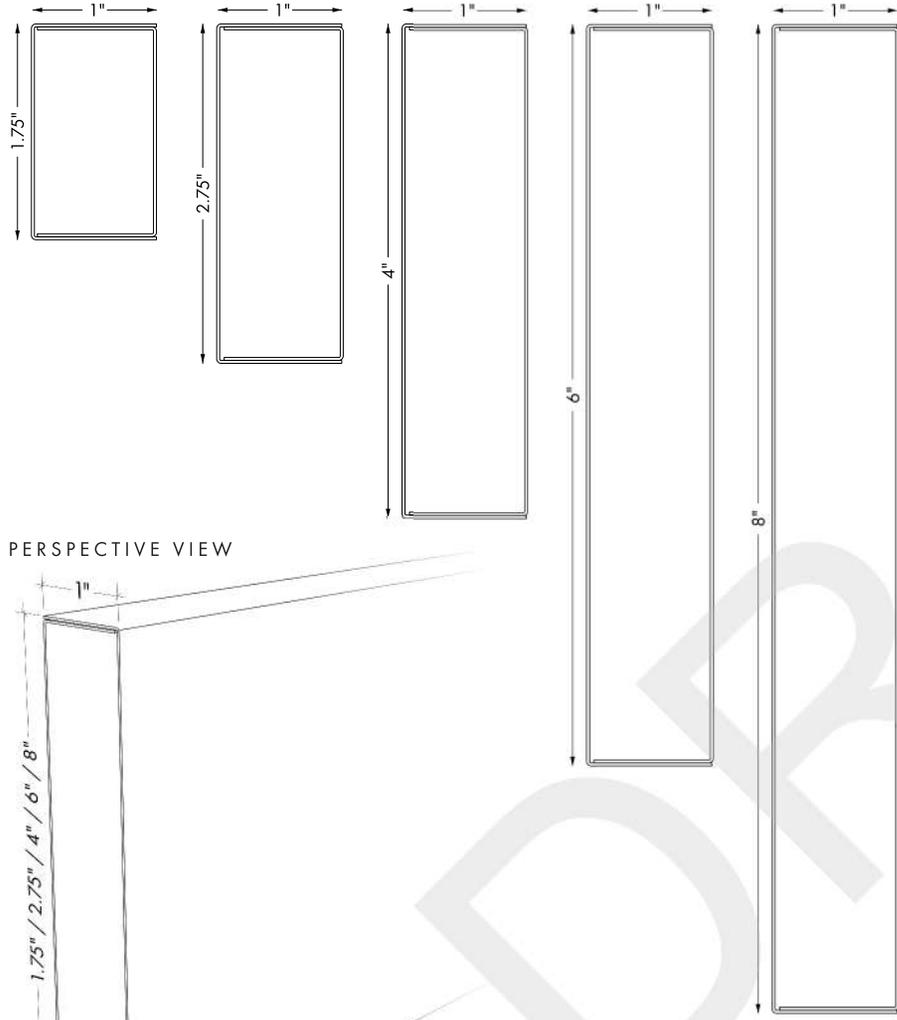
**LUX**  
ARCHITECTURAL PANEL

WARM  
TIMELESS  
DURABLE  
luxpanel.ca

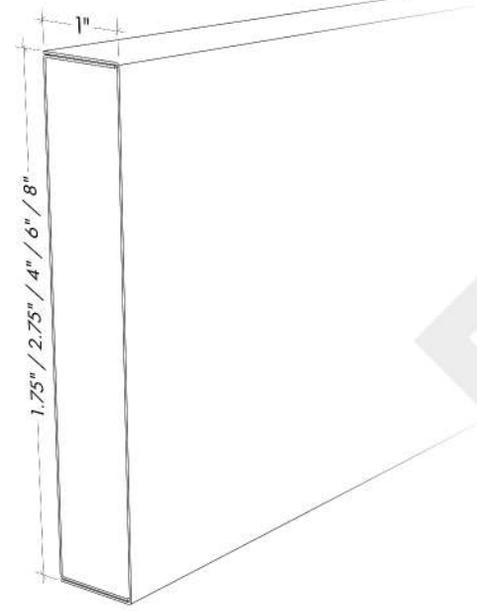
# FENCE BOARDS

AVAILABLE IN 10' OR 13' LENGTHS

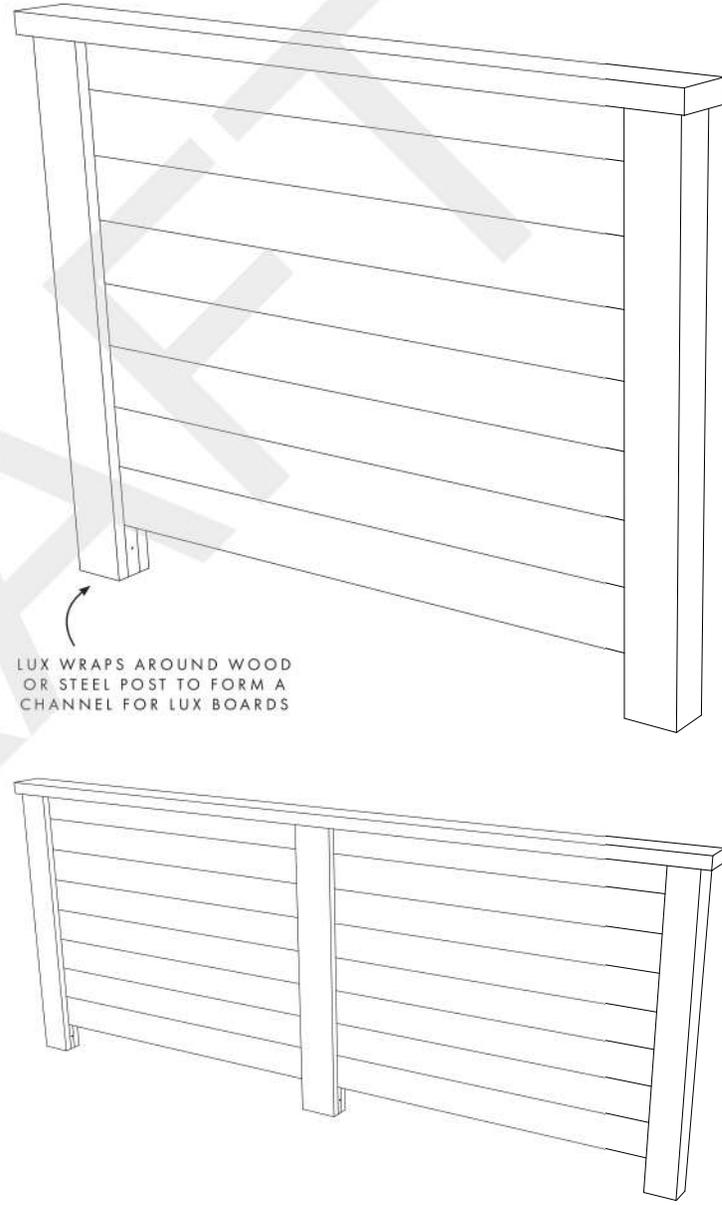
## SIDE VIEW



## PERSPECTIVE VIEW



# FINAL PRODUCT



PAGE:

3 / 5

DESCRIPTION:

Privacy Fence, Version 1

PROJECT:

LUX Fence

DATE:

March 27, 2018

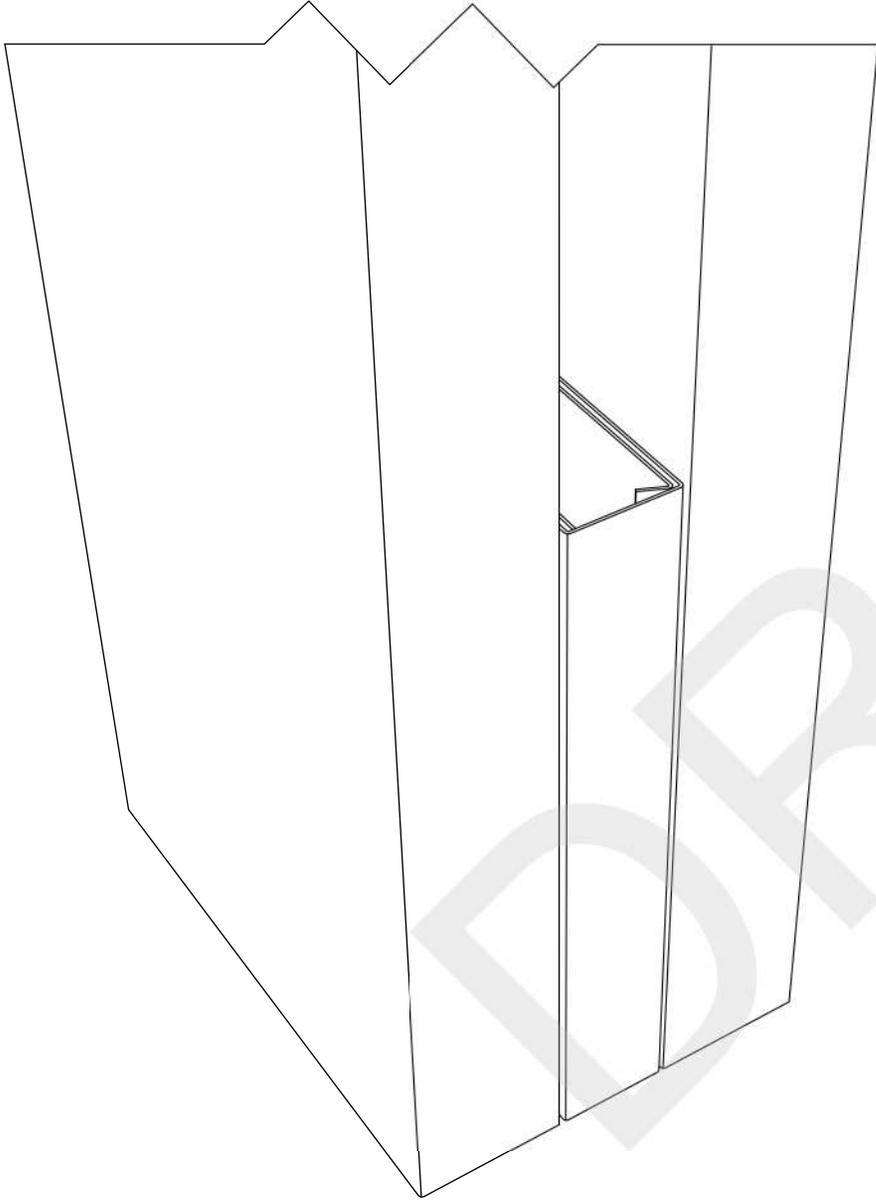
DRAWING:

Concept

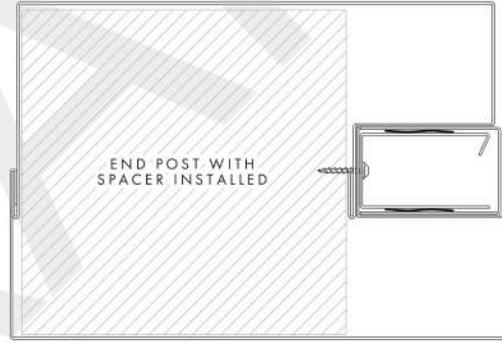
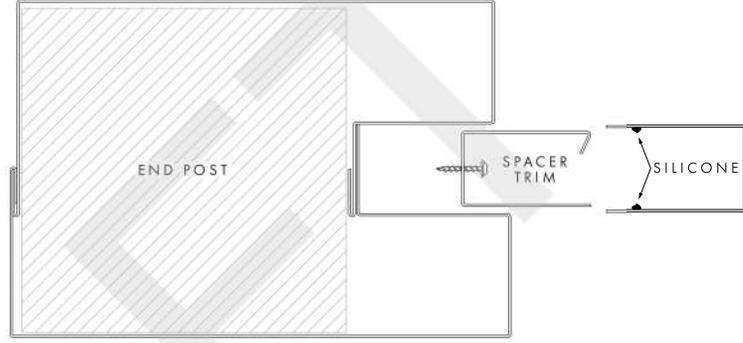
**LUX**  
ARCHITECTURAL PANEL

WARM  
TIMELESS  
DURABLE  
luxpanel.ca

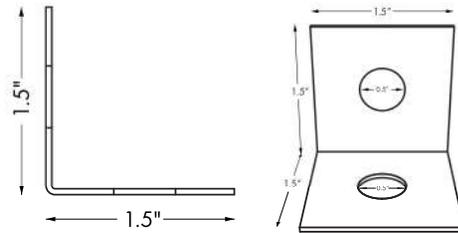
# SPACER INSTALL



SPACER TRIM



L-FASTENER



PAGE:

4 / 5

DESCRIPTION:

Privacy Fence, Version 1

PROJECT:

LUX Fence

DATE:

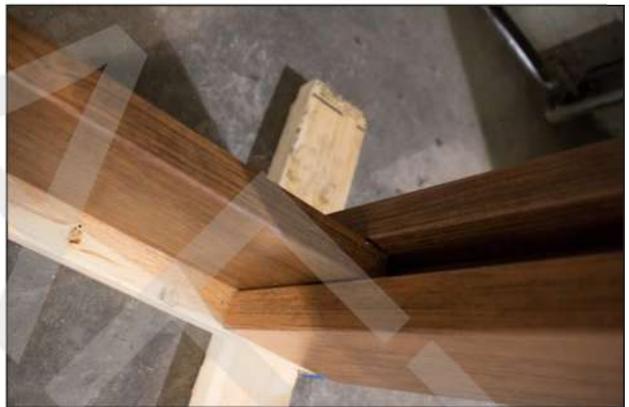
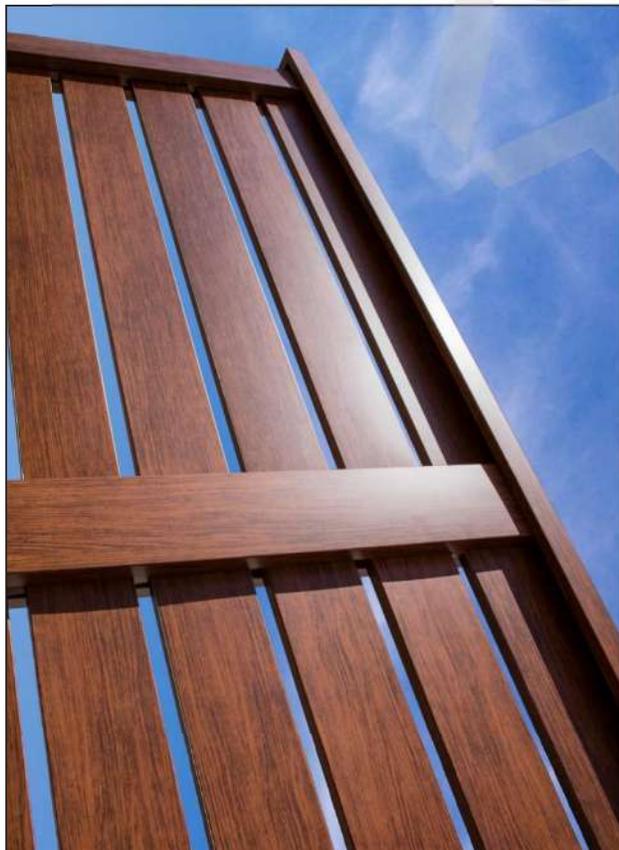
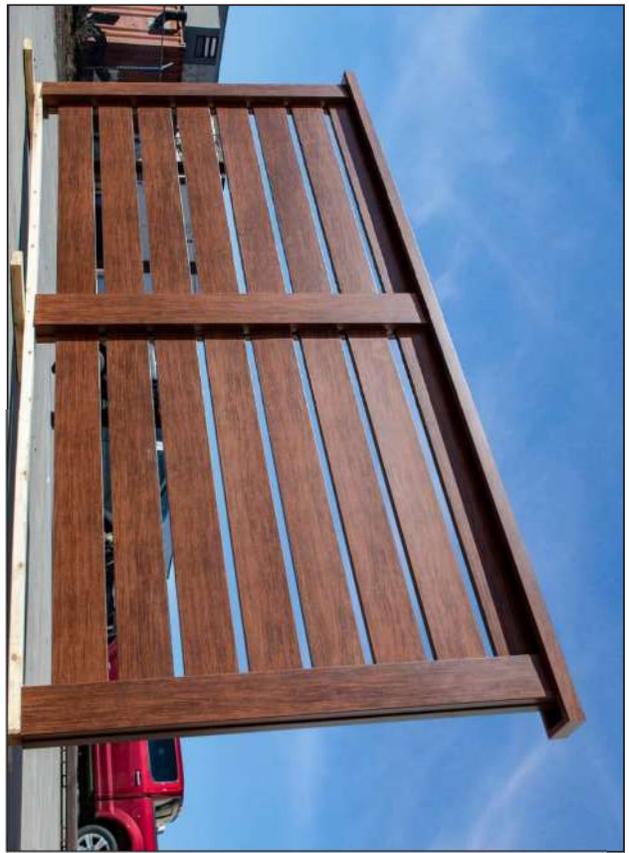
March 27, 2018

DRAWING:

Concept



WARM  
TIMELESS  
DURABLE  
luxpanel.ca



 <b>WARM TIMELESS DURABLE</b> luxpanel.ca	<b>PROJECT:</b> LUX Fence	<b>DESCRIPTION:</b> Privacy Fence, Version 1	<b>PAGE:</b>  <b>5 / 5</b>
	<b>DRAWING:</b> Concept	<b>DATE:</b> March 27, 2018	

## MGO 29.36 Feedback responses

### (3) General Requirements .

- (a) All outdoor lighting fixtures installed and thereafter maintained upon private or public residential, commercial, industrial and other nonresidential property shall comply with the following:
1. The maximum allowable light trespass shall be 0.5 horizontal footcandles four (4) feet above the ground. The point of measurement of this offending light shall be at any point at the outer wall of an adjacent building occupied for residential or public use, or at any point greater than 10 feet from the adjacent lot line. This measurement shall not include any ambient, natural light.

IBC: Maximum design footcandles 10 ft from the property line is 0.25 fc. Plans will be modified to clearly identify the 10 ft line and the max footcandles at that boundary.

2. All fixtures greater than 500 initial lumens (equivalent to 40 watts incandescent or 8 watt LED) shall be full cutoff, or shall be shielded or installed so that there is not a direct line of sight between the light source or its reflection and a point five (5) feet or higher above the ground at the property boundary. The light source shall not be of such intensity so as to cause discomfort or annoyance.

IBC: All fixtures are full cutoff except type OWE. Fixture schedule will be amended to clarify the fixtures that are full cutoff. With respect to fixture OWE, the delivered lumens are less than 500 (155 delivered lumens) and does not throw enough light to make a significant contribution at nearest property lines, as it is a steplight at a low mounting height (10.5") and includes a louver.

3. Any outdoor lighting fixture installed on a parking lot, parking structure or outdoor merchandizing area shall use either high-pressure sodium, metal halide, fluorescent lamps, or any other lamps that produce thirty (30) or more lumens per watt. The lighting system shall be extinguished or reduced to fifty percent (50%) no later than thirty (30) minutes after the close of business for the day or after the end of normal office hours for the majority of employees.

IBC: All fixtures produce more than 30 lumens per watt. Fixture schedule will be amended to clarify this. The controls will dim by 50% or more but this is a 24 hour facility that will see steady usage during the entire night. Motion sensors are used to reduce lighting for parking lot when not in use. Plans will be modified to clarify control intent.

4. All lamp types utilized for search lighting and/or spot lighting for advertising purposes shall not be operated past 11:00 p.m.

IBC: There is no lighting for "advertising" purposes at this time. This requirement does not apply.

## MGO 29.36 Feedback responses

### (4) Specific Design Requirements

#### (a) Open Parking Facilities

##### (1) Low Activity

IBC: The lighting design is based on meeting the requirements for Open Parking Facilities with “Low” Level of Activity. The design lighting levels indicated in the table below are indicated in the Calculation Summary on Sheet EL002. The Calculation Summary will be adjusted to make compliance more clear.

(b) An outdoor lighting system for illuminating buildings and structures shall have a maximum connected lighting load of five (5) watts per lineal foot. Watts shall mean lamp wattage and ballast consumption. Such lighting shall be shielded or installed so as to illuminate the building, and not the sky.

All lights are intended to illuminate walkways, drives, and parking lot. There is no façade lighting. This requirement does not apply.

(e) The maximum initial illumination level under an outdoor canopy shall not exceed 50 footcandles at any point.

This requirement is being met. Exterior illumination level does not exceed 50 fc at any point.



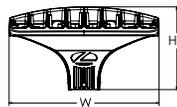
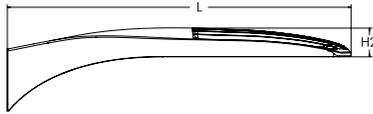
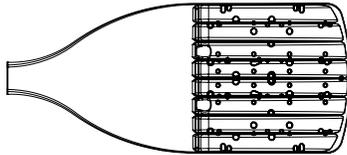
# D-Series Size 1 LED Area Luminaire



d#series

## Specifications

- EPA:** 0.69 ft<sup>2</sup> (0.06 m<sup>2</sup>)
- Length:** 32.71" (83.1 cm)
- Width:** 14.26" (36.2 cm)
- Height H1:** 7.88" (20.0 cm)
- Height H2:** 2.73" (6.9 cm)
- Weight:** 34 lbs (15.4 kg)



Catalog Number	
Notes	
Type	<b>TYPE OAA, OAB</b>

Hit the Tab key or mouse over the page to see all interactive elements.

## Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

## Ordering Information

**EXAMPLE:** DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED	Series	LEDs	Color temperature <sup>2</sup>	Color Rendering Index <sup>2</sup>	Distribution	Voltage	Mounting	
DSX1 LED	Forward optics	P1 P6	(this section 70CRI only) 30K 3000K	70CRI	AFR Automotive front row	T5M Type V medium	<b>MVOLT</b> (120V-277V) <sup>4</sup> <b>HVOLT</b> (347V-480V) <sup>5,6</sup> <b>XVOLT</b> (277V - 480V) <sup>7,8</sup>	<b>Shipped included</b> <b>SPA</b> Square pole mounting (#8 drilling) <b>RPA</b> Round pole mounting (#8 drilling) <b>SPA5</b> Square pole mounting #5 drilling <sup>9</sup> <b>RPA5</b> Round pole mounting #5 drilling <sup>9</sup> <b>SPA8N</b> Square narrow pole mounting #8 drilling <b>WBA</b> Wall bracket <sup>10</sup>
		P2 P7	40K 4000K	70CRI	T1S Type I short	T5LG Type V low glare		
		P3 P8	50K 5000K	70CRI	T2M Type II medium	T5W Type V wide		
		P4 P9	(this section 80CRI only, extended lead times apply)	T3M Type III medium	BLC3 Type III backlight control <sup>3</sup> <b>OAA</b>			
		P5		T3LG Type III low glare <sup>3</sup> <b>OAB</b>	BLC4 Type IV backlight control <sup>3</sup>			
	Rotated optics		27K 2700K	80CRI	T4M Type IV medium	LCCO Left corner cutoff <sup>3</sup>		
	P10 <sup>1</sup> P12 <sup>1</sup>		30K 3000K	80CRI	T4LG Type IV low glare <sup>3</sup>	RCCO Right corner cutoff <sup>3</sup>		
	P11 <sup>1</sup> P13 <sup>1</sup>		35K 3500K	80CRI	TFTM Forward throw medium			
			40K 4000K	80CRI				
			50K 5000K	80CRI				

Control options	Other options	Finish (required)
<b>Shipped installed</b> <b>NLTAIR2 PIRHN</b> nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. <sup>11,12,20,21</sup> <b>PIR</b> High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. <sup>13,20,21</sup> <b>PER</b> NEMA twist-lock receptacle only (controls ordered separately) <sup>14</sup> <b>PER5</b> Five-pin receptacle only (controls ordered separate) <sup>14,21</sup>	<b>PER7</b> Seven-pin receptacle only (controls ordered separate) <sup>14,21</sup> <b>FAO</b> Field adjustable output <sup>15,21</sup> <b>BL30</b> Bi-level switched dimming, 30% <sup>16,21</sup> <b>BL50</b> Bi-level switched dimming, 50% <sup>16,21</sup> <b>DMG</b> 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) <sup>17</sup> <b>DS</b> Dual switching <sup>18,19,21</sup>	<b>Shipped installed</b> <b>SPD20KV</b> 20KV surge protection <b>HS</b> Houseside shield (black finish standard) <sup>22</sup> <b>L90</b> Left rotated optics <sup>1</sup> <b>R90</b> Right rotated optics <sup>1</sup> <b>CCE</b> Coastal Construction <sup>23</sup> <b>Shipped separately</b> <b>EGSR</b> External Glare Shield (reversible, field install required, matches housing finish) <b>BSDB</b> Bird Spikes (field install required)
		<b>DDBXD</b> Dark Bronze <b>DBLXD</b> Black <b>DNAXD</b> Natural Aluminum <b>DWHXD</b> White <b>DBBXTD</b> Textured dark bronze <b>DBLXBD</b> Textured black <b>DNATXD</b> Textured natural aluminum <b>DWHGXD</b> Textured white <p style="text-align: center;"><b>TBD</b></p>



## Ordering Information

### Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>24</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>24</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>24</sup>
DSHORT SBK	Shorting cap <sup>24</sup>
DSX1HS P#	House-side shield (enter 1-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX1EG5 (FINISH)	External glare shield

### NOTES

- Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
- 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
- T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
- HVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- HVOLT not available with package P1 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
- XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- XVOLT not available in packages P1 or P10.
- SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
- WBA cannot be combined with Type 5 distributions plus photocell (PER).
- NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this [link](#)
- NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P1 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1 and P10 using XVOLT.
- PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P1 and P10 using HVOLT. PIR not available with P1 and P10 using XVOLT.
- PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
- BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS.
- DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
- DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
- DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P8, P9, P10, P11, P12 and P13.
- Reference Motion Sensor Default Settings table on page 4 to see functionality.
- Reference Controls Options table on page 4.
- HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- CCE option not available with option BS and EGS. Contact Technical Support for availability.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.

## Shield Accessories



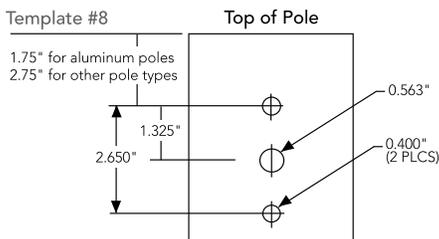
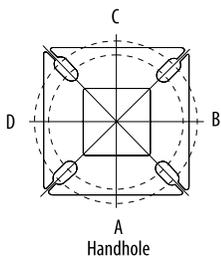
External Glare Shield (EGS)



House Side Shield (HS)

## Drilling

### HANDHOLE ORIENTATION



### Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
Minimum Acceptable Outside Pole Dimension							
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

### DSX1 Area Luminaire - EPA

\*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 with SPA	0.69	1.38	1.23	1.54	---	1.58
DSX1 with SPA5, SPA8N	0.70	1.40	1.30	1.66	---	1.68
DSX1 with RPA, RPA5	0.70	1.40	1.30	1.66	1.60	1.68
DSX1 with MA	0.83	1.66	1.50	2.09	2.09	2.09

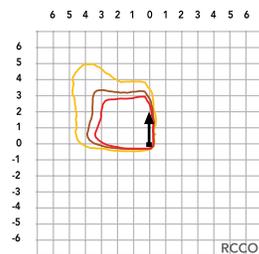
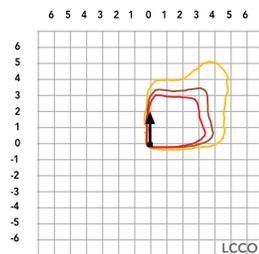
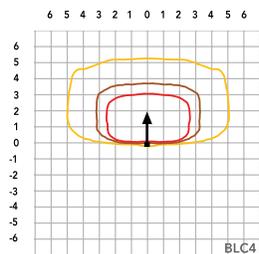
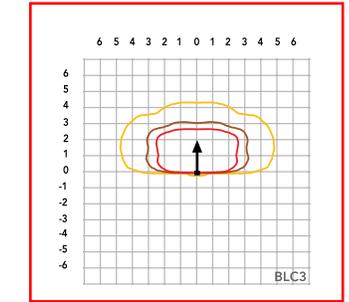
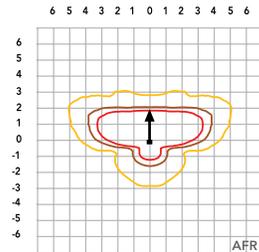
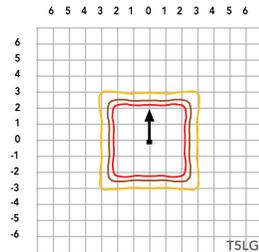
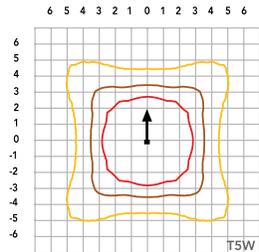
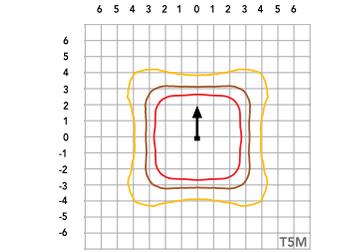
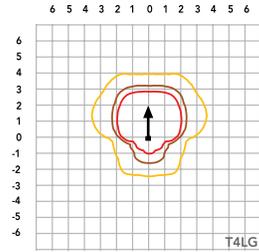
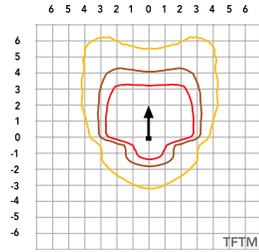
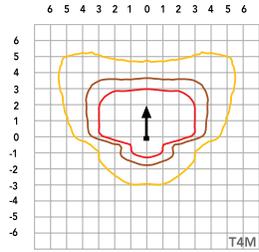
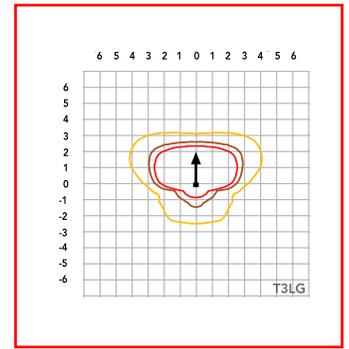
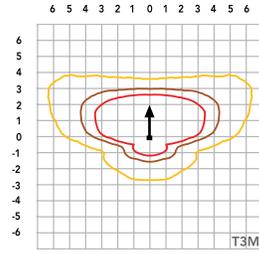
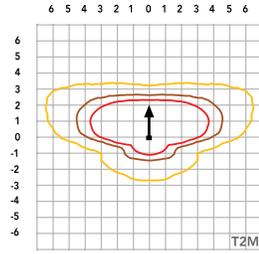
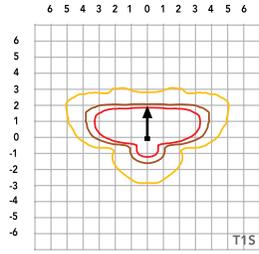


# Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [homepage](#).

Isofootcandle plots for the DSX1 LED P9 40K 70CRI. Distances are in units of mounting height (25').

- LEGEND**
- 0.1 fc
  - 0.5 fc
  - 1.0 fc



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
<b>25°C</b>	<b>77°C</b>	<b>1.00</b>
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.95
50,000	0.90
100,000	0.81

### FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

\*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use maximum published values by package listed on specification sheet (input watts and lumens by optic type).

### Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

### Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

### Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A)					
					120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P2	30	700	68	0.56	0.33	0.28	0.24	0.20	0.14
	P3	30	1050	104	0.85	0.49	0.43	0.37	0.29	0.21
	P4	30	1250	125	1.03	0.60	0.52	0.45	0.36	0.26
	P5	30	1400	142	1.15	0.66	0.58	0.50	0.40	0.29
	P6	40	1250	167	1.38	0.79	0.69	0.60	0.48	0.34
	P7	40	1400	188	1.54	0.89	0.77	0.67	0.53	0.38
	P8	60	1100	216	1.80	1.04	0.90	0.78	0.62	0.45
	P9	60	1400	279	2.31	1.33	1.15	1.00	0.80	0.58
Rotated Optics (Requires L90 or R90)	P10	60	530	101	0.84	0.49	0.42	0.37	0.29	0.21
	P11	60	700	135	1.12	0.65	0.56	0.49	0.39	0.28
	P12	60	1050	206	1.72	0.99	0.86	0.74	0.59	0.43
	P13	60	1400	279	2.30	1.33	1.15	1.00	0.79	0.57

### LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	P1	51W	T1S	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	162
				T2M	7,203	1	0	3	142	7,507	2	0	3	147	7,653	2	0	3	150
				T3M	7,287	1	0	3	143	7,594	1	0	3	149	7,742	1	0	3	152
				T3LG	6,509	1	0	1	128	6,783	1	0	1	133	6,916	1	0	1	136
				T4M	7,395	1	0	3	145	7,707	1	0	3	151	7,857	1	0	3	154
				T4LG	6,726	1	0	1	132	7,010	1	0	1	138	7,146	1	0	1	140
				TFTM	7,446	1	0	3	146	7,760	1	0	3	152	7,912	1	0	3	155
				T5M	7,609	3	0	2	149	7,930	3	0	2	156	8,084	3	0	2	159
				T5W	7,732	3	0	2	152	8,058	4	0	2	158	8,215	4	0	2	161
				T5LG	7,631	3	0	1	150	7,953	3	0	1	156	8,108	3	0	1	159
				BLC3	5,300	0	0	2	104	5,524	0	0	2	109	5,631	0	0	2	111
				BLC4	5,474	0	0	3	108	5,705	0	0	3	112	5,816	0	0	3	114
				RCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	112
				LCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	112
AFR	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	162				
30	700	P2	68W	T1S	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157
				T2M	9,260	2	0	3	137	9,651	2	0	3	142	9,839	2	0	3	145
				T3M	9,368	2	0	3	138	9,763	2	0	3	144	9,953	2	0	3	147
				T3LG	8,368	1	0	2	123	8,721	1	0	2	129	8,891	1	0	2	131
				T4M	9,507	2	0	3	140	9,909	2	0	3	146	10,102	2	0	3	149
				T4LG	8,647	1	0	2	128	9,012	1	0	2	133	9,187	1	0	2	136
				TFTM	9,573	2	0	3	141	9,977	2	0	3	147	10,172	2	0	3	150
				T5M	9,782	4	0	2	144	10,195	4	0	2	150	10,393	4	0	2	153
				T5W	9,940	4	0	2	147	10,360	4	0	2	153	10,562	4	0	2	156
				T5LG	9,810	3	0	1	145	10,224	3	0	1	151	10,423	3	0	1	154
				BLC3	6,814	0	0	2	101	7,101	0	0	2	105	7,240	0	0	2	107
				BLC4	7,038	0	0	3	104	7,334	0	0	3	108	7,477	0	0	3	110
				RCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	2	108
				LCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	2	108
AFR	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157				
30	1050	P3	102W	T1S	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147
				T2M	13,055	2	0	3	128	13,605	2	0	3	133	13,871	2	0	3	136
				T3M	13,206	2	0	4	129	13,763	2	0	4	135	14,031	2	0	4	137
				T3LG	11,797	2	0	2	115	12,294	2	0	2	120	12,534	2	0	2	123
				T4M	13,403	2	0	4	131	13,968	2	0	4	137	14,241	2	0	4	139
				T4LG	12,190	2	0	2	119	12,704	2	0	2	124	12,952	2	0	2	127
				TFTM	13,496	2	0	4	132	14,065	2	0	4	138	14,339	2	0	4	140
				T5M	13,790	4	0	2	135	14,371	4	0	2	141	14,652	4	0	2	143
				T5W	14,013	4	0	3	137	14,605	4	0	3	143	14,889	4	0	3	146
				T5LG	13,830	3	0	2	135	14,413	3	0	2	141	14,694	3	0	2	144
				BLC3	9,606	0	0	2	94	10,011	0	0	2	98	10,206	0	0	2	100
				BLC4	9,921	0	0	3	97	10,340	0	0	3	101	10,541	0	0	3	103
				RCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	2	101
				LCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	2	101
AFR	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147				



Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	1250	P4	124W	T1S	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141
				T2M	15,207	3	0	4	123	15,849	3	0	4	128	16,158	3	0	4	130
				T3M	15,383	2	0	4	124	16,032	2	0	4	129	16,345	2	0	4	132
				T3LG	13,742	2	0	2	111	14,321	2	0	2	116	14,600	2	0	2	118
				T4M	15,613	2	0	4	126	16,272	2	0	4	131	16,589	2	0	4	134
				T4LG	14,200	2	0	2	115	14,799	2	0	2	119	15,087	2	0	2	122
				TFTM	15,721	2	0	4	127	16,384	2	0	4	132	16,703	2	0	4	135
				T5M	16,063	4	0	2	130	16,741	4	0	2	135	17,067	4	0	2	138
				T5W	16,324	5	0	3	132	17,013	5	0	3	137	17,344	5	0	3	140
				T5LG	16,110	3	0	2	130	16,790	4	0	2	135	17,117	4	0	2	138
				BLC3	11,190	0	0	3	90	11,662	0	0	3	94	11,889	0	0	3	96
				BLC4	11,557	0	0	3	93	12,044	0	0	3	97	12,279	0	0	4	99
				RCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97
				LCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97
				AFR	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141
30	1400	P5	138W	T1S	18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139
				T2M	16,723	3	0	4	121	17,428	3	0	4	126	17,768	3	0	4	129
				T3M	16,917	3	0	4	122	17,630	3	0	4	128	17,974	3	0	4	130
				T3LG	15,111	2	0	2	109	15,749	2	0	2	114	16,055	2	0	2	116
				T4M	17,169	3	0	5	124	17,893	3	0	5	130	18,242	3	0	5	132
				T4LG	15,615	2	0	2	113	16,274	2	0	2	118	16,591	2	0	2	120
				TFTM	17,288	2	0	4	125	18,017	2	0	5	130	18,368	3	0	5	133
				T5M	17,664	5	0	3	128	18,410	5	0	3	133	18,768	5	0	3	136
				T5W	17,951	5	0	3	130	18,708	5	0	3	135	19,073	5	0	3	138
				T5LG	17,716	4	0	2	128	18,463	4	0	2	134	18,823	4	0	2	136
				BLC3	12,305	0	0	3	89	12,824	0	0	3	93	13,074	0	0	3	95
				BLC4	12,709	0	0	4	92	13,245	0	0	4	96	13,503	0	0	4	98
				RCCO	12,416	1	0	3	90	12,940	1	0	3	94	13,192	1	0	3	95
				LCCO	12,416	1	0	3	90	12,940	1	0	3	94	13,192	1	0	3	95
				AFR	18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139
40	1250	P6	165W	T1S	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135
				T2M	19,482	3	0	4	118	20,303	3	0	4	123	20,699	3	0	4	125
				T3M	19,708	3	0	5	119	20,539	3	0	5	124	20,939	3	0	5	127
				T3LG	17,604	2	0	2	107	18,347	2	0	2	111	18,704	2	0	2	113
				T4M	20,001	3	0	5	121	20,845	3	0	5	126	21,251	3	0	5	129
				T4LG	18,191	2	0	2	110	18,959	2	0	2	115	19,328	2	0	2	117
				TFTM	20,140	3	0	5	122	20,989	3	0	5	127	21,398	3	0	5	129
				T5M	20,579	5	0	3	125	21,447	5	0	3	130	21,865	5	0	3	132
				T5W	20,912	5	0	3	127	21,795	5	0	3	132	22,219	5	0	3	134
				T5LG	20,638	4	0	2	125	21,509	4	0	2	130	21,928	4	0	2	133
				BLC3	14,335	0	0	3	87	14,940	0	0	3	90	15,231	0	0	3	92
				BLC4	14,805	0	0	4	90	15,430	0	0	4	93	15,731	0	0	4	95
				RCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93
				LCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93
				AFR	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135



Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1400	P7	184W	T1S	22,741	2	0	3	123	23,700	2	0	3	129	24,162	3	0	3	131
				T2M	21,066	3	0	4	114	21,955	3	0	4	119	22,383	3	0	4	121
				T3M	21,311	3	0	5	116	22,210	3	0	5	120	22,642	3	0	5	123
				T3LG	19,036	2	0	2	103	19,839	2	0	3	108	20,226	2	0	3	110
				T4M	21,628	3	0	5	117	22,541	3	0	5	122	22,980	3	0	5	125
				T4LG	19,671	2	0	2	107	20,501	2	0	3	111	20,900	2	0	3	113
				TFTM	21,778	3	0	5	118	22,697	3	0	5	123	23,139	3	0	5	125
				T5M	22,252	5	0	3	121	23,191	5	0	3	126	23,643	5	0	3	128
				T5W	22,613	5	0	3	123	23,567	5	0	4	128	24,027	5	0	4	130
				T5LG	22,317	4	0	2	121	23,258	4	0	2	126	23,712	4	0	2	129
				BLC3	15,501	0	0	3	84	16,155	0	0	4	88	16,470	0	0	4	89
				BLC4	16,010	0	0	4	87	16,685	0	0	4	90	17,010	0	0	4	92
				RCCO	15,631	5	0	5	85	---	---	---	---	---	---	---	---	---	---
				LCCO	15,641	1	0	3	85	---	---	---	---	---	---	---	---	---	---
				AFR	22,741	2	0	3	123	23,700	2	0	3	129	24,162	3	0	3	131
				60	1100	P8	216W	T1S	28,701	3	0	3	133	29,912	3	0	4	139	30,495
T2M	26,587	3	0					5	123	27,709	3	0	5	128	28,249	3	0	5	131
T3M	26,895	3	0					5	125	28,030	3	0	5	130	28,576	3	0	5	132
T3LG	24,025	3	0					3	111	25,038	3	0	3	116	25,526	3	0	3	118
T4M	27,296	3	0					5	127	28,448	3	0	5	132	29,002	3	0	5	134
T4LG	24,826	3	0					3	115	25,873	3	0	3	120	26,378	3	0	3	122
TFTM	27,485	3	0					5	127	28,645	3	0	5	133	29,203	3	0	5	135
T5M	28,084	5	0					4	130	29,269	5	0	4	136	29,839	5	0	4	138
T5W	28,539	5	0					4	132	29,743	5	0	4	138	30,323	5	0	4	141
T5LG	28,165	4	0					2	131	29,354	4	0	2	136	29,926	4	0	2	139
BLC3	19,563	0	0					4	91	20,388	0	0	4	94	20,786	0	0	4	96
BLC4	20,205	0	0					5	94	21,057	0	0	5	98	21,468	0	0	5	99
RCCO	19,740	1	0					4	91	20,572	1	0	4	95	20,973	1	0	4	97
LCCO	19,740	1	0					4	91	20,572	1	0	4	95	20,973	1	0	4	97
AFR	28,701	3	0					3	133	29,912	3	0	4	139	30,495	3	0	4	141
60	1400	P9	277W					T1S	34,819	3	0	4	126	36,288	3	0	4	131	36,996
				T2M	32,255	3	0	5	116	33,616	3	0	5	121	34,271	3	0	5	124
				T3M	32,629	3	0	5	118	34,006	3	0	5	123	34,668	3	0	5	125
				T3LG	29,146	3	0	3	105	30,376	3	0	4	110	30,968	3	0	4	112
				T4M	33,116	3	0	5	120	34,513	3	0	5	125	35,185	3	0	5	127
				T4LG	30,119	3	0	3	109	31,389	3	0	4	113	32,001	3	0	4	116
				TFTM	33,345	3	0	5	120	34,751	3	0	5	125	35,429	3	0	5	128
				T5M	34,071	5	0	4	123	35,509	5	0	4	128	36,201	5	0	4	131
				T5W	34,624	5	0	4	125	36,084	5	0	4	130	36,788	5	0	4	133
				T5LG	34,170	5	0	3	123	35,612	5	0	3	129	36,306	5	0	3	131
				BLC3	23,734	0	0	4	86	24,735	0	0	4	89	25,217	0	0	4	91
				BLC4	24,513	0	0	5	88	25,547	0	0	5	92	26,045	0	0	5	94
				RCCO	23,948	1	0	4	86	24,958	1	0	4	90	25,445	1	0	4	92
				LCCO	23,948	1	0	4	86	24,958	1	0	4	90	25,445	1	0	4	92
				AFR	34,819	3	0	4	126	36,288	3	0	4	131	36,996	3	0	4	134



## Performance Data

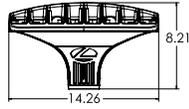
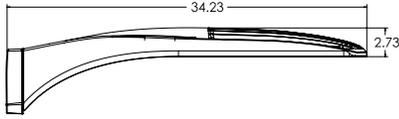
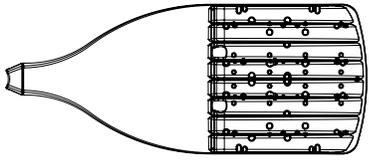
### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

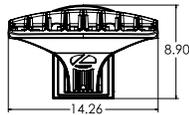
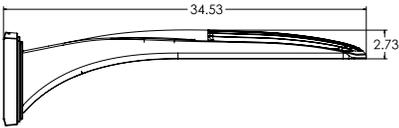
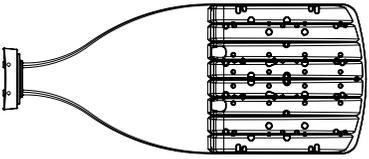
Rotated Optics																			
LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	P10	101W	T1S	15,164	3	0	3	150	15,803	3	0	3	156	16,112	3	0	3	159
				T2M	14,047	4	0	4	139	14,640	4	0	4	145	14,925	4	0	4	147
				T3M	14,208	4	0	4	140	14,807	4	0	4	146	15,096	4	0	4	149
				T3LG	12,693	3	0	3	125	13,229	3	0	3	131	13,487	3	0	3	133
				T4M	14,420	4	0	4	142	15,028	4	0	4	148	15,321	4	0	4	151
				T4LG	13,115	3	0	3	129	13,668	3	0	3	135	13,934	3	0	3	138
				TFTM	14,522	4	0	4	143	15,134	4	0	4	149	15,429	4	0	4	152
				T5M	14,836	4	0	2	146	15,462	4	0	2	153	15,763	4	0	2	156
				T5W	15,076	4	0	3	149	15,712	5	0	3	155	16,019	5	0	3	158
				T5LG	14,879	3	0	2	147	15,507	3	0	2	153	15,809	3	0	2	156
				BLC3	10,335	3	0	3	102	10,771	4	0	4	106	10,981	4	0	4	108
				BLC4	10,674	4	0	4	105	11,124	4	0	4	110	11,341	4	0	4	112
				RCCO	10,429	1	0	2	103	10,869	1	0	2	107	11,080	1	0	2	109
				LCCO	10,429	1	0	2	103	10,869	1	0	2	107	11,080	1	0	2	109
				AFR	15,164	3	0	3	150	15,803	3	0	3	156	16,112	3	0	3	159
				60	700	P11	135W	T1S	19,437	4	0	4	144	20,257	4	0	4	150	20,651
T2M	18,005	4	0					4	133	18,765	4	0	4	139	19,131	4	0	4	142
T3M	18,211	4	0					4	135	18,980	4	0	4	141	19,350	4	0	4	143
T3LG	16,270	3	0					3	121	16,957	3	0	3	126	17,287	4	0	4	128
T4M	18,483	4	0					4	137	19,263	5	0	5	143	19,638	5	0	5	146
T4LG	16,810	3	0					3	125	17,519	3	0	3	130	17,861	3	0	3	132
TFTM	18,614	4	0					4	138	19,399	4	0	4	144	19,777	5	0	5	147
T5M	19,017	5	0					3	141	19,819	5	0	3	147	20,205	5	0	3	150
T5W	19,325	5	0					3	143	20,140	5	0	3	149	20,533	5	0	3	152
T5LG	19,072	4	0					2	141	19,876	4	0	2	147	20,264	4	0	2	150
BLC3	13,247	4	0					4	98	13,806	4	0	4	102	14,075	4	0	4	104
BLC4	13,682	4	0					4	101	14,259	4	0	4	106	14,537	4	0	4	108
RCCO	13,367	1	0					3	99	13,931	1	0	3	103	14,203	1	0	3	105
LCCO	13,367	1	0					3	99	13,931	1	0	3	103	14,203	1	0	3	105
AFR	19,437	4	0					4	144	20,257	4	0	4	150	20,651	4	0	4	153
60	1050	P12	206W					T1S	27,457	4	0	4	133	28,616	4	0	4	139	29,174
				T2M	25,436	5	0	5	124	26,509	5	0	5	129	27,025	5	0	5	131
				T3M	25,727	5	0	5	125	26,812	5	0	5	130	27,335	5	0	5	133
				T3LG	22,984	4	0	4	112	23,954	4	0	4	116	24,421	4	0	4	119
				T4M	26,110	5	0	5	127	27,212	5	0	5	132	27,742	5	0	5	135
				T4LG	23,747	4	0	4	115	24,749	4	0	4	120	25,231	4	0	4	123
				TFTM	26,295	5	0	5	128	27,404	5	0	5	133	27,938	5	0	5	136
				T5M	26,864	5	0	4	130	27,997	5	0	4	136	28,543	5	0	4	139
				T5W	27,299	5	0	4	133	28,451	5	0	4	138	29,006	5	0	4	141
				T5LG	26,942	4	0	2	131	28,078	4	0	2	136	28,626	4	0	2	139
				BLC3	18,714	4	0	4	91	19,504	4	0	4	95	19,884	4	0	4	97
				BLC4	19,327	5	0	5	94	20,143	5	0	5	98	20,535	5	0	5	100
				RCCO	18,883	1	0	4	92	19,680	1	0	4	96	20,064	1	0	4	97
				LCCO	18,883	1	0	4	92	19,680	1	0	4	96	20,064	1	0	4	97
				AFR	27,457	4	0	4	133	28,616	4	0	4	139	29,174	4	0	4	142
				60	1400	P13	276W	T1S	34,436	5	0	5	125	35,889	5	0	5	130	36,588
T2M	31,900	5	0					5	116	33,246	5	0	5	121	33,894	5	0	5	123
T3M	32,265	5	0					5	117	33,626	5	0	5	122	34,282	5	0	5	124
T3LG	28,826	4	0					4	105	30,042	4	0	4	109	30,628	4	0	4	111
T4M	32,746	5	0					5	119	34,128	5	0	5	124	34,793	5	0	5	126
T4LG	29,782	4	0					4	108	31,039	4	0	4	113	31,644	5	0	4	115
TFTM	32,978	5	0					5	120	34,369	5	0	5	125	35,039	5	0	5	127
T5M	33,692	5	0					4	122	35,113	5	0	4	127	35,797	5	0	4	130
T5W	34,238	5	0					4	124	35,682	5	0	4	129	36,378	5	0	4	132
T5LG	33,789	5	0					3	122	35,215	5	0	3	128	35,901	5	0	3	130
BLC3	23,471	5	0					5	85	24,461	5	0	5	89	24,937	5	0	5	90
BLC4	24,240	5	0					5	88	25,262	5	0	5	92	25,755	5	0	5	93
RCCO	23,683	1	0					4	86	24,682	1	0	4	89	25,163	1	0	4	91
LCCO	23,683	1	0					4	86	24,682	1	0	4	89	25,163	1	0	4	91
AFR	34,436	5	0					5	125	35,889	5	0	5	130	36,588	5	0	5	133



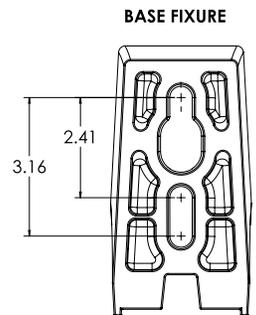
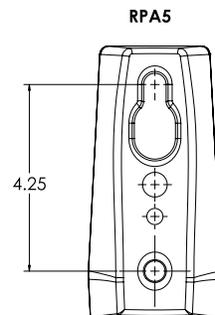
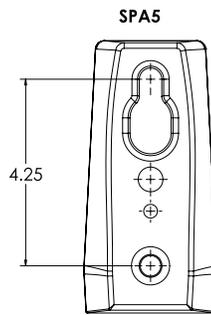
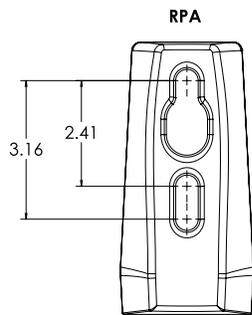
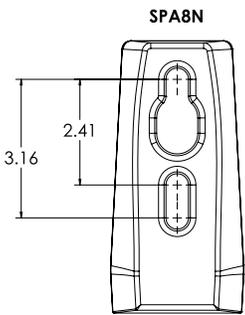
Dimensions



DSX1 with RPA, RPA5, SPA5, SPA8N



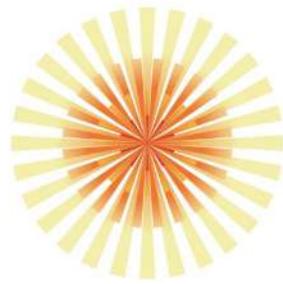
DSX1 with WBA



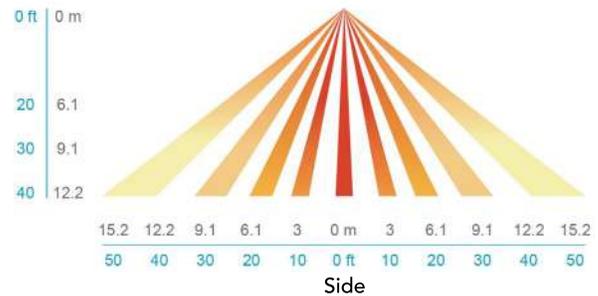
## nLight Control - Sensor Coverage and Settings

### nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



Top



Side

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 1.5G. Low EPA (0.69 ft<sup>2</sup>) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### Coastal Construction (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

### OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 1 has zero uplight and qualifies as a Night-time Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L81/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### STANDARD CONTROLS

The DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensor with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

### nLIGHT AIR CONTROLS

The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocell functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found here.

### INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

### LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

### WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : DSX1 LED P1 40K 70CRI BLC3.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] ISF 222045P61  
 [ISSUEDATE] 11/10/2022  
 [TESTLAB] SCALED PHOTOMETRY  
 [MANUFAC] Lithonia Lighting  
 [LUMCAT] DSX1 LED P1 40K 70CRI BLC3  
 [LUMINAIRE] D-Series Size 1 Area Luminaire P1 Performance Package 4000K CCT 70 CRI Type 3 Extreme Backlight Control  
 [DISTRIBUTION] TYPE III, SHORT, BUG RATING: B0 - U0 - G2  
 [\_TOTALLUMINAIRELUMENS] 5524  
 [\_INPUTWATTAGE] 50.9  
 [\_LAMPTYPE] LED  
 [\_MOUNTING] OUTDOOR  
 [\_PHYSICALDIMENSIONS] 1.08, 1.14, 0  
 [\_PRODUCTID] a858b133-31c8-4f99-b1cf-5bfde9e80b80  
 [\_SERIES] DSX1  
 [\_SERIESID] 596135

**CHARACTERISTICS**

IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5522
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	50.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5672.312
Maximum Candela Angle	45H 65V
Maximum Candela (<90 Degrees Vertical)	5672.312
Maximum Candela Angle (<90 Degrees Vertical)	45H 65V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1019.045 (18.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

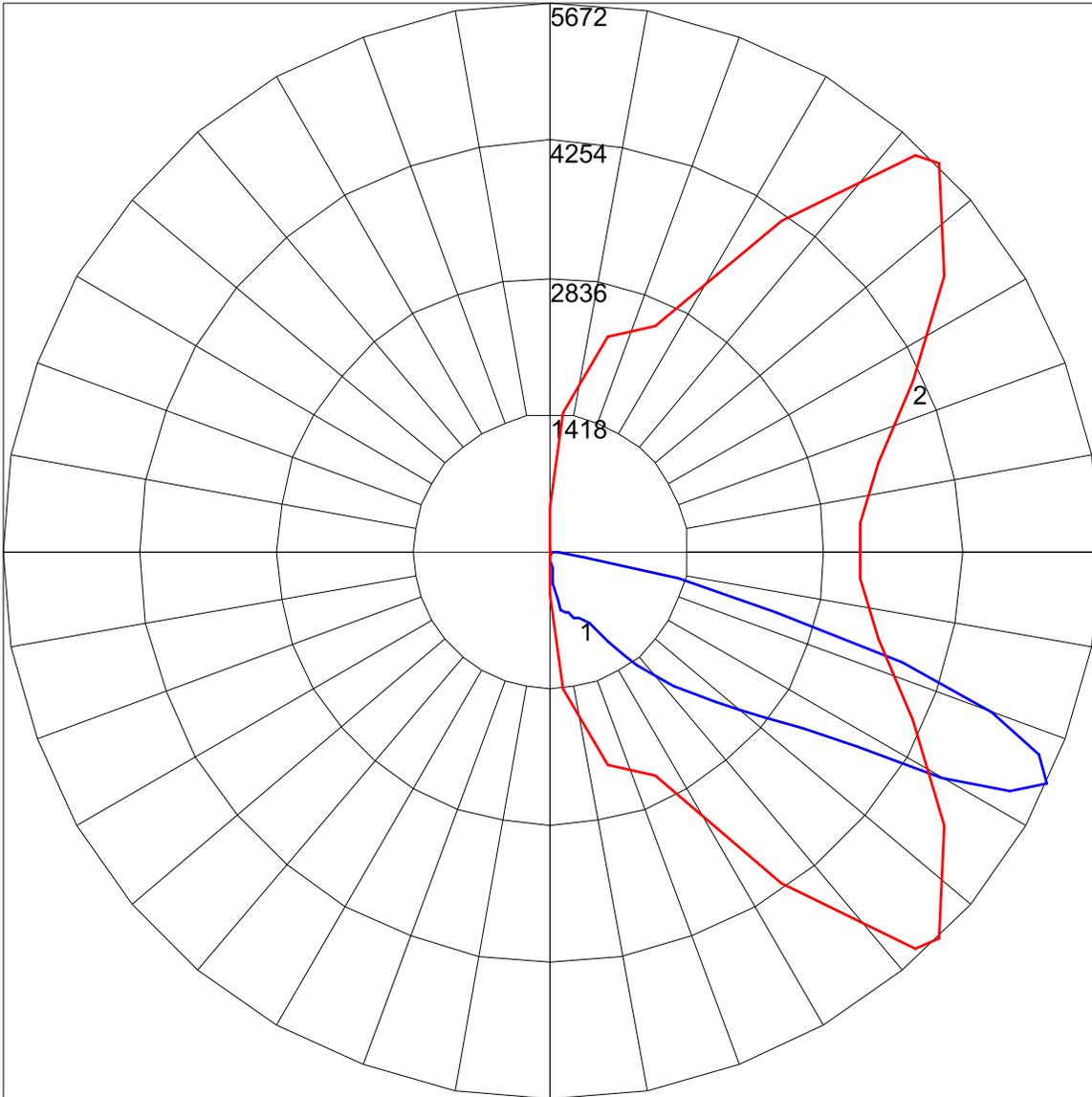
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DSX1 LED P1 40K 70CRI BLC3.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	288.9	N.A.	5.2
FM - Front-Medium (30-60)	2541.6	N.A.	46.0
FH - Front-High (60-80)	2592.3	N.A.	46.9
FVH - Front-Very High (80-90)	56.5	N.A.	1.0
BL - Back-Low (0-30)	8.8	N.A.	0.2
BM - Back-Medium (30-60)	14.9	N.A.	0.3
BH - Back-High (60-80)	17.5	N.A.	0.3
BVH - Back-Very High (80-90)	1.9	N.A.	0.0
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	5522.4	N.A.	100.0
BUG Rating	B0-U0-G2		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DSX1 LED P1 40K 70CRI BLC3.IES**

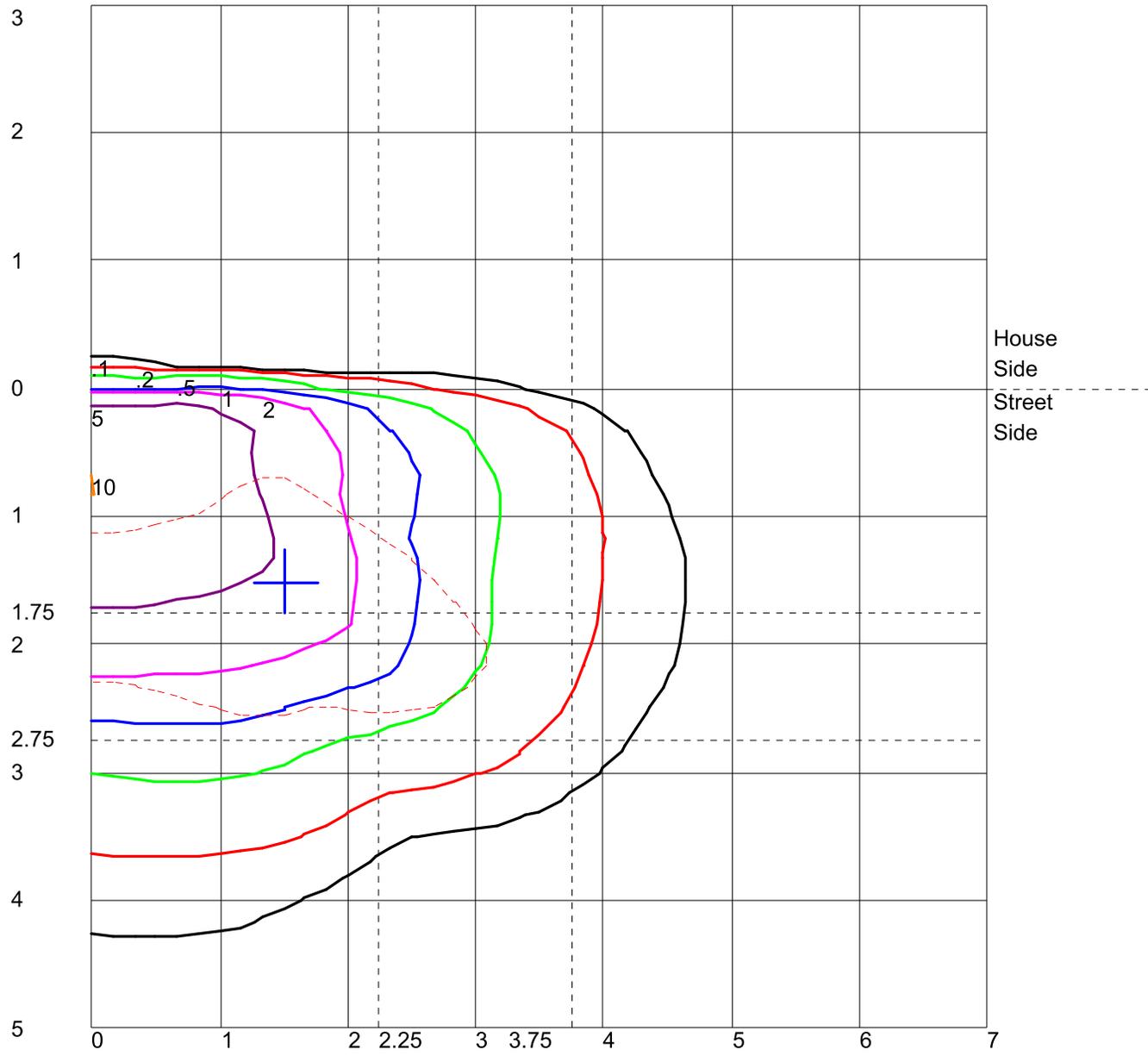
**POLAR GRAPH**



Maximum Candela = 5672.312 Located At Horizontal Angle = 45, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DSX1 LED P1 40K 70CRI BLC3.IES**

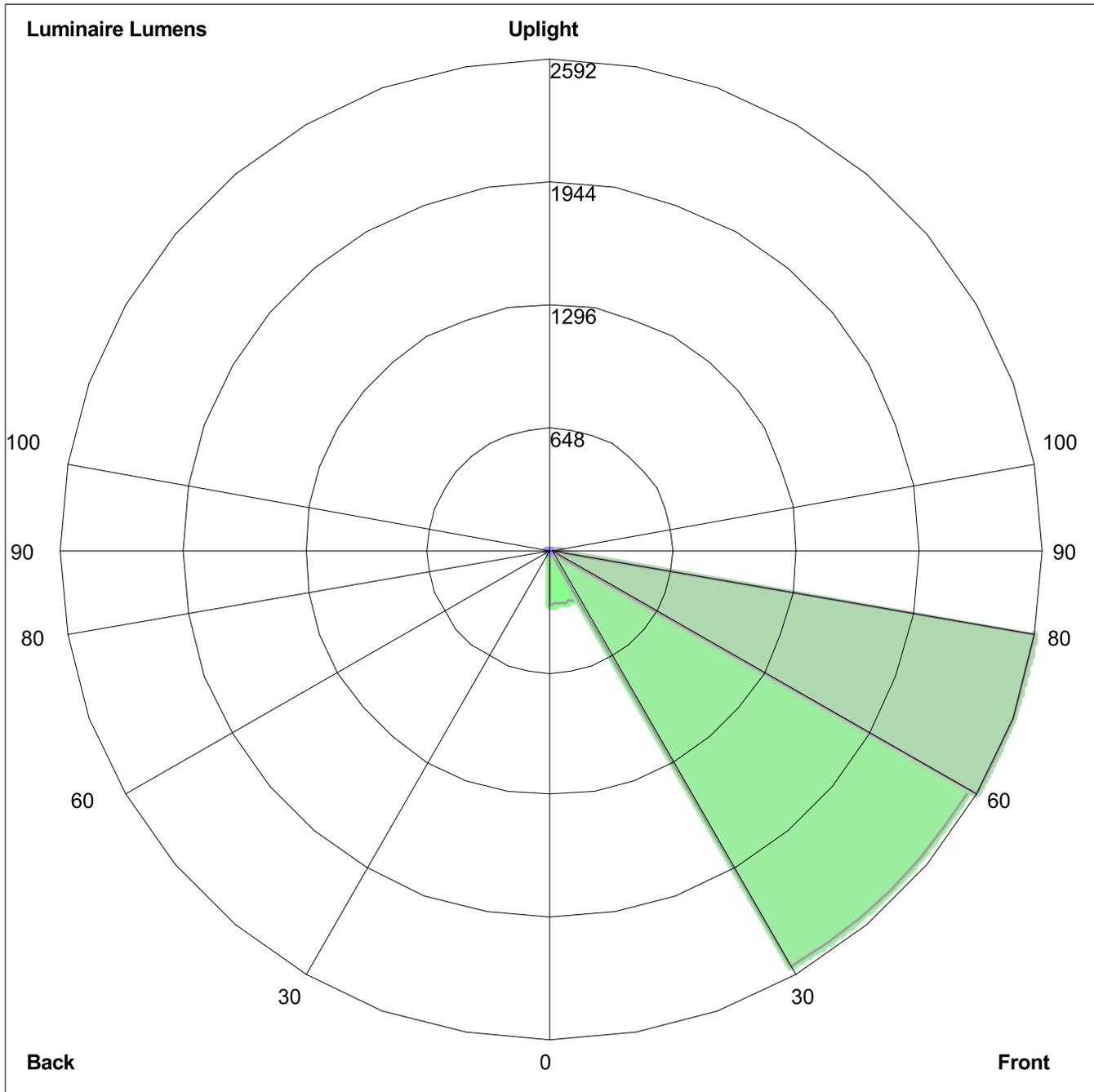
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE**



Distance In Units Of Mounting Height  
Values Based On 10 Foot Mounting Height  
1/2 Maximum Candela Trace Shown As Dashed Curve  
(+) = Maximum Candela Point

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DSX1 LED P1 40K 70CRI BLC3.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**



Luminaire Lumens:  
Front: Low=288.9, Medium=2541.6, High=2592.3, Very High=56.5  
Back: Low=8.8, Medium=14.9, High=17.5, Very High=1.9  
Uplight: Low=0.0, High=0.0

BUG Rating : B0-U0-G2



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : DSX1 LED P1 40K 70CRI T3LG.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] ISF 221262BP61  
 [ISSUE DATE] 11/10/2022  
 [TESTLAB] SCALED PHOTOMETRY  
 [MANUFAC] Lithonia Lighting  
 [LUMCAT] DSX1 LED P1 40K 70CRI T3LG  
 [LUMINAIRE] D-Series Size 1 Area Luminaire P1 Performance Package 4000K CCT 70 CRI Type 3 Low G Rating  
 [DISTRIBUTION] TYPE III, SHORT, BUG RATING: B1 - U0 - G1  
 [\_TOTALLUMINAIRELUMENS] 6783  
 [\_INPUTWATTAGE] 50.9  
 [\_LAMPTYPE] LED  
 [\_MOUNTING] OUTDOOR  
 [\_PHYSICALDIMENSIONS] 1.08, 1.14, 0  
 [\_PRODUCTID] 4f1bb518-c327-436c-af75-ddda3acc8f8c  
 [\_SERIES] DSX1  
 [\_SERIESID] 596135  
 [\_INPUTWATTAGE] 51  
 [\_TOTALLUMINAIRELUMENS] 6364  
 [TESTMETHOD] IES LM-79-08

**CHARACTERISTICS**

IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6784
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	50.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4474.571
Maximum Candela Angle	47.5H 60V
Maximum Candela (<90 Degrees Vertical)	4474.571
Maximum Candela Angle (<90 Degrees Vertical)	47.5H 60V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	666.221 (9.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

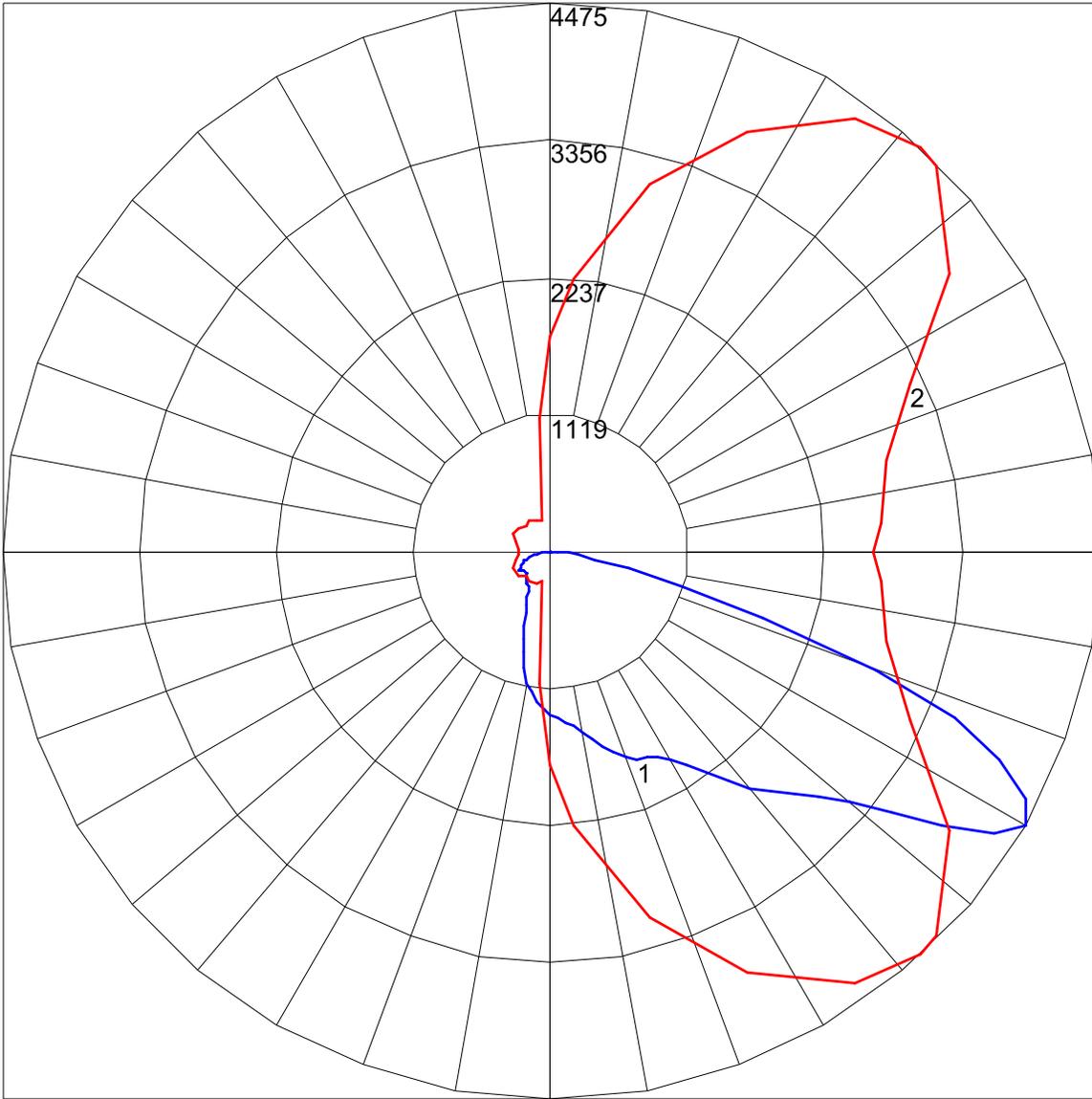
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DSX1 LED P1 40K 70CRI T3LG.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	715.6	N.A.	10.5
FM - Front-Medium (30-60)	3127.9	N.A.	46.1
FH - Front-High (60-80)	1743.0	N.A.	25.7
FVH - Front-Very High (80-90)	71.2	N.A.	1.0
BL - Back-Low (0-30)	331.2	N.A.	4.9
BM - Back-Medium (30-60)	548.8	N.A.	8.1
BH - Back-High (60-80)	229.9	N.A.	3.4
BVH - Back-Very High (80-90)	16.3	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	6783.9	N.A.	100.0
BUG Rating	B1-U0-G1		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DSX1 LED P1 40K 70CRI T3LG.IES**

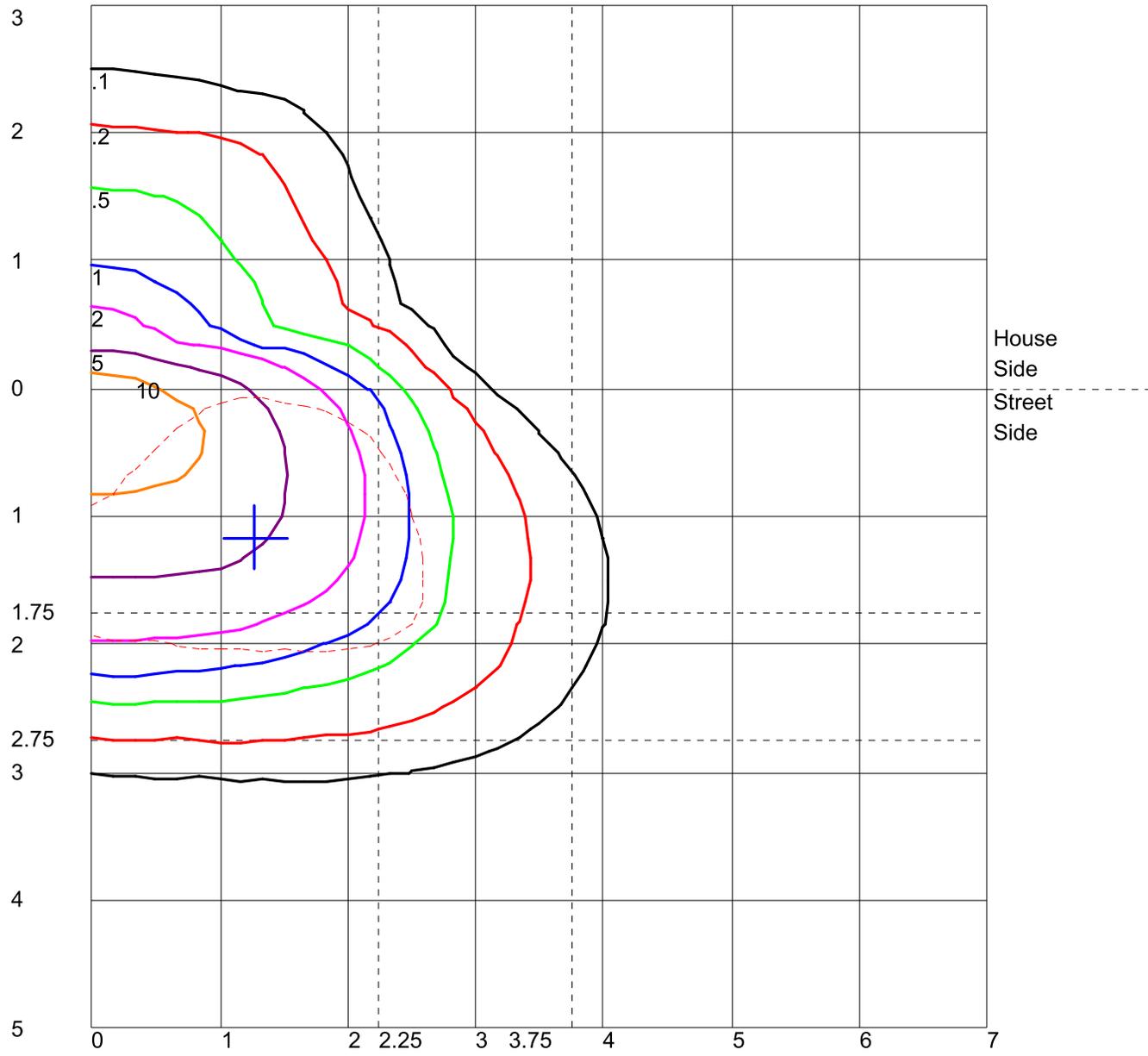
**POLAR GRAPH**



Maximum Candela = 4474.571 Located At Horizontal Angle = 47.5, Vertical Angle = 60  
# 1 - Vertical Plane Through Horizontal Angles (47.5 - 227.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DSX1 LED P1 40K 70CRI T3LG.IES**

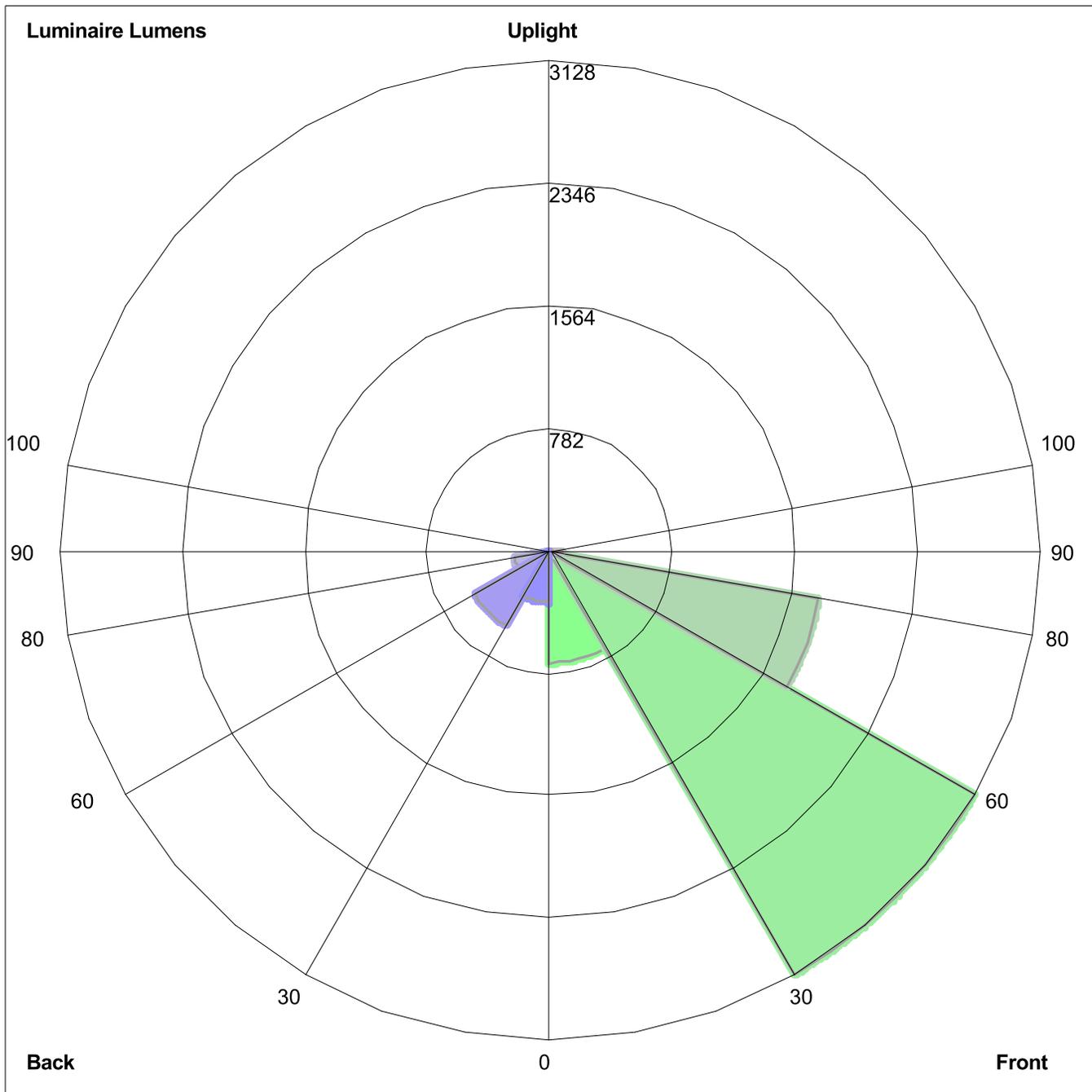
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE**



Distance In Units Of Mounting Height  
Values Based On 10 Foot Mounting Height  
1/2 Maximum Candela Trace Shown As Dashed Curve  
(+) = Maximum Candela Point

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DSX1 LED P1 40K 70CRI T3LG.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**



Luminaire Lumens:  
Front: Low=715.6, Medium=3127.9, High= 1743.0, Very High=71.2  
Back: Low=331.2, Medium=548.8, High=229.9, Very High=16.3  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1



DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	<b>TYPES OBA, OBB</b>

**PA7R**  
BOLLARD

Pavilion™

**FEATURES**

- IDA Dark Sky Compliant, No Up-light configuration
- Elegant form factor blended with Performance Optics
- Integral NEMA 3R Enclosure
- Dual receptacle power panel
- PA System capability
- Bluetooth® enabled RGBW accent



**CONTROL TECHNOLOGY**



**RELATED PRODUCTS**

- Pavilion Square
- Pavilion Round Impact Rated

**SPECIFICATIONS**

**CONSTRUCTION**

**HOUSING:**

- Castings are low copper aluminum alloy die-cast
- Gaskets are molded silicone to prevent harmful ingress to the lamp and driver compartments
- IP65 rated

**SHAFT:**

- Aluminum shaft(s) is .125" thick extruded aluminum 6061 alloy
- Concrete shaft(s) conforms to current specifications for "Portland Cement." ASTM C150, Type I or II. Aggregates shall meet current requirements of "Specifications for Concrete Aggregates," ASTM C33. Water shall be clean and free from deleterious amounts of silt, oil, acids, alkalies or organic materials. Wire for reinforcement shall conform to ASTM A185. Steel for lugs and plates shall conform to ASTM A36, or A283 grade D
- Concrete shaft(s) is medium sand-blasted with anti-graffiti sealer and material color shall be integral to the concrete mix
- Concrete shaft(s) is cured to allow for completion of the hydration process, and result in a 28 day compressive strength of not less than 4,500 psi
- Concrete shaft(s) is cast from fiberglass molds used to insure uniform parts. Mold parting lines may be slightly visible in finished parts

**OPTICS**

- LEDs mount to a metal printed circuit board assembly (MCPCB)
- Optical lenses are clear injection molded PMMA acrylic
- U0 configurations have an optically clear flat tempered glass lens, all other configurations have either an optically clear or high transmission diffused acrylic lens

**INSTALLATION**

- Aluminum shaft configurations will have four 3/8" x 10" x 2" zinc plated L-hook anchor bolts shall be installed with an included template. Nuts and washers are provided to level and secure the mounting plate to the anchor bolts
- Aluminum shaft configurations will have a mounting plate and be able to be rotated 20° in either direction during installation for aiming adjustment
- Concrete shaft configurations will have four steel mounting tabs for installation on four 1/2" x 10" + 2" zinc electroplated L-hook anchor bolts. Each anchor bolt is supplied with two nuts, two washers, and a rigid pressed board template
- Concrete shaft configurations are palletized with adequate hold-downs to prevent load movement in transit
- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

**ELECTRICAL**

- Universal voltage, 120 through 277V with a ±10% tolerance. Driver is Underwriters Laboratories listed
- High voltage configurations, 208-277, 347/480. Driver is Underwriters Laboratories listed
- "Thermal Shield", secondary side, thermistor provides protection for the sustainable life of LED module and electronic components
- Drivers are greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments
- Luminaire is capable of operating at 100% brightness in a 40°C environment. Both driver and optical array have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C

(Specifications continued on page 3)

KEY DATA	
<b>Lumen Range</b>	397-2350
<b>Wattage Range</b>	14-22
<b>Efficacy Range (LPW)</b>	29-108
<b>Reported Life (Hours)</b>	L70/60,000



DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
CATALOG #: \_\_\_\_\_

**PA7R**  
BOLLARD

**ORDERING GUIDE**

Example: PA7R-FT-NU-1-12L-010-5K7-24A-BLS-UNV-EM

CATALOG # \_\_\_\_\_

**HOUSING**

Model	Top	Optics	Distribution	Light Engine <sup>13</sup>
<b>PA7R</b> Pavilion 7" Ø Round	<b>FT</b> Flat Top <b>CT</b> <sup>1</sup> Crowned Top	<b>NU</b> No Up-light <b>CH</b> Clear Horizontal Lens <b>CL</b> <sup>2</sup> Clear Vertical Lens <b>DL</b> <sup>2,3</sup> Diffuse Vertical Lens <b>LV</b> Louvers <b>GC</b> Grille with clear vertical lens <b>GD</b> <sup>3</sup> Grille with diffuse vertical lens	<b>1</b> Type I <b>2</b> Type II <b>3</b> Type III <b>3HS</b> Type III + House side shield <b>4</b> Type IV <b>5</b> Type V	<b>12L-010-AMB</b> <sup>11</sup> 14W, Monochromatic Amber <b>12L-010-3K7</b> 14W (1000 nominal lm), 3000K, 70 CRI <b>12L-010-4K7</b> 14W (1000 nominal lm), 4000K, 70 CRI <b>12L-010-5K7</b> 14W (1000 nominal lm), 5000K, 70 CRI <b>12L-020-AMB</b> <sup>11</sup> 22W, Monochromatic Amber <b>12L-020-3K7</b> 22W (2000 nominal lm), 3000K, 70 CRI <b>12L-020-4K7</b> 22W (2000 nominal lm), 4000K, 70 CRI <b>12L-020-5K7</b> 22W (2000 nominal lm), 5000K, 70 CRI Consult factory for other CCTs (2700K - 6500K) and CRIs (80, 90 CRI)

Body	Fixture Finish	Control Options	Voltage	Options
<b>24A</b> 24" OAH, Aluminum	<b>BLS</b> Black Gloss Smooth	<b>MW</b> <sup>6</sup> Motion sensing (50% dim, 100% output upon detection)	<b>UNV</b> 120-277V	<b>EM</b> <sup>8</sup> Battery Backup
<b>42A</b> 42" OAH, Aluminum	<b>BLT</b> Black Matte Textured	<b>NXW</b> NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor	<b>120</b> <sup>7</sup> 120V	<b>LR</b> <sup>9</sup> Luminous Accent
<b>42BR-C</b> 42" OAH, Brown Concrete	<b>DBS</b> Dark Bronze Gloss Smooth		<b>277</b> <sup>7</sup> 208-277V	<b>SF</b> <sup>10</sup> Single Fuse
<b>42CH-C</b> 42" OAH, Charcoal Concrete	<b>DBT</b> Dark Bronze Matte Textured		<b>347</b> <sup>7</sup> 347V	<b>DF</b> <sup>10</sup> Double Fuse
<b>42NG-C</b> 42" OAH, Natural Gray Concrete	<b>DBT</b> Dark Bronze Matte Textured		<b>480</b> <sup>7</sup> 480V	
<b>42WH-C</b> 42" OAH, White Concrete	<b>GTT</b> Graphite Matte Textured			
<b>42A-ROP</b> <sup>4</sup> 42" OAH, Aluminum + Dual Receptacle Outlet Panel and Cover	<b>LGS</b> Light Grey Gloss Smooth			
<b>42A-ROP-L</b> <sup>4</sup> 42" OAH, Aluminum + Dual Receptacle Outlet Panel and Locking Cover	<b>LGT</b> Light Grey Matte Textured			
<b>42A-2GEB</b> 42" OAH, Aluminum + Integral Recessed 2 Gang Electrical Box	<b>PSS</b> Platinum Silver Gloss Smooth			
<b>42A-SG3</b> 42" OAH, Aluminum + Speaker Grille Enclosure for 3" Ø speaker	<b>VGT</b> Verde Green Matte Textured			
<b>44A</b> 44" Non-Impact Resistant OAH, Aluminum	<b>WHS</b> White Gloss Smooth			
<b>44A-ROP</b> 44" Non-Impact Resistant OAH, Aluminum + Dual Receptacle Outlet Panel and Cover	<b>WHT</b> White Matte Textured			
<b>44A-ROP-L</b> 44" Non-Impact Resistant OAH, Aluminum + Dual Receptacle Outlet Panel and Locking Cover	<b>Color Option</b>			
<b>44A-2GEB</b> 44" Non-Impact Resistant OAH, Aluminum + Integral Recessed 2 Gang Electrical Box	<b>CC</b> <sup>12</sup> Custom Color			
<b>44A-SG3</b> 44" Non-Impact Resistant OAH, Aluminum + Speaker Grille Enclosure for 3" Ø speaker				

- 1 Adds .6 / 15mm to OAH (over all height).
- 2 CL and DL configurations shall be IK04
- 3 Only Available with 1 Type I or 5 Type V distributions only.
- 4 For GFCI/USB limited voltage to 120VAC only.
- 6 24'Ø typical coverage area, not available with CH.
- 7 Dedicated input voltage, required for MW Motions sensing.
- 8 0°C min starting temperature, 90+ minute run time, output equivalent to 12L-010-#K7
- 9 Adds +5 watts and 1" / 254mm to overall height.
- 10 SF for 120, 277 and 347 input voltage, DF for 208, 240 and 480 input voltage.
- 11 Turtle friendly
- 12 Consult factory for custom color, marine and corrosive finish options
- 13 5-step MacAdam Ellipse Binning standard. Consult factory for 3-step MacAdam Ellipse Binning.





DATE:	LOCATION:
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# PA7R

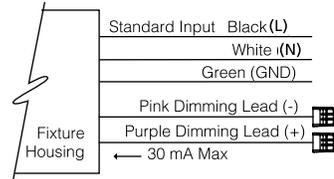
BOLLARD

## SPECIFICATIONS CONT'D

CATALOG #:

### CONTROLS

- Standard fixtures dimming range shall be from 10% to 100% and be compatible with 0-10V, user-defined, control devices



- Optional motion sensor shall be capable of detecting motion 360° around the bollard. When no motion is detected for the specified time, the sensor wattage to factory preset level, reducing the light level accordingly. When motion is detected by the sensor, the bollard shall return to full wattage and full light output. Please contact KIM Lighting if project requirements vary from standard configuration

### WIRELESS CONTROLS

#### BLUETOOTH®:

- The Integral module shall enable the adjustment of the Luminous Accent to dim or change color to the desired setting when paired with RGBW Remote App via cellular/tablet device
- The integral module shall be compatible with Bluetooth Low Energy (BLE) or Bluetooth® Smart mobile devices operating on iOS or Android Gingerbread operating systems or newer
- Mobile App. dimming range from 0% to 100% through the use of RGBW app (available on IOS and Android)
- Color selection and adjustment
- Camera function for color matching
- Intensity slider for dimming/ramping up
- Save and rename up to 10 presets
- Group and rename fixtures
- Fixture is password protected, refer to instructions to set unique password

### DMX:

- 6 wires: Red (DMX+), Brown (DMX-), Yellow (DMX Ground), Black (Line Voltage), White (common), and Green (Ground)
- Single DMX universe with six slots/addresses of virtual control which are pre-programmed at the factory:
  - DMX slot/address 1 = red
  - DMX slot/address 2 = green
  - DMX slot/address 3 = blue
  - DMX slot/address 4 = white
- Fully DMX RDM compatible
- Mobile App specification in additional information section

### NX

- Luminaires enabled with NX Lighting Controls wireless radios create an intelligent mesh network with the interior controls. Groups are dimmed via an astronomical time clock and schedules can be updated at any time with the Bluetooth® commissioning app. Contact factory for more information

### OPTIONAL BACKUP BATTERY

- Integral battery backup provides emergency path of egress lighting for the required 90 minutes for 0°C ambient environments

### CAUTION:

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

### CERTIFICATIONS AND LISTINGS

- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- IP65 rated
- IEC 66262 Mechanical Impact Code IK10

- IDA approved, 3000K and warmer CCTs only
- RoHS compliant

### WARRANTY

- 5 year warranty
- See HLI Standard Warranty for additional information



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currentlighting.com/kimlighting

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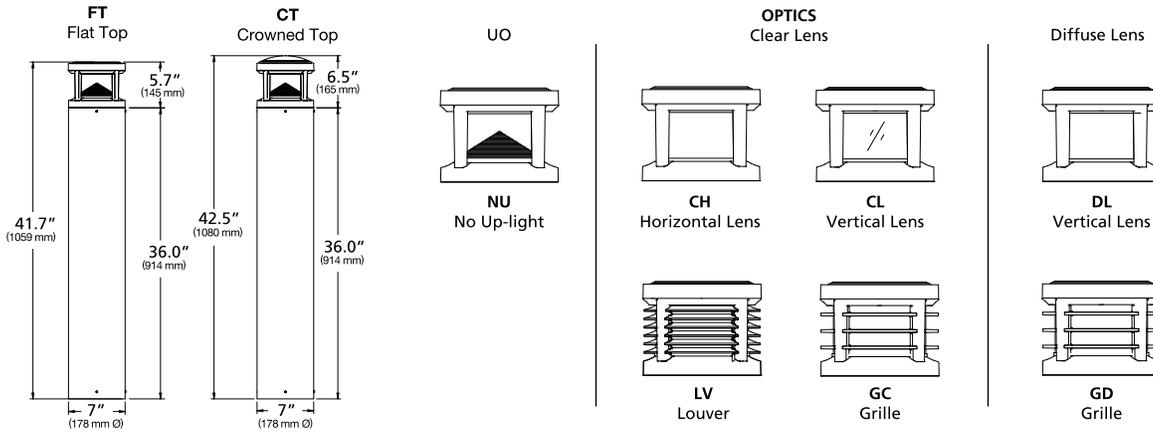
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CATALOG #: \_\_\_\_\_

**PA7R**  
BOLLARD

**DIMENSIONS**



**DELIVERED LUMENS**

Drive Current	LEDs #	Nominal Watts	Nominal Lumens	Lens Options	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI						
						Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
							B	U	G			B	U	G			B	U	G	
550mA	12L	22	2,000	NU UO Optics	1	1044	0	0	0	48	1136	0	0	0	52	1164	0	0	0	54
					2	1199	0	0	0	55	1305	0	0	0	60	1336	0	0	0	62
					3	1128	0	0	1	52	1228	0	0	1	57	1257	0	0	1	58
					3HS	953	0	0	0	44	1037	0	0	0	48	1062	0	0	1	49
					4	1362	0	0	0	63	1482	0	0	1	68	1518	0	0	1	70
				5	1265	1	0	0	58	1377	1	0	0	63	1410	1	0	0	65	
				CH Clear Horizontal Lens	1	1778	0	3	1	82	1935	0	3	1	89	1981	0	3	1	91
					2	1711	1	3	1	79	1862	1	3	1	86	1906	1	3	1	88
					3	1643	1	3	1	76	1788	1	3	1	82	1831	1	3	1	84
					3HS	1443	0	3	1	66	1570	0	3	1	72	1608	0	3	1	74
					4	1731	0	3	1	80	1884	0	3	1	87	1929	0	3	1	89
				5	1841	1	3	1	85	2003	1	3	1	92	2051	1	3	1	95	
				CL Clear Vertical Lens	1	1852	0	4	1	85	2016	1	4	1	93	2064	1	4	1	95
					2	1984	1	3	1	91	2159	1	3	1	99	2211	1	3	1	102
					3	2062	1	3	1	95	2244	1	3	1	103	2298	1	3	1	106
					3HS	1665	0	3	1	77	1811	0	3	1	83	1855	0	3	1	85
					4	2055	0	3	1	95	2236	1	3	1	103	2290	1	3	1	106
				5	2109	1	3	1	97	2295	1	3	1	106	2350	1	3	1	108	



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**PA7R**  
BOLLARD

**DELIVERED LUMENS (CONTINUED)**

Drive Current	LEDs #	Nominal Watts	Nominal Lumens	Lens Options	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
						Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
							B	U	G			B	U	G			B	U	G	
550mA	12L	22	2,000	DL Diffused Vertical Lens	1	1639	1	3	2	76	1783	1	3	2	82	1826	1	3	2	84
					5	1721	1	3	2	79	1873	1	3	2	86	1918	1	3	2	88
				LV External Louvers	1	746	0	3	1	34	811	1	3	1	37	831	1	3	1	38
					2	814	1	3	1	37	885	1	3	1	41	907	1	3	1	42
					3	838	1	3	1	39	912	1	3	1	42	934	1	3	1	43
					3HS	605	0	3	1	28	658	0	3	1	30	674	0	3	1	31
					4	879	0	3	1	41	956	1	3	1	44	979	1	3	1	45
					5	888	1	3	1	41	966	1	3	1	45	989	1	3	1	46
				GC Grill with Clear Lens	1	1038	0	3	1	48	1130	0	3	1	52	1157	0	3	1	53
					2	1021	0	3	1	47	1111	1	3	1	51	1138	1	3	1	52
					3	1024	0	3	1	47	1114	1	3	1	51	1141	1	3	1	53
					3HS	854	0	3	1	39	930	0	3	1	43	952	0	3	1	44
					4	1109	0	3	1	51	1207	0	3	1	56	1236	0	3	1	57
					5	1037	1	3	1	48	1128	1	3	1	52	1155	1	3	1	53
				GD Grill with Diffused Lens	1	1036	0	3	1	48	1127	1	3	2	52	1154	1	3	2	53
					5	953	1	3	1	44	1037	1	3	1	48	1062	1	3	1	49



DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

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CATALOG #: \_\_\_\_\_

**PA7R**  
BOLLARD

**DELIVERED LUMENS (CONTINUED)**

Drive Current	LEDs #	Nominal Watts	Nominal Lumens	Lens Options	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
						Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
							B	U	G			B	U	G			B	U	G	
350mA	12L	14	1,000	NU U0 Optics	1	749	0	0	0	54	815	0	0	0	59	835	0	0	0	60
					2	860	0	0	0	62	936	0	0	0	67	958	0	0	0	69
					3	809	0	0	0	58	881	0	0	0	63	902	0	0	0	65
					3HS	684	0	0	0	49	744	0	0	0	53	762	0	0	0	55
					4	977	0	0	0	70	1063	0	0	0	76	1089	0	0	0	78
					5	908	1	0	0	65	988	1	0	0	71	1011	1	0	0	73
				CH Clear Horizontal Lens	1	1184	0	3	1	85	1288	0	3	1	92	1319	0	3	1	95
					2	1139	0	3	1	82	1239	0	3	1	89	1269	0	3	1	91
					3	1094	0	3	1	79	1190	0	3	1	85	1219	0	3	1	87
					3HS	960	0	3	1	69	1045	0	3	1	75	1070	0	3	1	77
					4	1152	0	3	1	83	1254	0	3	1	90	1284	0	3	1	92
					5	1225	1	3	1	88	1333	1	3	1	96	1365	1	3	1	98
				CL Clear Vertical Lens	1	1146	0	3	1	82	1247	0	3	1	90	1277	0	3	1	92
					2	1228	0	3	1	88	1336	1	3	1	96	1368	1	3	1	98
					3	1276	0	3	1	92	1389	1	3	1	100	1422	1	3	1	102
					3HS	1030	0	3	1	74	1121	0	3	1	80	1148	0	3	1	82
					4	1272	0	3	1	91	1384	0	3	1	99	1417	0	3	1	102
					5	1305	1	3	1	94	1420	1	3	1	102	1454	1	3	1	104
				DL Diffused Vertical Lens	1	1086	0	3	1	78	1182	0	3	1	85	1210	0	3	1	87
					5	1141	1	3	1	82	1241	1	3	1	89	1271	1	3	1	91



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**PA7R**  
BOLLARD

**DELIVERED LUMENS (CONTINUED)**

Drive Current	LEDs #	Nominal Watts	Nominal Lumens	Lens Options	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI						
						Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
							B	U	G			B	U	G			B	U	G	
350mA	12L	14	1,000	LV External Louvers	1	489	0	3	1	35	533	0	3	1	38	545	0	3	1	39
					2	534	0	3	1	38	581	0	3	1	42	595	0	3	1	43
					3	550	0	3	1	40	599	0	3	1	43	613	0	3	1	44
					3HS	397	0	3	1	29	432	0	3	1	31	442	0	3	1	32
					4	577	0	3	1	41	628	0	3	1	45	643	0	3	1	46
				5	583	1	3	1	42	634	1	3	1	46	649	1	3	1	47	
				GC Grill with Clear Lens	1	843	0	3	1	61	917	0	3	1	66	939	0	3	1	67
					2	829	0	3	1	60	903	0	3	1	65	924	0	3	1	66
					3	831	0	3	1	60	905	0	3	1	65	926	0	3	1	67
					3HS	694	0	3	1	50	755	0	3	1	54	773	0	3	1	56
					4	901	0	3	1	65	980	0	3	1	70	1004	0	3	1	72
				5	842	1	3	1	60	916	1	3	1	66	938	1	3	1	67	
				GD Grill with Diffused Lens	1	728	0	3	1	52	792	0	3	1	57	811	0	3	1	58
					5	782	1	3	1	56	851	1	3	1	61	872	1	3	1	63



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# PA7R

BOLLARD

## PHOTOMETRY

### PA7R-CH1-12L-020-4K7

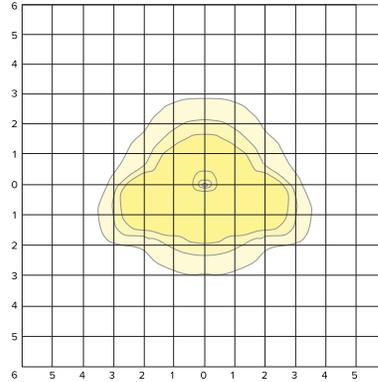
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1935
Watts	22
Efficacy	88.0
IES Type	II
BUG Rating	B0-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1132	81.8%
Downward House Side	251	18.1%
Downward Total	1384	71%
Upward Street Side	348	63%
Upward House Side	205	37%
Upward Total	553	29%
Total Flux	1937	100%

#### ISOFOOT CANDLE PLOT



### PA7R-CH2-12L-020-4K7

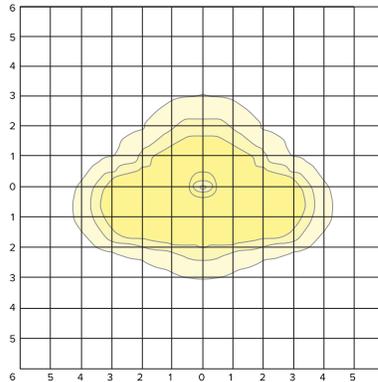
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1862
Watts	22
Efficacy	85.0
IES Type	II
BUG Rating	B1-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1176	78.7%
Downward House Side	319	21.3%
Downward Total	1494	80%
Upward Street Side	220	60%
Upward House Side	149	40%
Upward Total	369	20%
Total Flux	1863	100%

#### ISOFOOT CANDLE PLOT



### PA7R-CH3-12L-020-4K7

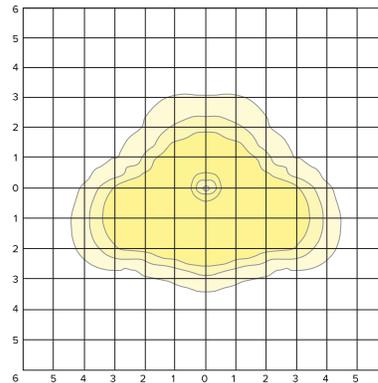
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1788
Watts	21.76
Efficacy	82.0
IES Type	III
BUG Rating	B1-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1184	80.3%
Downward House Side	290	19.7%
Downward Total	1474	82%
Upward Street Side	185	59%
Upward House Side	130	41%
Upward Total	315	18%
Total Flux	1789	100%

#### ISOFOOT CANDLE PLOT



TYPE OBA



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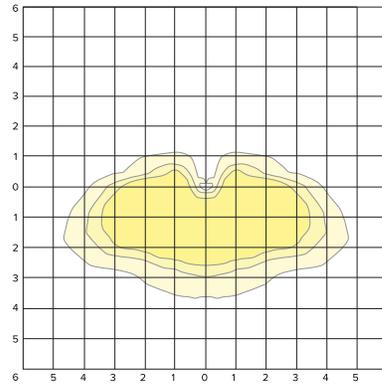
## PHOTOMETRY

### PA7R-CH3HS-12L-020-4K7

#### LUMINAIRE DATA

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>1570</b>
Watts	<b>21.64</b>
Efficacy	<b>73.0</b>
IES Type	<b>III</b>
BUG Rating	<b>B0-U3-G1</b>
Mounting Height	<b>3.5 ft</b>
Grid Scale	<b>6 ft</b>

#### ISOFOOT CANDLE PLOT



#### ZONAL LUMEN SUMMARY

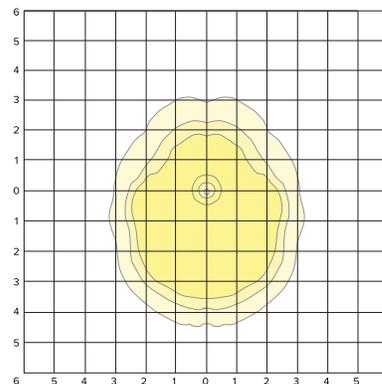
Zone	Lumens	% Luminaire
Downward Street Side	1187	92.0%
Downward House Side	103	8.0%
Downward Total	1290	82%
Upward Street Side	230	82%
Upward House Side	51	18%
Upward Total	282	18%
Total Flux	1571	100%

### PA7R-CH4-12L-020-4K7

#### LUMINAIRE DATA

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>1884</b>
Watts	<b>21.73</b>
Efficacy	<b>87.0</b>
IES Type	<b>IV</b>
BUG Rating	<b>B0-U3-G1</b>
Mounting Height	<b>3.5 ft</b>
Grid Scale	<b>6 ft</b>

#### ISOFOOT CANDLE PLOT



TYPE OBB

#### ZONAL LUMEN SUMMARY

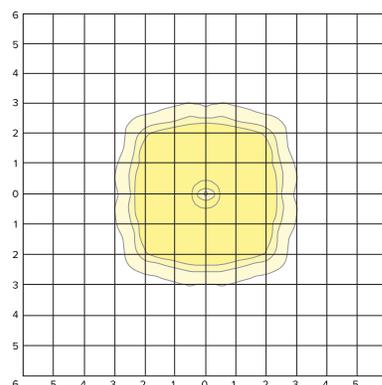
Zone	Lumens	% Luminaire
Downward Street Side	1316	84.0%
Downward House Side	250	16.0%
Downward Total	1566	83%
Upward Street Side	184	58%
Upward House Side	136	42%
Upward Total	319	17%
Total Flux	1885	100%

### PA7R-CH5-12L-020-4K7

#### LUMINAIRE DATA

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>2003</b>
Watts	<b>21.73</b>
Efficacy	<b>92.0</b>
IES Type	<b>VS</b>
BUG Rating	<b>B1-U3-G1</b>
Mounting Height	<b>3.5 ft</b>
Grid Scale	<b>6 ft</b>

#### ISOFOOT CANDLE PLOT



#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	825	50.0%
Downward House Side	825	50.0%
Downward Total	1650	82%
Upward Street Side	177	50%
Upward House Side	177	50%
Upward Total	354	18%
Total Flux	2004	100%



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## PHOTOMETRY

### PA7R-CL1-12L-020-4K7

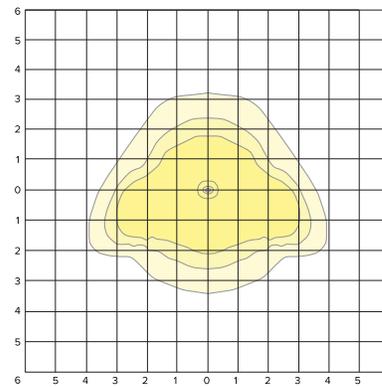
#### LUMINAIRE DATA

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>2016</b>
Watts	<b>21.7</b>
Efficacy	<b>93.0</b>
IES Type	<b>II</b>
BUG Rating	<b>B1-U4-G1</b>
Mounting Height	<b>3.5 ft</b>
Grid Scale	<b>6 ft</b>

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1078	77.5%
Downward House Side	312	22.5%
Downward Total	1390	69%
Upward Street Side	373	59%
Upward House Side	254	41%
Upward Total	627	31%
Total Flux	2017	100%

#### ISOFOOT CANDLE PLOT



### PA7R-CL2-12L-020-4K7

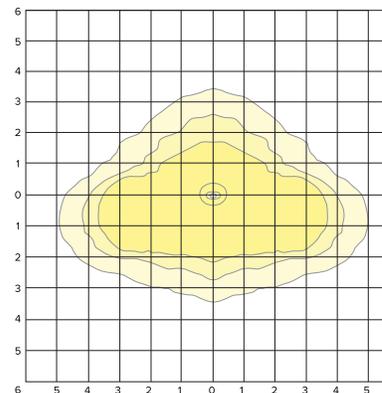
#### LUMINAIRE DATA

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>2159</b>
Watts	<b>21.69</b>
Efficacy	<b>100.0</b>
IES Type	<b>II</b>
BUG Rating	<b>B1-U3-G1</b>
Mounting Height	<b>3.5 ft</b>
Grid Scale	<b>6 ft</b>

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1325	77.5%
Downward House Side	384	22.5%
Downward Total	1709	79%
Upward Street Side	258	57%
Upward House Side	193	43%
Upward Total	451	21%
Total Flux	2160	100%

#### ISOFOOT CANDLE PLOT



### PA7R-CL3-12L-020-4K7

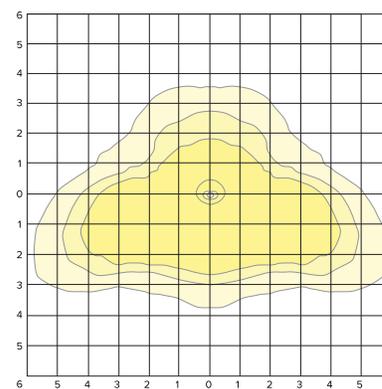
#### LUMINAIRE DATA

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>2244</b>
Watts	<b>21.72</b>
Efficacy	<b>103.0</b>
IES Type	<b>III</b>
BUG Rating	<b>B1-U3-G1</b>
Mounting Height	<b>3.5 ft</b>
Grid Scale	<b>6 ft</b>

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1472	80.0%
Downward House Side	367	20.0%
Downward Total	1839	82%
Upward Street Side	231	57%
Upward House Side	175	43%
Upward Total	406	18%
Total Flux	2245	100%

#### ISOFOOT CANDLE PLOT





DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

# PA7R

BOLLARD

## PHOTOMETRY

### PA7R-CL3HS-12L-020-4K7

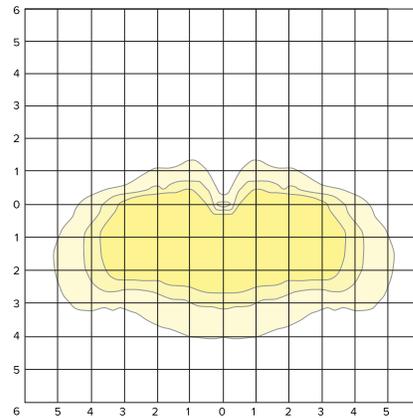
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1811
Watts	21.7
Efficacy	83.0
IES Type	III
BUG Rating	B0-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1361	92.0%
Downward House Side	118	8.0%
Downward Total	1479	82%
Upward Street Side	277	83%
Upward House Side	56	17%
Upward Total	334	18%
Total Flux	1812	100%

#### ISOFOOT CANDLE PLOT



### PA7R-CL4-12L-020-4K7

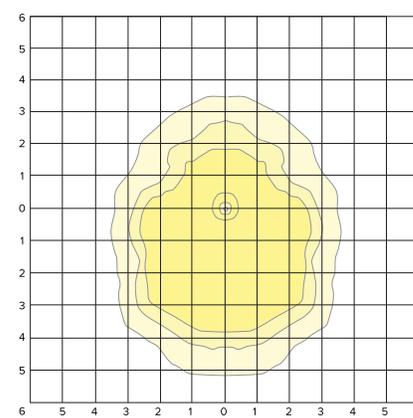
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	2236
Watts	21.71
Efficacy	103.0
IES Type	IV
BUG Rating	B1-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1552	84.9%
Downward House Side	275	15.0%
Downward Total	1827	82%
Upward Street Side	230	56%
Upward House Side	180	44%
Upward Total	410	18%
Total Flux	2237	100%

#### ISOFOOT CANDLE PLOT



### PA7R-CL5-12L-020-4K7

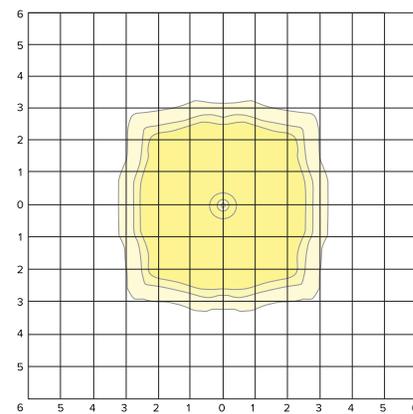
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	2296
Watts	21.75
Efficacy	106.0
IES Type	VS
BUG Rating	B1-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	937	50.0%
Downward House Side	937	50.0%
Downward Total	1874	82%
Upward Street Side	211	50%
Upward House Side	211	50%
Upward Total	422	18%
Total Flux	2296	100%

#### ISOFOOT CANDLE PLOT





DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

# PA7R

BOLLARD

## PHOTOMETRY

### PA7R-DL1-12L-020-4K7

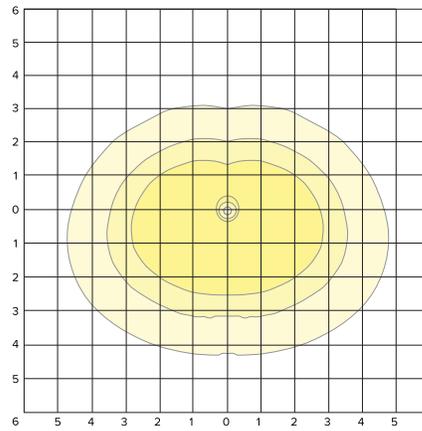
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1783
Watts	21.74
Efficacy	82.0
IES Type	IV
BUG Rating	B1-U3-G2
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	746	66.2%
Downward House Side	381	33.8%
Downward Total	1127	63%
Upward Street Side	408	62%
Upward House Side	248	38%
Upward Total	657	37%
Total Flux	1784	100%

#### ISOFOOT CANDLE PLOT



### PA7R-DL5-12L-020-4K7

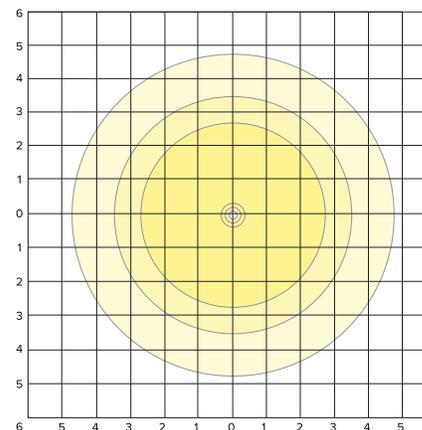
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1873
Watts	21.75
Efficacy	86.0
IES Type	VS
BUG Rating	B1-U3-G2
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	656	50.0%
Downward House Side	656	50.0%
Downward Total	1313	70%
Upward Street Side	281	50%
Upward House Side	281	50%
Upward Total	561	30%
Total Flux	1874	100%

#### ISOFOOT CANDLE PLOT



### PA7R-GC1-12L-020-4K7

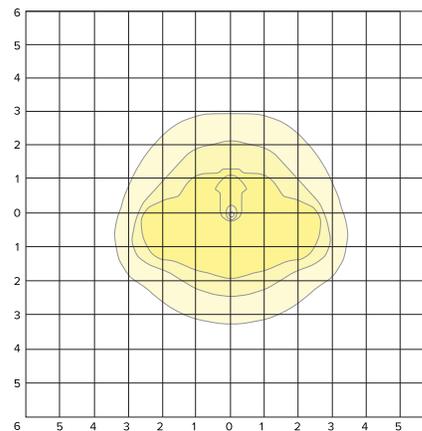
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1130
Watts	21.73
Efficacy	52.0
IES Type	II
BUG Rating	B0-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	434	67.6%
Downward House Side	208	32.4%
Downward Total	642	57%
Upward Street Side	298	61%
Upward House Side	191	39%
Upward Total	489	43%
Total Flux	1131	100%

#### ISOFOOT CANDLE PLOT





DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

# PA7R

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## PHOTOMETRY

### PA7R-GC2-12L-020-4K7

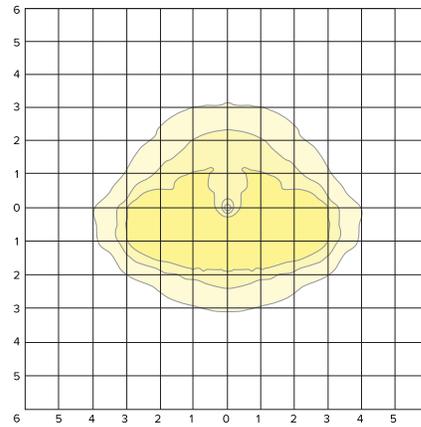
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1111
Watts	21.59
Efficacy	51.0
IES Type	II
BUG Rating	B1-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	488	68.3%
Downward House Side	227	31.7%
Downward Total	715	64%
Upward Street Side	238	60%
Upward House Side	159	40%
Upward Total	397	36%
Total Flux	1112	100%

#### ISOFOOT CANDLE PLOT



### PA7R-GC3-12L-020-4K7

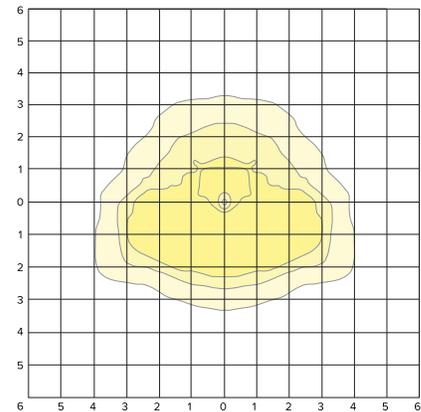
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1114
Watts	21.7
Efficacy	51.0
IES Type	II
BUG Rating	B1-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	513	69.8%
Downward House Side	221	30.1%
Downward Total	735	66%
Upward Street Side	234	62%
Upward House Side	146	38%
Upward Total	380	34%
Total Flux	1114	100%

#### ISOFOOT CANDLE PLOT



### PA7R-GC3HS-12L-020-4K7

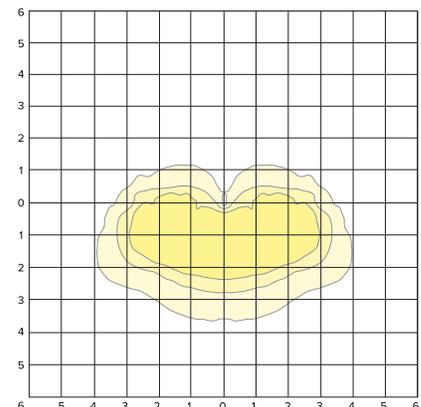
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	930
Watts	21.59
Efficacy	43.0
IES Type	III
BUG Rating	B0-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	533	87.1%
Downward House Side	79	12.8%
Downward Total	612	66%
Upward Street Side	265	83%
Upward House Side	54	17%
Upward Total	319	34%
Total Flux	931	100%

#### ISOFOOT CANDLE PLOT





DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

# PA7R

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## PHOTOMETRY

### PA7R-GC4-12L-020-4K7

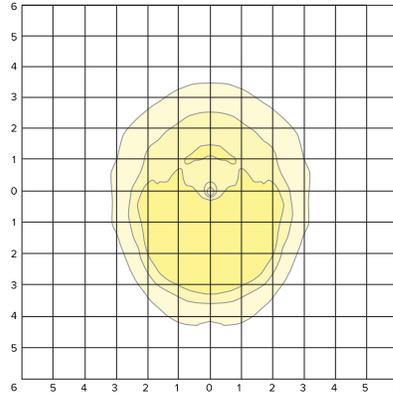
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1207
Watts	21.59
Efficacy	56.0
IES Type	IV
BUG Rating	B0-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	591	74.2%
Downward House Side	205	25.8%
Downward Total	796	66%
Upward Street Side	267	65%
Upward House Side	146	35%
Upward Total	412	34%
Total Flux	1208	100%

#### ISOFOOT CANDLE PLOT



### PA7R-GC5-12L-020-4K7

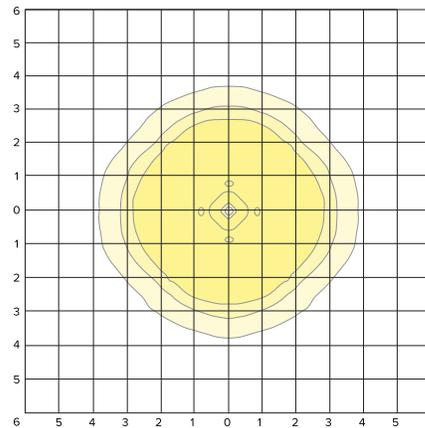
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1128
Watts	21.59
Efficacy	52.0
IES Type	VS
BUG Rating	B1-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	382	50.0%
Downward House Side	382	50.0%
Downward Total	764	68%
Upward Street Side	183	50%
Upward House Side	183	50%
Upward Total	365	32%
Total Flux	1129	100%

#### ISOFOOT CANDLE PLOT



### PA7R-GD1-12L-020-4K7

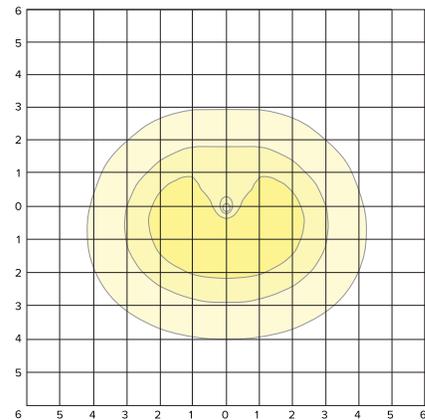
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1127
Watts	21.71
Efficacy	51.9
IES Type	IV
BUG Rating	B1-U3-G2
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	407	62.8%
Downward House Side	241	37.2%
Downward Total	648	57%
Upward Street Side	287	60%
Upward House Side	193	40%
Upward Total	479	43%
Total Flux	1127	100%

#### ISOFOOT CANDLE PLOT





DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

# PA7R

BOLLARD

## PHOTOMETRY

### PA7R-GD5-12L-020-4K7

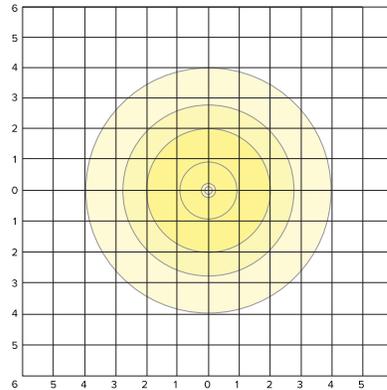
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1037
Watts	21.6
Efficacy	48.0
IES Type	VS
BUG Rating	B1-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	309	50.0%
Downward House Side	309	50.0%
Downward Total	618	60%
Upward Street Side	210	50%
Upward House Side	210	50%
Upward Total	420	40%
Total Flux	1038	100%

#### ISOFOOT CANDLE PLOT



### PA7R-LV1-12L-020-4K7

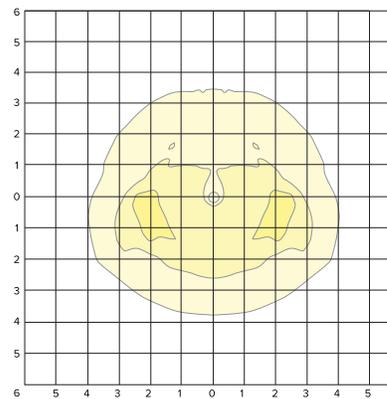
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	811
Watts	21.73
Efficacy	37.0
IES Type	II
BUG Rating	B1-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	303	57.7%
Downward House Side	222	42.2%
Downward Total	526	65%
Upward Street Side	160	56%
Upward House Side	126	44%
Upward Total	286	35%
Total Flux	812	100%

#### ISOFOOT CANDLE PLOT



### PA7R-LV2-12L-020-4K7

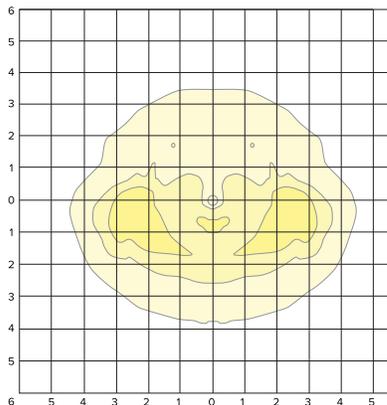
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	885
Watts	21.68
Efficacy	41.0
IES Type	II
BUG Rating	B1-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	378	61.9%
Downward House Side	233	38.1%
Downward Total	611	69%
Upward Street Side	158	58%
Upward House Side	116	42%
Upward Total	274	31%
Total Flux	885	100%

#### ISOFOOT CANDLE PLOT





DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

# PA7R

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## PHOTOMETRY

### PA7R-LV3-12L-020-4K7

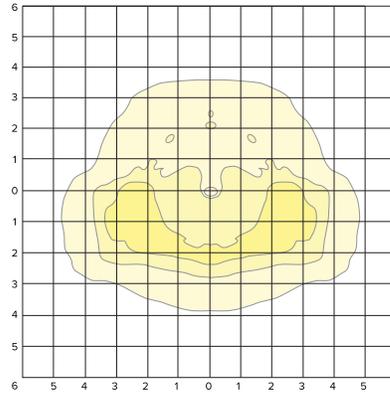
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	912
Watts	21.69
Efficacy	42.0
IES Type	III
BUG Rating	B1-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	414	63.7%
Downward House Side	233	35.8%
Downward Total	650	71%
Upward Street Side	154	59%
Upward House Side	109	41%
Upward Total	263	29%
Total Flux	913	100%

#### ISOFOOT CANDLE PLOT



### PA7R-LV3HS-12L-020-4K7

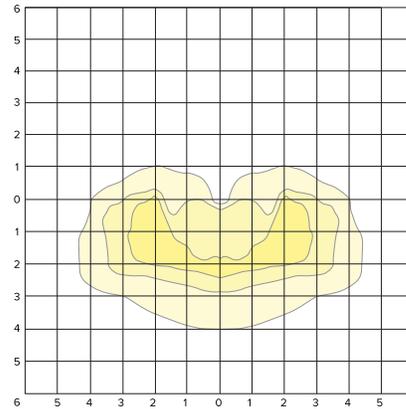
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	658
Watts	21.69
Efficacy	30.0
IES Type	III
BUG Rating	B0-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	383	82.5%
Downward House Side	81	17.5%
Downward Total	464	71%
Upward Street Side	155	80%
Upward House Side	39	20%
Upward Total	194	29%
Total Flux	658	100%

#### ISOFOOT CANDLE PLOT



### PA7R-LV4-12L-020-4K7

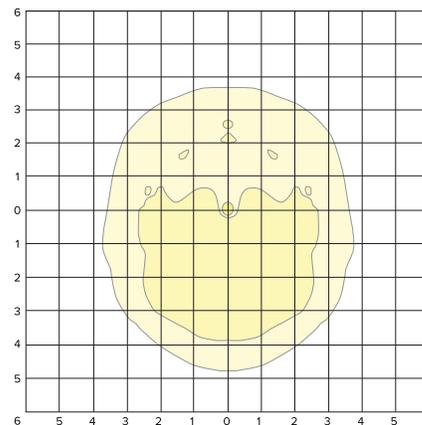
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	956
Watts	21.69
Efficacy	44.0
IES Type	IV
BUG Rating	B1-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	454	67.5%
Downward House Side	219	32.5%
Downward Total	673	70%
Upward Street Side	176	62%
Upward House Side	107	38%
Upward Total	283	30%
Total Flux	956	100%

#### ISOFOOT CANDLE PLOT





DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

# PA7R

BOLLARD

## PHOTOMETRY

### PA7R-LV5-12L-020-4K7

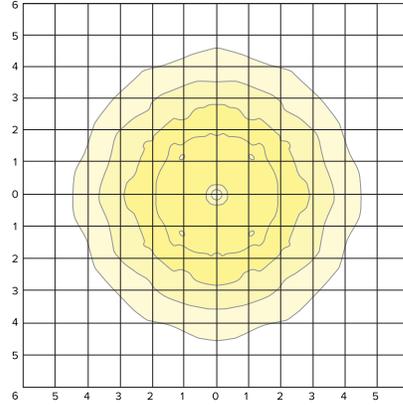
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	966
Watts	21.7
Efficacy	45.0
IES Type	VS
BUG Rating	B1-U3-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	354	50.0%
Downward House Side	354	50.0%
Downward Total	708	73%
Upward Street Side	129	50%
Upward House Side	129	50%
Upward Total	259	27%
Total Flux	967	100%

#### ISOFOOT CANDLE PLOT



### PA7R-NU1-12L-020-4K7

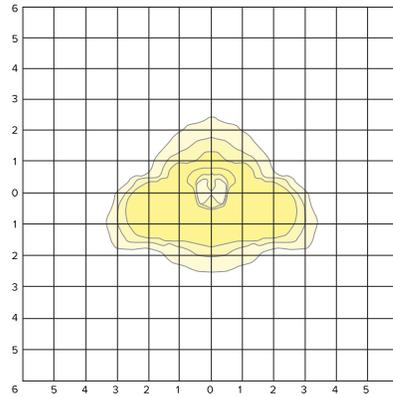
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1136
Watts	21.75
Efficacy	52.0
IES Type	I
BUG Rating	B0-U0-G0
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	986	86.7%
Downward House Side	151	13.3%
Downward Total	1137	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	1137	100%

#### ISOFOOT CANDLE PLOT



### PA7R-NU2-12L-020-4K7

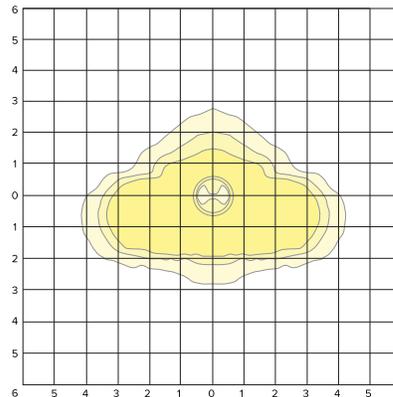
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1305
Watts	21.74
Efficacy	60.0
IES Type	II
BUG Rating	B0-U0-G0
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1073	82.2%
Downward House Side	233	17.8%
Downward Total	1306	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	1306	100%

#### ISOFOOT CANDLE PLOT





DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

# PA7R

BOLLARD

## PHOTOMETRY

### PA7R-NU3-12L-020-4K7

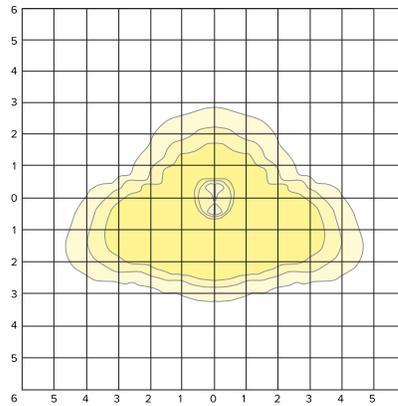
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1228
Watts	21.76
Efficacy	56.0
IES Type	III
BUG Rating	B0-U0-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1035	84.3%
Downward House Side	194	15.8%
Downward Total	1228	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	1228	100%

#### ISOFOOT CANDLE PLOT



### PA7R-NU3HS-12L-020-4K7

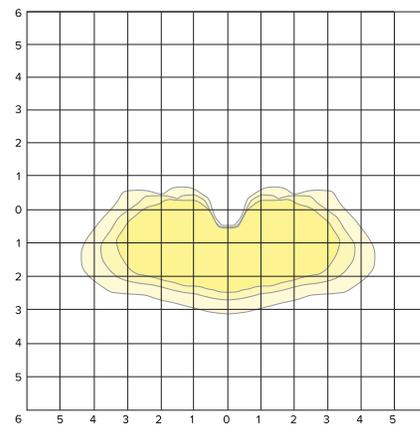
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1037
Watts	21.74
Efficacy	48.0
IES Type	III
BUG Rating	B0-U0-G0
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	987	95.1%
Downward House Side	51	4.9%
Downward Total	1038	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	1038	100%

#### ISOFOOT CANDLE PLOT



### PA7R-NU4-12L-020-4K7

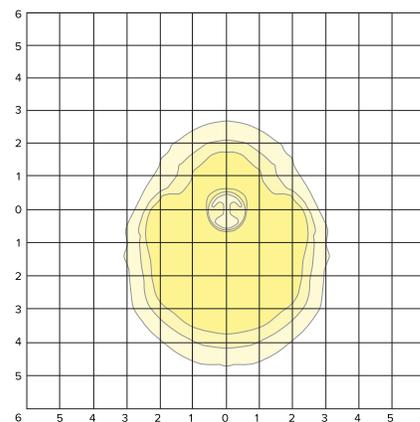
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1482
Watts	21.67
Efficacy	68.0
IES Type	IV
BUG Rating	B0-U0-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1318	88.9%
Downward House Side	164	11.1%
Downward Total	1483	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	1483	100%

#### ISOFOOT CANDLE PLOT





DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

# PA7R

BOLLARD

## PHOTOMETRY(CONTINUED)

PA7R-NU5-12L-020-4K7

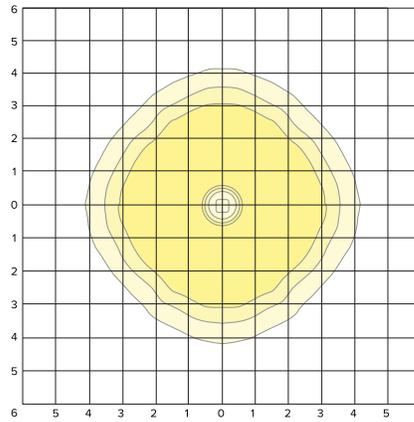
### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1377
Watts	21.68
Efficacy	63.0
IES Type	VS
BUG Rating	B1-U0-G0
Mounting Height	3.5 ft
Grid Scale	6 ft

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	689	50.0%
Downward House Side	689	50.0%
Downward Total	1377	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	1377	100%

### ISOFOOT CANDLE PLOT





DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

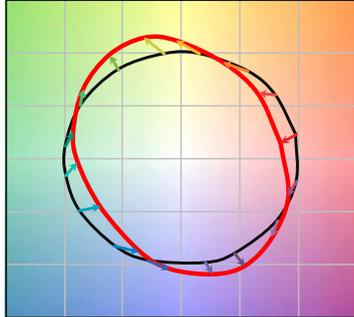
TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

**PA7R**  
BOLLARD

**TM-30 DATA**

**COLOR VECTOR GRAPHIC**

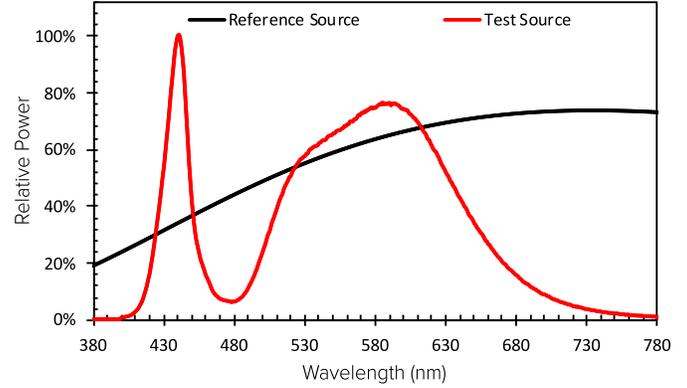


— Reference Illuminant — Test Source

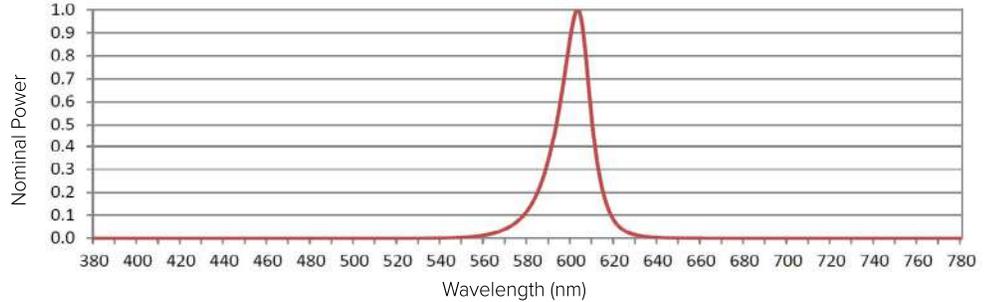
**TEST SOURCE**

R <sub>f</sub>	68
R <sub>g</sub>	99
CCT(K)	3947
D <sub>uv</sub>	0.0004
x	0.3831
y	0.3793
CIE R <sub>a</sub>	72

**SPECTRAL POWER DISTRIBUTION COMPARISON**



**AMBER SPECTRAL POWER DISTRIBUTION**



**ELECTRICAL DATA**

# LED	Electrical											Dimming					
	System Watts	Drive Current	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Source current out of 0-10V		Absolute voltage range on 0-10V (+)	
			VAC	Hz	120	208	240	277	347	480				Min	Max	Min	Max
12	22	550mA	120-480	50/60	0.18	0.11	0.09	0.08	0.06	0.05	>0.9	20	10% to 100%	0mA	1mA	0V	10V
	14	350mA			0.12	0.07	0.06	0.05	0.04	0.03							

TM-21 Lifetime Calculation - Projected Lumen Maintenance (25°C / 77°C) & (40°C / 104°C)						
Hours	0	25,000	36,000	50,000	100,000	Reported L70
Projected Lumen Maintenance	100%	98%	97%	95%	90%	60khrs

CRI Lumen Multiplier 80 and 90 CRI		
CCT	80 CRI	90 CRI
2700K	0.859	0.655
3000K	0.9119	0.7033
3500K	0.906	0.732
4000K	0.8941	0.734
5000K	0.879	0.7712
Scaling factor of 5000K 70CRI lumen packages		



DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

# PA7R

BOLLARD

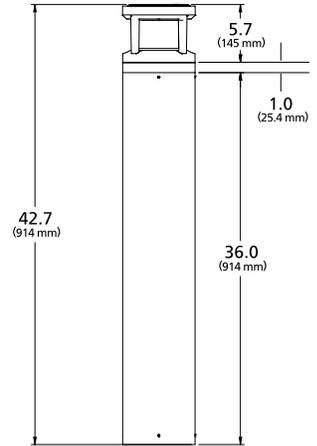
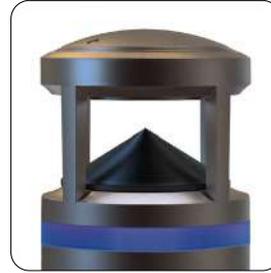
## ADDITIONAL INFORMATION

### LUMINOUS ACCENT:

- The Luminous Accent option adds an additional 1" / 25.4mm to the overall fixture height and may be controlled via wired DMX RDM or Bluetooth® wireless. The Luminous Accent shall be IK08.

### RGBW REMOTE APP

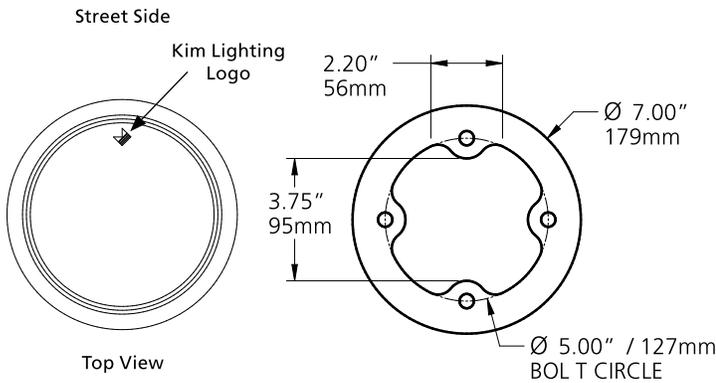
- The RGBW Remote application may be downloaded free of charge from the Apple App Store or Google Play.
- Color selection and adjustment.
- Camera function for color matching.
- Intensity slider for dimming/ramping up.
- Save and rename up to 10 presets.
- Group and rename fixtures.
- Fixture is password protected, refer to instructions to set unique password.



### MOUNTING

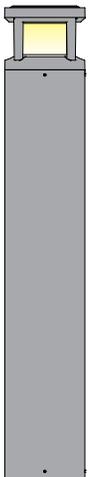
#### ALUMINUM BODY

- Once attached to base mounting plate, fixture may be rotated 20° in either direction and secured with set screws at base of the bollard body. KIM Lighting logo indicates 'street side' output.



### SHIELDING

- HS configurations feature factory installed 180° shield(s) that may also be installed in the field for any Optic configuration.



HS Front View



HS Side View



HS Back View



DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

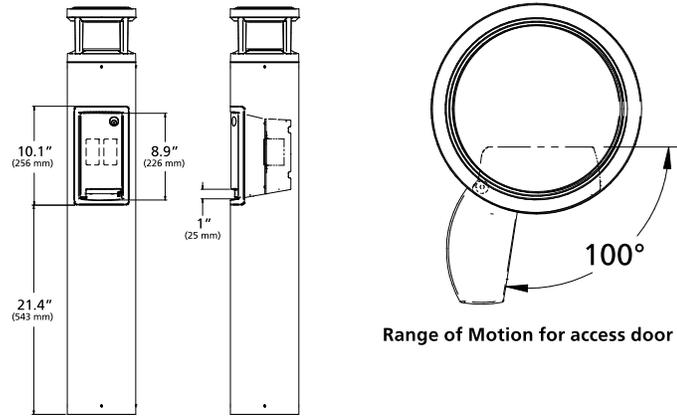
CATALOG #: \_\_\_\_\_

**PA7R**  
BOLLARD

**ADDITIONAL INFORMATION (CONTINUED)**

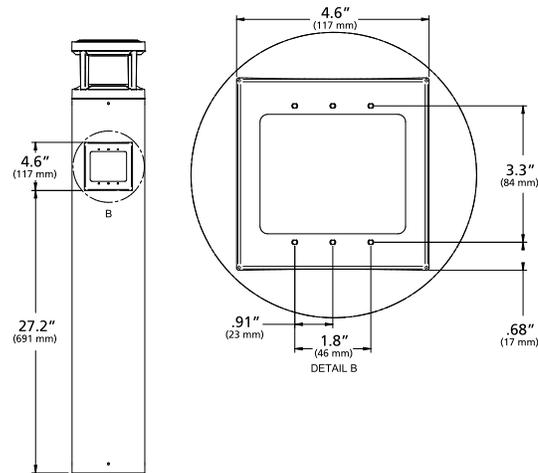
**RECEPTACLE OUTLET PANEL**

- The Receptacle outlet panel shall be NEMA 3R rated for wet location(s) while in use and shall be compatible with any single receptacle outlet device with standard mounting holes. Door shall be self-closing. Tamper resistant lock must be specified at time of order. Devices and device wiring by others.



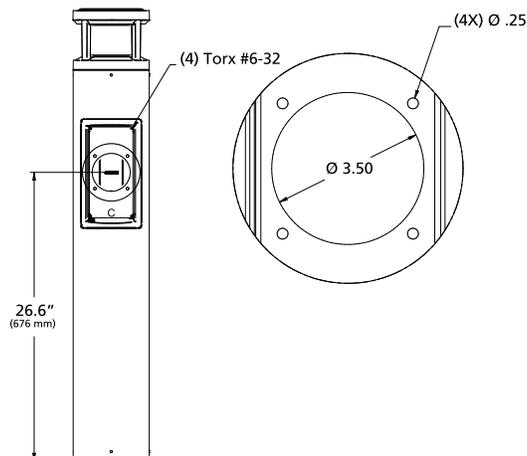
**INTEGRAL ELECTRICAL BOX**

- The integral 2 Gang electrical box shall be 3" deep and have standard mounting holes for installing either a single receptacle outlet device or a pair of single receptacle outlet device. Devices, device wiring, device hardware and bezel by others.



**SPEAKER GRILLE ENCLOSURE**

- The speaker grille enclosure shall accommodate a 3"Ø marine grade speaker rated for outdoor use. Grille shall be secured with (4) Torx # screws for accessibility. Mounting provisions as shown. Speaker, mounting bracket/hardware and wiring by others.





**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : PA7R-NU3-12L-010-4K7.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST]  
 [TESTLAB] CURRENT  
 [ISSUE DATE] 10/6/2017  
 [MANUFAC] KIM LIGHTING  
 [LUMCAT] PA7R-NU3-12L-010-4K7  
 [LUMINAIRE] PA7R  
 [LAMP] C-70-CRI  
 [MORE] DATA SHOWN IS ABSOLUTE.  
 [MORE] PRORATED FROM 5000K.  
 [\_SEARCH\_SOURCETYPE] LED  
 [\_SEARCH\_CRI] 70  
 [\_SEARCH\_COLORTEMP] 4000k  
 [\_SEARCH\_APPLICATION] Outdoor, Bollard, Amusement, Automotive, Commercial, Dock, Educational, Government,  
 [\_SEARCH\_MOUNTING] Bollard  
 [\_ABSOLUTELUMENS] 881

**CHARACTERISTICS**

IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	881
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	14.08
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	786
Maximum Candela Angle	60H 65V
Maximum Candela (<90 Degrees Vertical)	786
Maximum Candela Angle (<90 Degrees Vertical)	60H 65V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	96 (10.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

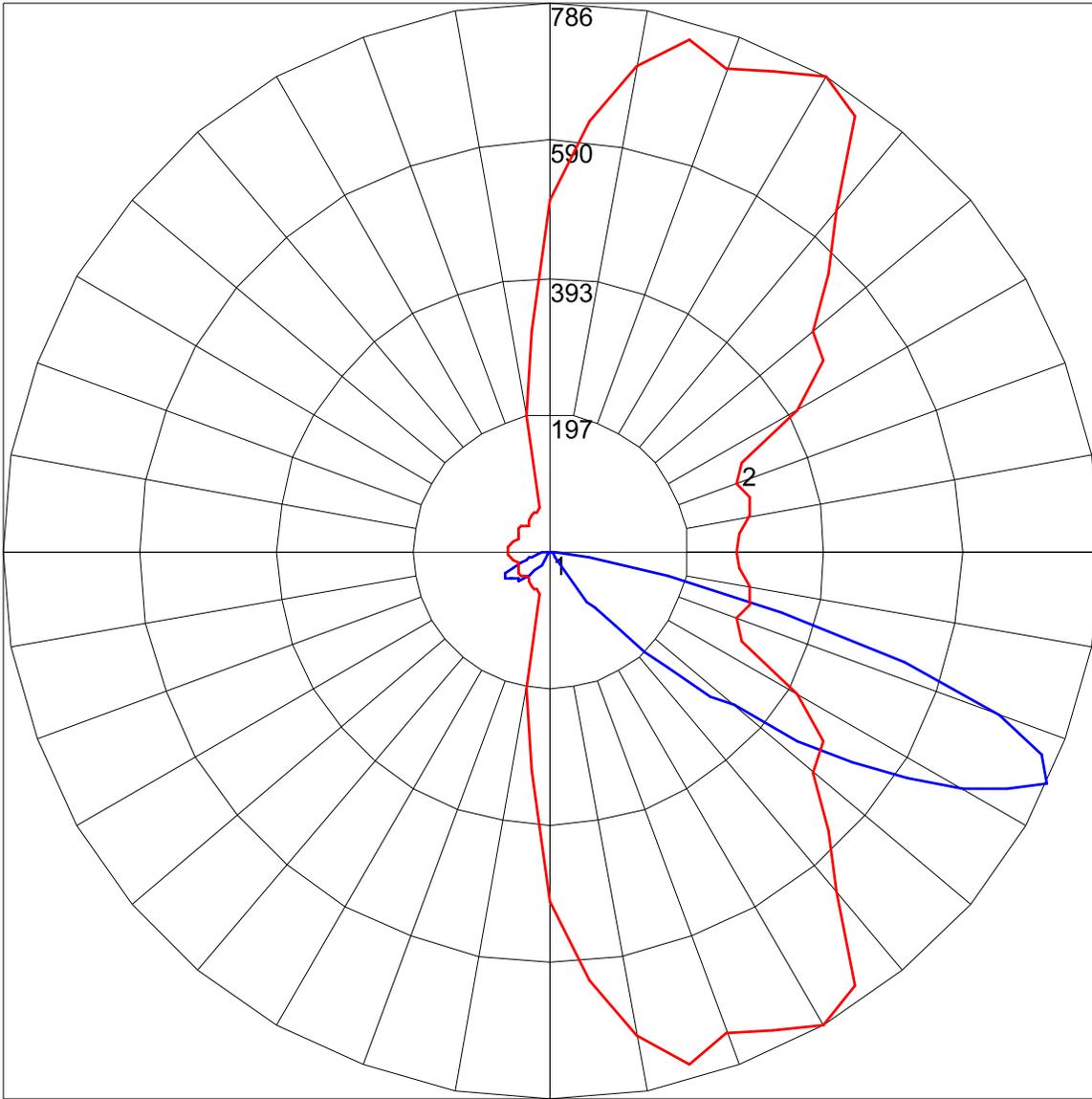
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : PA7R-NU3-12L-010-4K7.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1.4	N.A.	0.2
FM - Front-Medium (30-60)	383.0	N.A.	43.5
FH - Front-High (60-80)	341.0	N.A.	38.7
FVH - Front-Very High (80-90)	7.2	N.A.	0.8
BL - Back-Low (0-30)	1.1	N.A.	0.1
BM - Back-Medium (30-60)	78.0	N.A.	8.9
BH - Back-High (60-80)	64.8	N.A.	7.4
BVH - Back-Very High (80-90)	4.4	N.A.	0.5
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	880.9	N.A.	100.0
BUG Rating	B0-U0-G0		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : PA7R-NU3-12L-010-4K7.IES**

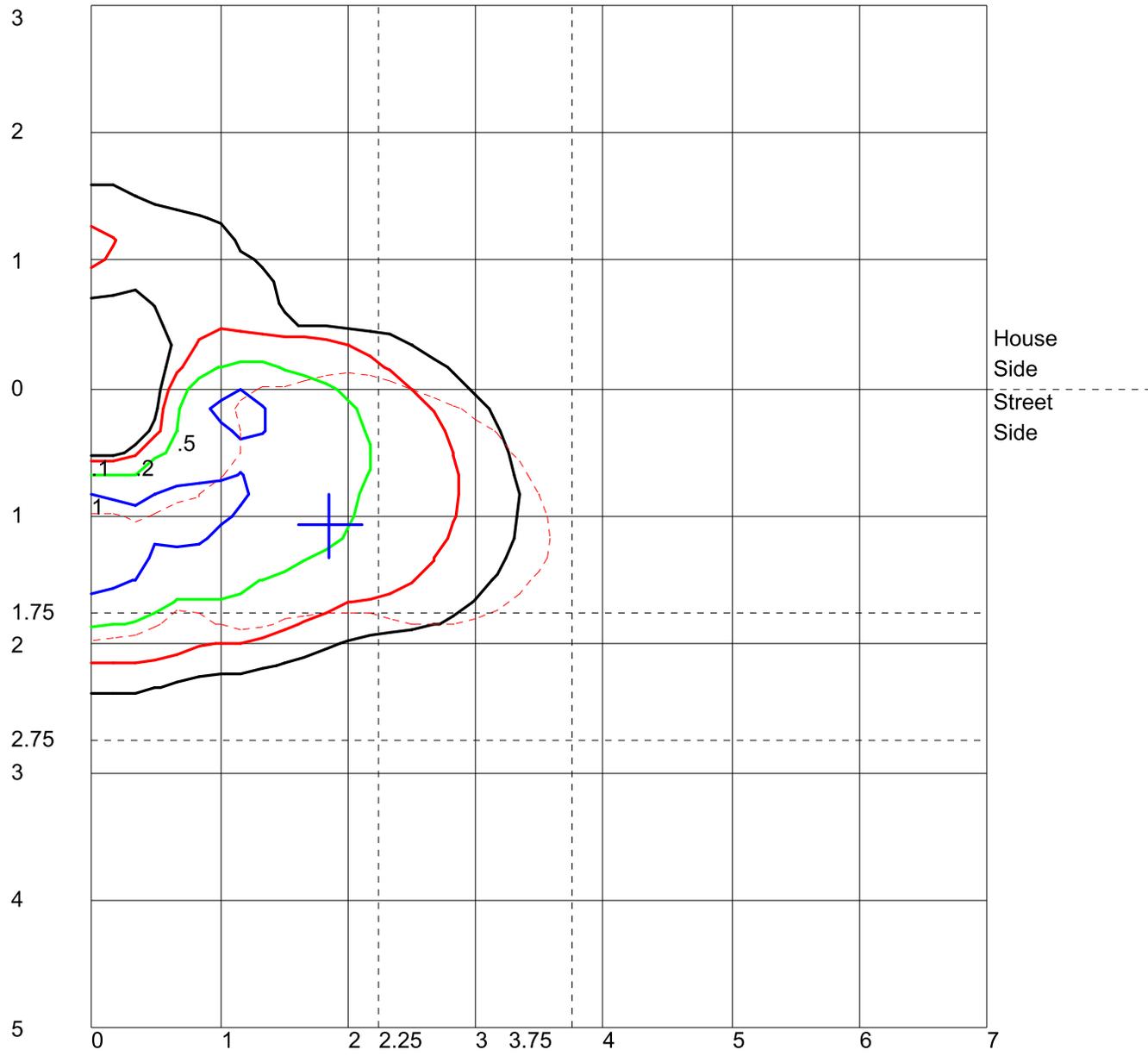
**POLAR GRAPH**



Maximum Candela = 786 Located At Horizontal Angle = 60, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : PA7R-NU3-12L-010-4K7.IES**

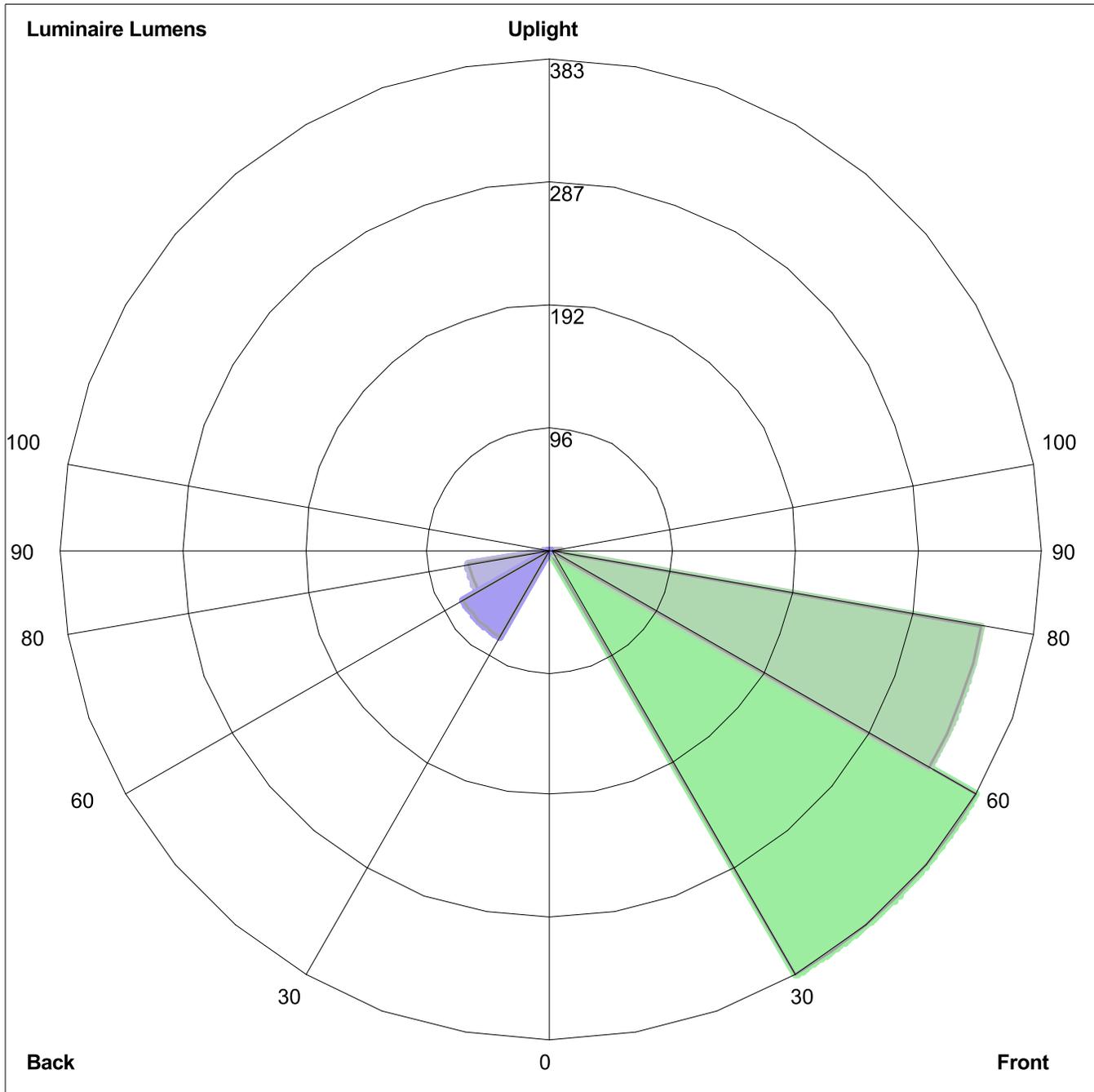
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE**



Distance In Units Of Mounting Height  
Values Based On 10 Foot Mounting Height  
1/2 Maximum Candela Trace Shown As Dashed Curve  
(+) = Maximum Candela Point

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : PA7R-NU3-12L-010-4K7.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**



Luminaire Lumens:  
Front: Low=1.4, Medium=383.0, High=341.0, Very High=7.2  
Back: Low=1.1, Medium=78.0, High=64.8, Very High=4.4  
Uplight: Low=0.0, High=0.0

BUG Rating : B0-U0-G0



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : PA7R-NU4-12L-010-4K7.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST]

[TESTLAB] CURRENT

[ISSUEDATE] 10/6/2017

[MANUFAC] KIM LIGHTING

[LUMCAT] PA7R-NU4-12L-010-4K7

[LUMINAIRE] PA7R

[LAMP] C-70-CRI

[MORE] DATA SHOWN IS ABSOLUTE.

[\_SEARCH\_SOURCETYPE] LED

[\_SEARCH\_CRI] 70

[\_SEARCH\_COLORTEMP] 4000k

[\_SEARCH\_APPLICATION] Outdoor, Bollard, Amusement, Automotive, Commercial, Dock, Educational, Government,

[\_SEARCH\_MOUNTING] Bollard

[\_ABSOLUTELUMENS] 1063

**CHARACTERISTICS**

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1063
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	14
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1489
Maximum Candela Angle	0H 65V
Maximum Candela (<90 Degrees Vertical)	1489
Maximum Candela Angle (<90 Degrees Vertical)	0H 65V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	95 (8.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

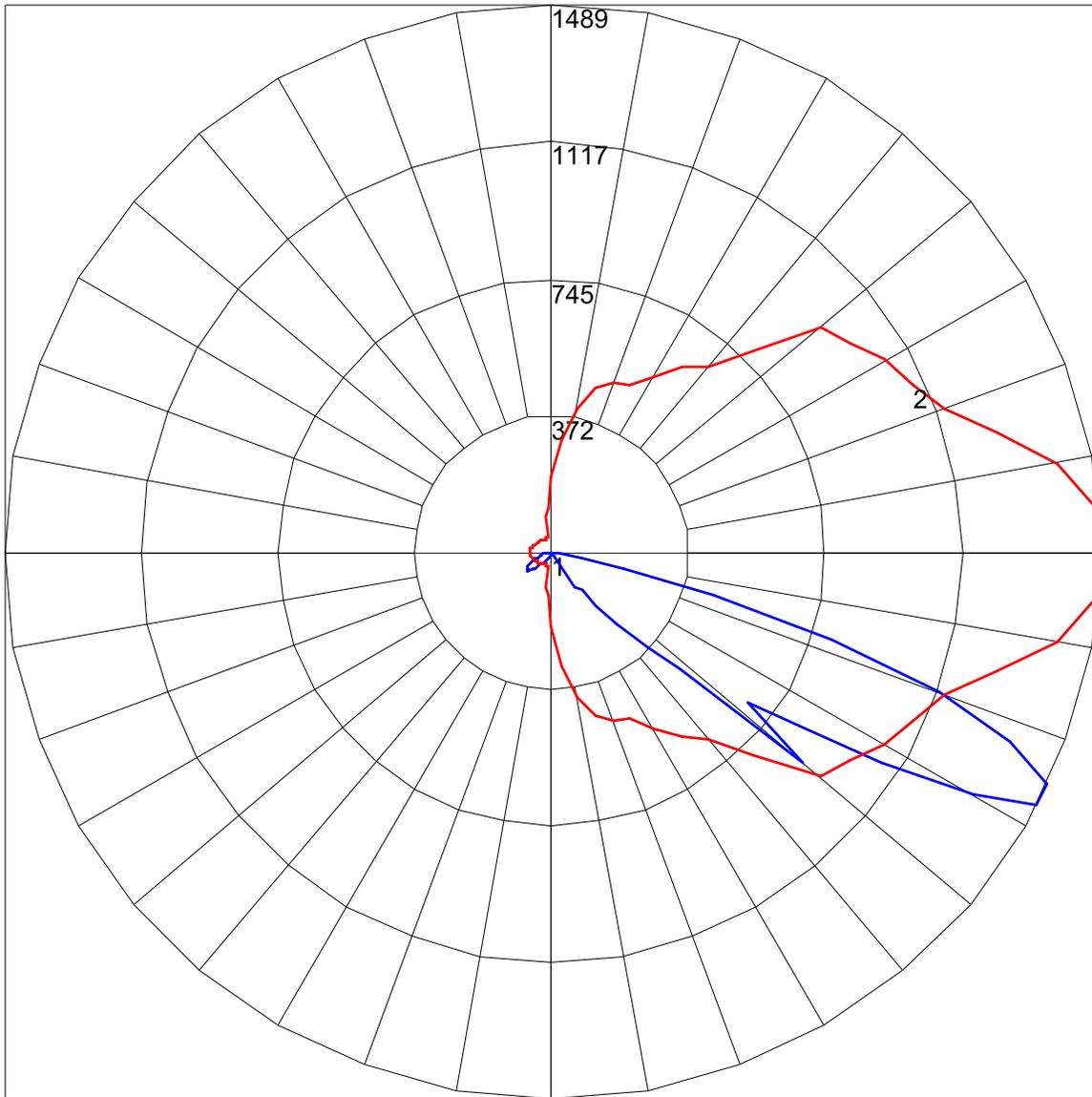
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : PA7R-NU4-12L-010-4K7.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1.3	N.A.	0.1
FM - Front-Medium (30-60)	434.8	N.A.	40.9
FH - Front-High (60-80)	501.8	N.A.	47.2
FVH - Front-Very High (80-90)	7.6	N.A.	0.7
BL - Back-Low (0-30)	1.3	N.A.	0.1
BM - Back-Medium (30-60)	71.2	N.A.	6.7
BH - Back-High (60-80)	41.7	N.A.	3.9
BVH - Back-Very High (80-90)	3.5	N.A.	0.3
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	1063.2	N.A.	100.0
BUG Rating	B0-U0-G0		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : PA7R-NU4-12L-010-4K7.IES**

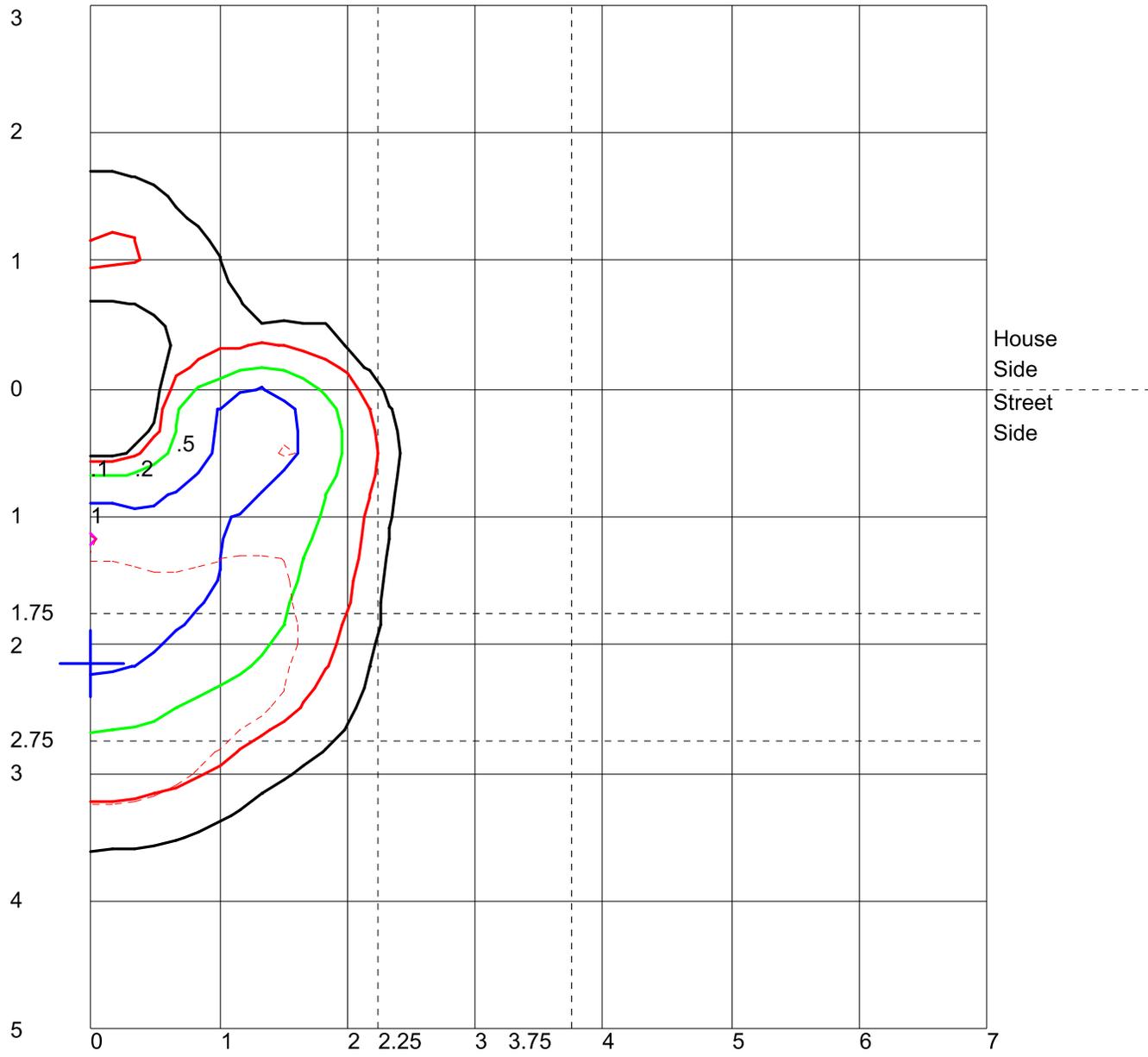
**POLAR GRAPH**



Maximum Candela = 1489 Located At Horizontal Angle = 0, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : PA7R-NU4-12L-010-4K7.IES**

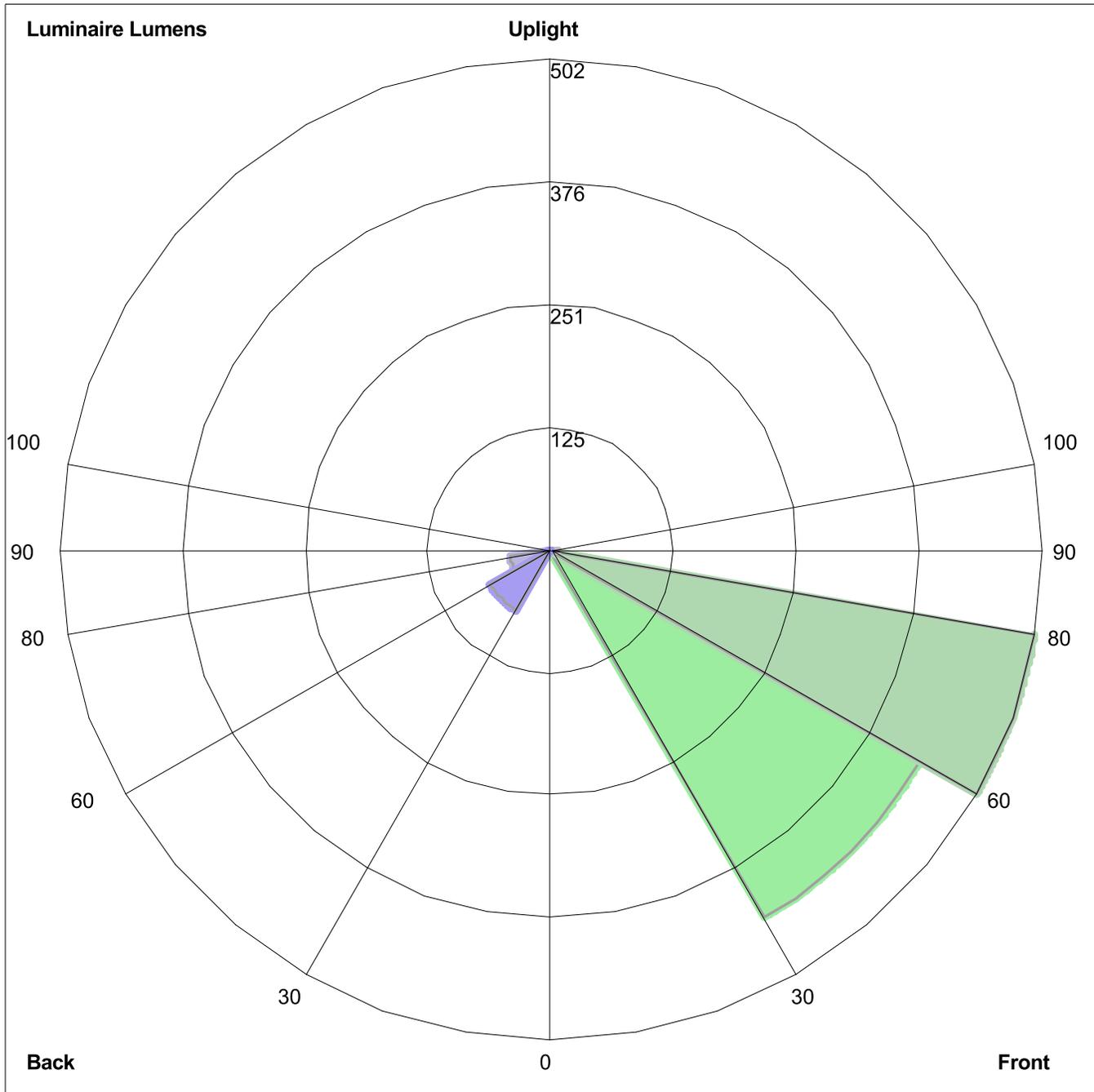
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE**



Distance In Units Of Mounting Height  
Values Based On 10 Foot Mounting Height  
1/2 Maximum Candela Trace Shown As Dashed Curve  
(+) = Maximum Candela Point

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : PA7R-NU4-12L-010-4K7.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**



Luminaire Lumens:  
Front: Low=1.3, Medium=434.8, High=501.8, Very High=7.6  
Back: Low=1.3, Medium=71.2, High=41.7, Very High=3.5  
Uplight: Low=0.0, High=0.0

BUG Rating : B0-U0-G0



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : PA7R-NU5-12L-010-4K7.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST]

[TESTLAB] LIGHT LABORATORY, INC. (FOR CURRENT)

[ISSUEDATE] 10/6/2017

[MANUFAC] KIM LIGHTING

[LUMCAT] PA7R-NU5-12L-010-4K7

[LUMINAIRE] PA7R

[LAMP] C-70-CRI

[MORE] DATA SHOWN IS ABSOLUTE.

[\_SEARCH\_SOURCETYPE] LED

[\_SEARCH\_CRI] 70

[\_SEARCH\_COLORTEMP] 4000k

[\_SEARCH\_APPLICATION] Outdoor, Bollard, Amusement, Automotive, Commercial, Dock, Educational, Government,

[\_SEARCH\_MOUNTING] Bollard

[\_ABSOLUTELUMENS] 988

**CHARACTERISTICS**

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	988
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	14
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	427
Maximum Candela Angle	5H 60V
Maximum Candela (<90 Degrees Vertical)	427
Maximum Candela Angle (<90 Degrees Vertical)	5H 60V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	28 (2.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

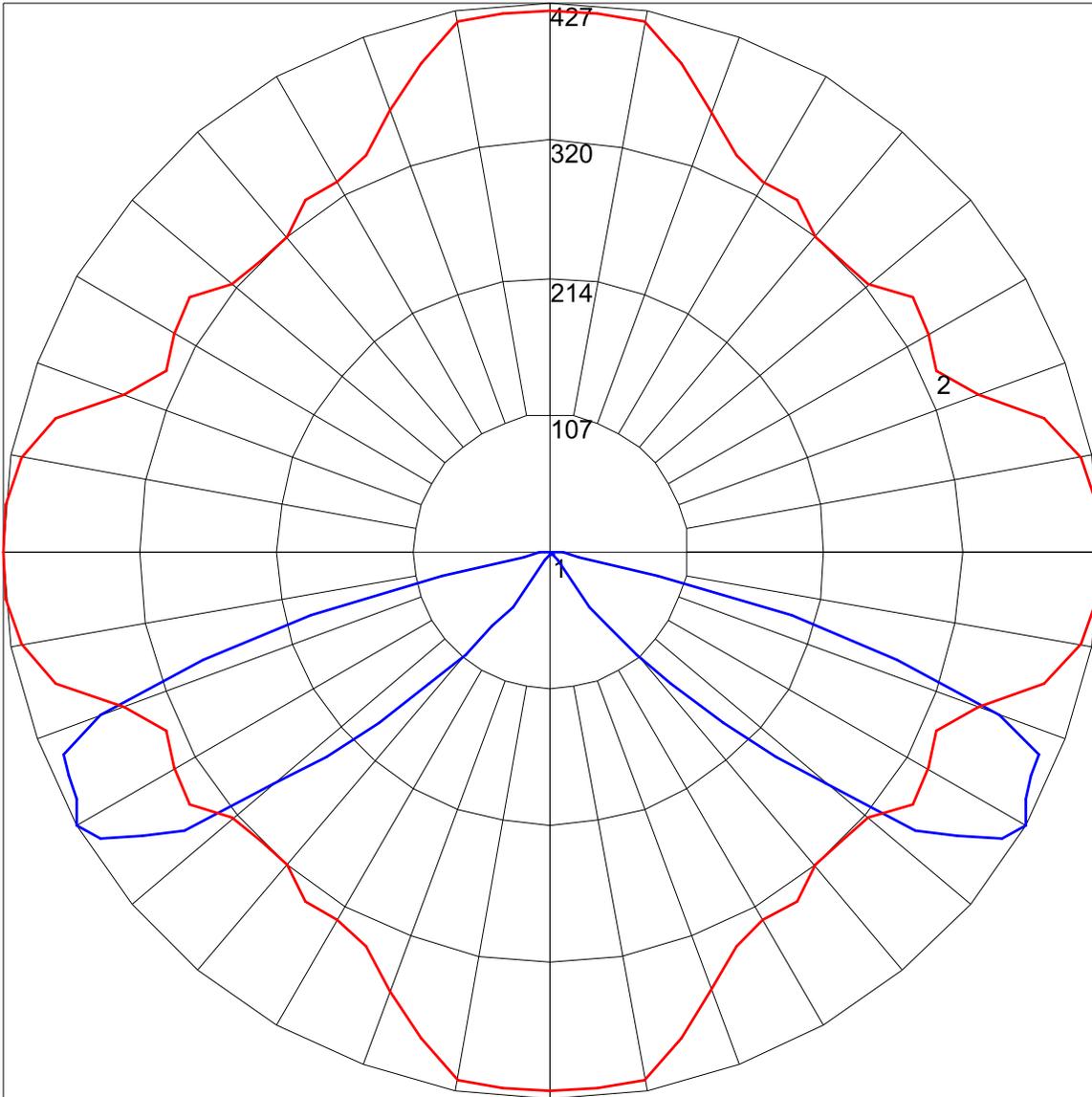
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : PA7R-NU5-12L-010-4K7.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1.4	N.A.	0.1
FM - Front-Medium (30-60)	225.2	N.A.	22.8
FH - Front-High (60-80)	261.5	N.A.	26.5
FVH - Front-Very High (80-90)	5.8	N.A.	0.6
BL - Back-Low (0-30)	1.4	N.A.	0.1
BM - Back-Medium (30-60)	225.2	N.A.	22.8
BH - Back-High (60-80)	261.5	N.A.	26.5
BVH - Back-Very High (80-90)	5.8	N.A.	0.6
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	987.8	N.A.	100.0
BUG Rating	B1-U0-G0		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : PA7R-NU5-12L-010-4K7.IES**

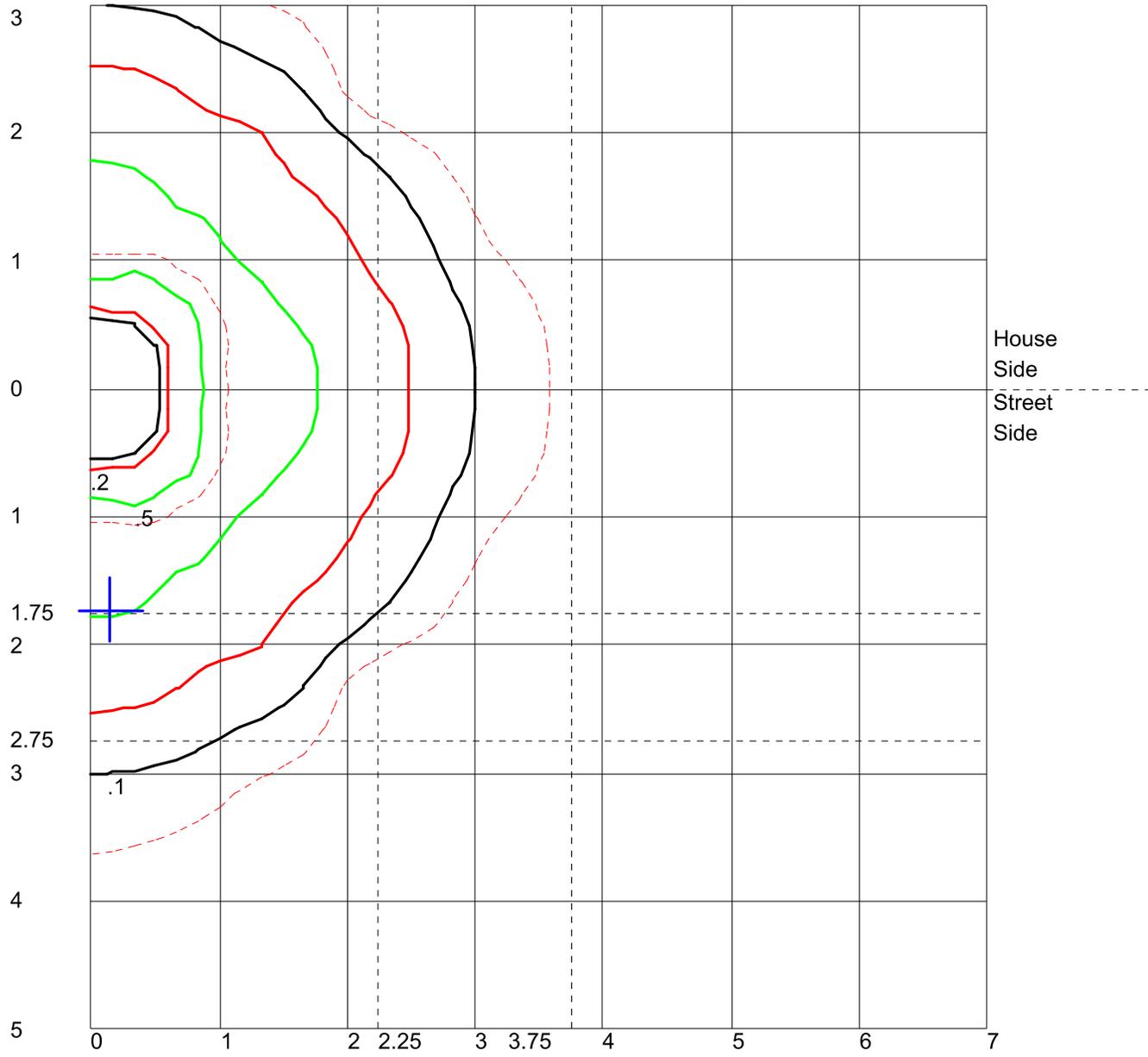
**POLAR GRAPH**



Maximum Candela = 427 Located At Horizontal Angle = 5, Vertical Angle = 60  
# 1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : PA7R-NU5-12L-010-4K7.IES**

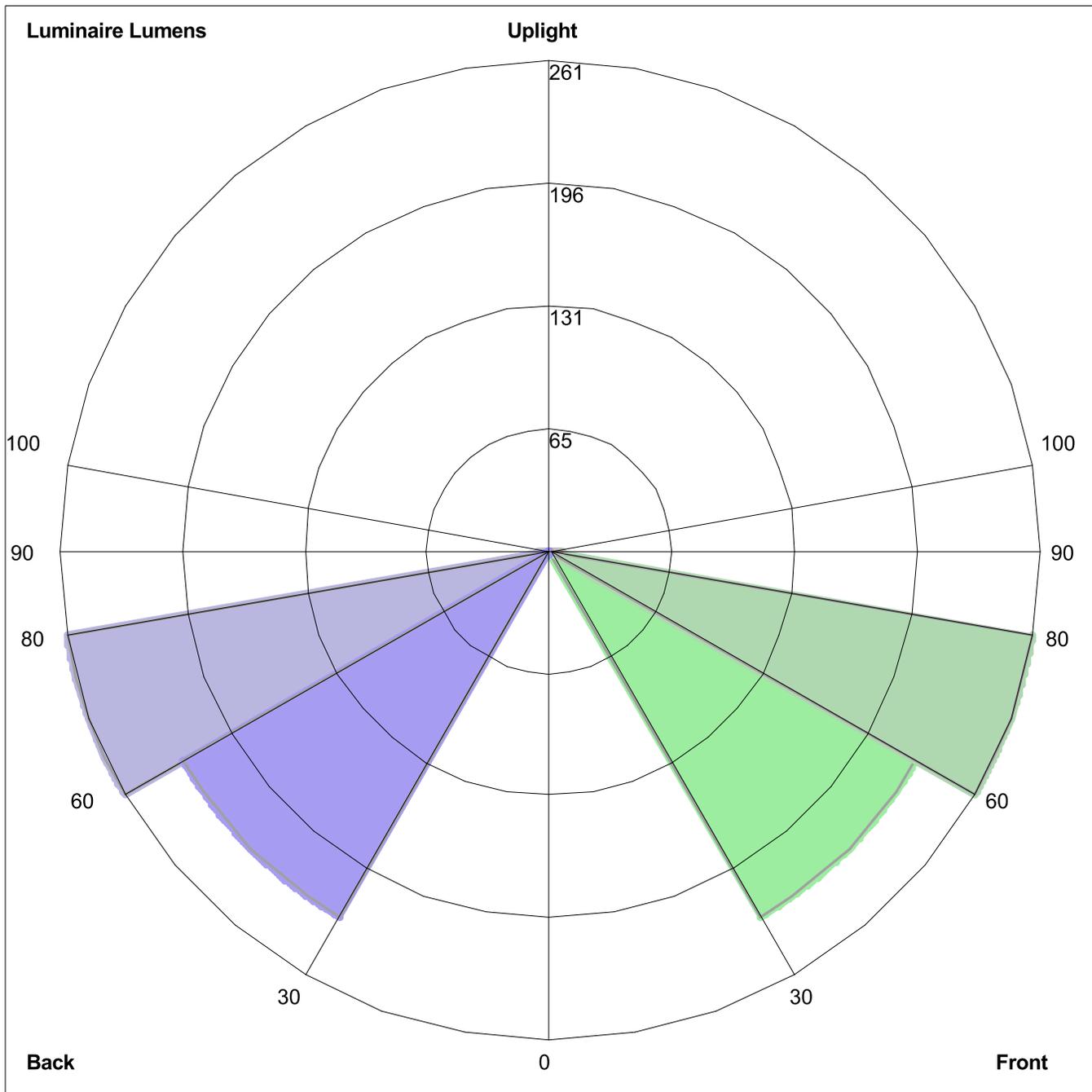
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE**



Distance In Units Of Mounting Height  
Values Based On 10 Foot Mounting Height  
1/2 Maximum Candela Trace Shown As Dashed Curve  
(+) = Maximum Candela Point

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : PA7R-NU5-12L-010-4K7.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**



Luminaire Lumens:  
Front: Low=1.4, Medium=225.2, High=261.5, Very High=5.8  
Back: Low=1.4, Medium=225.2, High=261.5, Very High=5.8  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0

CATSKILL LED (INTEGRAL)

IP66 RATED

DATE: PROJECT: TYPE: **TYPE ODC**

CATALOG NUMBER LOGIC:



\*Accommodates up to 2 lens/shielding media.

\*\*120V only.

**CATALOG NUMBER LOGIC**

Example: CK - LED - TR - x98 - SP - BZW - 9 - 11 - A - INC - 120

**MATERIAL**

Aluminum

**SERIES**

CK - Catskill

**SOURCE**

LED - Chip on Board (COB) Technology

**HOUSING**

TR - Integral Driver

**LED TYPE**

x98 - 13W/2700K/80CRI	x101 - 13W/2700K/90CRI	✓
x99 - 13W/3000K/80CRI	x102 - 13W/3000K/90CRI	✓
x103 - 13W/3500K/80CRI	x104 - 13W/3500K/90CRI	✓
x100 - 13W/4000K/80CRI	x121 - 13W/4000K/90CRI	✓
x122 - 21W/2700K/80CRI	x126 - 21W/2700K/90CRI	✓
x123 - 21W/3000K/80CRI	x127 - 21W/3000K/90CRI	✓
x124 - 21W/3500K/80CRI	x128 - 21W/3500K/90CRI	✓
x125 - 21W/4000K/80CRI	x129 - 21W/4000K/90CRI	✓

**OPTICS**

SP - Spot (17°) FL - Flood (45°) WFL - Wide Flood (55°)

**FINISH (See page 2 for full-color swatches)**

Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)

Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRM, HUG, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WIR) \*

Also available in RAL Finishes

**LENS TYPE\***

9 - Clear (Standard)

12 - Soft Focus 13 - Rectilinear

**SHIELDING\***

11 - Honeycomb Baffle

**CAP STYLE**

A - 45°

B - 90°

C - Flush

D - 45° Less Weephole (Downward Aiming Only)

E - 90° Less Weephole (Downward Aiming Only)

**CONTROL**

NON - Non Dimming

ELV - Dimming Driver (For use with Electronic Low Voltage Dimmer)\*\*

INC - Dimming Driver (For use with Incandescent Dimmer)\*\*

010 - 0-10V Dimming Driver (Dimming ≤3-100%)

**INPUT VOLTAGE**

120 - 120 VAC

277 - 277 VAC



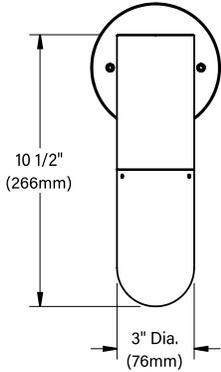
**B-K LIGHTING** | **MADE IN THE USA** | 559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

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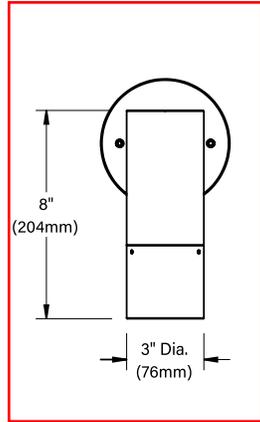
CATSKILL LED (INTEGRAL)

IP66 RATED

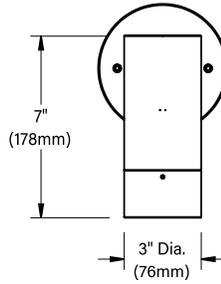
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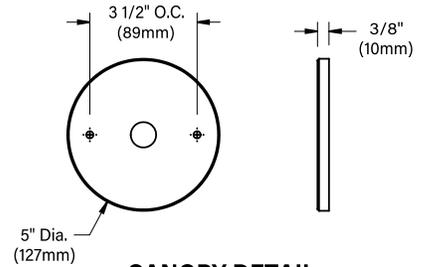
"A/D" CAP



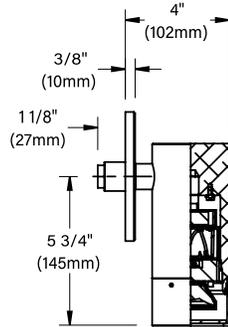
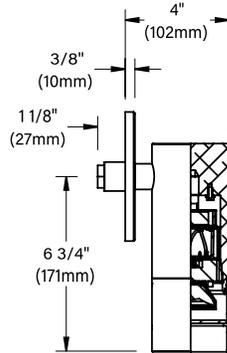
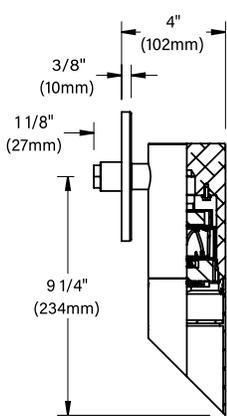
"B/E" CAP



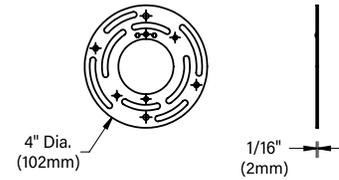
"C" CAP



CANOPY DETAIL



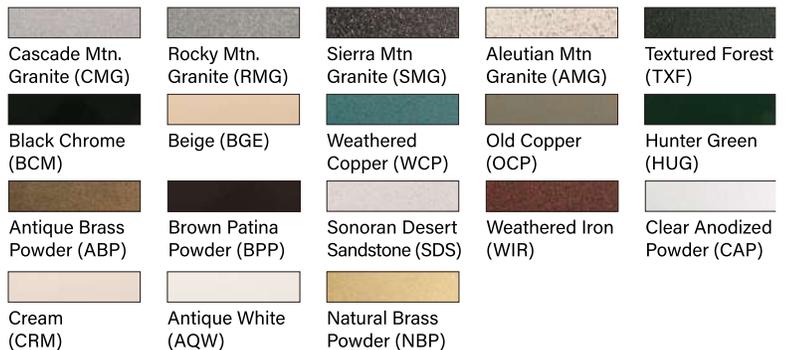
UNIVERSAL RING



STANDARD FINISHES



PREMIUM FINISHES



Click [Here](#) to view larger, full-color swatches of all available finishes on our website.

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10/27/2023 SKU-1371  
SUB-2822-00

CATSKILL LED (INTEGRAL)

IP66 RATED

DATE:	PROJECT:	TYPE:
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ACCESSORIES (Configure separately)

Drivers (Configure separately)

SPECIFICATIONS

ELECTRICAL	WATTAGE	13W or 21W LED
	LED	COB technology and modular design with electrical quick disconnects allow for easy field upgrade and maintenance. LM-80 certified. Title 24, JA8 compliant options available. Minimum 50,000 hour rated life at 70% of initial lumens (L70).
	COLOR MANAGEMENT	COB technology delivers natural white light. Exact color point conformity exceeds ANSI C78.377 standard. Module exceeds 80 CRI (RA>80, R9.16). Color point uniformity 2 SDCM color control for 2700K-4000K CCT.
	WIRING	INC/ELV Wiring: 3 Wire, 18GA, Stranded, XLPE, 125°C, 300V, UL3265 rated wire 0-10 Wiring: 5 Wire, 16GA, Stranded, TPE, 105°C, 300V, SJTOW, Cable Master, SJTOW-165-BLK-GVCC
	DRIVER	Incandescent/ELV Control Option Driver: Dimming driver for use with standard incandescent or electronic low voltage dimmers (10-100% range), 120VAC only. 0-10 Control Option Driver: Dimming driver for use with standard 0-10V dimmers (≤3-100% dim. range), 120-277VAC. With [1] 440mA (13W) / 700mA (21W). 50/60Hz. >0.9 Power Factor, (INC/ELV)10.0A/(0-10) <250mA in-rush current, .20%THD (nominal at 120VAC full load). Output over-voltage, overcurrent, and short circuit protection with auto recovery. Class 2 power supply; FCC47CFR Part 15 Compliant Class B (120VAC)/Class A (277VAC).
PHYSICAL	MATERIALS	Furnished in copper-free aluminum (6061-T6).
	BODY	Unibody design with enclosed, water-proof wireway and integral heat sink is fully machined from solid billet. Anti-condensation and corrosion vent equalizes fixture pressure and eliminates potential for damage to internal components.
	CAP	Fully machined and accommodates two (2) lens or louver media.
	LENS	Shock-resistant, tempered, 1/8" thick soda lime glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment.
	INSTALLATION	5" dia., machined canopy with stainless steel universal mounting ring permits mounting to 4" octagonal junction box (by others).
	OPTICS	Interchangeable optics permit changes in the field.
	HARDWARE	Tamper-resistant, stainless steel hardware. 360HD hardware is additionally black oxide treated for corrosion resistance.
	FINISH	StarGuard, our 15-stage chromate-free process, cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating, and is RoHS compliant.
	WARRANTY	5-year limited warranty.
CERTIFICATION & LISTING	UL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ANSI Standards. RoHS compliant components. Suitable for indoor or outdoor use. IP66 Rated. Made in the USA with sustainable processes.	



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10/27/2023 SKU-1371  
SUB-2822-00

# LAMP & DRIVER DATA (page 1 of 2)

DATE: \_\_\_\_\_ PROJECT: \_\_\_\_\_ TYPE: \_\_\_\_\_

## DRIVER ELECTRICAL DATA

Type	AC Input Range	Frequency Hz	Power Factor At Full Load (Efficiency)	THD	InRush Current	Operating Current	Operation Ambient Temperature	Dimmer Type	Dimmer Range
Integral	120VAC	50/60	> 0.9	20%	10A	440mA (13W)/700mA (21W)	-30° C ~ 70°C	TRIAC/ELV	1-100%
Integral	105-300VAC	50/60	> 0.9	20%	<250mA	440mA (13W)/700mA (21W)	-30° C ~ 90°C	0-10	≤3-100%

LM79 DATA				OPTICAL DATA				
BK No.	CCT (Typ.)	CRI (Typ.)	Input Watts (Typ.)	L70 Data	Angle	CBCP	Total Del. Lumens	Muliplier
x98	2700	80	13	50,000	17	6480	829	0.92
	<b>2700</b>	<b>80</b>	<b>13</b>	<b>50,000</b>	<b>45</b>	<b>1773</b>	<b>1041</b>	<b>0.92</b>
	2700	80	13	50,000	55	1478	1180	0.92
x99	3000	80	13	50,000	17	6796	869	0.96
	<b>3000</b>	<b>80</b>	<b>13</b>	<b>50,000</b>	<b>45</b>	<b>1860</b>	<b>1091</b>	<b>0.96</b>
	3000	80	13	50,000	55	1550	1237	0.96
x103	3500	80	13	50,000	17	6685	855	0.95
	<b>3500</b>	<b>80</b>	<b>13</b>	<b>50,000</b>	<b>45</b>	<b>1829</b>	<b>1074</b>	<b>0.95</b>
	3500	80	13	50,000	55	1525	1217	0.95
x100	4000	80	13	50,000	17	7059	903	1.00
	<b>4000</b>	<b>80</b>	<b>13</b>	<b>50,000</b>	<b>45</b>	<b>1931</b>	<b>1134</b>	<b>1.00</b>
	4000	80	13	50,000	55	1610	1285	1.00
x101	2700	90	13	50,000	17	4486	574	0.69
	<b>2700</b>	<b>90</b>	<b>13</b>	<b>50,000</b>	<b>45</b>	<b>1228</b>	<b>720</b>	<b>0.69</b>
	2700	90	13	50,000	53	1023	817	0.69
x102	3000	90	13	50,000	17	4936	631	0.73
	<b>3000</b>	<b>90</b>	<b>13</b>	<b>50,000</b>	<b>45</b>	<b>1350</b>	<b>793</b>	<b>0.73</b>
	3000	90	13	50,000	55	1126	899	0.73
x104	3500	90	13	50,000	17	4775	611	0.71
	<b>3500</b>	<b>90</b>	<b>13</b>	<b>50,000</b>	<b>45</b>	<b>1307</b>	<b>767</b>	<b>0.71</b>
	3500	90	13	50,000	55	1089	869	0.71
x121	4000	90	13	50,000	17	5324	681	0.75
	<b>4000</b>	<b>90</b>	<b>13</b>	<b>50,000</b>	<b>45</b>	<b>1457</b>	<b>855</b>	<b>0.75</b>
	4000	90	13	50,000	55	1214	969	0.75
x122	2700	80	21	50,000	17	9040	1208	0.87
	<b>2700</b>	<b>80</b>	<b>21</b>	<b>50,000</b>	<b>47</b>	<b>2437</b>	<b>1359</b>	<b>0.87</b>
	2700	80	21	50,000	55	1876	1416	0.87
x123	3000	80	21	50,000	17	10030	1341	0.96
	<b>3000</b>	<b>80</b>	<b>21</b>	<b>50,000</b>	<b>45</b>	<b>2704</b>	<b>1508</b>	<b>0.96</b>
	3000	80	21	50,000	55	2082	1571	0.96
x124	3500	80	21	50,000	17	8496	1136	0.81
	<b>3500</b>	<b>80</b>	<b>21</b>	<b>50,000</b>	<b>45</b>	<b>2290</b>	<b>1277</b>	<b>0.81</b>
	3500	80	21	50,000	55	1763	1331	0.81
x125	4000	80	21	50,000	17	10431	1394	1.00
	<b>4000</b>	<b>80</b>	<b>21</b>	<b>50,000</b>	<b>45</b>	<b>2812</b>	<b>1568</b>	<b>1.00</b>
	4000	80	21	50,000	55	2165	1634	1.00

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# LAMP & DRIVER DATA (page 2 of 2)

DATE: \_\_\_\_\_ PROJECT: \_\_\_\_\_ TYPE: \_\_\_\_\_

LM79 DATA				OPTICAL DATA				
BK No.	CCT (Typ.)	CRI (Typ.)	Input Watts (Typ.)	L70 Data	Angle	CBCP	Total Del. Lumens	Muliplier
x126	2700	90	21	50,000	17	6120	818	0.68
	<b>2700</b>	<b>90</b>	<b>21</b>	<b>50,000</b>	<b>45</b>	<b>1650</b>	<b>920</b>	<b>0.68</b>
	2700	90	21	50,000	55	1270	959	0.68
x127	3000	90	21	50,000	17	7535	1007	0.75
	<b>3000</b>	<b>90</b>	<b>21</b>	<b>50,000</b>	<b>45</b>	<b>2031</b>	<b>1133</b>	<b>0.75</b>
	3000	90	21	50,000	55	1564	1180	0.75
x128	3500	90	21	50,000	17	5406	723	0.64
	<b>3500</b>	<b>90</b>	<b>21</b>	<b>50,000</b>	<b>45</b>	<b>1457</b>	<b>813</b>	<b>0.64</b>
	3500	90	21	50,000	55	1225	847	0.64
x129	4000	90	21	50,000	17	8148	1089	0.78
	<b>4000</b>	<b>90</b>	<b>21</b>	<b>50,000</b>	<b>45</b>	<b>2196</b>	<b>1225</b>	<b>0.78</b>
	4000	90	21	50,000	55	1691	1277	0.78

OPTICS	
Optic	Angle
Spot w/ 13 Accy	16 x 55
Spot	17°
Flood	45°
Wide Flood	55°

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**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : DE-LED-TR-X100-FL-12439915-12439915.04.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 12439915.04  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUE DATE] 9/13/2018  
 [MANUFAC] B-K Lighting Inc  
 [LUMCAT] DE-LED-TR-X100-FL-9-4000K  
 [LUMINAIRE] White cylindrical metal housing with plastic prismatic ref  
 [MORE] lector lens and clear glass lens  
 [LAMP] One (1) LED with optics below  
 [BALLAST] ERP EBR015U-0440-36  
 [OTHER] 24.5 C, 120.004 V, 0.107876 A, 12.7427 W, 0.984331 PF, 59.9982  
 [MORE] Hz  
 [OTHER] This test was performed using the calibrated photodetector met  
 [MORE] hod of absolute photometry.

**CHARACTERISTICS**

IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1129
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	12.7427
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1931.3
Maximum Candela Angle	0H 0V
Maximum Candela (<90 Degrees Vertical)	1931.3
Maximum Candela Angle (<90 Degrees Vertical)	0H 0V
Maximum Candela At 90 Degrees Vertical	.1 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.6 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT**

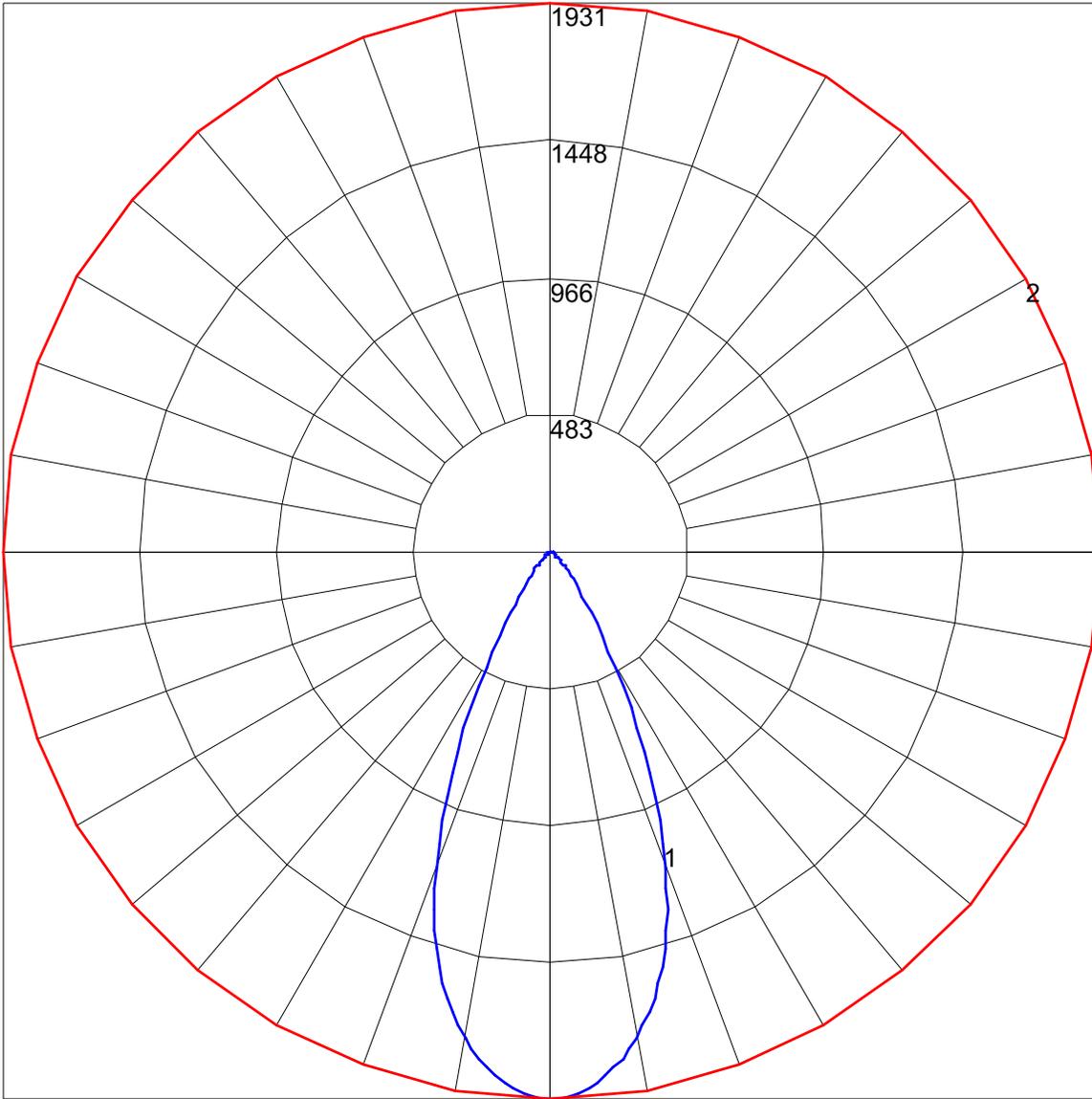
**PHOTOMETRIC FILENAME : DE-LED-TR-X100-FL-12439915-12439915.04.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	471.4	N.A.	41.8
FM - Front-Medium (30-60)	89.4	N.A.	7.9
FH - Front-High (60-80)	3.0	N.A.	0.3
FVH - Front-Very High (80-90)	0.6	N.A.	0.0
BL - Back-Low (0-30)	471.4	N.A.	41.8
BM - Back-Medium (30-60)	89.4	N.A.	7.9
BH - Back-High (60-80)	3.0	N.A.	0.3
BVH - Back-Very High (80-90)	0.6	N.A.	0.0
UL - Uplight-Low (90-100)	< 0.05	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	1128.8	N.A.	100.0
BUG Rating	B1-U1-G0		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DE-LED-TR-X100-FL-12439915-12439915.04.IES**

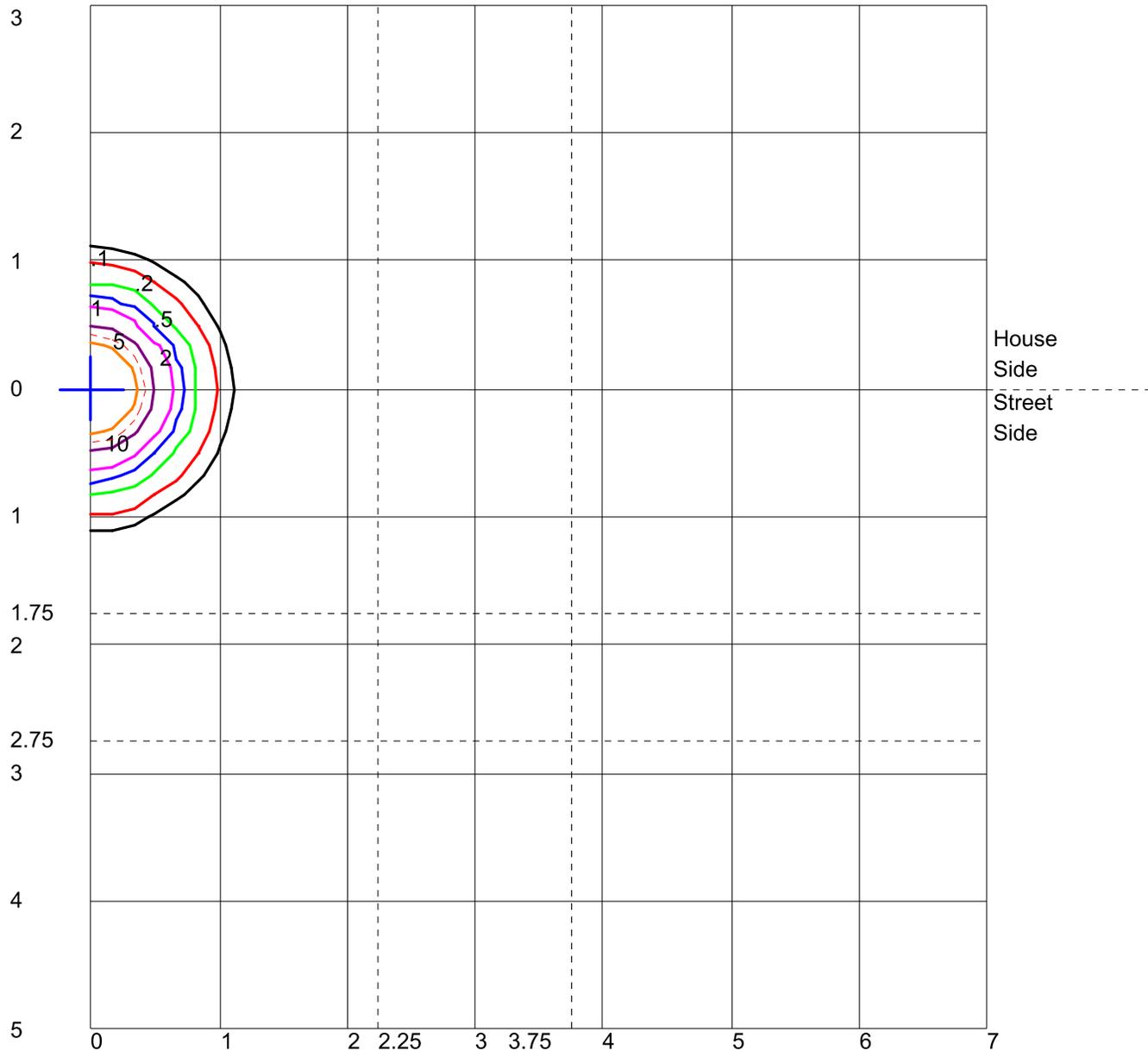
**POLAR GRAPH**



Maximum Candela = 1931.3 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DE-LED-TR-X100-FL-12439915-12439915.04.IES**

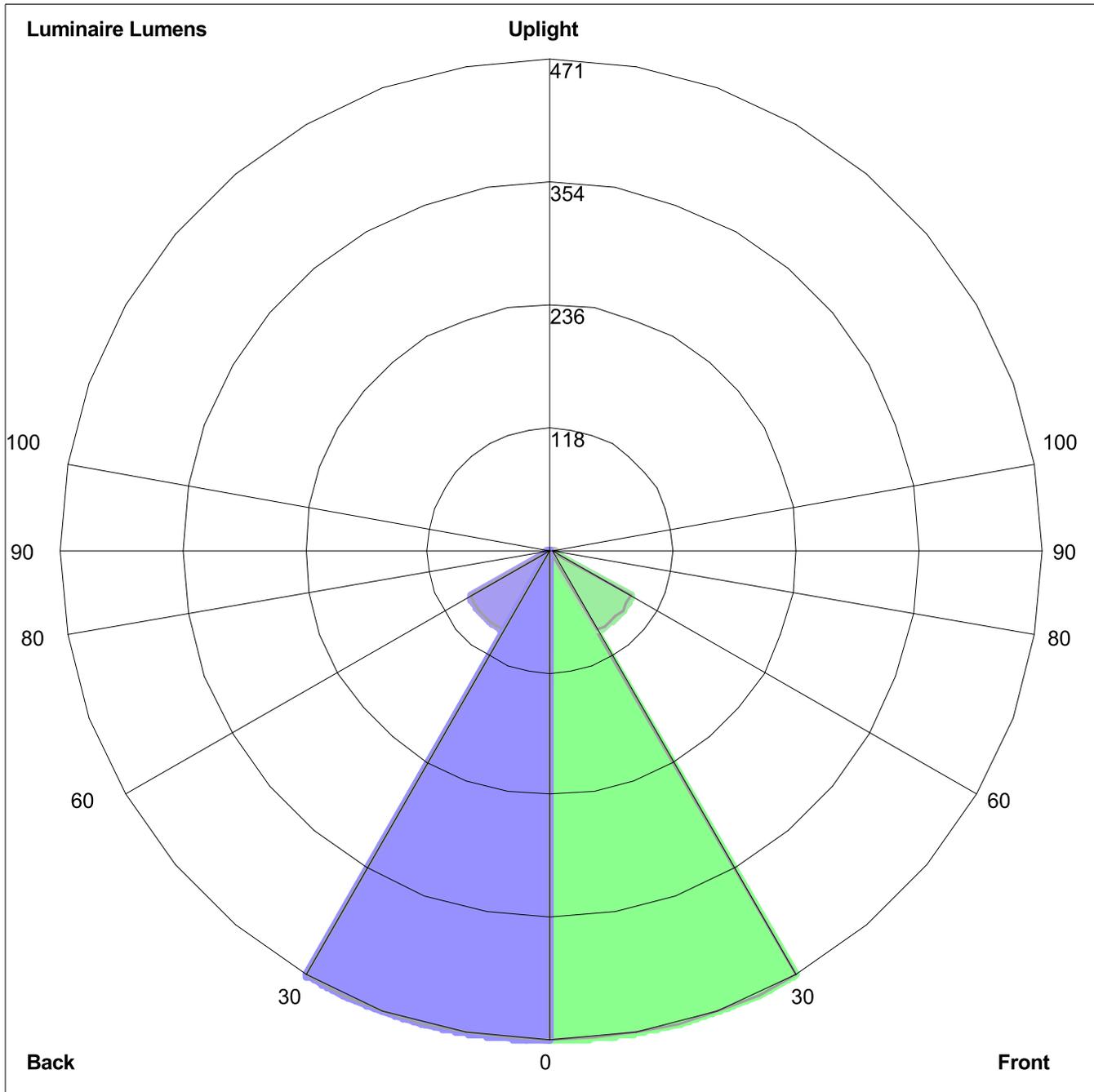
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE**



Distance In Units Of Mounting Height  
Values Based On 10 Foot Mounting Height  
1/2 Maximum Candela Trace Shown As Dashed Curve  
(+) = Maximum Candela Point

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DE-LED-TR-X100-FL-12439915-12439915.04.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**



Luminaire Lumens:  
Front: Low=471.4, Medium=89.4, High=3.0, Very High=0.6  
Back: Low=471.4, Medium=89.4, High=3.0, Very High=0.6  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U1-G0



Project Name:

Location:

Specifier:

Rep Agency:

Fixture Type:

Product Code: **TYPE ORA**

# KLIK LEDpod™ 40 Patented

## Description

Discrete, seamless point source LED fixture for use in all code-compliant handrail, especially curving ramps and helical stairs as well as long runs on bridges and pedestrian paths. Asymmetric optic allows mounting at rail nadir, eliminating uncomfortable glare issues.

## Housing

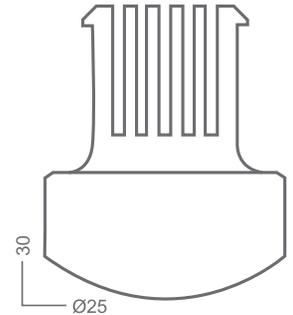
Clear anodized aluminum body as standard. Color-match anodized or bronze body as options, consult factory.

Aluminum body has a fine 25-micron finish and is then hard-coat anodized, thus preventing galvanic corrosion. Silicone gasket seals the installation from water ingress and provides added means of electrical isolation to minimize potential for galvanic reaction.

## Mounting

Patented attachment method offers unparalleled security and ease of mounting. Requires only a simple drilled hole in railing material, eliminates threading, gluing or exposed fasteners common among other handrail fixtures. All conductors remain internal to railing to provide secure and safe wiring. IK10 Impact rating ensures vandal resistance. Tamperproof anti-theft option available for extreme environments; consult factory.

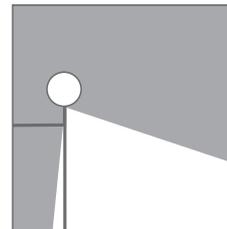
- Tube Size: Ø 1.5" - 1.75", Max. wall .2" *Other sizes available upon request*
- Cut Out: 25mm
- Weight: 0.16 LBS



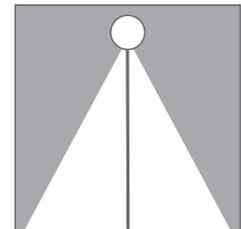
## Electrical/LED Driver

- Input Voltage: 24 VDC
- Operating Temp: -40 to 120° F
- Efficiency: 88 lm/W
- Driver: Must use class 2 driver
  - Primary Driver: 110 - 277 VAC UL Listed Constant Voltage
  - Secondary Driver: 350 - 700mA Constant Current (provided with fixture)
- Control: DALI, 0-10V, DMX
  - DMX control for dimming only, not for individually addressed LEDpod
- Enclosure: Minimum NEMA2 for indoor, NEMA 3R for outdoor
- Wire connectors provided; factory pre-wire available, consult factory

\*Please note, all KLIK fixtures are now dimmable as standard  
\*Must purchase Driver and Enclosure through KLIK to hold warranty



Asymmetric



Symmetric

## Listings

- ETL listed, UL 1598/CSA 22.2; CE
- cETL
- IP65 rated *All IP rated luminaires tested to AS60529-2004 Degrees of protection provided by enclosures (IP Code)*
- IK10 Impact Resistance
- Wet location rated
- International Dark Sky Association Certified *(Color temperature must be Amber or less than 3000K)*



## Product Codes

Follow the steps to specify your fixture. Enter Product Code in field at top of page. Example: **LP4030KA40**

Fixture Type	Rail Size <sup>1,2</sup>	Color <sup>3</sup>	Distribution	Rail Wall Thickness <sup>4</sup>	Lens Option	Custom Bezel <sup>5</sup>
LP LEDpod	40 1.50" Tube -or- 1.66" Pipe	27K 2700K 30K 3000K 35K 3500K 40K 4000K AMB Amber	A Asymmetric S Symmetric	1512 1.5" x 11ga Tube (.12 wall) 1513 1.5" x 1/8 Wall Tube 05 Sch 5 Pipe 10 Sch 10 Pipe 40 Sch 40 Pipe 80 Sch 80 Pipe CUST Non-stock	Clear lens standard Add FRS for frosted diffused lens Add OTK for Optek-film diffused lens	ANO Rose Gold Antique Brass Dark Antique Bronze Black Anodized

1. Additional sizes are available as special order, contact factory for rail dimensions other than those shown on this sheet.  
2. Bronze material requires a special clip, contact factory for more information.  
3. Also available in blue (BLU), green (GRN), red (RED), and custom color temperature (as special order).  
4. Wall thickness of 0.120" is common to steel & stainless; wall of 0.125" common to aluminum  
5. Additional charges and lead time apply for this feature.  
6. Tamper proof option offers additional protection in extreme environments. Additional charges and lead time apply for this feature. To specify; add "TP" to product code.  
7. To Specify 1.5 Watt; add "0350" to product code; to Specify 2.5 Watt; add "0700" to product code. EX: LP4030KA40.0700

Project Name:

Location:

Specifier:

Rep Agency:

Fixture Type:

Product Code:

**LED Performance**

LED: Cree XT-E  
CCT: 2700, 3000, 4000 (others available)  
CRI: 80-85  
Life: 80% at 50k hrs and 85° C  
Binning: 3 MacAdam Steps  
Warranty: 5 Year Warranty

**Lumens/Fixture or Pod**

STANDARD 2W/POD Transparent		SPECIAL ORDER 1.5W/POD Transparent*		2.5W/POD Transparent*	
3000K	145	3000K	107	3000K	181
4000K	154	4000K	114	4000K	193
5000K	176	5000K	130	5000K	220

\*Contact factory for 1.5W and 2.5W

Optics				Reflector	
Beam Angle				Symmetrical	Asymmetrical
LOR defined by optics				76	74
lm	W	mA	V	Lumens output @ 4000K	
120	1.4	350	3	92	89
162	1.9	500	3	124	120
193	2.5	700	3	147	143

**Remote Mounting Distance Chart**

24 VDC 100W Driver	Approximate Distance From Driver to First LED at 32 Fixtures			
Wire Size	10 AWG	12 AWG	14 AWG	16 AWG
Distance	525'	328'	213'	131'

Calculations based on 2' centers between pods.  
Increased spacing reduces number of pods per circuit.

**Primary Driver**

Primary Driver	Secondary LED Driver	Spacing	Maximum KLIK LEDpods™*
110 - 277 Primary Voltage Remotely Mounted Dimming Control 10" x 1.5" x 2"	700mA	24"	30
	500mA	24"	37
	350mA	24"	50

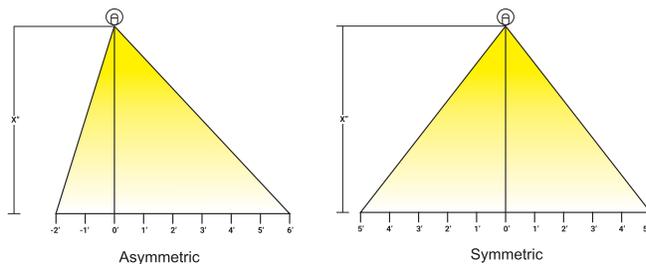
\*Based on 16 AWG between LEDpods

**Required Accessories**

- LP096WPRITRNDIM Class 2 IP67 driver, 110-277VAC to 24VDC constant voltage, 0-10 Dim
- LP100WPRITRNDIM Class 2 Driver, Dimming, Input voltage = 120-277 VAC, Output voltage = 24 VDC, 5 year warranty
- LPNEMA2ENCL NEMA2 INDOOR enclosure for LP100WPRITRNDIM, 12" x 3.3" x 2"
- LPNEMA3RENCLJR NEMA 3R Drip Proof Enclosure, 4 x 4 x 12 (IP32 Equivalent)
- LPNEMA4ENCLJR NEMA4 Watertight Enclosure, 6 x 4 x 12 (IP66 Equivalent); NEMA4X
- LPNEMA6PENCL Available NEMA 6P Submersible Enclosure 15" x 8" x 6" (IP67 Equivalent)

Additional driver & enclosure configurations available. Please note the KLIK UL Listing requires purchase of a remote driver and enclosure.

**KLIK LEDpod™ Footcandle Chart (Represents output of ONE LEDpod)**



X = Rail Height (34" Tall Handrail or 42" Tall Guardrail)

Optic Height: 34" - 2" (Handrail Diameter) = 32" (2.66")  
42" - 2" (Handrail Diameter) = 40" (3.33")

			2'	1'	0	1'	2'	3'	4'	5'	6'	7'
			1.5 Watt	<b>KLIK LEDpod™ 50 350mA Asymmetric</b>	34" Tall Handrail	0.39	0.97	4.22	5.22	3.68	2.64	1.25
		42" Tall Handrail	0.36	0.86	2.69	3.36	2.78	2.06	1.47	0.80	0.42	0.22
	<b>KLIK LEDpod™ 50 350mA Symmetric</b>	34" Tall Handrail	2.79	5.32	6.18	5.32	2.79	0.86	0.15	0.05	0.02	0.01
		42" Tall Handrail	2.19	3.70	3.95	3.70	2.19	1.34	0.37	0.09	0.04	0.02
2 Watt	<b>KLIK LEDpod™ 50 500mA Asymmetric</b>	34" Tall Handrail	0.53	1.31	5.70	7.06	4.97	3.56	1.68	0.76	0.31	0.09
		42" Tall Handrail	0.48	1.17	3.64	4.54	3.75	2.79	1.99	1.08	0.57	0.29
	<b>KLIK LEDpod™ 50 500mA Symmetric</b>	34" Tall Handrail	3.77	7.19	8.35	7.19	3.77	1.16	0.20	0.06	0.02	0.01
		42" Tall Handrail	2.96	5.00	5.33	5.00	2.96	1.81	0.49	0.13	0.05	0.02
2.5 Watt	<b>KLIK LEDpod™ 50 700mA Asymmetric</b>	34" Tall Handrail	0.66	1.64	7.13	8.83	6.21	4.45	2.10	0.95	0.39	0.12
		42" Tall Handrail	0.60	1.47	4.55	5.69	4.69	3.45	2.48	1.50	0.71	0.36
	<b>KLIK LEDpod™ 50 700mA Symmetric</b>	34" Tall Handrail	4.71	8.99	10.4	8.99	4.71	1.45	0.25	0.13	0.06	0.03
		42" Tall Handrail	3.70	6.25	6.66	6.25	3.70	2.26	0.61	0.16	0.06	0.02

Project Name:

Location:

Specifier:

Rep Agency:

Fixture Type:

Product Code:

**Installation Instructions** *Additional instructions may apply, consult factory.*

**1** Make sure drilled holes are deburred and excess swarf is removed from railing.

**2** Feed through appropriate wires (14ga - 18ga).

**3** Pull a loop of wire through hole.

**4** Rotate retaining clips in as shown. Avoid tangling or severing through wire.

**5** Apply pressure as shown to deform clip into place in a circular motion. Avoid damaging the surface of tube and tangling or severing through wire.

**6** Fit clip into place until the clamping ends are equally centered over the hole. Use the tool to center the clip until equal pressure can be felt and inspect by eye.

**7** Install Scotchlok connectors to the red and black wires. Connect the corresponding color wires of the driver to the Scotchlocks and assure the clip is secured.

**8** CAREFULLY feed the Scotchlocks to the left of the clip and the driver to the right with the driver connector hanging out. Ensure wires are clear from where the LEDPOD is to fit.

**9** Push LEDPOD until it snaps into place and the outer surface is flush with the outer surface of the tube. Prod the rim of the clear silicone IP Seal to provide a tighter fit.

**LEDPOD Removal Steps**

**1** Insert removal tool into the 2mm holes in the LEDPOD. With firm pressure, rotate the LEDPod 90°.

**2** Carefully peel back the IP silicone seal one side at a time.

**3** Carefully remove the LEDPOD from the clip, ensuring not to damage or disconnect wires in the process.

Be sure to re-attach the silicone seal ready for reinsertion.

Light direction

The notch indicates the direction of the light, Asymmetrical LEDPods

POSITIVE [+]: Red  
NEGATIVE [-]: Black

Sweep wires to side after driver is set in rail (depicted in step 6)

Proceed to connect the LEDPOD.

Project Name:

Location:

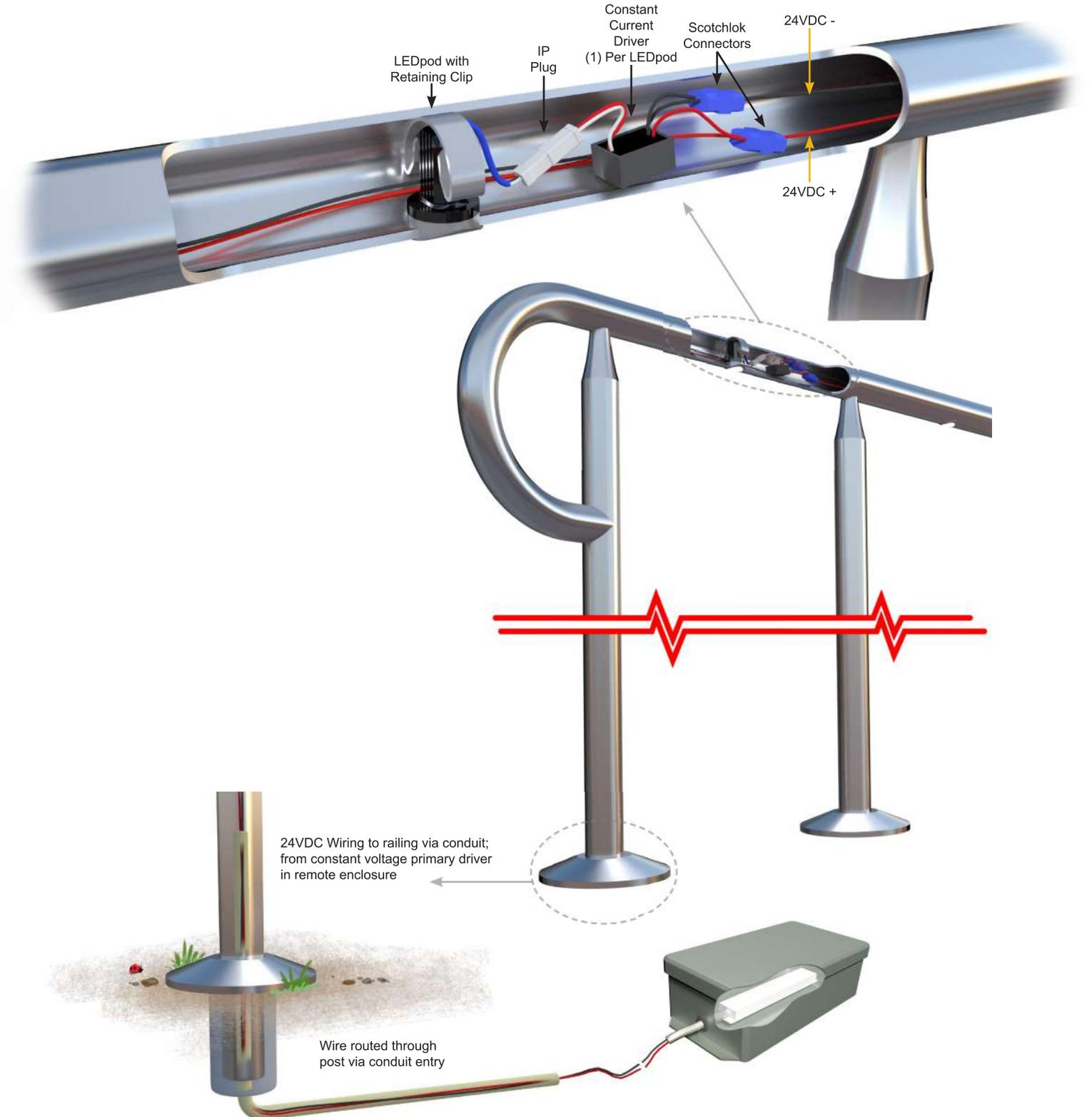
Specifier:

Rep Agency:

Fixture Type:

Product Code:

**Wiring Diagram - Post Mounted**



Project Name:

Location:

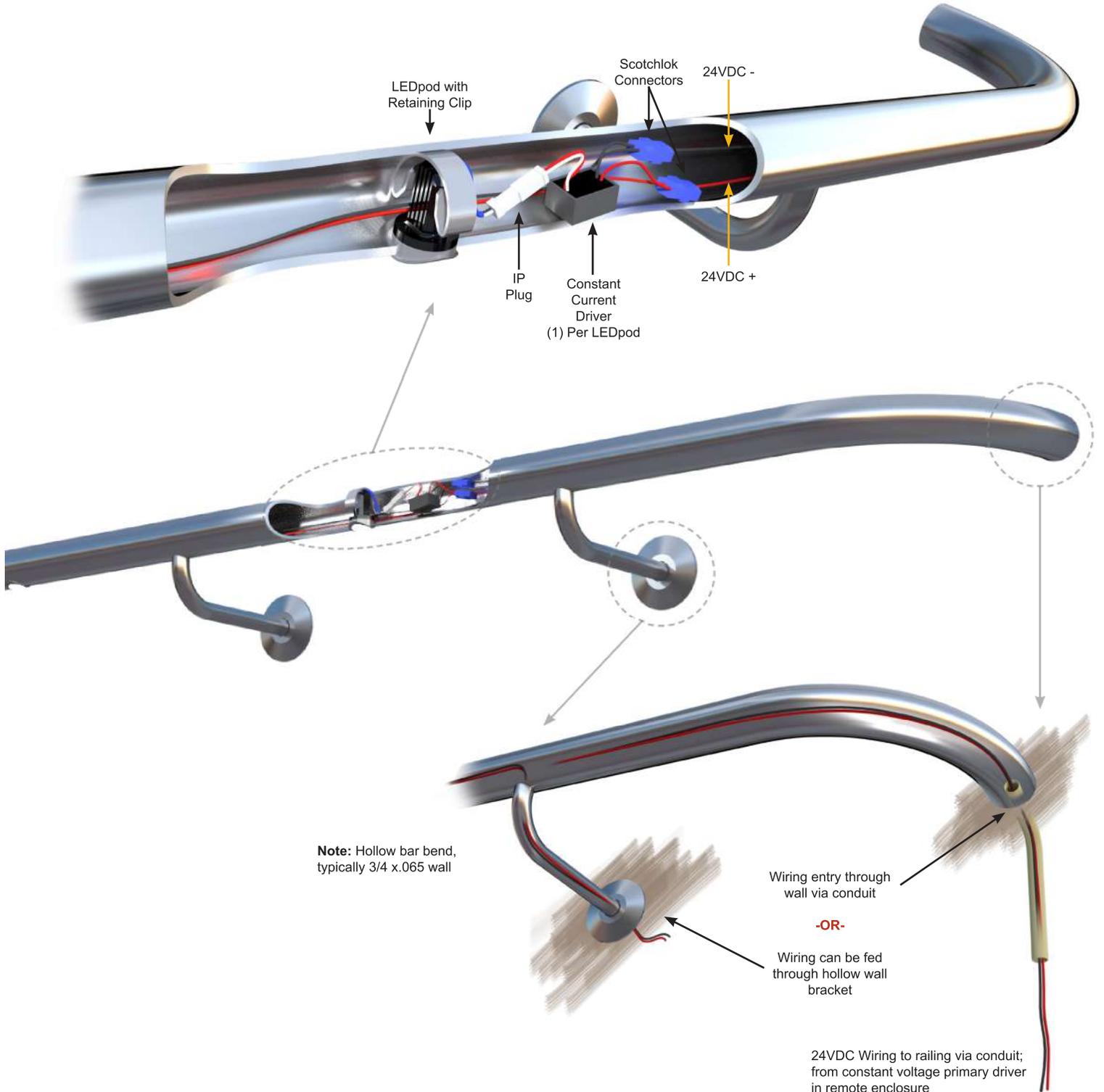
Specifier:

Rep Agency:

Fixture Type:

Product Code:

**Wiring Diagram - Wall Mounted**





## IES ROAD REPORT

PHOTOMETRIC FILENAME : LPOD40-DIR-PCLENS-ASYMREFW-LPOD-500MA-4000K-0.025M-451795-A.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GO-00102

[TESTLAB] KLIKTEK Laboratory

[TESTDATE] 2019-11-26

[ISSUE DATE] 2019-11-26

[MANUFAC] KLIKSYSTEMS

[LUMCAT] LPOD40

[LUMINAIRE] LPOD40-Dir-PCLens-AsymRefW-LPOD-500mA-4000K-0.025m-451795-A

[LAMPCAT] LED Cree XP-L

[LAMP] LPOD-500mA-4000K

[BALLAST] 500mA Constant Current

[BALLASTCAT] Constant Current

[DISTRIBUTION] Asymmetrical

[MORE] Unspecified

[OTHER] Unspecified

[\_FILE NO] 451795

[\_revision] A

[\_direction] Direct

[\_direct\_diffuser] Polycarbonate Lens

[\_indirect\_diffuser] N/A

[\_reflector] White Asym Reflector

[\_tested system] LEDpod 40

[\_photometric rotated from original] 0

[\_LOR\_Up] 0

[\_LOR\_Down] 68

[\_LOR\_Total] 68

[\_SYSTEM] LEDpod 40

[\_luminaire\_width\_(m)] 0.025

[\_luminaire\_height\_(m)] 0.029

[\_diffuser\_width\_(m)] 0.02

[\_luminaire\_weight\_(kg)] 0.074

[\_SEARCH\_APPLICATION] OUTDOOR, ARCHITECTURAL, COMMERCIAL, AREA, ATRIUM, CANOPY, FACADE, GOVERNMENT

[\_SEARCH\_MOUNTING] HANDRAIL, TUBE, PIPE, STAIR, PLATFORM, STRUCTURE

[\_SEARCH\_SOURCETYPE] LEDPOD

[\_SEARCH\_CRI] 80

[\_TOLERANCE] LED Lumens and System Watts can vary by plus or minus 10 percent due to Industry standard LED binning variations

## IES ROAD REPORT

PHOTOMETRIC FILENAME : LPOD40-DIR-PCLENS-ASYMREFW-LPOD-500MA-4000K-0.025M-451795-A.IES

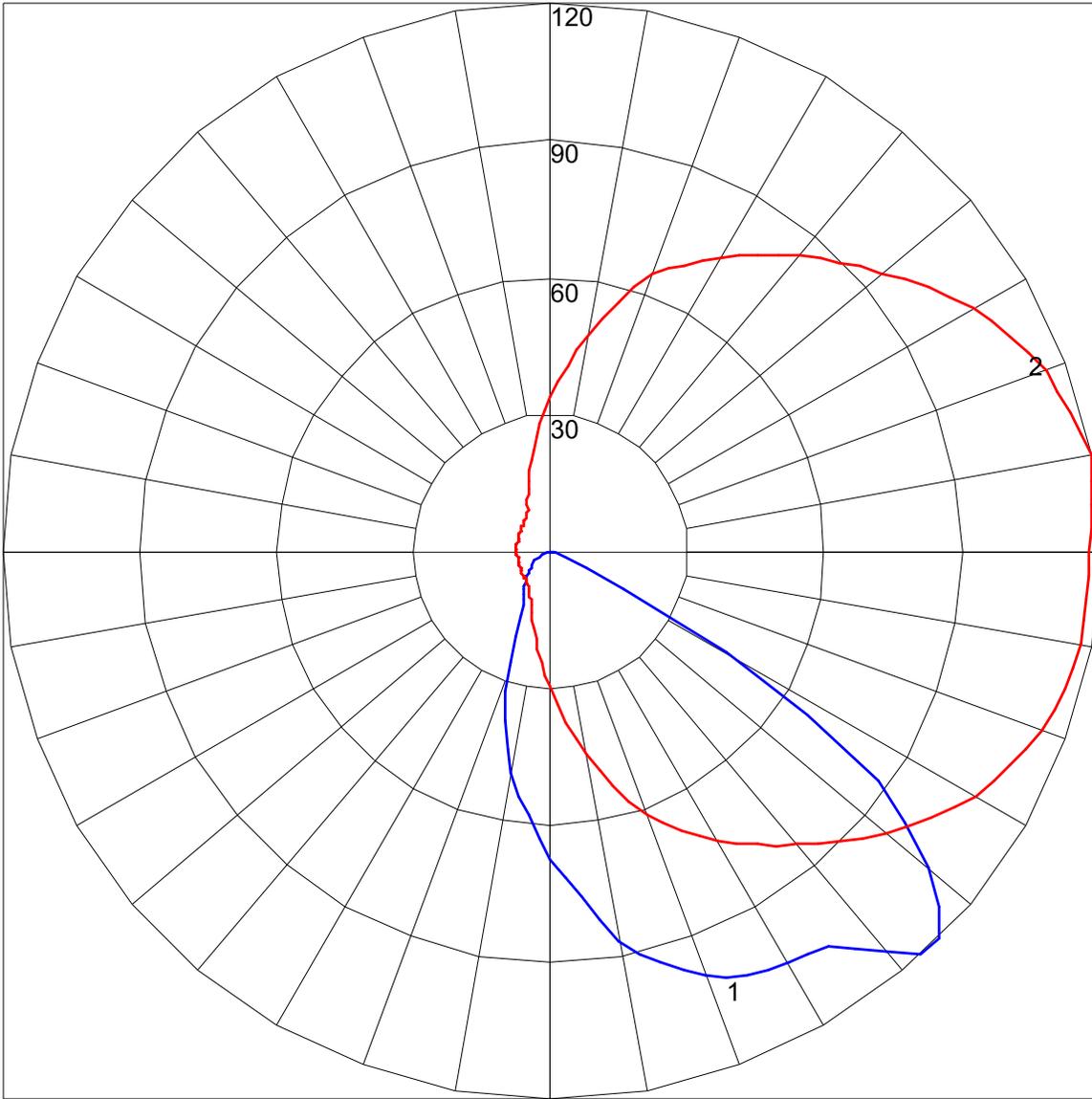
### CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	234 (1 lamp)
Total Lamp Lumens	234
Luminaire Lumens	158
Downward Total Efficiency	68 %
Total Luminaire Efficiency	68 %
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	2
Ballast Factor	1.00
Maximum Candela	120.095
Maximum Candela Angle	10H 45V
Maximum Candela (<90 Degrees Vertical)	120.095
Maximum Candela Angle (<90 Degrees Vertical)	10H 45V
Maximum Candela At 90 Degrees Vertical	.025 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.879 (0.4% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

### IES ROAD REPORT

PHOTOMETRIC FILENAME : LPOD40-DIR-PCLENS-ASYMREFW-LPOD-500MA-4000K-0.025M-451795-A.IES

### POLAR GRAPH



Maximum Candela = 120.095 Located At Horizontal Angle = 10, Vertical Angle = 45

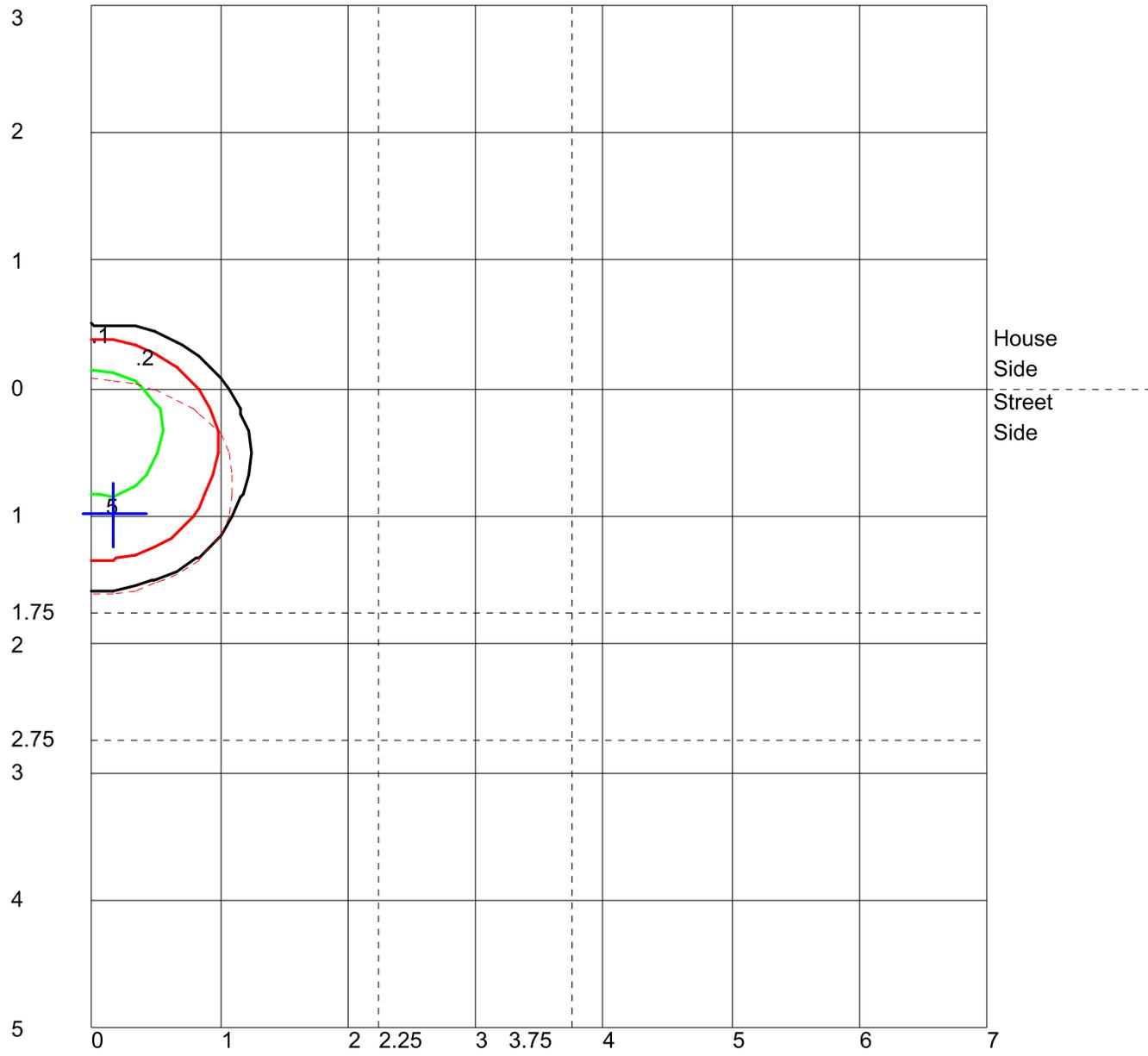
# 1 - Vertical Plane Through Horizontal Angles (10 - 190) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : LPOD40-DIR-PCLENS-ASYMREFW-LPOD-500MA-4000K-0.025M-451795-A.IES**

**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE**



Distance In Units Of Mounting Height  
Values Based On 10 Foot Mounting Height  
1/2 Maximum Candela Trace Shown As Dashed Curve  
(+) = Maximum Candela Point



# WEDGE2 LED

## Architectural Wall Sconce

### Visual Comfort Optic



Catalog Number

Notes

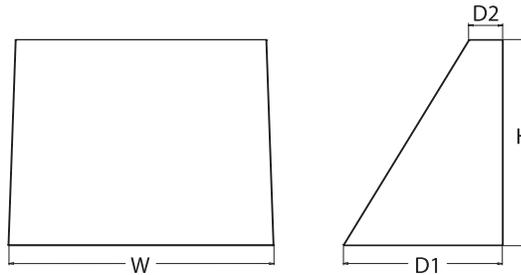
Type

**TYPE OWA**

Hit the Tab key or mouse over the page to see all interactive elements.

### Specifications

- Depth (D1):** 7"
- Depth (D2):** 1.5"
- Height:** 9"
- Width:** 11.5"
- Weight:** 13.5 lbs  
(without options)



### Introduction

The WEDGE2 LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WEDGE family provides additional energy savings and code compliance.

WEDGE2 delivers up to 6,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WEDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

### WEDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WEDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WEDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WEDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WEDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WEDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

### Ordering Information

**EXAMPLE: WEDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD**

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting	
WEDGE2 LED	P1 <sup>1</sup>	P1SW	80CRI 90CRI	VF Visual comfort forward throw	MVOLT	<b>Shipped included</b> SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) <sup>7</sup>	
	P2 <sup>1</sup>	P2SW					VW Visual comfort wide
	P3 <sup>1</sup>	P3SW		Shipped separately AWS 3/8inch Architectural wall spacer PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.			
	P4 <sup>1</sup>	Door with small window (SW) is required to accommodate sensors. See page 2 for more details.					40K 4000K
	P5 <sup>1</sup>						50K <sup>2</sup> 5000K

Options	Finish
<b>E4WH</b> Emergency battery backup, Certified in CA Title 20 MAEDBS (4W, 0°C min) <b>E10WH</b> Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min) <b>E20WC</b> Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min) <b>PE<sup>4</sup></b> Photocell, Button Type <b>DS<sup>5</sup></b> Dual switching (comes with 2 drivers and 2 light engines; see page 3 for details) <b>DMG<sup>6</sup></b> 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) <b>BCE</b> Bottom conduit entry for back box (PBBW). Total of 4 entry points. <b>BAA</b> Buy America(n) Act Compliant	<b>Standalone Sensors/Controls</b> (only available with P1SW, P2SW & P3SW) <b>PIR</b> Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. <b>PIRH</b> Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching <b>PIR1FC3V</b> Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation. <b>PIRH1FC3V</b> Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation. <b>Networked Sensors/Controls</b> (only available with P1SW, P2SW & P3SW) <b>NLTAIR2 PIR</b> nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights. <b>NLTAIR2 PIRH</b> nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights. See page 4 for out of box functionality
	<b>DDBXD</b> Dark bronze <b>DBLXD</b> Black <b>DNAXD</b> Natural aluminum <b>DWHXD</b> White <b>DSSXD</b> Sandstone <b>DDBTXD</b> Textured dark bronze <b>DBLBXD</b> Textured black <b>DNATXD</b> Textured natural aluminum <b>DWHGXD</b> Textured white <b>DSSTXD</b> Textured sandstone <p style="text-align: right;"><b>TBD</b></p>



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WEDGE2 LED  
Rev. 03/01/22

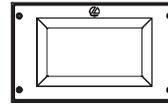
### Accessories

Ordered and shipped separately.

- WDGEAWS DDBXD    WDGE 3/8inch Architectural Wall Spacer (specify finish)
- WDGE2P8BW DDBXD U    WDGE2 surface-mounted back box (specify finish)

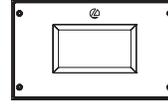
#### NOTES

- 1 P1-P5 not available with sensors/controls. Sensors/controls only available with P1SW, P2SW and P3SW.
- 2 50K not available in 90CRI
- 3 347V and 480V not available with E4WH, E10WH, E20WC or DS.
- 4 PE not available in 480V or with sensors/controls
- 5 DS option not available with E4WH, E10WH, E20WC or sensors/controls.
- 6 DMG option not available with sensors/controls
- 7 Not qualified for DLC. Not available with emergency battery backup or sensors/controls



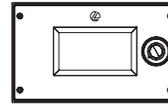
Default configuration with no sensors/controls.

Power Packages: P1, P2, P3, P4, P5



Small Window (SW) configuration

Power Packages: P1SW, P2SW, P3SW



Configuration with sensors/controls

Power Packages: P1SW, P2SW, P3SW

## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					35K (3500K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1 / P1SW	10W	VF	1,166	119	0	0	0	1,209	123	0	0	0	1,251	128	0	0	0	1,256	128	0	0	0	1,254	128	0	0	0
		VW	1,197	122	0	0	0	1,241	126	0	0	0	1,284	131	0	0	0	1,289	131	0	0	0	1,286	131	0	0	0
P2 / P2SW	15W	VF	1,878	129	1	0	0	1,947	134	1	0	0	2,015	139	1	0	0	2,023	139	1	0	0	2,019	139	1	0	0
		VW	1,927	133	1	0	0	1,997	137	1	0	0	2,067	142	1	0	0	2,075	143	1	0	0	2,071	143	1	0	0
P3 / P3SW	23W	VF	2,908	129	1	0	0	3,015	134	1	0	0	3,119	138	1	0	0	3,132	139	1	0	0	3,126	139	1	0	0
		VW	2,983	132	1	0	0	3,093	137	1	0	0	3,200	142	1	0	0	3,213	143	1	0	0	3,206	142	1	0	0
P4	35W	VF	4,096	117	1	0	1	4,247	121	1	0	1	4,394	126	1	0	1	4,412	126	1	0	1	4,403	126	1	0	1
		VW	4,202	120	1	0	0	4,357	125	1	0	1	4,508	129	1	0	1	4,526	129	1	0	1	4,517	129	1	0	1
P5	48W	VF	5,567	115	1	0	1	5,772	119	1	0	1	5,972	123	1	0	1	5,996	124	1	0	1	5,984	124	1	0	1
		VW	5,711	118	1	0	1	5,921	122	1	0	1	6,127	126	1	0	1	6,151	127	1	0	1	6,139	127	1	0	1

### Electrical Load

Performance Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1 / P1SW	10W	0.082	0.049	0.043	0.038	--	--
	13W	--	--	--	--	0.046	0.033
P2 / P2SW	15W	0.132	0.081	0.072	0.064	--	--
	18W	--	--	--	--	0.056	0.041
P3 / P3SW	23W	0.195	0.114	0.100	0.088	--	--
	26W	--	--	--	--	0.079	0.058
P4	35W	0.302	0.175	0.152	0.134	--	--
	38W	--	--	--	--	0.115	0.086
P5	48W	0.434	0.241	0.211	0.184	--	--
	52W	--	--	--	--	0.157	0.119

### Lumen Multiplier for 90CRI

CCT	Multiplier
27K	0.845
30K	0.867
35K	0.845
40K	0.885
50K	0.898

### Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Dist. Type	Lumens
E4WH	VF	646
	VW	647
E10WH	VF	1,658
	VW	1,701
E20WC	VF	2,840
	VW	2,913

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C    32°F	1.03
10°C    50°F	1.02
20°C    68°F	1.01
25°C    77°F	1.00
30°C    86°F	0.99
40°C    104°F	0.98

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.95	>0.91



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WDGE2 LED  
Rev. 03/01/22

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.



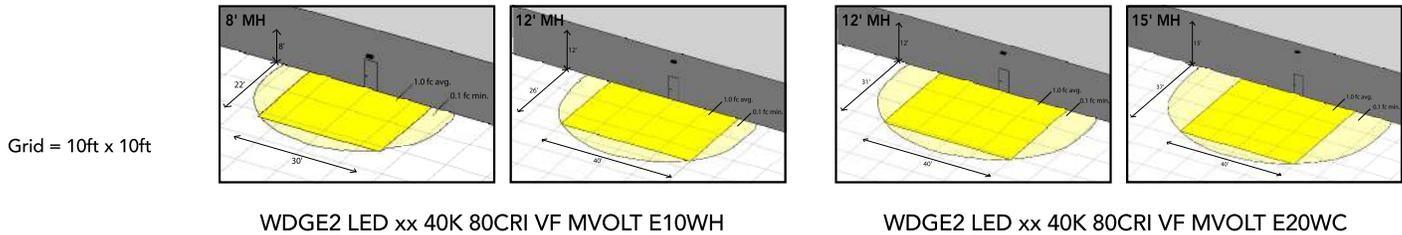
## Emergency Egress Options

### Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

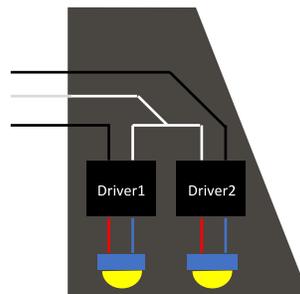
The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E10WH or E20WC and VF distribution.



### Dual Switching (DS) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with two drivers and two light engines. These work completely independent to each other so that a failure of any individual component does not cause the whole luminaire to go dark. This option is typically used with a back generator or inverter providing emergency power.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9



## Control / Sensor Options

### Motion/Ambient Sensor (PIR, PIRH)

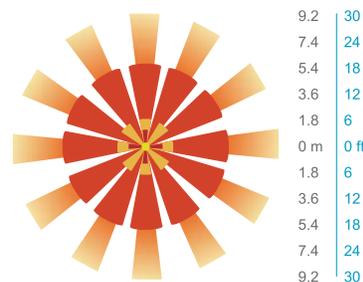
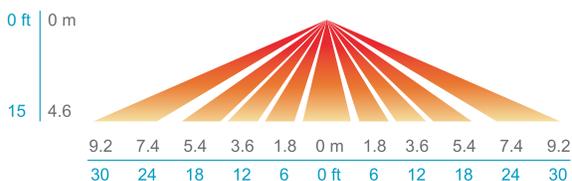
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

### Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

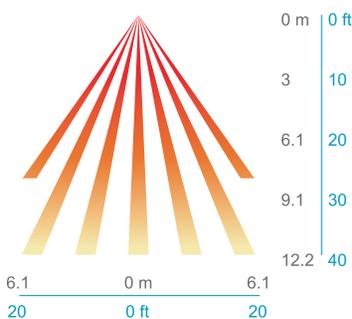
#### PIR

##### HIGH VIEW

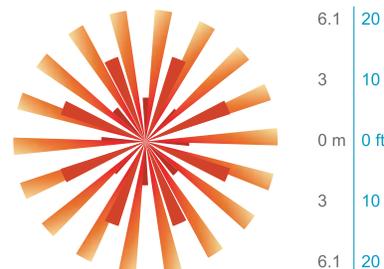


#### PIRH

##### SIDE VIEW



##### TOP VIEW



Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec

## Mounting, Options & Accessories



### NLTAIR2 PIR – nLight AIR Motion/Ambient Sensor

D = 7"

H = 11"

W = 11.5"



### PBBW – Surface-Mounted Back Box Use when there is no junction box available.

D = 1.75"

H = 9"

W = 11.5"



### AWS – 3/8inch Architectural Wall Spacer

D = 0.38"

H = 4.4"

W = 7.5"

## FEATURES & SPECIFICATIONS

### INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

### CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

### FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

### OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine consists of high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

### INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

### LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

### BUY AMERICAN

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

### WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • [www.lithonia.com](http://www.lithonia.com)  
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WDGE2 LED  
Rev. 03/01/22



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : WDGE2 LED P2SW 40K 80CRI VW.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] ISF 20152P16  
 [ISSUEDATE] 11/5/2019  
 [TESTLAB] ACUITY BRANDS LIGHTING, DECATUR LAB  
 [MANUFAC] Lithonia Lighting  
 [LUMCAT] WDGE2 LED P2SW 40K 80CRI VW  
 [LUMINAIRE] WDGE2 LED WITH P2SW - PERFORMANCE PACKAGE, 4000K, 80CRI, VISUAL COMFORT WIDE OPTIC  
 [DISTRIBUTION] TYPE II, VERY SHORT, BUG RATING: B1 - U0 - G0  
 [\_TOTALLUMINAIRELUMENS] 2073  
 [\_INPUTWATTAGE] 14.78  
 [\_MOUNTING] WALL MOUNT  
 [\_PHYSICALDIMENSIONS] 0.95833, 0.5833, 0.75  
 [\_PRODUCTID] adf3b178-15e1-471e-bce0-7b95a82f5026  
 [\_SERIES] WDGE2  
 [\_SERIESID] 993532

**CHARACTERISTICS**

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2074
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	14.78
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1530.377
Maximum Candela Angle	2.5H 35V
Maximum Candela (<90 Degrees Vertical)	1530.377
Maximum Candela Angle (<90 Degrees Vertical)	2.5H 35V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	57.896 (2.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

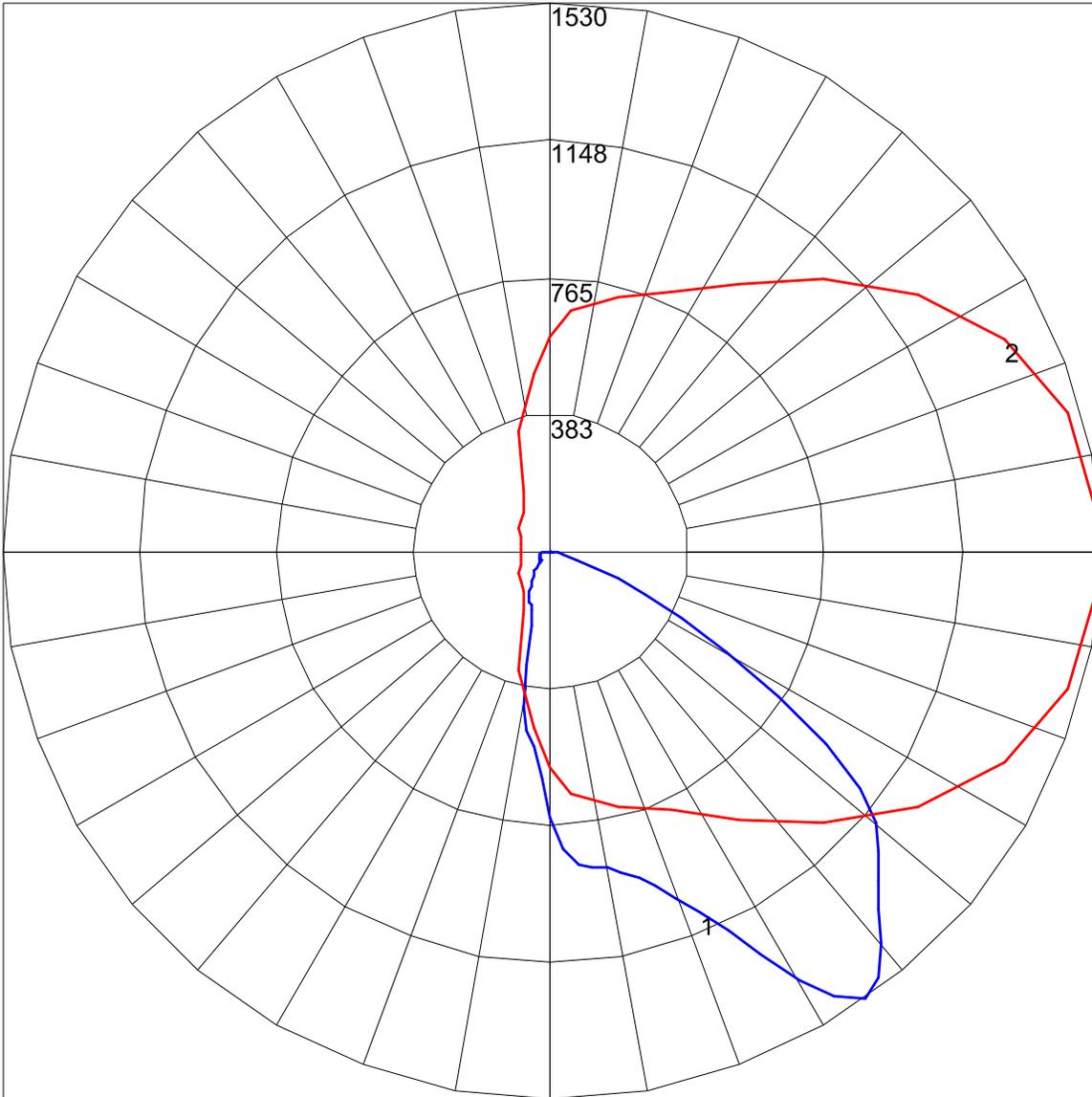
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WDGE2 LED P2SW 40K 80CRI VW.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	388.1	N.A.	18.7
FM - Front-Medium (30-60)	1093.0	N.A.	52.7
FH - Front-High (60-80)	239.4	N.A.	11.5
FVH - Front-Very High (80-90)	4.6	N.A.	0.2
BL - Back-Low (0-30)	145.7	N.A.	7.0
BM - Back-Medium (30-60)	148.4	N.A.	7.2
BH - Back-High (60-80)	49.2	N.A.	2.4
BVH - Back-Very High (80-90)	5.8	N.A.	0.3
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	2074.2	N.A.	100.0
BUG Rating	B1-U0-G0		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WDGE2 LED P2SW 40K 80CRI VW.IES**

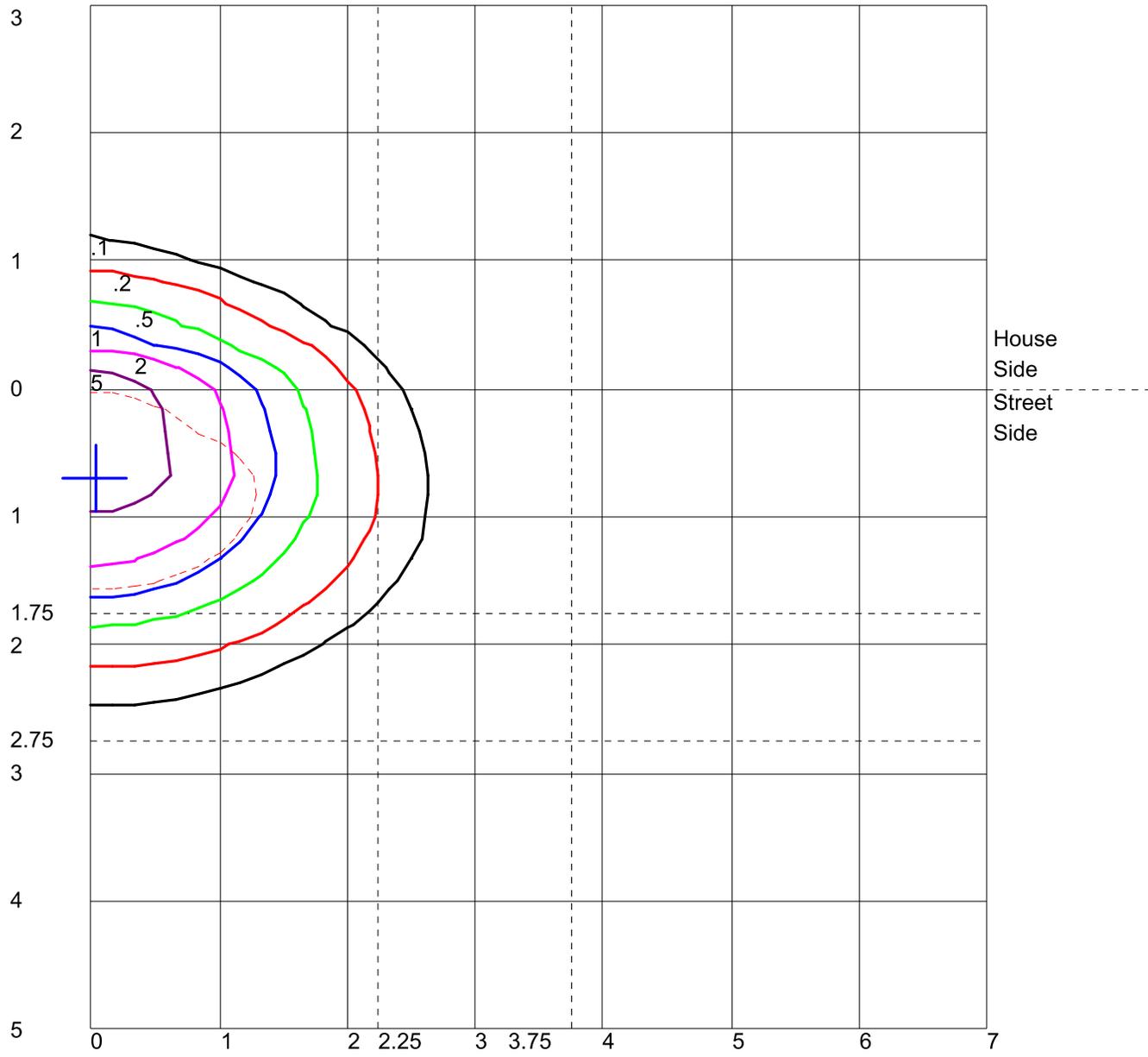
**POLAR GRAPH**



Maximum Candela = 1530.377 Located At Horizontal Angle = 2.5, Vertical Angle = 35  
# 1 - Vertical Plane Through Horizontal Angles (2.5 - 182.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WDGE2 LED P2SW 40K 80CRI VW.IES**

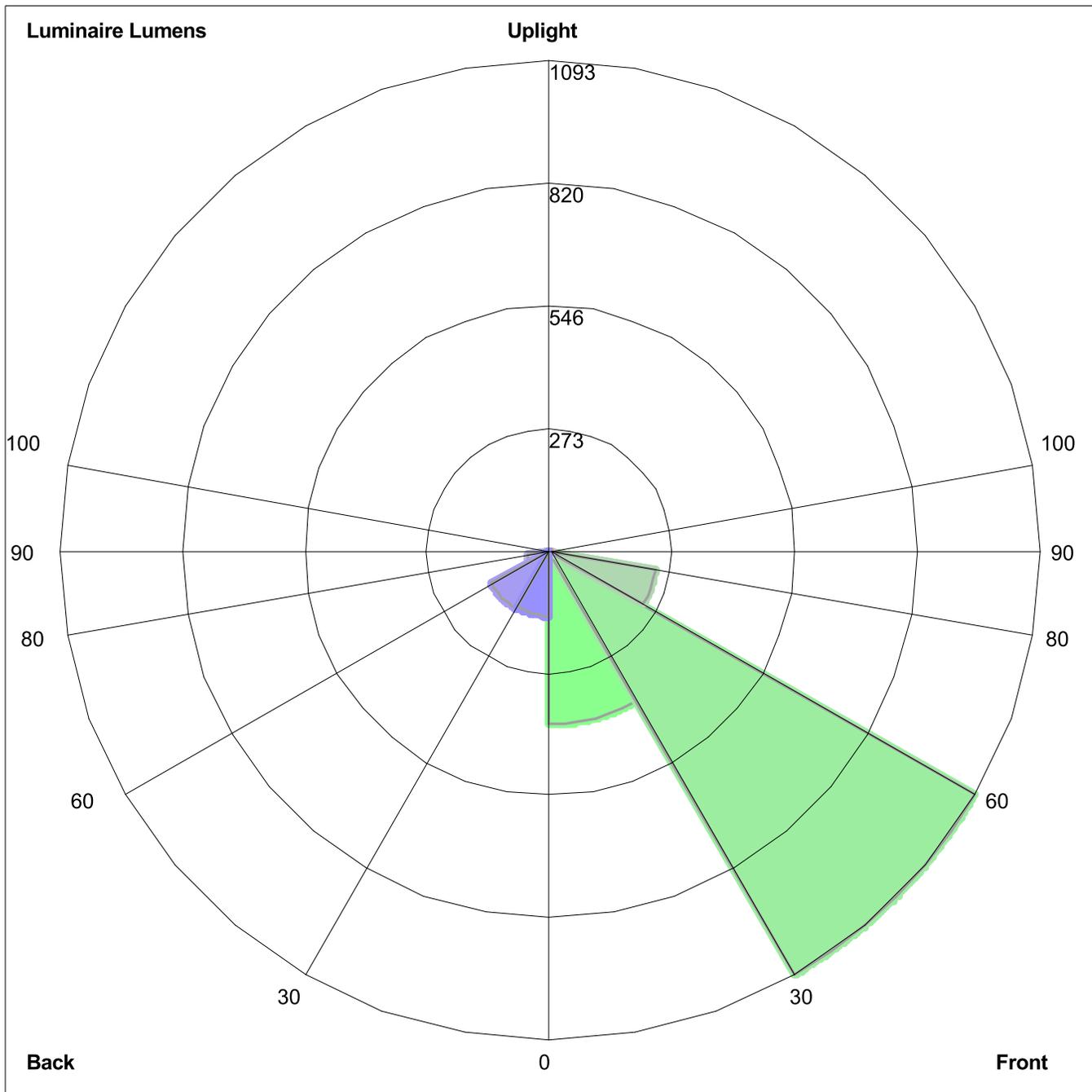
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE**



Distance In Units Of Mounting Height  
Values Based On 10 Foot Mounting Height  
1/2 Maximum Candela Trace Shown As Dashed Curve  
(+) = Maximum Candela Point

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WDGE2 LED P2SW 40K 80CRI VW.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**



Luminaire Lumens:  
Front: Low=388.1, Medium= 1093.0, High=239.4, Very High=4.6  
Back: Low=145.7, Medium=148.4, High=49.2, Very High=5.8  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0



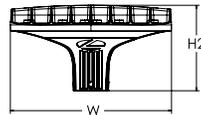
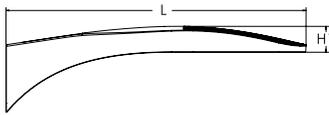
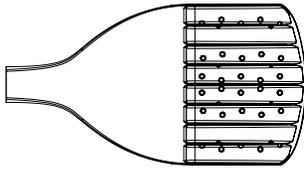
# D-Series Size 0 LED Area Luminaire



d#series

## Specifications

- EPA:** 0.44 ft<sup>2</sup>  
(0.04 m<sup>2</sup>)
- Length:** 26.18"  
(66.5 cm)
- Width:** 14.06"  
(35.7 cm)
- Height H1:** 2.26"  
(5.7 cm)
- Height H2:** 7.46"  
(18.9 cm)
- Weight:** 23 lbs  
(10.4 kg)



Catalog  
Number

Notes

Type

**TYPE OWB**

Hit the Tab key or mouse over the page to see all interactive elements.

## Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

## Ordering Information

**EXAMPLE:** DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED	Series	LEDs	Color temperature <sup>2</sup>	Color Rendering Index <sup>2</sup>	Distribution	Voltage	Mounting		
	DSX0 LED	<b>Forward optics</b>	(this section 70CRI only)		AFR Automotive front row	MVOLT (120V-277V) <sup>4</sup> HVOLT (347V-480V) <sup>5,6</sup> XVOLT (277V-480V) <sup>7,8</sup>	<b>Shipped included</b>		
			P1 P5	30K 3000K	70CRI			T5M Type V medium	SPA Square pole mounting (#8 drilling, 3.5" min. SQ pole)
			P2 P6	40K 4000K	70CRI			T1S Type I short	RPA Round pole mounting (#8 drilling, 3" min. RND pole)
			P3 P7	50K 5000K	70CRI			T2M Type II medium	SPA5 Square pole mounting (#5 drilling, 3" min. SQ pole) <sup>9</sup>
			P4	(this section 80CRI only, extended lead times apply)				T3M Type III medium	RPA5 Round pole mounting (#5 drilling, 3" min. RND pole) <sup>9</sup>
			<b>Rotated optics</b>					T3LG Type III low glare <sup>3</sup>	SPA8N Square narrow pole mounting (#8 drilling, 3" min. SQ pole)
		P10 <sup>1</sup> P12 <sup>1</sup>	27K 2700K	80CRI	T4M Type IV medium	WBA Wall bracket <sup>10</sup>			
		P11 <sup>1</sup> P13 <sup>1</sup>	30K 3000K	80CRI	T4LG Type IV low glare <sup>3</sup>		MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)		
			35K 3500K	80CRI	TFTM Forward throw medium				
			40K 4000K	80CRI					
			40K 4000K	80CRI					
			50K 5000K	80CRI					

Control options	Other options	Finish (required)
<p><b>Shipped installed</b></p> <p>NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.<sup>11, 12, 18, 19</sup></p> <p>PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.<sup>13, 18, 19</sup></p> <p>PER NEMA twist-lock receptacle only (controls ordered separate)<sup>14</sup></p> <p>PER5 Five-pin receptacle only (controls ordered separate)<sup>14, 19</sup></p> <p>PER7 Seven-pin receptacle only (controls ordered separate)<sup>14, 19</sup></p> <p>FAO Field adjustable output<sup>15, 19</sup></p> <p>BL30 Bi-level switched dimming, 30%<sup>16, 19</sup></p> <p>BL50 Bi-level switched dimming, 50%<sup>16, 19</sup></p> <p>DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)<sup>17</sup></p>	<p><b>Shipped installed</b></p> <p>HS Houseside shield (black finish standard)<sup>20</sup></p> <p>L90 Left rotated optics<sup>1</sup></p> <p>R90 Right rotated optics<sup>1</sup></p> <p>CCE Coastal Construction<sup>21</sup></p> <p>HA 50°C ambient operation<sup>22</sup></p> <p><b>Shipped separately</b></p> <p>EGSR External Glare Shield (reversible, field install required, matches housing finish)</p> <p>BSDB Bird Spikes (field install required)</p>	<p>DDBXD Dark Bronze</p> <p>DBLXD Black</p> <p>DNAXD Natural Aluminum</p> <p>DWHXD White</p> <p>DDBTXD Textured dark bronze</p> <p>DBLTXD Textured black</p> <p>DNATXD Textured natural aluminum</p> <p>DWHGXD Textured white</p> <p><b>TBD</b></p>



## Ordering Information

### Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>23</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>23</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>23</sup>
DSHORT SBK	Shorting cap <sup>23</sup>
DSXHS P#	House-side shield (enter package number P1-7, P10-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXOEGSR (FINISH)	External glare shield (specify finish)
DSXOBSDB (FINISH)	Bird spike deterrent bracket (specify finish)

### NOTES

- 1 Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
- 2 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
- 3 T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
- 4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 5 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- 6 HVOLT not available with package P1, P2 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
- 7 XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- 8 XVOLT not available in packages P1, P2 or P10.
- 9 SPAS and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
- 10 WBA cannot be combined with Type 5 distributions plus photocell (PER).
- 11 NLTAIR2 and PIRHN must be ordered together. For more information on nLight Air 2.
- 12 NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50 and DMG. NLTAIR2 PIRHN not available with P1, P2 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1, P2 and P10 using XVOLT.
- 13 PIR not available with NLTAIR2, PER, PER5, PER7, FAO BL30, BL50 and DMG. PIR not available with P1, P2 and P10 using HVOLT. PIR not available with P1, P2 and P10 using XVOLT.
- 14 PER/PER5/PER7 not available with NLTAIR2, PIR, BL30, BL50. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- 15 FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, or DMG.
- 16 BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO and DMG.
- 17 DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50 and FAO.
- 18 Reference Motion Sensor Default Settings table on page 4 to see functionality.
- 19 Reference Controls Options table on page 4.
- 20 Option HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- 21 CCE option not available with option BS and EGSR. Contact Technical Support for availability.
- 22 Option HA not available with performance packages P6, P7, P12 and P13.
- 23 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.

## Shield Accessories



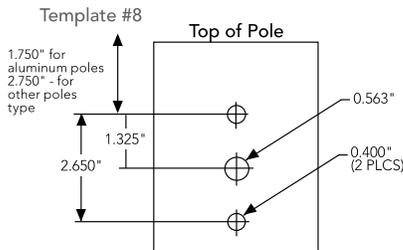
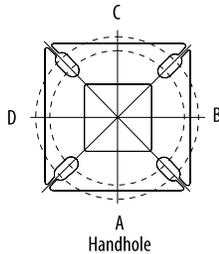
External Glare Shield (EGSR)



House Side Shield (HS)

## Drilling

### HANDHOLE ORIENTATION (from top of pole)



### Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
Minimum Acceptable Outside Pole Dimension							
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPAS	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

### DSX0 Area Luminaire - EPA

\*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX0 with SPA	0.44	0.88	0.96	1.18	---	1.16
DSX0 with SPAS, SPA8N	0.51	1.02	1.06	1.26	---	1.29
DSX0 with RPA, RPA5	0.51	1.02	1.06	1.26	1.24	1.29
DSX0 with MA	0.64	1.28	1.24	1.67	1.70	1.93

# Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [homepage](#).

Isofootcandle plots for the DSX0 LED P7 40K 70CRI. Distances are in units of mounting height (20').



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier	
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
<b>25°C</b>	<b>77°C</b>	<b>1.00</b>
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.94
50,000	0.89
100,000	0.80

### FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

\*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use published values for each package based on input watts and lumens by optic type.

### Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A)					
					120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	20	530	34	0.28	0.16	0.14	0.12	0.10	0.07
	P2	20	700	45	0.38	0.22	0.19	0.16	0.13	0.09
	P3	20	1050	69	0.57	0.33	0.29	0.25	0.20	0.14
	P4	20	1400	94	0.78	0.45	0.39	0.34	0.27	0.19
	P5	40	700	89	0.75	0.43	0.38	0.33	0.26	0.19
	P6	40	1050	136	1.14	0.66	0.57	0.49	0.39	0.29
	P7	40	1300	170	1.42	0.82	0.71	0.62	0.49	0.36
Rotated Optics (Requires L90 or R90)	P10	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P11	30	700	67	0.57	0.33	0.28	0.25	0.20	0.14
	P12	30	1050	103	0.86	0.50	0.43	0.37	0.30	0.22
	P13	30	1300	129	1.07	0.62	0.54	0.46	0.37	0.27

### LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

### Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

### Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V



## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K								
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
P1	33W	20	530	T1S	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157				
				T2M	4,545	1	0	2	137	4,736	1	0	2	143	4,829	1	0	2	145				
				T3M	4,597	1	0	2	138	4,791	1	0	2	144	4,885	1	0	2	147				
				T3LG	4,107	1	0	1	124	4,280	1	0	1	129	4,363	1	0	1	131				
				T4M	4,666	1	0	2	141	4,863	1	0	2	146	4,957	1	0	2	149				
				T4LG	4,244	1	0	1	128	4,423	1	0	1	133	4,509	1	0	1	136				
				TFTM	4,698	1	0	2	141	4,896	1	0	2	147	4,992	1	0	2	150				
				T5M	4,801	3	0	1	145	5,003	3	0	1	151	5,101	3	0	1	154				
				T5W	4,878	3	0	1	147	5,084	3	0	2	153	5,183	3	0	2	156				
				T5LG	4,814	2	0	1	145	5,018	2	0	1	151	5,115	2	0	1	154				
				BLC3	3,344	0	0	1	101	3,485	0	0	1	105	3,553	0	0	1	107				
				BLC4	3,454	0	0	2	104	3,599	0	0	2	108	3,670	0	0	2	111				
				RCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108				
				LCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108				
				AFR	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157				
				P2	45W	20	700	T1S	6,328	1	0	1	140	6,595	1	0	1	146	6,724	1	0	1	149
								T2M	5,862	1	0	2	130	6,109	1	0	2	135	6,228	1	0	2	138
T3M	5,930	1	0					3	131	6,180	1	0	3	137	6,301	1	0	3	140				
T3LG	5,297	1	0					1	117	5,521	1	0	1	122	5,628	1	0	1	125				
T4M	6,018	1	0					3	133	6,272	1	0	3	139	6,395	1	0	3	142				
T4LG	5,474	1	0					1	121	5,705	1	0	1	126	5,816	1	0	1	129				
TFTM	6,060	1	0					3	134	6,316	1	0	3	140	6,439	1	0	3	143				
T5M	6,192	3	0					1	137	6,453	3	0	2	143	6,579	3	0	2	146				
T5W	6,293	3	0					2	139	6,558	3	0	2	145	6,686	3	0	2	148				
T5LG	6,210	2	0					1	138	6,472	3	0	1	143	6,598	3	0	1	146				
BLC3	4,313	0	0					2	96	4,495	0	0	2	100	4,583	0	0	2	102				
BLC4	4,455	0	0					2	99	4,643	0	0	2	103	4,733	0	0	2	105				
RCCO	4,352	0	0					2	96	4,536	0	0	2	100	4,624	0	0	2	102				
LCCO	4,352	0	0					2	96	4,536	0	0	2	100	4,624	0	0	2	102				
AFR	6,328	1	0					1	140	6,595	1	0	1	146	6,724	1	0	1	149				
P3	69W	20	1050					T1S	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139
								T2M	8,343	2	0	3	121	8,694	2	0	3	126	8,864	2	0	3	129
				T3M	8,439	2	0	3	122	8,795	2	0	3	128	8,967	2	0	3	130				
				T3LG	7,539	1	0	2	109	7,857	1	0	2	114	8,010	1	0	2	116				
				T4M	8,565	2	0	3	124	8,926	2	0	3	129	9,100	2	0	3	132				
				T4LG	7,790	1	0	2	113	8,119	1	0	2	118	8,277	1	0	2	120				
				TFTM	8,624	1	0	3	125	8,988	1	0	3	130	9,163	2	0	3	133				
				T5M	8,812	3	0	2	128	9,184	4	0	2	133	9,363	4	0	2	136				
				T5W	8,955	4	0	2	130	9,333	4	0	2	135	9,515	4	0	2	138				
				T5LG	8,838	3	0	1	128	9,211	3	0	1	134	9,390	3	0	1	136				
				BLC3	6,139	0	0	2	89	6,398	0	0	2	93	6,522	0	0	2	95				
				BLC4	6,340	0	0	3	92	6,607	0	0	3	96	6,736	0	0	3	98				
				RCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95				
				LCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95				
				AFR	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139				
				P4	93W	20	1400	T1S	11,396	1	0	2	122	11,877	1	0	2	128	12,109	2	0	2	130
								T2M	10,557	2	0	3	113	11,003	2	0	3	118	11,217	2	0	3	121
T3M	10,680	2	0					3	115	11,130	2	0	3	120	11,347	2	0	3	122				
T3LG	9,540	1	0					2	103	9,942	1	0	2	107	10,136	1	0	2	109				
T4M	10,839	2	0					3	117	11,296	2	0	3	121	11,516	2	0	4	124				
T4LG	9,858	1	0					2	106	10,274	1	0	2	110	10,474	1	0	2	113				
TFTM	10,914	2	0					3	117	11,374	2	0	3	122	11,596	2	0	3	125				
T5M	11,152	4	0					2	120	11,622	4	0	2	125	11,849	4	0	2	127				
T5W	11,332	4	0					3	122	11,811	4	0	3	127	12,041	4	0	3	129				
T5LG	11,184	3	0					1	120	11,656	3	0	2	125	11,883	3	0	2	128				
BLC3	7,768	0	0					2	83	8,096	0	0	2	87	8,254	0	0	2	89				
BLC4	8,023	0	0					3	86	8,362	0	0	3	90	8,524	0	0	3	92				
RCCO	7,838	1	0					2	84	8,169	1	0	2	88	8,328	1	0	2	90				
LCCO	7,838	1	0					2	84	8,169	1	0	2	88	8,328	1	0	2	90				
AFR	11,396	1	0					2	122	11,877	1	0	2	128	12,109	2	0	2	130				



## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P5	90W	40	700	T1S	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
				T2M	11,468	2	0	3	127	11,952	2	0	3	133	12,185	2	0	3	135
				T3M	11,601	2	0	3	129	12,091	2	0	3	134	12,326	2	0	4	137
				T3LG	10,363	2	0	2	115	10,800	2	0	2	120	11,011	2	0	2	122
				T4M	11,774	2	0	4	131	12,271	2	0	4	136	12,510	2	0	4	139
				T4LG	10,709	1	0	2	119	11,160	2	0	2	124	11,378	2	0	2	126
				TFTM	11,856	2	0	3	132	12,356	2	0	4	137	12,596	2	0	4	140
				T5M	12,114	4	0	2	134	12,625	4	0	2	140	12,871	4	0	2	143
				T5W	12,310	4	0	3	137	12,830	4	0	3	142	13,080	4	0	3	145
				T5LG	12,149	3	0	2	135	12,662	3	0	2	141	12,908	3	0	2	143
				BLC3	8,438	0	0	2	94	8,794	0	0	2	98	8,966	0	0	2	99
				BLC4	8,715	0	0	3	97	9,083	0	0	3	101	9,260	0	0	3	103
				RCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				LCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				AFR	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
				P6	137W	40	1050	T1S	17,545	2	0	3	128	18,285	2	0	3	133	18,642
T2M	16,253	3	0					4	119	16,939	3	0	4	124	17,269	3	0	4	126
T3M	16,442	2	0					4	120	17,135	3	0	4	125	17,469	3	0	4	128
T3LG	14,687	2	0					2	107	15,306	2	0	2	112	15,605	2	0	2	114
T4M	16,687	2	0					4	122	17,391	3	0	5	127	17,730	3	0	5	129
T4LG	15,177	2	0					2	111	15,817	2	0	2	115	16,125	2	0	2	118
TFTM	16,802	2	0					4	123	17,511	2	0	4	128	17,852	2	0	5	130
T5M	17,168	4	0					2	125	17,893	5	0	3	131	18,241	5	0	3	133
T5W	17,447	5	0					3	127	18,183	5	0	3	133	18,537	5	0	3	135
T5LG	17,218	4	0					2	126	17,944	4	0	2	131	18,294	4	0	2	134
BLC3	11,959	0	0					3	87	12,464	0	0	3	91	12,707	0	0	3	93
BLC4	12,352	0	0					4	90	12,873	0	0	4	94	13,124	0	0	4	96
RCCO	12,067	1	0					3	88	12,576	1	0	3	92	12,821	1	0	3	94
LCCO	12,067	1	0					3	88	12,576	1	0	3	92	12,821	1	0	3	94
AFR	17,545	2	0					3	128	18,285	2	0	3	133	18,642	2	0	3	136
P7	171W	40	1300					T1S	20,806	2	0	3	122	21,683	2	0	3	127	22,106
				T2M	19,273	3	0	4	113	20,086	3	0	4	118	20,478	3	0	4	120
				T3M	19,497	3	0	5	114	20,319	3	0	5	119	20,715	3	0	5	121
				T3LG	17,416	2	0	2	102	18,151	2	0	2	106	18,504	2	0	2	108
				T4M	19,787	3	0	5	116	20,622	3	0	5	121	21,024	3	0	5	123
				T4LG	17,997	2	0	2	105	18,756	2	0	2	110	19,121	2	0	2	112
				TFTM	19,924	3	0	5	117	20,765	3	0	5	122	21,170	3	0	5	124
				T5M	20,359	5	0	3	119	21,217	5	0	3	124	21,631	5	0	3	127
				T5W	20,689	5	0	3	121	21,561	5	0	3	126	21,982	5	0	3	129
				T5LG	20,418	4	0	2	120	21,279	4	0	2	125	21,694	4	0	2	127
				BLC3	14,182	0	0	3	83	14,780	0	0	3	87	15,068	0	0	3	88
				BLC4	14,647	0	0	4	86	15,265	0	0	4	89	15,562	0	0	4	91
				RCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				LCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				AFR	20,806	2	0	3	122	21,683	2	0	3	127	22,106	2	0	3	129



Performance Data

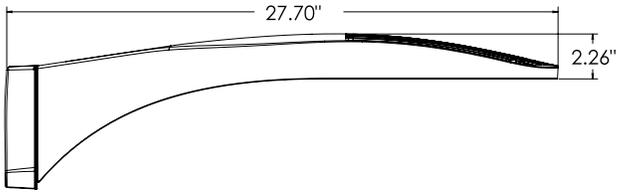
Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

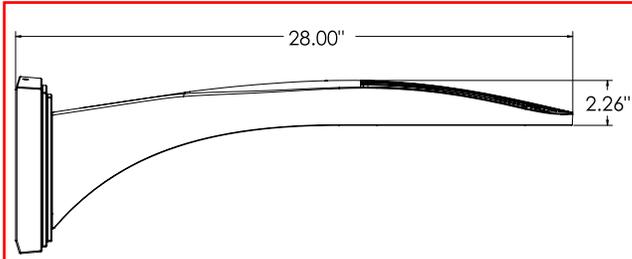
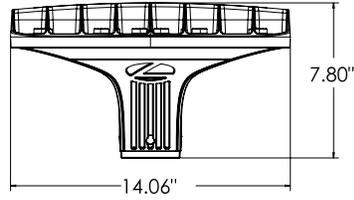
Rotated Optics																			
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P10	51W	30	530	T1S	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154
				T2M	6,854	3	0	3	135	7,144	3	0	3	140	7,283	3	0	3	143
				T3M	6,933	3	0	3	136	7,225	3	0	3	142	7,366	3	0	3	145
				T3LG	6,194	2	0	2	122	6,455	2	0	2	127	6,581	2	0	2	129
				T4M	7,036	3	0	3	138	7,333	3	0	3	144	7,476	3	0	3	147
				T4LG	6,399	2	0	2	126	6,669	2	0	2	131	6,799	2	0	2	134
				TFTM	7,086	3	0	3	139	7,385	3	0	3	145	7,529	3	0	3	148
				T5M	7,239	3	0	2	142	7,545	3	0	2	148	7,692	3	0	2	151
				T5W	7,357	3	0	2	145	7,667	3	0	2	151	7,816	4	0	2	154
				T5LG	7,260	3	0	1	143	7,567	3	0	1	149	7,714	3	0	1	152
				BLC3	5,043	3	0	3	99	5,256	3	0	3	103	5,358	3	0	3	105
				BLC4	5,208	3	0	3	102	5,428	3	0	3	107	5,534	3	0	3	109
				RCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106
				LCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106
				AFR	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154
				P11	68W	30	700	T1S	9,358	3	0	3	138	9,753	3	0	3	143	9,943
T2M	8,669	3	0					3	127	9,034	3	0	3	133	9,211	3	0	3	135
T3M	8,768	3	0					3	129	9,138	3	0	3	134	9,316	3	0	3	137
T3LG	7,833	3	0					3	115	8,164	3	0	3	120	8,323	3	0	3	122
T4M	8,899	3	0					3	131	9,274	3	0	3	136	9,455	3	0	3	139
T4LG	8,093	3	0					3	119	8,435	3	0	3	124	8,599	3	0	3	126
TFTM	8,962	3	0					3	132	9,340	3	0	3	137	9,522	3	0	3	140
T5M	9,156	4	0					2	135	9,542	4	0	2	140	9,728	4	0	2	143
T5W	9,304	4	0					2	137	9,696	4	0	2	143	9,885	4	0	2	145
T5LG	9,182	3	0					1	135	9,569	3	0	1	141	9,756	3	0	1	143
BLC3	6,378	3	0					3	94	6,647	3	0	3	98	6,777	3	0	3	100
BLC4	6,587	3	0					3	97	6,865	3	0	3	101	6,999	3	0	3	103
RCCO	6,436	0	0					2	95	6,707	0	0	2	99	6,838	0	0	2	101
LCCO	6,436	0	0					2	95	6,707	0	0	2	99	6,838	0	0	2	101
AFR	9,358	3	0					3	138	9,753	3	0	3	143	9,943	3	0	3	146
P12	103W	30	1050					T1S	13,247	3	0	3	128	13,806	3	0	3	134	14,075
				T2M	12,271	4	0	4	119	12,789	4	0	4	124	13,038	4	0	4	126
				T3M	12,412	4	0	4	120	12,935	4	0	4	125	13,187	4	0	4	128
				T3LG	11,089	3	0	3	107	11,556	3	0	3	112	11,782	3	0	3	114
				T4M	12,597	4	0	4	122	13,128	4	0	4	127	13,384	4	0	4	129
				T4LG	11,457	3	0	3	111	11,940	3	0	3	116	12,173	3	0	3	118
				TFTM	12,686	4	0	4	123	13,221	4	0	4	128	13,479	4	0	4	130
				T5M	12,960	4	0	2	125	13,507	4	0	2	131	13,770	4	0	2	133
				T5W	13,170	4	0	3	127	13,726	4	0	3	133	13,994	4	0	3	135
				T5LG	12,998	3	0	2	126	13,546	3	0	2	131	13,810	3	0	2	134
				BLC3	9,029	3	0	3	87	9,409	3	0	3	91	9,593	3	0	3	93
				BLC4	9,324	4	0	4	90	9,718	4	0	4	94	9,907	4	0	4	96
				RCCO	9,110	1	0	2	88	9,495	1	0	2	92	9,680	1	0	2	94
				LCCO	9,110	1	0	2	88	9,494	1	0	2	92	9,680	1	0	2	94
				AFR	13,247	3	0	3	128	13,806	3	0	3	134	14,075	3	0	3	136
				P13	129W	30	1300	T1S	15,704	3	0	3	122	16,366	3	0	3	127	16,685
T2M	14,547	4	0					4	113	15,161	4	0	4	118	15,457	4	0	4	120
T3M	14,714	4	0					4	114	15,335	4	0	4	119	15,634	4	0	4	121
T3LG	13,145	3	0					3	102	13,700	3	0	3	106	13,967	3	0	3	108
T4M	14,933	4	0					4	116	15,563	4	0	4	121	15,867	4	0	4	123
T4LG	13,582	3	0					3	105	14,155	3	0	3	110	14,431	3	0	3	112
TFTM	15,039	4	0					4	117	15,673	4	0	4	122	15,979	4	0	4	124
T5M	15,364	4	0					2	119	16,013	4	0	2	124	16,325	4	0	2	127
T5W	15,613	5	0					3	121	16,272	5	0	3	126	16,589	5	0	3	129
T5LG	15,409	3	0					2	120	16,059	3	0	2	125	16,372	4	0	2	127
BLC3	10,703	4	0					4	83	11,155	4	0	4	87	11,372	4	0	4	88
BLC4	11,054	4	0					4	86	11,520	4	0	4	89	11,745	4	0	4	91
RCCO	10,800	1	0					2	84	11,256	1	0	2	87	11,475	1	0	3	89
LCCO	10,800	1	0					2	84	11,255	1	0	2	87	11,475	1	0	3	89
AFR	15,704	3	0					3	122	16,366	3	0	3	127	16,685	4	0	4	130



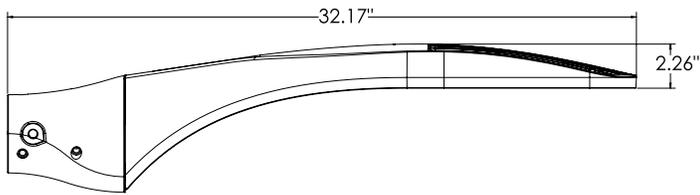
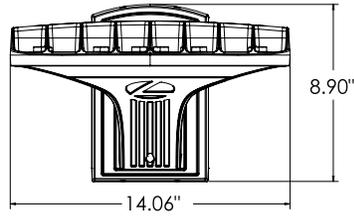
**Dimensions**



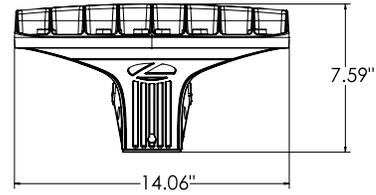
**DSX0 with RPA, RPA5, SPA5, SPA8N mount**  
**Weight: 25 lbs**



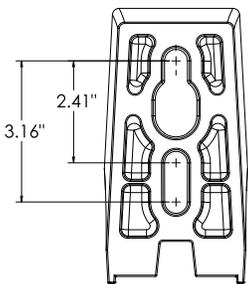
**DSX0 with WBA mount**  
**Weight: 27 lb**



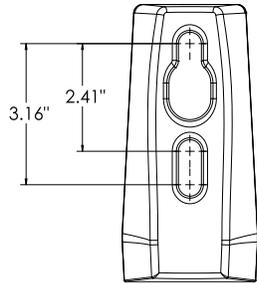
**DSX0 with MA mount**  
**Weight: 28 lbs**



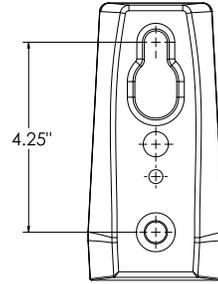
**SPA (STANDARD ARM)**



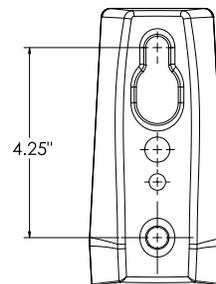
**RPA**



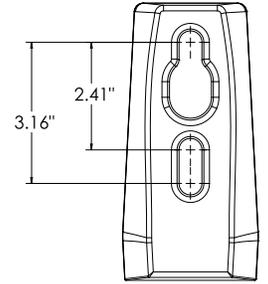
**SPA5**



**RPA5**



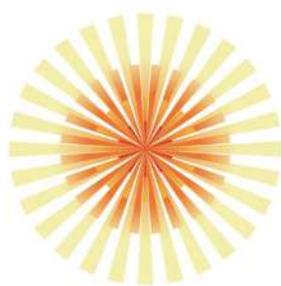
**SPA8N**



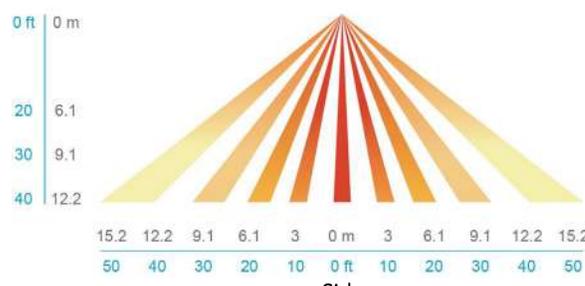
## nLight Control - Sensor Coverage and Settings

### nLight Sensor Coverage Pattern

#### NLTAIR2 PIRHN



Top



Side

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 3G. Low EPA (0.44 ft<sup>2</sup>) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### COASTAL CONSTRUCTION (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

### OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L80/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### STANDARD CONTROLS

The DSX0 LED area luminaire has a number of control options. DSX Size 0, comes standard with 0-10V dimming driver. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. PIR integrated motion sensor with on-board photocell feature field-adjustable programming and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

### nLIGHT AIR CONTROLS

The DSX0 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocell functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

### INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

### LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

### WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : DSX0 LED P1 40K 70CRI T2M HS.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] ISF 222160P5  
[ISSUE DATE] 11/10/2022  
[TESTLAB] SCALED PHOTOMETRY  
[MANUFAC] Lithonia Lighting  
[LUMCAT] DSX0 LED P1 40K 70CRI T2M HS  
[LUMINAIRE] D-Series Size 0 Area Luminaire P1 Performance Package 4000K CCT 70 CRI Type 2 Medium Houseside Shield  
[DISTRIBUTION] TYPE III, MEDIUM, BUG RATING: B1 - U0 - G2  
[\_TOTALLUMINAIRELUMENS] 4110  
[\_INPUTWATTAGE] 33.21  
[\_LAMPTYPE] LED  
[\_MOUNTING] OUTDOOR  
[\_PHYSICALDIMENSIONS] 0.79, 1.14, 0  
[\_PRODUCTID] 27890dd3-482f-452e-a8f7-67a77ad901aa  
[\_SERIES] DSX0  
[\_SERIESID] 596134

**CHARACTERISTICS**

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4109
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	33.21
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3618.681
Maximum Candela Angle	70H 72.5V
Maximum Candela (<90 Degrees Vertical)	3618.681
Maximum Candela Angle (<90 Degrees Vertical)	70H 72.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2206.582 (53.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

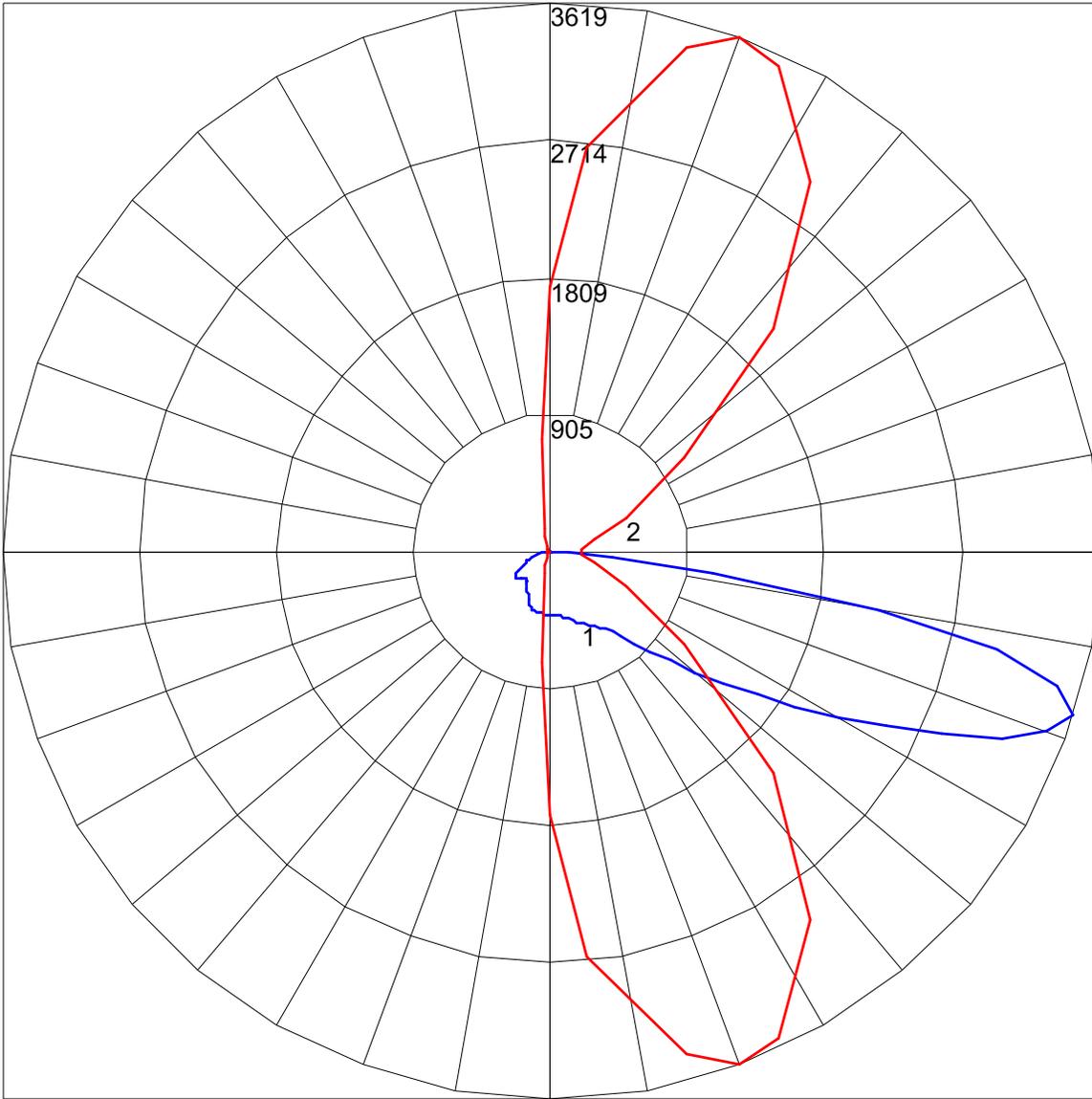
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DSX0 LED P1 40K 70CRI T2M HS.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	212.7	N.A.	5.2
FM - Front-Medium (30-60)	1380.9	N.A.	33.6
FH - Front-High (60-80)	1840.9	N.A.	44.8
FVH - Front-Very High (80-90)	122.9	N.A.	3.0
BL - Back-Low (0-30)	123.5	N.A.	3.0
BM - Back-Medium (30-60)	255.6	N.A.	6.2
BH - Back-High (60-80)	166.8	N.A.	4.1
BVH - Back-Very High (80-90)	5.8	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	4109.1	N.A.	100.0
BUG Rating	B1-U0-G2		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DSX0 LED P1 40K 70CRI T2M HS.IES**

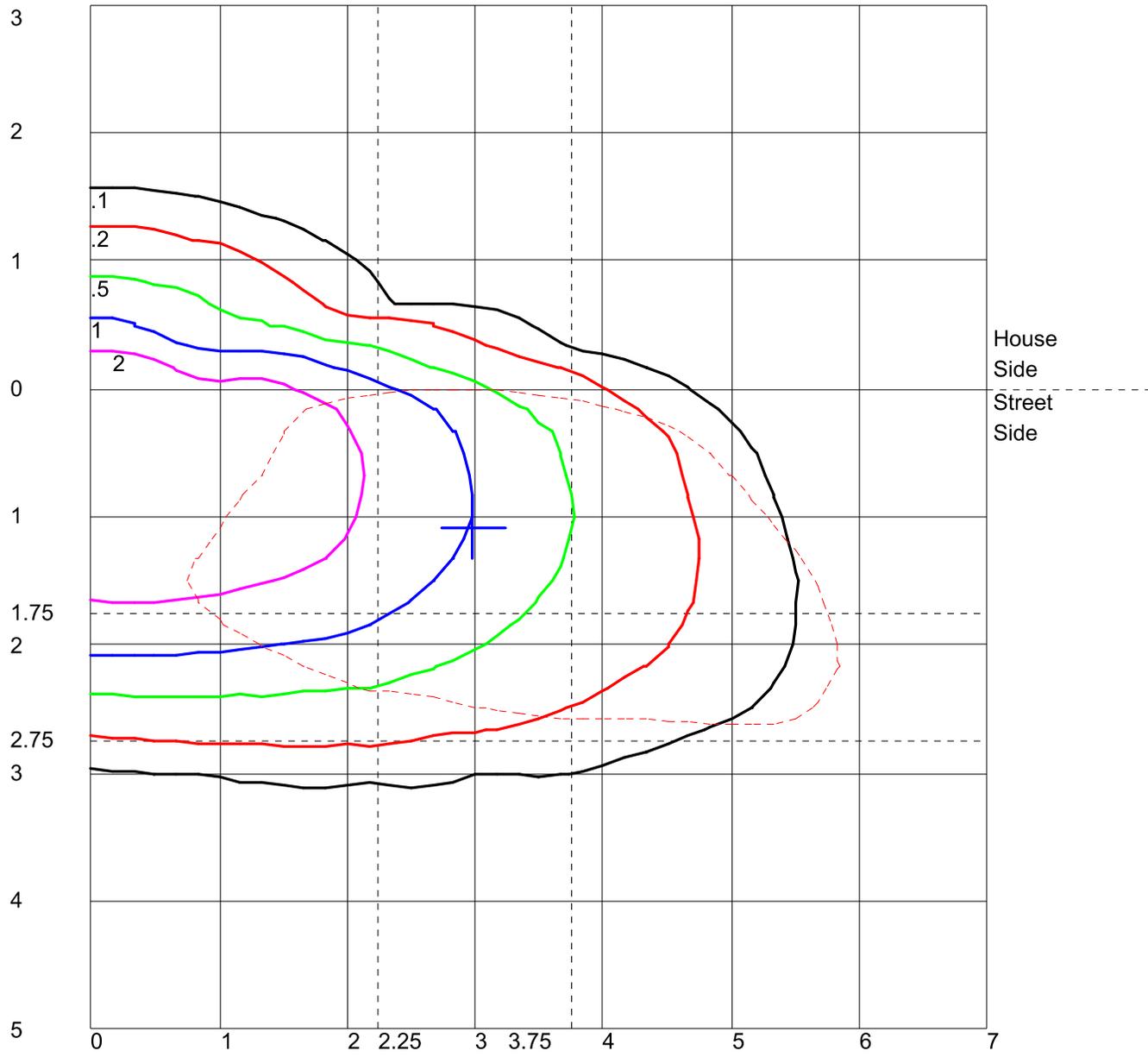
**POLAR GRAPH**



Maximum Candela = 3618.681 Located At Horizontal Angle = 70, Vertical Angle = 72.5  
# 1 - Vertical Plane Through Horizontal Angles (70 - 250) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DSX0 LED P1 40K 70CRI T2M HS.IES**

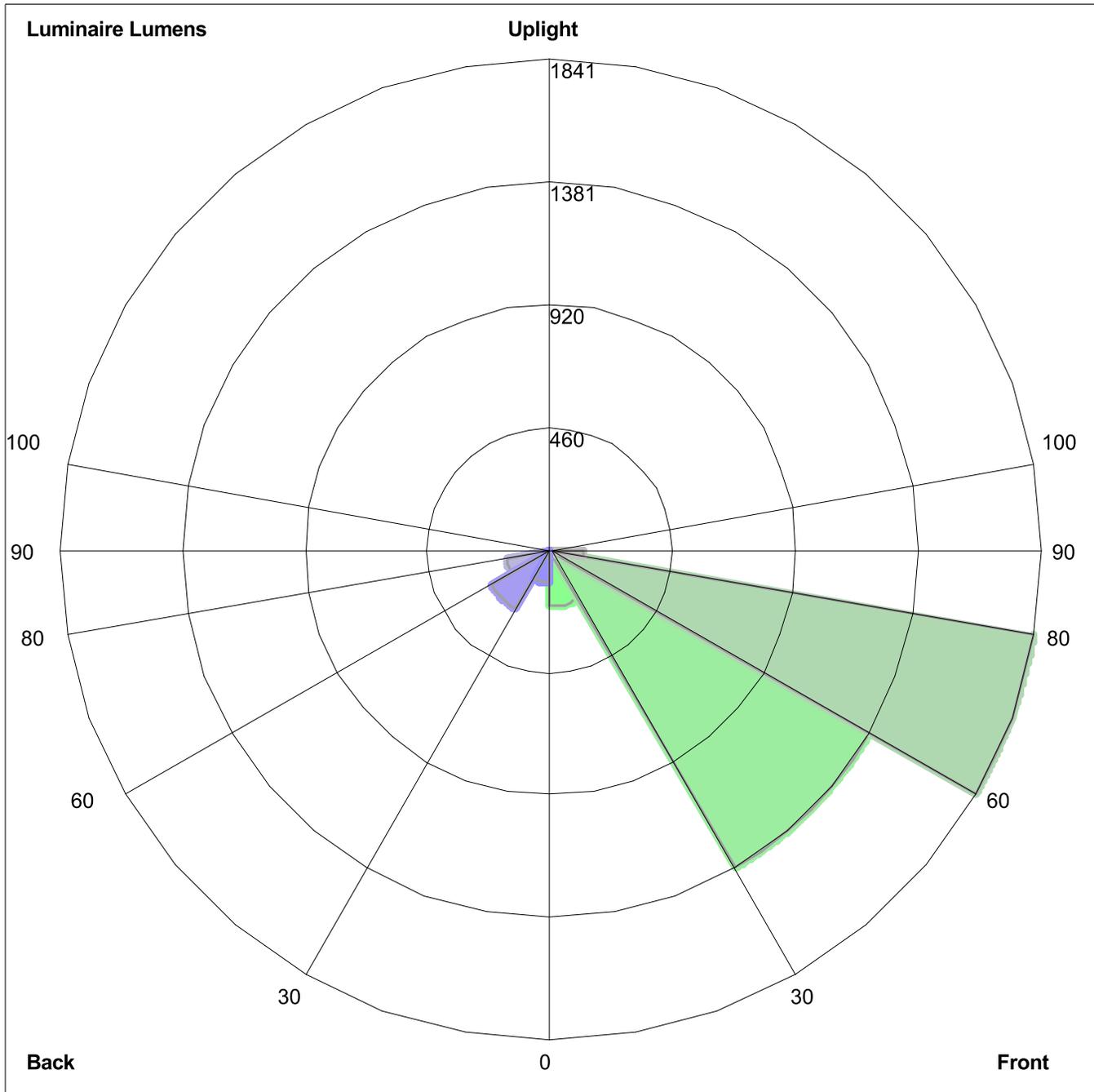
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE**



Distance In Units Of Mounting Height  
Values Based On 10 Foot Mounting Height  
1/2 Maximum Candela Trace Shown As Dashed Curve  
(+) = Maximum Candela Point

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DSX0 LED P1 40K 70CRI T2M HS.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**



Luminaire Lumens:  
Front: Low=212.7, Medium=1380.9, High=1840.9, Very High=122.9  
Back: Low=123.5, Medium=255.6, High=166.8, Very High=5.8  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G2



# WEDGE3 LED

## Architectural Wall Sconce



Catalog Number

Notes

Type

**TYPE OWC**

Hit the Tab key or mouse over the page to see all interactive elements.

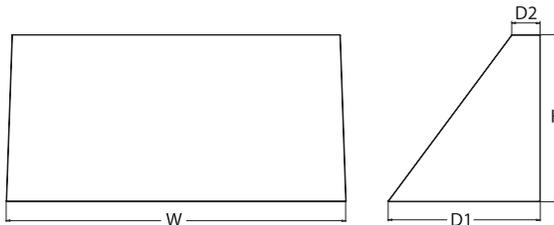
### Introduction

The WEDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wise solution. Embedded with nLight® AIR wireless controls, the WEDGE family provides additional energy savings and code compliance.

WEDGE3 has been designed to deliver up to 12,000 lumens through a precision refractive lens with wide distribution, perfect for augmenting the lighting from pole mounted luminaires.

### Specifications

- Depth (D1):** 8"
- Depth (D2):** 1.5"
- Height:** 9"
- Width:** 18"
- Weight:** 19.5 lbs  
(without options)



### WEDGE LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Sensor	Lumens (4000K)					
				P1	P2	P3	P4	P5	P6
WEDGE1 LED	4W	--	--	1,200	2,000	--	--	--	--
WEDGE2 LED	10W	18W	Standalone / nLight	1,200	2,000	3,000	4,500	6,000	--
WEDGE3 LED	15W	18W	Standalone / nLight	7,500	8,500	10,000	12,000	--	--
WEDGE4 LED	--	--	Standalone / nLight	12,000	16,000	18,000	20,000	22,000	25,000

### Ordering Information

**EXAMPLE: WEDGE3 LED P3 40K 70CRI R3 MVOLT SRM DDBXD**

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WEDGE3 LED	P1 P2 P3 P4	30K 3000K 40K 4000K 50K 5000K	70CRI 80CRI	R2 Type 2 R3 Type 3 R4 Type 4 RFT Forward Throw	MVOLT 347 <sup>1</sup> 480 <sup>1</sup>	<b>Shipped included</b> SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) <sup>4</sup>  <b>Shipped separately</b> AWS 3/8inch Architectural wall spacer PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.

Options	Finish
<b>E15WH</b> Emergency battery backup, Certified in CA Title 20 MAEDBS (15W, 5°C min) <b>E20WC</b> Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min) <b>PE<sup>2</sup></b> Photocell, Button Type <b>DMG<sup>3</sup></b> 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) <b>BCE</b> Bottom conduit entry for back box (PBBW). Total of 4 entry points. <b>SPD10KV</b> 10kV Surge pack <b>BAA</b> Buy America(n) Act Compliant  <b>Standalone Sensors/Controls</b> <b>PIR</b> Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. <b>PIRH</b> Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. <b>PIR1FC3V</b> Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation. <b>PIRH1FC3V</b> Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.  <b>Networked Sensors/Controls</b> <b>NLTAIR2 PIR</b> nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights. <b>NLTAIR2 PIRH</b> nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights. See page 4 for out of box functionality	<b>DDBXD</b> Dark bronze <b>DBLXD</b> Black <b>DNAXD</b> Natural aluminum <b>DWHXD</b> White <b>DSSXD</b> Sandstone <b>DDBTXD</b> Textured dark bronze <b>DBLTXD</b> Textured black <b>DNATXD</b> Textured natural aluminum <b>DWHGXD</b> Textured white <b>DSSTXD</b> Textured sandstone  <b>TBD</b>

### Accessories

Ordered and shipped separately.

- WDGEAWS DDBXD WEDGE 3/8inch Architectural Wall Spacer (specify finish)
- WDGE3PBBW DDBXD U WEDGE3 surface-mounted back box (specify finish)

### NOTES

- 1 347V and 480V not available with E15WH and E20WC.
- 2 PE not available in 480V and with sensors/controls.
- 3 DMG option not available with sensors/controls.
- 4 Not qualified for DLC. Not available with emergency battery backup or sensors/controls



COMMERCIAL OUTDOOR

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WEDGE3 LED  
Rev. 03/01/22

## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1	52W	R2	7,037	136	1	0	1	7,649	148	2	0	1	7,649	148	2	0	1
		R3	6,922	134	1	0	2	7,524	145	1	0	2	7,524	145	1	0	2
		R4	7,133	138	1	0	2	7,753	150	1	0	2	7,753	150	1	0	2
		RFT	6,985	135	1	0	2	7,592	147	1	0	2	7,592	147	1	0	2
P2	59W	R2	7,968	135	2	0	1	8,661	147	2	0	1	8,661	147	2	0	1
		R3	7,838	133	1	0	2	8,519	144	1	0	2	8,519	144	1	0	2
		R4	8,077	137	1	0	2	8,779	149	1	0	2	8,779	149	1	0	2
		RFT	7,909	134	1	0	2	8,597	146	2	0	2	8,597	146	2	0	2
P3	71W	R2	9,404	132	2	0	1	10,221	143	2	0	1	10,221	143	2	0	1
		R3	9,250	130	2	0	2	10,054	141	2	0	2	10,054	141	2	0	2
		R4	9,532	134	2	0	2	10,361	145	2	0	2	10,361	145	2	0	2
		RFT	9,334	131	2	0	2	10,146	142	2	0	2	10,146	142	2	0	2
P4	88W	R2	11,380	129	2	0	1	12,369	140	2	0	1	12,369	140	2	0	1
		R3	11,194	127	2	0	2	12,167	138	2	0	2	12,167	138	2	0	2
		R4	11,535	131	2	0	2	12,538	142	2	0	2	12,538	142	2	0	2
		RFT	11,295	128	2	0	2	12,277	139	2	0	2	12,277	139	2	0	2

### Electrical Load

Performance Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	52W	0.437	0.246	0.213	0.186	0.150	0.110
P2	59W	0.498	0.287	0.251	0.220	0.175	0.126
P3	71W	0.598	0.344	0.300	0.262	0.210	0.152
P4	88W	0.727	0.424	0.373	0.333	0.260	0.190

### Lumen Output in Emergency Mode (4000K, 70 CRI)

Option	Dist. Type	Lumens
E15WH	R2	3,185
	R3	3,133
	R4	3,229
	RFT	3,162
E20WC	R2	3,669
	R3	3,609
	R4	3,719
	RFT	3,642

### Lumen Multiplier for 80CRI

CCT	Multiplier
30K	0.891
40K	0.906
50K	0.906

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C / 32°F	1.05
10°C / 50°F	1.03
20°C / 68°F	1.01
25°C / 77°F	1.00
30°C / 86°F	0.99
40°C / 104°F	0.97

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

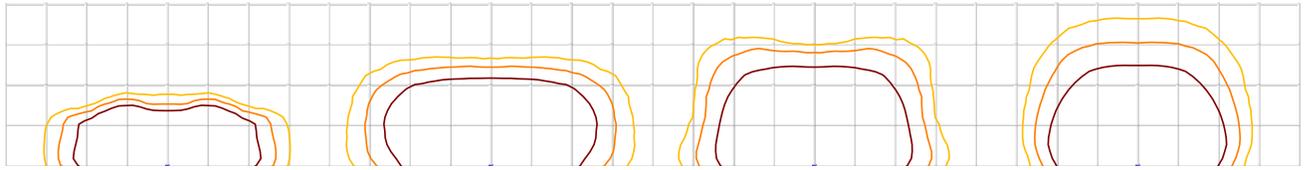
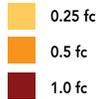
Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.98	>0.97	>0.92



## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

### LEGEND



MH = 15ft  
Grid = 15ft x 15ft

WDGE3 LED P3 40K 70CRI R2

WDGE3 LED P3 40K 70CRI R3

WDGE3 LED P3 40K 70CRI R4

WDGE3 LED P3 40K 70CRI RFT

## Emergency Egress Options

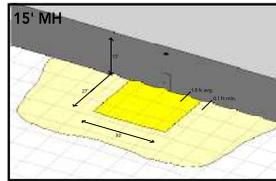
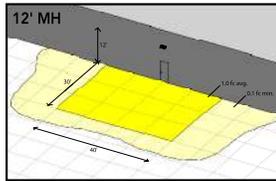
### Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain, minimum of 60% of the light output at the end of 90minutes.

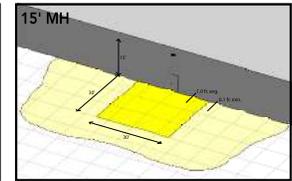
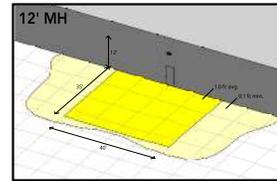
Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E15WH or E20WC and R4 distribution.

Grid = 10ft x 10ft



WDGE3 LED xx 40K 70CRI R4 MVOLT E15WH



WDGE3 LED xx 40K 70CRI R4 MVOLT E20WC

## Control / Sensor Options

### Motion/Ambient Sensor (PIR, PIRH)

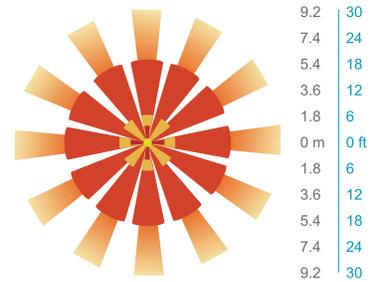
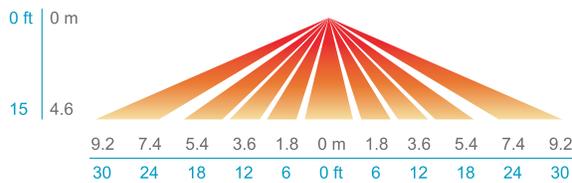
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

### Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

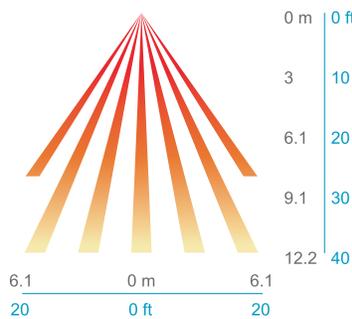
#### PIR

##### HIGH VIEW

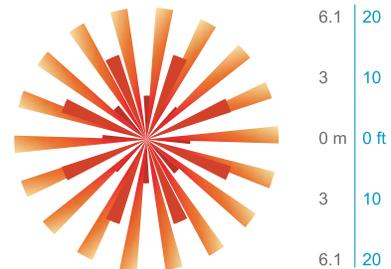


#### PIRH

##### SIDE VIEW



##### TOP VIEW



### Motion/Ambient Sensor Default Settings

Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec

## Mounting, Options & Accessories



**NLTAIR2 PIR – nLight AIR  
Motion/Ambient Sensor**

D = 8"  
H = 11"  
W = 18"



**PBBW – Surface-Mounted Back Box  
Use when there is no junction box available.**

D = 1.75"  
H = 9"  
W = 18"



**AWS – 3/8inch Architectural Wall Spacer**

D = 0.38"  
H = 4.4"  
W = 7.5"

## FEATURES & SPECIFICATIONS

### INTENDED USE

Common architectural look, with clean rectilinear shape, of the WEDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

### CONSTRUCTION

The single-piece die-cast aluminum housing to optimize thermal transfer from the light engine and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

### FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

### OPTICS

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. Light engines are available in 3000 K, 4000 K or 5000 K configurations. The WEDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L92/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

### INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

### LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated; luminaire is IP65 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature and SRM mounting only.

### BUY AMERICAN

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

### WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.





**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : WDGE3 LED P1 70CRI RFT 40K (1).IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] ISF 193586P2  
 [ISSUEDATE] 11/5/2019  
 [TESTLAB] ACUITY BRANDS LIGHTING, DECATUR LAB  
 [MANUFAC] Lithonia Lighting  
 [LUMCAT] WDGE3 LED P1 70CRI RFT 40K  
 [LUMINAIRE] WDGE3 LED WITH P1 - PERFORMANCE PACKAGE, 4000K, 70CRI, FORWARD THROW OPTIC  
 [DISTRIBUTION] TYPE IV, SHORT, BUG RATING: B1 - U0 - G2  
 [\_TOTALLUMINAIRELUMENS] 7592  
 [\_INPUTWATTAGE] 51.1717  
 [\_MOUNTING] WALL MOUNT  
 [\_PHYSICALDIMENSIONS] 1.5, 0.667, 0.75  
 [\_PRODUCTID] aa2e93a0-9b33-4a0a-81c5-a052bc0b7aba  
 [\_SERIES] WDGE3  
 [\_SERIESID] 993533

**CHARACTERISTICS**

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7592
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	51.1717
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3659.3
Maximum Candela Angle	27.5H 67.5V
Maximum Candela (<90 Degrees Vertical)	3659.3
Maximum Candela Angle (<90 Degrees Vertical)	27.5H 67.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	812.512 (10.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

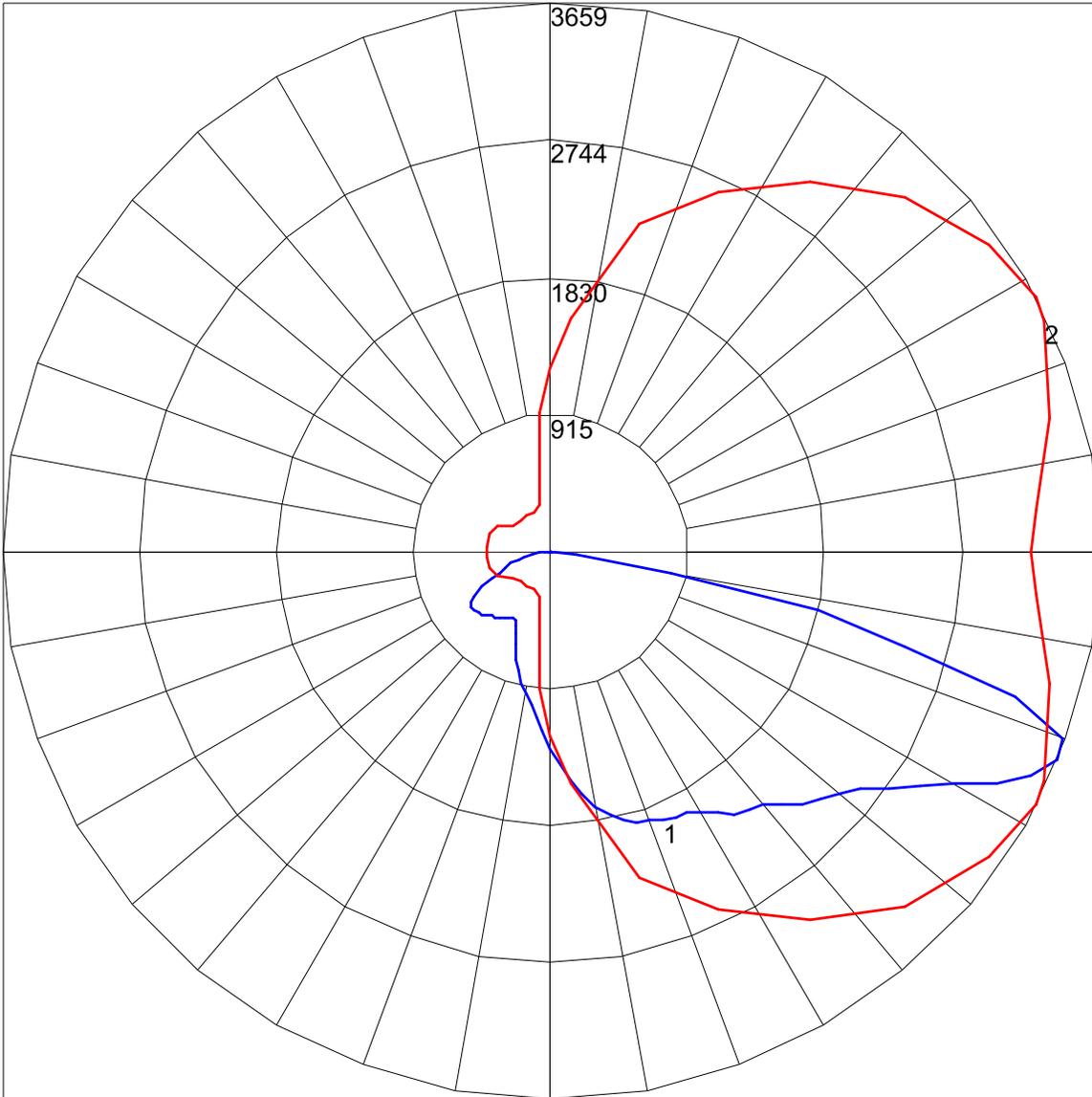
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WDGE3 LED P1 70CRI RFT 40K (1).IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	751.9	N.A.	9.9
FM - Front-Medium (30-60)	2838.4	N.A.	37.4
FH - Front-High (60-80)	2279.1	N.A.	30.0
FVH - Front-Very High (80-90)	46.1	N.A.	0.6
BL - Back-Low (0-30)	380.2	N.A.	5.0
BM - Back-Medium (30-60)	904.9	N.A.	11.9
BH - Back-High (60-80)	365.9	N.A.	4.8
BVH - Back-Very High (80-90)	25.4	N.A.	0.3
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	7591.9	N.A.	100.0
BUG Rating	B1-U0-G2		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WDGE3 LED P1 70CRI RFT 40K (1).IES**

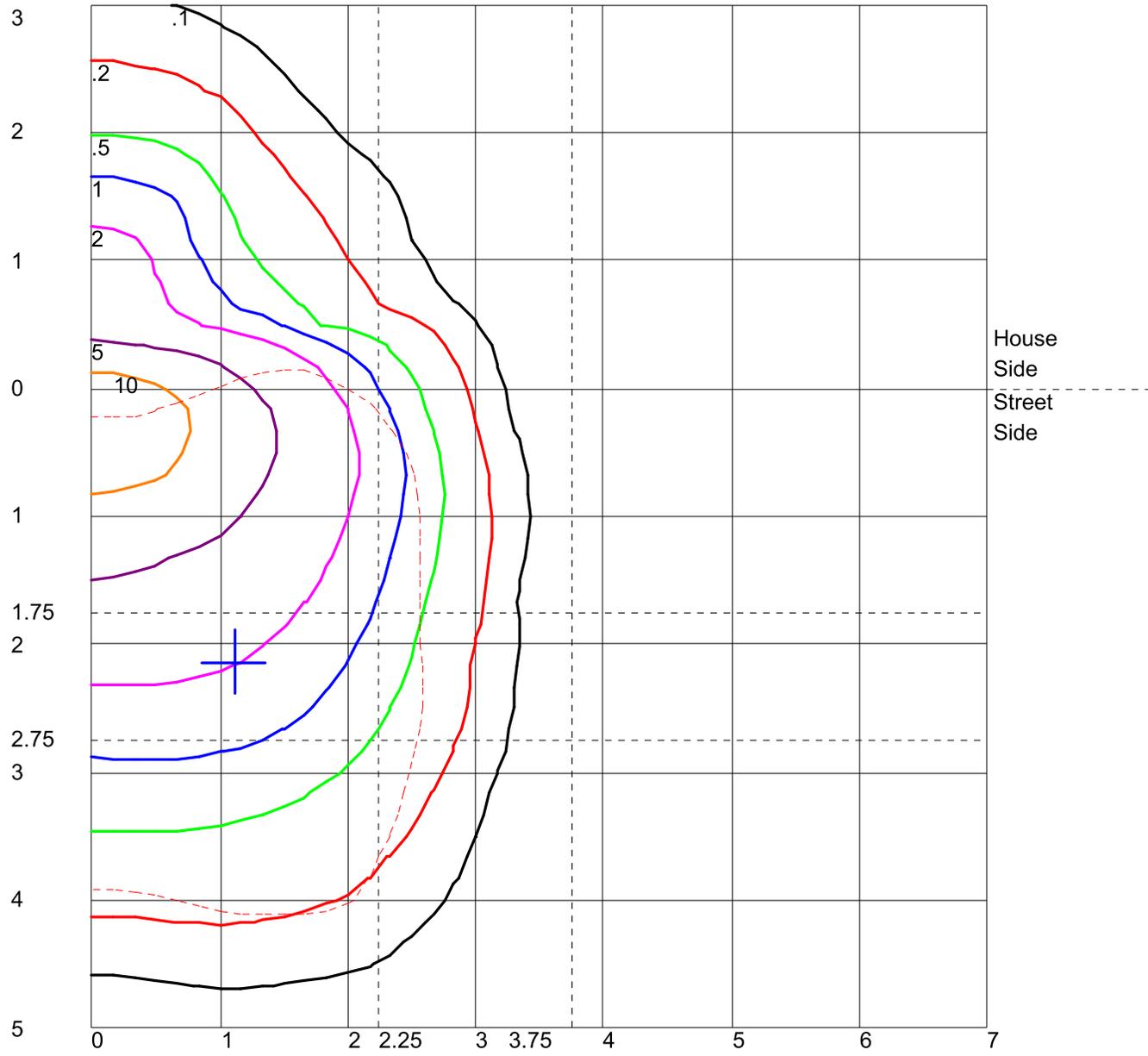
**POLAR GRAPH**



Maximum Candela = 3659.3 Located At Horizontal Angle = 27.5, Vertical Angle = 67.5  
# 1 - Vertical Plane Through Horizontal Angles (27.5 - 207.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WDG3 LED P1 70CRI RFT 40K (1).IES**

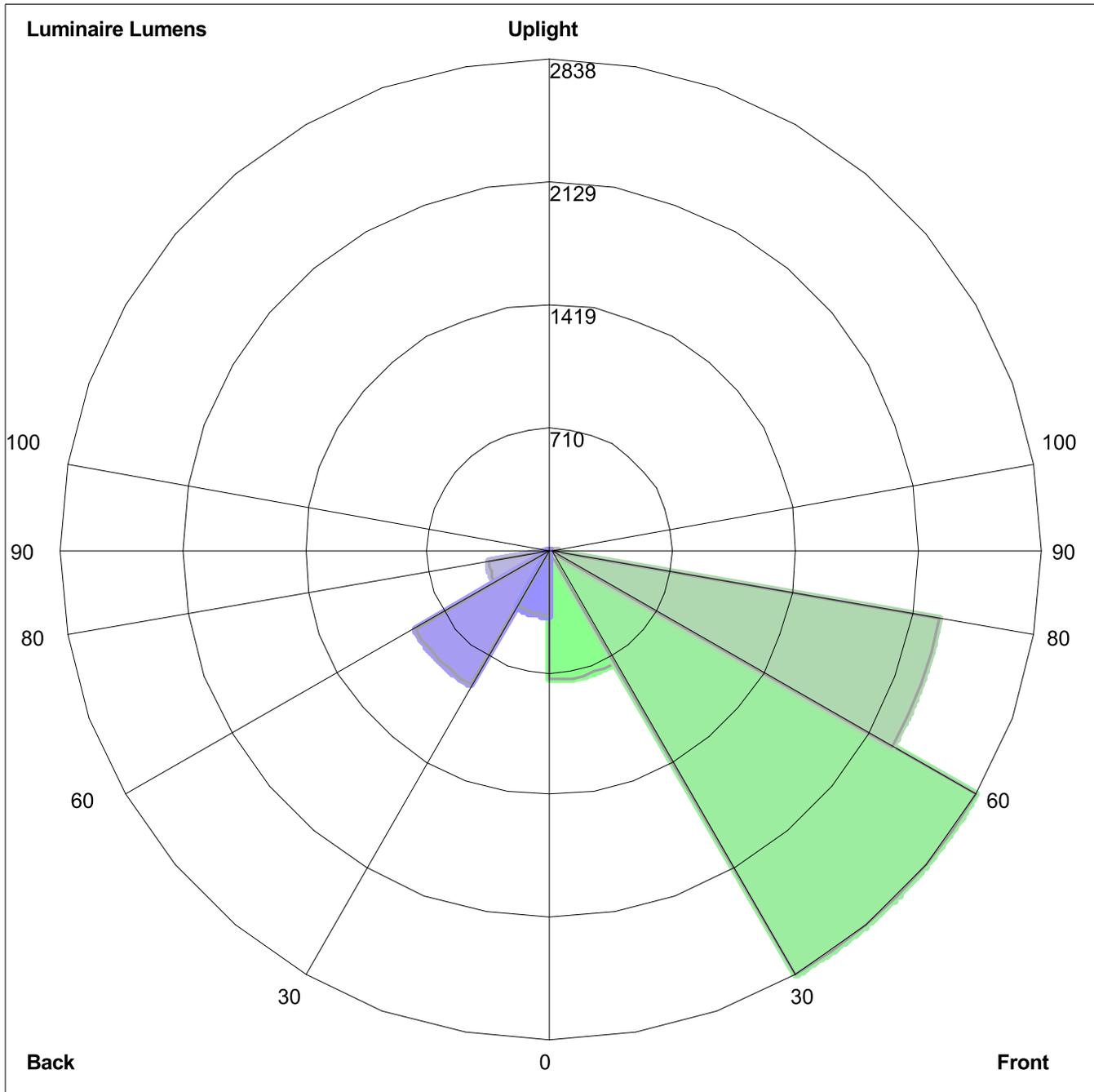
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE**



Distance In Units Of Mounting Height  
Values Based On 10 Foot Mounting Height  
1/2 Maximum Candela Trace Shown As Dashed Curve  
(+) = Maximum Candela Point

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WDGE3 LED P1 70CRI RFT 40K (1).IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**



Luminaire Lumens:  
Front: Low=751.9, Medium=2838.4, High=2279.1, Very High=46.1  
Back: Low=380.2, Medium=904.9, High=365.9, Very High=25.4  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G2



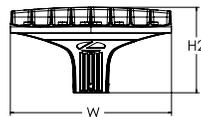
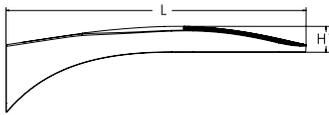
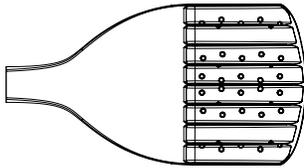
# D-Series Size 0 LED Area Luminaire



d<sup>#</sup>series

## Specifications

- EPA:** 0.44 ft<sup>2</sup>  
(0.04 m<sup>2</sup>)
- Length:** 26.18"  
(66.5 cm)
- Width:** 14.06"  
(35.7 cm)
- Height H1:** 2.26"  
(5.7 cm)
- Height H2:** 7.46"  
(18.9 cm)
- Weight:** 23 lbs  
(10.4 kg)



Catalog  
Number

Notes

Type

**TYPE OWD**

Hit the Tab key or mouse over the page to see all interactive elements.

## Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

## Ordering Information

**EXAMPLE:** DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED	Series	LEDs	Color temperature <sup>2</sup>	Color Rendering Index <sup>2</sup>	Distribution	Voltage	Mounting	
DSX0 LED	Forward optics	P1 P5 P2 P6 P3 P7 P4	(this section 70CRI only)		AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare <sup>3</sup> T4M Type IV medium T4LG Type IV low glare <sup>3</sup> TFTM Forward throw medium	T5M Type V medium T5LG Type V low glare T5W Type V wide BLC3 Type III backlight control <sup>3</sup> BLC4 Type IV backlight control <sup>3</sup> LCCO Left corner cutoff <sup>3</sup> RCCO Right corner cutoff <sup>3</sup>	MVOLT (120V-277V) <sup>4</sup> HVOLT (347V-480V) <sup>5,6</sup> XVOLT (277V-480V) <sup>7,8</sup>	<b>Shipped included</b> SPA Square pole mounting (#8 drilling, 3.5" min. SQ pole) RPA Round pole mounting (#8 drilling, 3" min. RND pole) SPA5 Square pole mounting (#5 drilling, 3" min. SQ pole) <sup>9</sup> RPA5 Round pole mounting (#5 drilling, 3" min. RND pole) <sup>9</sup> SPA8N Square narrow pole mounting (#8 drilling, 3" min. SQ pole) WBA Wall bracket <sup>10</sup> MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)
			30K 3000K	70CRI				
			40K 4000K	70CRI				
			50K 5000K	70CRI				
			(this section 80CRI only, extended lead times apply)					
			Rotated optics					
	P10 <sup>1</sup> P12 <sup>1</sup>	27K 2700K	80CRI					
	P11 <sup>1</sup> P13 <sup>1</sup>	30K 3000K	80CRI					
		35K 3500K	80CRI					
		40K 4000K	80CRI					
		50K 5000K	80CRI					

Control options	Other options	Finish (required)
<p><b>Shipped installed</b></p> <p>NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.<sup>11, 12, 18, 19</sup></p> <p>PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.<sup>13, 18, 19</sup></p> <p>PER NEMA twist-lock receptacle only (controls ordered separate)<sup>14</sup></p> <p>PERS Five-pin receptacle only (controls ordered separate)<sup>14, 19</sup></p> <p>PER7 Seven-pin receptacle only (controls ordered separate)<sup>14, 19</sup></p> <p>FAO Field adjustable output<sup>15, 19</sup></p> <p>BL30 Bi-level switched dimming, 30%<sup>16, 19</sup></p> <p>BL50 Bi-level switched dimming, 50%<sup>16, 19</sup></p> <p>DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)<sup>17</sup></p>	<p><b>Shipped installed</b></p> <p>HS Houseside shield (black finish standard)<sup>20</sup></p> <p>L90 Left rotated optics<sup>1</sup></p> <p>R90 Right rotated optics<sup>1</sup></p> <p>CCE Coastal Construction<sup>21</sup></p> <p>HA 50°C ambient operation<sup>22</sup></p> <p><b>Shipped separately</b></p> <p>EGSR External Glare Shield (reversible, field install required, matches housing finish)</p> <p>BSDB Bird Spikes (field install required)</p>	<p>DDBXD Dark Bronze</p> <p>DBLXD Black</p> <p>DNAXD Natural Aluminum</p> <p>DWHXD White</p> <p>DDBTXD Textured dark bronze</p> <p>DBLTXD Textured black</p> <p>DNATXD Textured natural aluminum</p> <p>DWHGXD Textured white</p> <p><b>TBD</b></p>



## Ordering Information

### Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>23</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>23</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>23</sup>
DSHORT SBK	Shorting cap <sup>23</sup>
DSXOHS P#	House-side shield (enter package number P1-7, P10-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXOEGSR (FINISH)	External glare shield (specify finish)
DSXOBSDB (FINISH)	Bird spike deterrent bracket (specify finish)

### NOTES

- Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
- 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
- T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- HVOLT not available with package P1, P2 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
- XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- XVOLT not available in packages P1, P2 or P10.
- SPAS and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
- WBA cannot be combined with Type 5 distributions plus photocell (PER).
- NLTAIR2 and PIRHN must be ordered together. For more information on nLight Air 2.
- NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50 and DMG. NLTAIR2 PIRHN not available with P1, P2 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1, P2 and P10 using XVOLT.
- PIR not available with NLTAIR2, PER, PER5, PER7, FAO BL30, BL50 and DMG. PIR not available with P1, P2 and P10 using HVOLT. PIR not available with P1, P2 and P10 using XVOLT.
- PER/PER5/PER7 not available with NLTAIR2, PIR, BL30, BL50. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, or DMG.
- BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO and DMG.
- DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50 and FAO.
- Reference Motion Sensor Default Settings table on page 4 to see functionality.
- Reference Controls Options table on page 4.
- Option HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- CCE option not available with option BS and EGSR. Contact Technical Support for availability.
- Option HA not available with performance packages P6, P7, P12 and P13.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.

## Shield Accessories



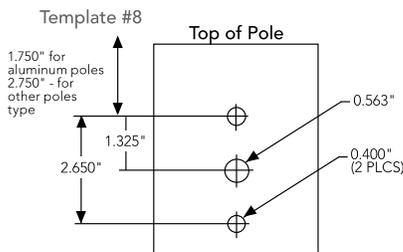
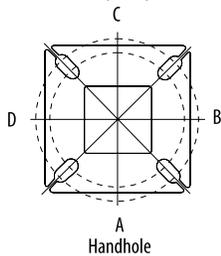
External Glare Shield (EGSR)



House Side Shield (HS)

## Drilling

### HANDHOLE ORIENTATION (from top of pole)



### Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
Minimum Acceptable Outside Pole Dimension							
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPAS	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

### DSX0 Area Luminaire - EPA

\*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX0 with SPA	0.44	0.88	0.96	1.18	---	1.16
DSX0 with SPAS, SPA8N	0.51	1.02	1.06	1.26	---	1.29
DSX0 with RPA, RPA5	0.51	1.02	1.06	1.26	1.24	1.29
DSX0 with MA	0.64	1.28	1.24	1.67	1.70	1.93



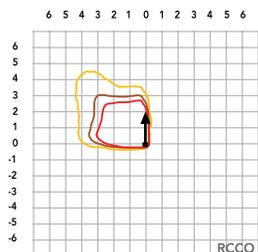
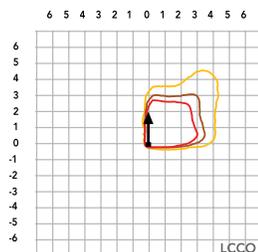
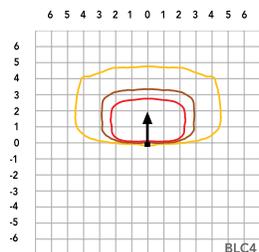
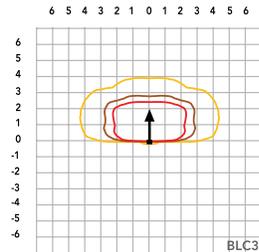
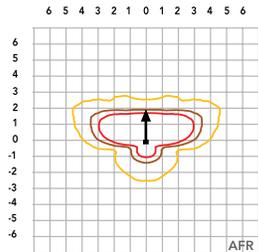
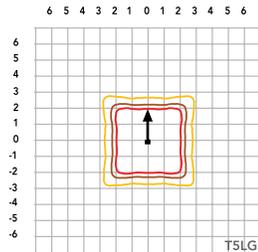
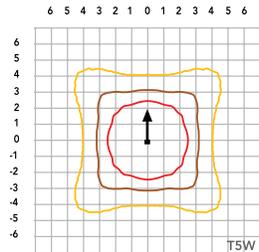
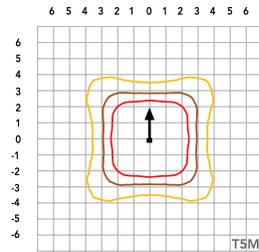
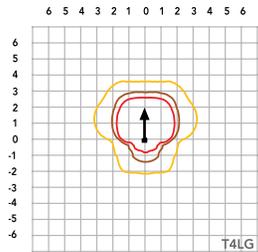
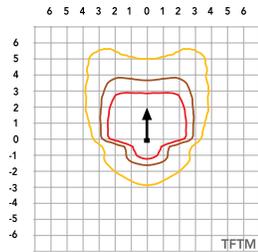
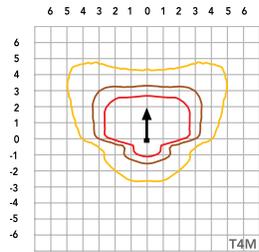
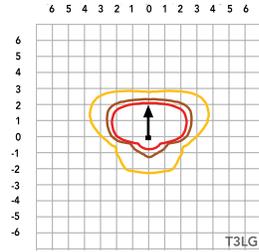
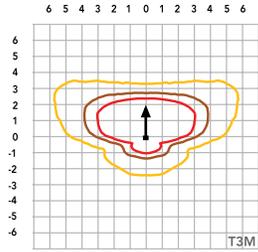
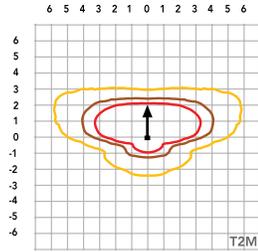
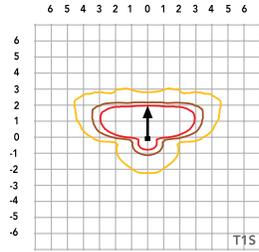
# Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [homepage](#).

Isofootcandle plots for the DSX0 LED P7 40K 70CRI. Distances are in units of mounting height (20').

**LEGEND**

- 0.1 fc
- 0.5 fc
- 1.0 fc



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier	
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.94
50,000	0.89
100,000	0.80

### FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

\*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use published values for each package based on input watts and lumens by optic type.

### Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A)					
					120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	20	530	34	0.28	0.16	0.14	0.12	0.10	0.07
	P2	20	700	45	0.38	0.22	0.19	0.16	0.13	0.09
	P3	20	1050	69	0.57	0.33	0.29	0.25	0.20	0.14
	P4	20	1400	94	0.78	0.45	0.39	0.34	0.27	0.19
	P5	40	700	89	0.75	0.43	0.38	0.33	0.26	0.19
	P6	40	1050	136	1.14	0.66	0.57	0.49	0.39	0.29
	P7	40	1300	170	1.42	0.82	0.71	0.62	0.49	0.36
Rotated Optics (Requires L90 or R90)	P10	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P11	30	700	67	0.57	0.33	0.28	0.25	0.20	0.14
	P12	30	1050	103	0.86	0.50	0.43	0.37	0.30	0.22
	P13	30	1300	129	1.07	0.62	0.54	0.46	0.37	0.27

### LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

### Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

### Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K								
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
P1	33W	20	530	T1S	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157				
				T2M	4,545	1	0	2	137	4,736	1	0	2	143	4,829	1	0	2	145				
				T3M	4,597	1	0	2	138	4,791	1	0	2	144	4,885	1	0	2	147				
				T3LG	4,107	1	0	1	124	4,280	1	0	1	129	4,363	1	0	1	131				
				T4M	4,666	1	0	2	141	4,863	1	0	2	146	4,957	1	0	2	149				
				T4LG	4,244	1	0	1	128	4,423	1	0	1	133	4,509	1	0	1	136				
				TFTM	4,698	1	0	2	141	4,896	1	0	2	147	4,992	1	0	2	150				
				T5M	4,801	3	0	1	145	5,003	3	0	1	151	5,101	3	0	1	154				
				T5W	4,878	3	0	1	147	5,084	3	0	2	153	5,183	3	0	2	156				
				T5LG	4,814	2	0	1	145	5,018	2	0	1	151	5,115	2	0	1	154				
				BLC3	3,344	0	0	1	101	3,485	0	0	1	105	3,553	0	0	1	107				
				BLC4	3,454	0	0	2	104	3,599	0	0	2	108	3,670	0	0	2	111				
				RCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108				
				LCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108				
				AFR	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157				
				P2	45W	20	700	T1S	6,328	1	0	1	140	6,595	1	0	1	146	6,724	1	0	1	149
								T2M	5,862	1	0	2	130	6,109	1	0	2	135	6,228	1	0	2	138
T3M	5,930	1	0					3	131	6,180	1	0	3	137	6,301	1	0	3	140				
T3LG	5,297	1	0					1	117	5,521	1	0	1	122	5,628	1	0	1	125				
T4M	6,018	1	0					3	133	6,272	1	0	3	139	6,395	1	0	3	142				
T4LG	5,474	1	0					1	121	5,705	1	0	1	126	5,816	1	0	1	129				
TFTM	6,060	1	0					3	134	6,316	1	0	3	140	6,439	1	0	3	143				
T5M	6,192	3	0					1	137	6,453	3	0	2	143	6,579	3	0	2	146				
T5W	6,293	3	0					2	139	6,558	3	0	2	145	6,686	3	0	2	148				
T5LG	6,210	2	0					1	138	6,472	3	0	1	143	6,598	3	0	1	146				
BLC3	4,313	0	0					2	96	4,495	0	0	2	100	4,583	0	0	2	102				
BLC4	4,455	0	0					2	99	4,643	0	0	2	103	4,733	0	0	2	105				
RCCO	4,352	0	0					2	96	4,536	0	0	2	100	4,624	0	0	2	102				
LCCO	4,352	0	0					2	96	4,536	0	0	2	100	4,624	0	0	2	102				
AFR	6,328	1	0					1	140	6,595	1	0	1	146	6,724	1	0	1	149				
P3	69W	20	1050					T1S	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139
								T2M	8,343	2	0	3	121	8,694	2	0	3	126	8,864	2	0	3	129
				T3M	8,439	2	0	3	122	8,795	2	0	3	128	8,967	2	0	3	130				
				T3LG	7,539	1	0	2	109	7,857	1	0	2	114	8,010	1	0	2	116				
				T4M	8,565	2	0	3	124	8,926	2	0	3	129	9,100	2	0	3	132				
				T4LG	7,790	1	0	2	113	8,119	1	0	2	118	8,277	1	0	2	120				
				TFTM	8,624	1	0	3	125	8,988	1	0	3	130	9,163	2	0	3	133				
				T5M	8,812	3	0	2	128	9,184	4	0	2	133	9,363	4	0	2	136				
				T5W	8,955	4	0	2	130	9,333	4	0	2	135	9,515	4	0	2	138				
				T5LG	8,838	3	0	1	128	9,211	3	0	1	134	9,390	3	0	1	136				
				BLC3	6,139	0	0	2	89	6,398	0	0	2	93	6,522	0	0	2	95				
				BLC4	6,340	0	0	3	92	6,607	0	0	3	96	6,736	0	0	3	98				
				RCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95				
				LCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95				
				AFR	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139				
				P4	93W	20	1400	T1S	11,396	1	0	2	122	11,877	1	0	2	128	12,109	2	0	2	130
								T2M	10,557	2	0	3	113	11,003	2	0	3	118	11,217	2	0	3	121
T3M	10,680	2	0					3	115	11,130	2	0	3	120	11,347	2	0	3	122				
T3LG	9,540	1	0					2	103	9,942	1	0	2	107	10,136	1	0	2	109				
T4M	10,839	2	0					3	117	11,296	2	0	3	121	11,516	2	0	4	124				
T4LG	9,858	1	0					2	106	10,274	1	0	2	110	10,474	1	0	2	113				
TFTM	10,914	2	0					3	117	11,374	2	0	3	122	11,596	2	0	3	125				
T5M	11,152	4	0					2	120	11,622	4	0	2	125	11,849	4	0	2	127				
T5W	11,332	4	0					3	122	11,811	4	0	3	127	12,041	4	0	3	129				
T5LG	11,184	3	0					1	120	11,656	3	0	2	125	11,883	3	0	2	128				
BLC3	7,768	0	0					2	83	8,096	0	0	2	87	8,254	0	0	2	89				
BLC4	8,023	0	0					3	86	8,362	0	0	3	90	8,524	0	0	3	92				
RCCO	7,838	1	0					2	84	8,169	1	0	2	88	8,328	1	0	2	90				
LCCO	7,838	1	0					2	84	8,169	1	0	2	88	8,328	1	0	2	90				
AFR	11,396	1	0					2	122	11,877	1	0	2	128	12,109	2	0	2	130				



## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P5	90W	40	700	T1S	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
				T2M	11,468	2	0	3	127	11,952	2	0	3	133	12,185	2	0	3	135
				T3M	11,601	2	0	3	129	12,091	2	0	3	134	12,326	2	0	4	137
				T3LG	10,363	2	0	2	115	10,800	2	0	2	120	11,011	2	0	2	122
				T4M	11,774	2	0	4	131	12,271	2	0	4	136	12,510	2	0	4	139
				T4LG	10,709	1	0	2	119	11,160	2	0	2	124	11,378	2	0	2	126
				TFTM	11,856	2	0	3	132	12,356	2	0	4	137	12,596	2	0	4	140
				T5M	12,114	4	0	2	134	12,625	4	0	2	140	12,871	4	0	2	143
				T5W	12,310	4	0	3	137	12,830	4	0	3	142	13,080	4	0	3	145
				T5LG	12,149	3	0	2	135	12,662	3	0	2	141	12,908	3	0	2	143
				BLC3	8,438	0	0	2	94	8,794	0	0	2	98	8,966	0	0	2	99
				BLC4	8,715	0	0	3	97	9,083	0	0	3	101	9,260	0	0	3	103
				RCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				LCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				AFR	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
				P6	137W	40	1050	T1S	17,545	2	0	3	128	18,285	2	0	3	133	18,642
T2M	16,253	3	0					4	119	16,939	3	0	4	124	17,269	3	0	4	126
T3M	16,442	2	0					4	120	17,135	3	0	4	125	17,469	3	0	4	128
T3LG	14,687	2	0					2	107	15,306	2	0	2	112	15,605	2	0	2	114
T4M	16,687	2	0					4	122	17,391	3	0	5	127	17,730	3	0	5	129
T4LG	15,177	2	0					2	111	15,817	2	0	2	115	16,125	2	0	2	118
TFTM	16,802	2	0					4	123	17,511	2	0	4	128	17,852	2	0	5	130
T5M	17,168	4	0					2	125	17,893	5	0	3	131	18,241	5	0	3	133
T5W	17,447	5	0					3	127	18,183	5	0	3	133	18,537	5	0	3	135
T5LG	17,218	4	0					2	126	17,944	4	0	2	131	18,294	4	0	2	134
BLC3	11,959	0	0					3	87	12,464	0	0	3	91	12,707	0	0	3	93
BLC4	12,352	0	0					4	90	12,873	0	0	4	94	13,124	0	0	4	96
RCCO	12,067	1	0					3	88	12,576	1	0	3	92	12,821	1	0	3	94
LCCO	12,067	1	0					3	88	12,576	1	0	3	92	12,821	1	0	3	94
AFR	17,545	2	0					3	128	18,285	2	0	3	133	18,642	2	0	3	136
P7	171W	40	1300					T1S	20,806	2	0	3	122	21,683	2	0	3	127	22,106
				T2M	19,273	3	0	4	113	20,086	3	0	4	118	20,478	3	0	4	120
				T3M	19,497	3	0	5	114	20,319	3	0	5	119	20,715	3	0	5	121
				T3LG	17,416	2	0	2	102	18,151	2	0	2	106	18,504	2	0	2	108
				T4M	19,787	3	0	5	116	20,622	3	0	5	121	21,024	3	0	5	123
				T4LG	17,997	2	0	2	105	18,756	2	0	2	110	19,121	2	0	2	112
				TFTM	19,924	3	0	5	117	20,765	3	0	5	122	21,170	3	0	5	124
				T5M	20,359	5	0	3	119	21,217	5	0	3	124	21,631	5	0	3	127
				T5W	20,689	5	0	3	121	21,561	5	0	3	126	21,982	5	0	3	129
				T5LG	20,418	4	0	2	120	21,279	4	0	2	125	21,694	4	0	2	127
				BLC3	14,182	0	0	3	83	14,780	0	0	3	87	15,068	0	0	3	88
				BLC4	14,647	0	0	4	86	15,265	0	0	4	89	15,562	0	0	4	91
				RCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				LCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				AFR	20,806	2	0	3	122	21,683	2	0	3	127	22,106	2	0	3	129



## Performance Data

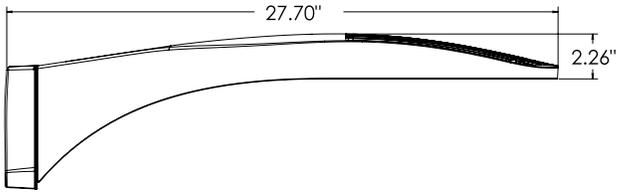
### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

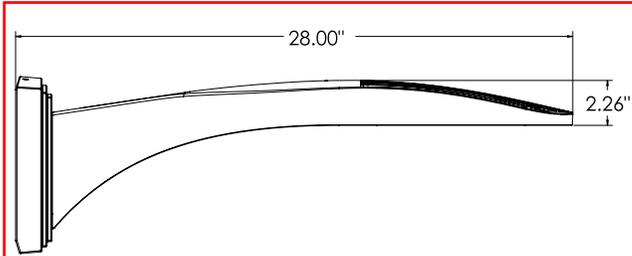
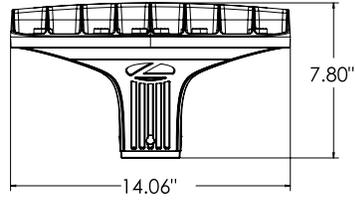
Rotated Optics																			
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P10	51W	30	530	T1S	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154
				T2M	6,854	3	0	3	135	7,144	3	0	3	140	7,283	3	0	3	143
				T3M	6,933	3	0	3	136	7,225	3	0	3	142	7,366	3	0	3	145
				T3LG	6,194	2	0	2	122	6,455	2	0	2	127	6,581	2	0	2	129
				T4M	7,036	3	0	3	138	7,333	3	0	3	144	7,476	3	0	3	147
				T4LG	6,399	2	0	2	126	6,669	2	0	2	131	6,799	2	0	2	134
				TFTM	7,086	3	0	3	139	7,385	3	0	3	145	7,529	3	0	3	148
				T5M	7,239	3	0	2	142	7,545	3	0	2	148	7,692	3	0	2	151
				T5W	7,357	3	0	2	145	7,667	3	0	2	151	7,816	4	0	2	154
				T5LG	7,260	3	0	1	143	7,567	3	0	1	149	7,714	3	0	1	152
				BLC3	5,043	3	0	3	99	5,256	3	0	3	103	5,358	3	0	3	105
				BLC4	5,208	3	0	3	102	5,428	3	0	3	107	5,534	3	0	3	109
				RCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106
				LCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106
				AFR	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154
				P11	68W	30	700	T1S	9,358	3	0	3	138	9,753	3	0	3	143	9,943
T2M	8,669	3	0					3	127	9,034	3	0	3	133	9,211	3	0	3	135
T3M	8,768	3	0					3	129	9,138	3	0	3	134	9,316	3	0	3	137
T3LG	7,833	3	0					3	115	8,164	3	0	3	120	8,323	3	0	3	122
T4M	8,899	3	0					3	131	9,274	3	0	3	136	9,455	3	0	3	139
T4LG	8,093	3	0					3	119	8,435	3	0	3	124	8,599	3	0	3	126
TFTM	8,962	3	0					3	132	9,340	3	0	3	137	9,522	3	0	3	140
T5M	9,156	4	0					2	135	9,542	4	0	2	140	9,728	4	0	2	143
T5W	9,304	4	0					2	137	9,696	4	0	2	143	9,885	4	0	2	145
T5LG	9,182	3	0					1	135	9,569	3	0	1	141	9,756	3	0	1	143
BLC3	6,378	3	0					3	94	6,647	3	0	3	98	6,777	3	0	3	100
BLC4	6,587	3	0					3	97	6,865	3	0	3	101	6,999	3	0	3	103
RCCO	6,436	0	0					2	95	6,707	0	0	2	99	6,838	0	0	2	101
LCCO	6,436	0	0					2	95	6,707	0	0	2	99	6,838	0	0	2	101
AFR	9,358	3	0					3	138	9,753	3	0	3	143	9,943	3	0	3	146
P12	103W	30	1050					T1S	13,247	3	0	3	128	13,806	3	0	3	134	14,075
				T2M	12,271	4	0	4	119	12,789	4	0	4	124	13,038	4	0	4	126
				T3M	12,412	4	0	4	120	12,935	4	0	4	125	13,187	4	0	4	128
				T3LG	11,089	3	0	3	107	11,556	3	0	3	112	11,782	3	0	3	114
				T4M	12,597	4	0	4	122	13,128	4	0	4	127	13,384	4	0	4	129
				T4LG	11,457	3	0	3	111	11,940	3	0	3	116	12,173	3	0	3	118
				TFTM	12,686	4	0	4	123	13,221	4	0	4	128	13,479	4	0	4	130
				T5M	12,960	4	0	2	125	13,507	4	0	2	131	13,770	4	0	2	133
				T5W	13,170	4	0	3	127	13,726	4	0	3	133	13,994	4	0	3	135
				T5LG	12,998	3	0	2	126	13,546	3	0	2	131	13,810	3	0	2	134
				BLC3	9,029	3	0	3	87	9,409	3	0	3	91	9,593	3	0	3	93
				BLC4	9,324	4	0	4	90	9,718	4	0	4	94	9,907	4	0	4	96
				RCCO	9,110	1	0	2	88	9,495	1	0	2	92	9,680	1	0	2	94
				LCCO	9,110	1	0	2	88	9,494	1	0	2	92	9,680	1	0	2	94
				AFR	13,247	3	0	3	128	13,806	3	0	3	134	14,075	3	0	3	136
				P13	129W	30	1300	T1S	15,704	3	0	3	122	16,366	3	0	3	127	16,685
T2M	14,547	4	0					4	113	15,161	4	0	4	118	15,457	4	0	4	120
T3M	14,714	4	0					4	114	15,335	4	0	4	119	15,634	4	0	4	121
T3LG	13,145	3	0					3	102	13,700	3	0	3	106	13,967	3	0	3	108
T4M	14,933	4	0					4	116	15,563	4	0	4	121	15,867	4	0	4	123
T4LG	13,582	3	0					3	105	14,155	3	0	3	110	14,431	3	0	3	112
TFTM	15,039	4	0					4	117	15,673	4	0	4	122	15,979	4	0	4	124
T5M	15,364	4	0					2	119	16,013	4	0	2	124	16,325	4	0	2	127
T5W	15,613	5	0					3	121	16,272	5	0	3	126	16,589	5	0	3	129
T5LG	15,409	3	0					2	120	16,059	3	0	2	125	16,372	4	0	2	127
BLC3	10,703	4	0					4	83	11,155	4	0	4	87	11,372	4	0	4	88
BLC4	11,054	4	0					4	86	11,520	4	0	4	89	11,745	4	0	4	91
RCCO	10,800	1	0					2	84	11,256	1	0	2	87	11,475	1	0	3	89
LCCO	10,800	1	0					2	84	11,255	1	0	2	87	11,475	1	0	3	89
AFR	15,704	3	0					3	122	16,366	3	0	3	127	16,685	4	0	4	130



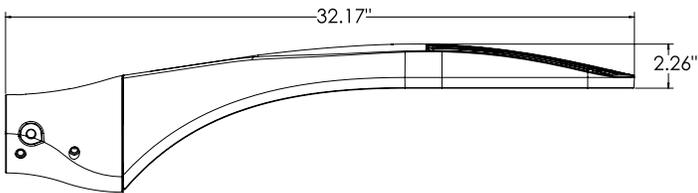
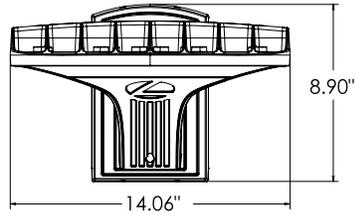
**Dimensions**



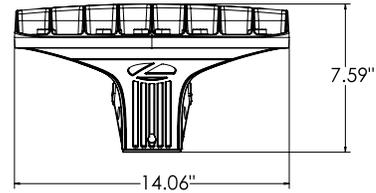
**DSX0 with RPA, RPA5, SPA5, SPA8N mount**  
**Weight: 25 lbs**



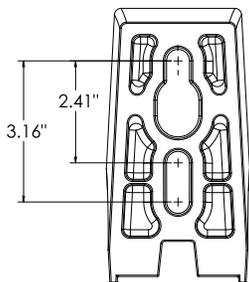
**DSX0 with WBA mount**  
**Weight: 27 lb**



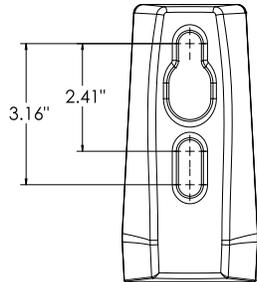
**DSX0 with MA mount**  
**Weight: 28 lbs**



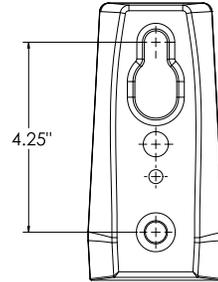
**SPA (STANDARD ARM)**



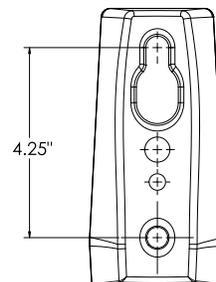
**RPA**



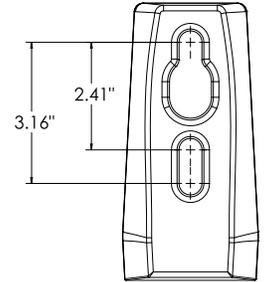
**SPA5**



**RPA5**



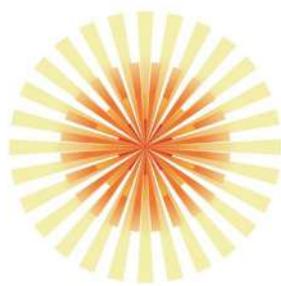
**SPA8N**



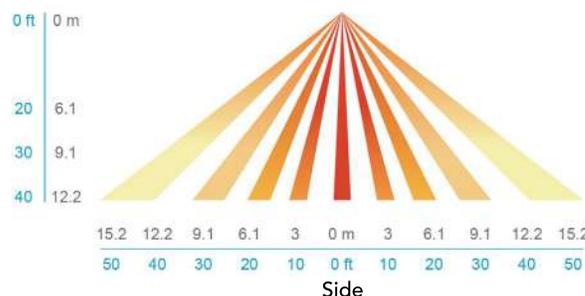
## nLight Control - Sensor Coverage and Settings

### nLight Sensor Coverage Pattern

#### NLTAIR2 PIRHN



Top



Side

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 3G. Low EPA (0.44 ft<sup>2</sup>) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### COASTAL CONSTRUCTION (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

### OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L80/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### STANDARD CONTROLS

The DSX0 LED area luminaire has a number of control options. DSX Size 0, comes standard with 0-10V dimming driver. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. PIR integrated motion sensor with on-board photocell feature field-adjustable programming and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

### nLIGHT AIR CONTROLS

The DSX0 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

### INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

### LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

### WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.





**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : DSX0 LED P1 40K 70CRI TFTM.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] ISF 221269AP5  
 [ISSUE DATE] 11/10/2022  
 [TESTLAB] SCALED PHOTOMETRY  
 [MANUFAC] Lithonia Lighting  
 [LUMCAT] DSX0 LED P1 40K 70CRI TFTM  
 [LUMINAIRE] D-Series Size 0 Area Luminaire P1 Performance Package 4000K CCT 70 CRI Forward Throw  
 [DISTRIBUTION] TYPE IV, SHORT, BUG RATING: B1 - U0 - G2  
 [ TOTALLUMINAIRELUMENS] 4896  
 [ INPUTWATTAGE] 33.21  
 [ LAMPTYPE] LED  
 [ MOUNTING] OUTDOOR  
 [ PHYSICALDIMENSIONS] 0.79, 1.14, 0  
 [ PRODUCTID] 27409f60-042d-413d-9108-2b4c7b4cea1c  
 [ SERIES] DSX0  
 [ SERIESID] 596134  
 [ NOTE] LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE

**CHARACTERISTICS**

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4896
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	33.21
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4411.407
Maximum Candela Angle	32.5H 75V
Maximum Candela (<90 Degrees Vertical)	4411.407
Maximum Candela Angle (<90 Degrees Vertical)	32.5H 75V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2917.769 (59.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

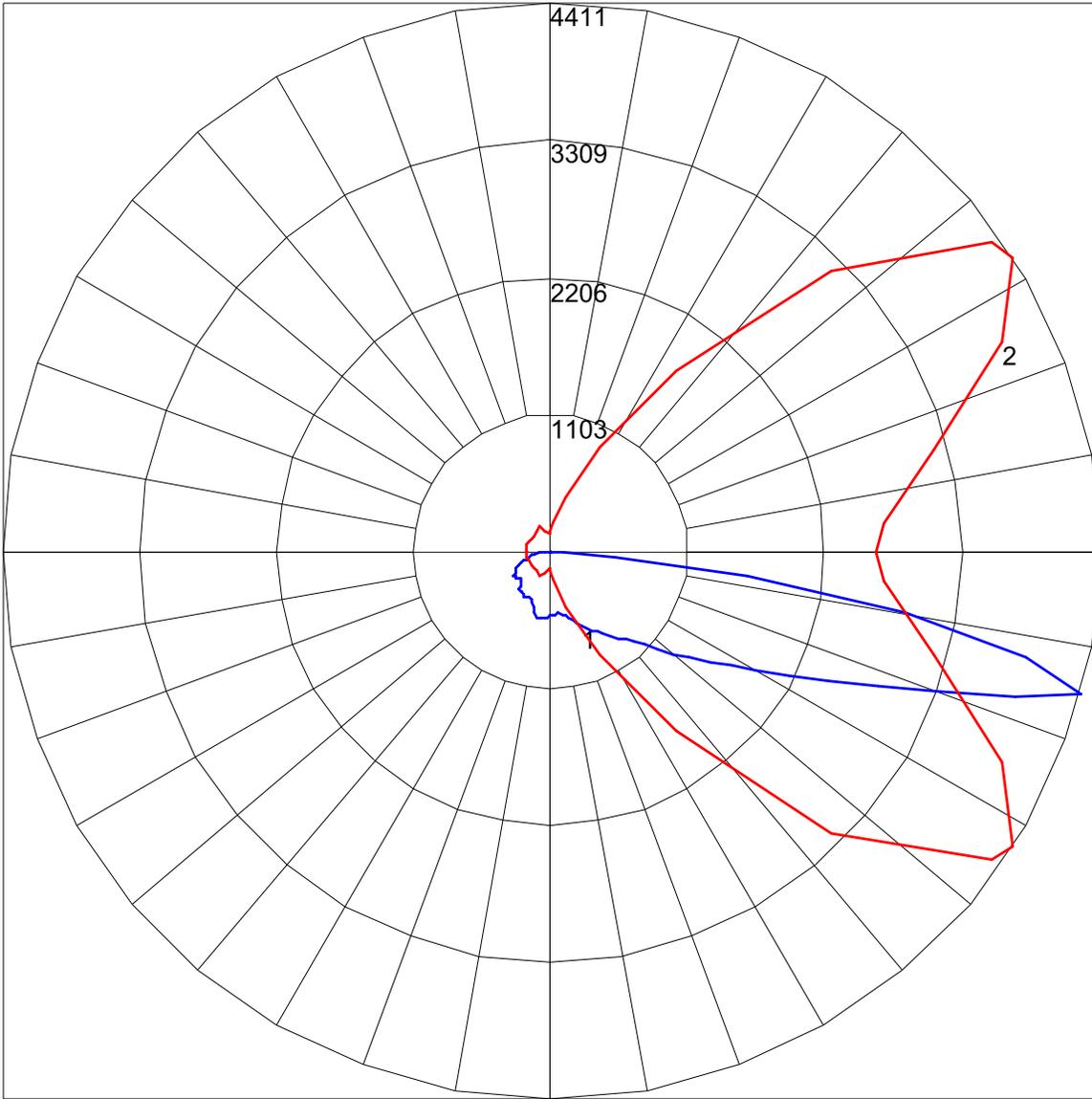
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DSX0 LED P1 40K 70CRI TFTM.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	256.4	N.A.	5.2
FM - Front-Medium (30-60)	1276.0	N.A.	26.1
FH - Front-High (60-80)	2220.7	N.A.	45.4
FVH - Front-Very High (80-90)	207.3	N.A.	4.2
BL - Back-Low (0-30)	202.3	N.A.	4.1
BM - Back-Medium (30-60)	431.0	N.A.	8.8
BH - Back-High (60-80)	267.7	N.A.	5.5
BVH - Back-Very High (80-90)	34.5	N.A.	0.7
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	4895.9	N.A.	100.0
BUG Rating	B1-U0-G2		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DSX0 LED P1 40K 70CRI TFTM.IES**

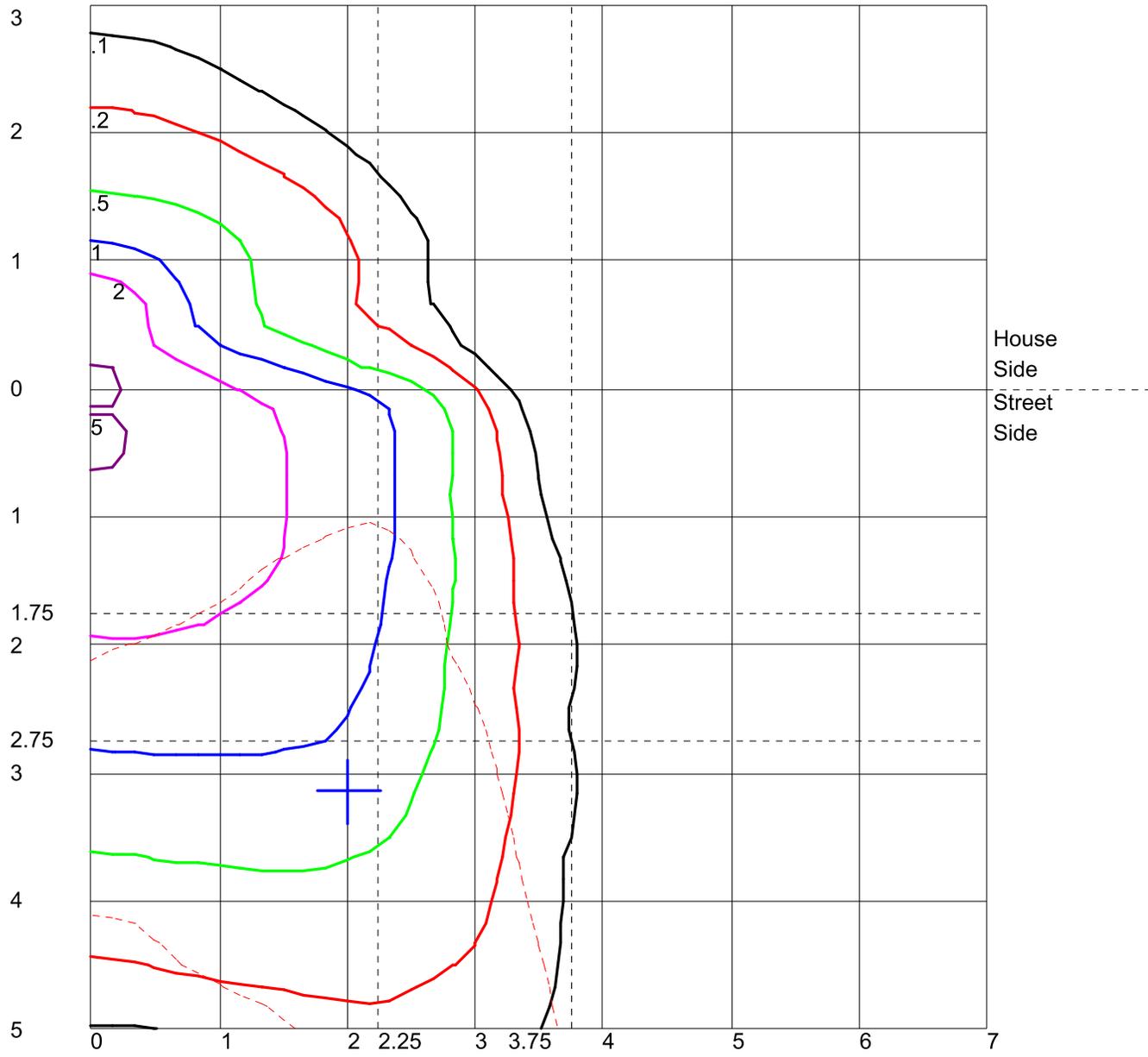
**POLAR GRAPH**



Maximum Candela = 4411.407 Located At Horizontal Angle = 32.5, Vertical Angle = 75  
# 1 - Vertical Plane Through Horizontal Angles (32.5 - 212.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DSX0 LED P1 40K 70CRI TFTM.IES**

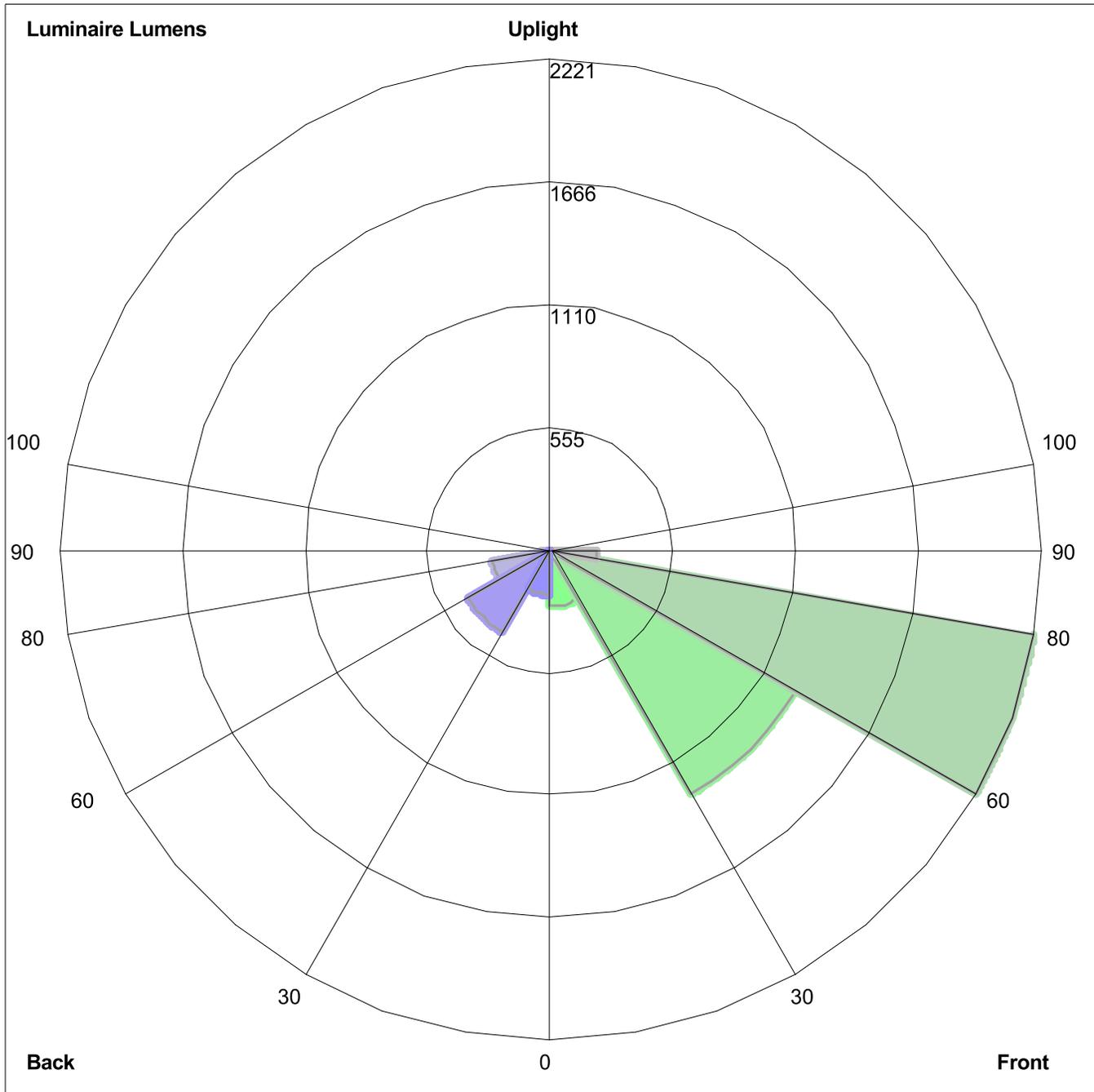
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE**



Distance In Units Of Mounting Height  
Values Based On 10 Foot Mounting Height  
1/2 Maximum Candela Trace Shown As Dashed Curve  
(+) = Maximum Candela Point

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : DSX0 LED P1 40K 70CRI TFTM.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**

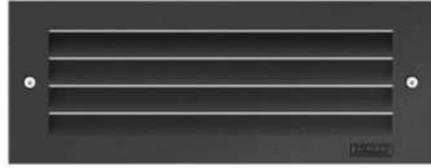


Luminaire Lumens:  
Front: Low=256.4, Medium= 1276.0, High=2220.7, Very High=207.3  
Back: Low=202.3, Medium=431.0, High=267.7, Very High=34.5  
Uplight: Low=0.0, High=0.0

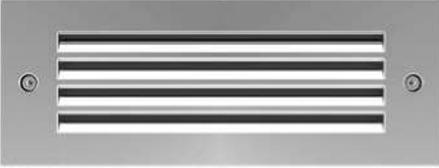
BUG Rating : B1-U0-G2

# Legend 2 Recessed

TYPE OWE

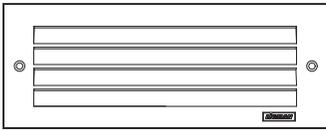


Aluminum Finish

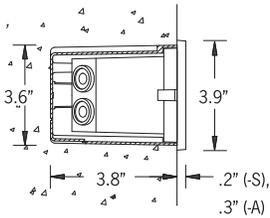


Stainless Steel Finish

**13.5w LED 247/517 Lumens**  
**IP65 • Suitable For Wet Locations**  
**IK07 • Impact Resistant (Vandal Resistant)**  
**Weight 4.1 lbs**



10.2"



## Construction

### Aluminum Casting

Less than 0.1% copper content - Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength, clean detailed product lines and excellent heat dissipation.

### Pre paint

8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

### Memory Retentive -Silicon Gasket

Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

### Thermal management

LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

### BUG Rating

B0 - U1 - G0

### Surge Suppression

Standard 10kv surge suppressor provided with all fixtures.

### Finishing

All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

### Paint

UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

### Inspired by Nature Finishes

The Inspired by nature Finishing is a unique system of decorative powder coating. Our metal decoration process can easily transform the appearance of metal or aluminum product into a wood grain finish.

This patented technology enables the simulation of wood grain, and even marble or granite finish through the use of decorative powder coating.

The wood grain finish is so realistic that it's almost undistinguishable from real wood, even from a close visual inspection. The system of coating permeates the entire thickness of the coat and as a result, the coating cannot be removed by normal rubbing, chipping, or scratching.

### The Coating Process

After pre-treatment the prepared parts are powder coated with a specially formulated polyurethane powder. This powder provides protection against wear, abrasion, impact and corrosion and acts as the relief base color for the finalized metal decoration.

The component is then wrapped with a sheet of non-porous film with the selected decoration pattern printed on it using special high temperature inks.

This printed film transfer is vacuum-sealed to the surface for a complete thermo print and then transferred into a customized oven. The oven transforms the ink into different forms within the paint layer before it becomes solid. Finally, the film is removed, and a vivid timber look on aluminum remains.

Wood grain coating can create beautiful wood-looking products of any sort. There are over 300 combinations of designs currently in use. Wood grains can be made with different colors, designs, etc.

Our powder coatings are certified for indoor and outdoor applications and are backed by a comprehensive warranty. These coatings rise to the highest conceivable standard of performance excellence and design innovation.

### Added Benefits

- Resistance to salt-acid room, accelerated aging
- Boiling water, lime and condensed water resistant
- Anti-Graffiti, Anti-Slip, Anti-Microbial, Anti-Scratch
- Super durable (UV resistant)
- TGIC free (non-toxic)

### Hardware

Provided Hardware is Marine grade 316 Stainless steel.

### Anti Seize Screw Holes

Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

### High Impact Acrylic Lens

Manufactured with Ultra High Impact, Naturally UV Stabilized Injection Molded Acrylic.

### Optics & LED

Precise optic design provides exceptional light control and precise distribution of light.  
 LED CRI > 80

### Lumen - Maintenance Life

L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

## Rectangular time-honoured wall recessed accent range. Efficient, flexible and tough family in the classic brick-light proportions.

A range of vandal resistant rectangular wall recessed luminaires. Suitable for indoor or outdoor applications in residential, shopping and pedestrian areas as a decorative guide light. Available in a variety of frame and LED light source options, including turtle friendly amber LED.

The Legend 1 and 2 is available with powdercoated aluminum or stainless steel frames. This luminaire is provided with a powdercoated high pressure die-cast aluminum back box and can be pre shipped to the jobsite for concrete pour or masonry applications.

As an option, this luminaire can be provided with a special wall clamp bracket that provides a clamping option when installing in drywall or wood panel walls.

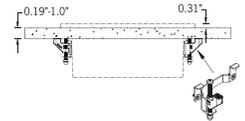
Available in amber and white 2700K, 3000K, 3500K and 4000K. Consult factory for additional colors. The Legend steplight range can be provided with colored lenses to provide a decorative architectural touch to the building, please see options.

All Ligman fixtures can be manufactured using a special pre-treatment and coating process that ensures the fixture can be installed in natatoriums as well as environments with high concentrations of chlorine or salt and still maintain the 5 year warranty. For this natatorium rated process please specify NAT in options. fixture can be installed in natatoriums as well as environments with high concentrations of chlorine or salt and still maintain the 5 year warranty. For this natatorium rated process please specify NAT in options.

## Additional Options (Consult Factory For Pricing)



SMB  
Surface Mount Box



DWC  
Dry Wall Clamp



# ULE-40601 Legend 2 Recessed

<b>PROJECT</b>	<input type="text"/>	<b>DATE</b>	<input type="text"/>
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<b>QUANTITY</b>	<input type="text"/>	<b>TYPE</b>	<input type="text"/>	<b>NOTE</b>	<input type="text"/>
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ORDERING EXAMPLE || ULE-40601 - 13.5w - A - W30 - 02 - 120/277V

<b>ULE-40601</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>LAMP</b>	<b>FRAME</b>	<b>LED COLOR</b>	<b>FINISH COLOR</b>	<b>VOLTAGE</b>	
13.5w LED 247 Lumens [A] 517 Lumens [S]	A - Aluminum - CHOOSE FINISH COLOR  S - Stainless Steel NO FINISH COLOR	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K	01 - BLACK RAL 9011 02 - DARK GREY RAL 7043 03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL	120/277v Other - Specify  TBD	

<input type="text"/>	<input type="text"/>	<input type="text"/>
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## ADDITIONAL OPTIONS

- |                                |                 |
|--------------------------------|-----------------|
| DIM - 0-10v Dimming            | COLOR FILTERS   |
| NAT - Natatorium Rated         | RD - Red Lens   |
| AM - Turtle Friendly Amber LED | BL - Blue Lens  |
| SMB - Surface Mount Box        | AM - Amber Lens |
| C - Clear Lens                 | GR - Green Lens |
| DWC - Dry Wall Clamp           |                 |

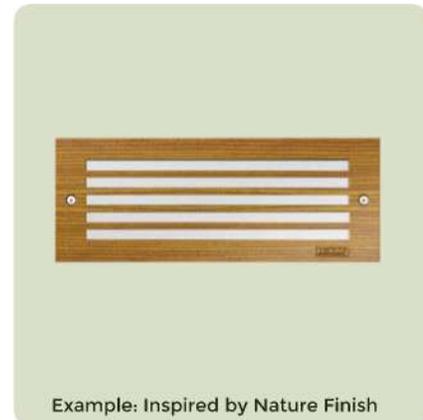
**INSPIRED BY NATURE FINISHES**

SW01 - OAK FINISH	
SW02 - WALNUT FINISH	
SW03 - PINE FINISH	
DF - DOUGLAS FIR FINISH	
CW - CHERRY WOOD FINISH	
NW - NATIONAL WALNUT FINISH	
SU01 - CONCRETE FINISH	
SU02 - SOFTSCAPE FINISH	
SU03 - STONE FINISH	
SU04 - CORTEN FINISH	

## More Custom Finishes Available Upon Request

Consult factory for pricing and lead times

Oak	Cherry	Beech	Carbon
Walnut	Chestnut	Bamboo	Galvanized
Pine	Mahogany	Birch	Steel



# Legend Product Family



Legend 1

- ULE-40591-13.5w-140lm
- ULE-40721-11.5w-405lm



Legend 2

- ULE-40601-13.5w-247lm [Aluminum]
- ULE-40601-13.5w-517lm [Stainless Steel]
- ULE-40722-11.5w-60lm



Legend 3

- ULE-40611-13.5w-420lm [Aluminum]
- ULE-40611-13.5w-957lm [Stainless Steel]



Legend 4

- ULE-40621-13.5w-1151lm



Legend 9

- ULE-40671-13.5w-380lm



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : LE-40601-S-W40 REV.2.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LIGMAN  
[TESTLAB] Ligman Lighting Photometric Laboratory  
[ISSUE DATE] 13/08/2015 10:49:17  
[MANUFAC] LIGMAN  
[LUMCAT] LE-40601-S-W40 Rev.2  
[LUMINAIRE] Legend 2 recessed step light LED  
[LAMP] 3x1 COB LED 4000K  
[\_ABSOLUTE LUMENS] 155  
[MORE] 0.3781,0.3747 4051K Ra84  
[\_EEC] A++

**CHARACTERISTICS**

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	155
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	14
Total Luminaire Watts	11.5
Ballast Factor	1.00
Upward Waste Light Ratio	0.15
Maximum Candela	88.7
Maximum Candela Angle	360H 57.5V
Maximum Candela (<90 Degrees Vertical)	88.7
Maximum Candela Angle (<90 Degrees Vertical)	360H 57.5V
Maximum Candela At 90 Degrees Vertical	51.2 (33.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	66.2 (42.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

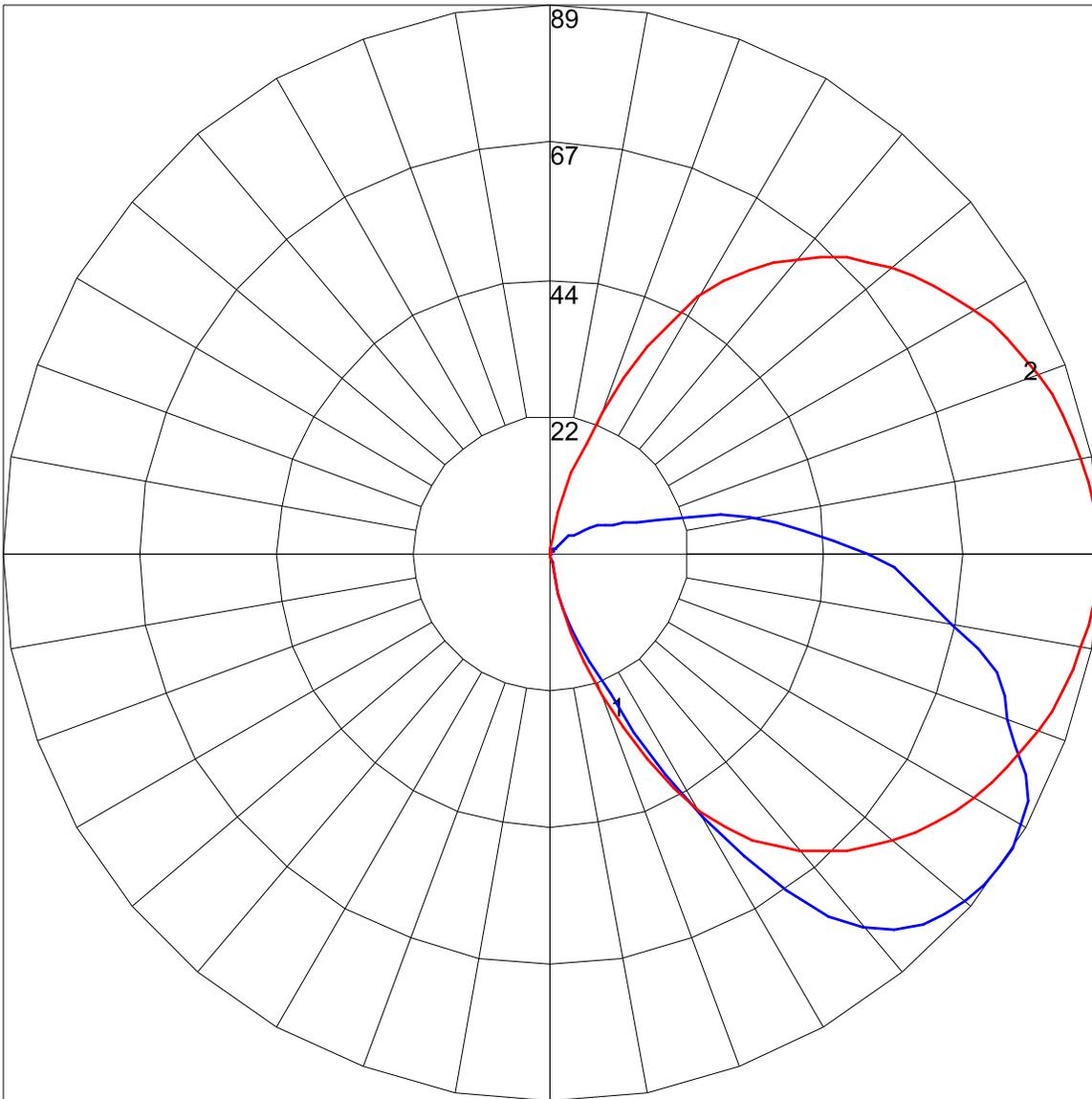
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : LE-40601-S-W40 REV.2.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	5.0	N.A.	3.2
FM - Front-Medium (30-60)	54.3	N.A.	35.0
FH - Front-High (60-80)	53.0	N.A.	34.2
FVH - Front-Very High (80-90)	19.8	N.A.	12.8
BL - Back-Low (0-30)	< 0.05	N.A.	0.0
BM - Back-Medium (30-60)	0.1	N.A.	0.1
BH - Back-High (60-80)	0.1	N.A.	0.1
BVH - Back-Very High (80-90)	0.1	N.A.	0.0
UL - Uplight-Low (90-100)	12.2	N.A.	7.9
UH - Uplight-High (100-180)	10.7	N.A.	6.9
Total	155.3	N.A.	100.0
BUG Rating	B0-U2-G1		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : LE-40601-S-W40 REV.2.IES**

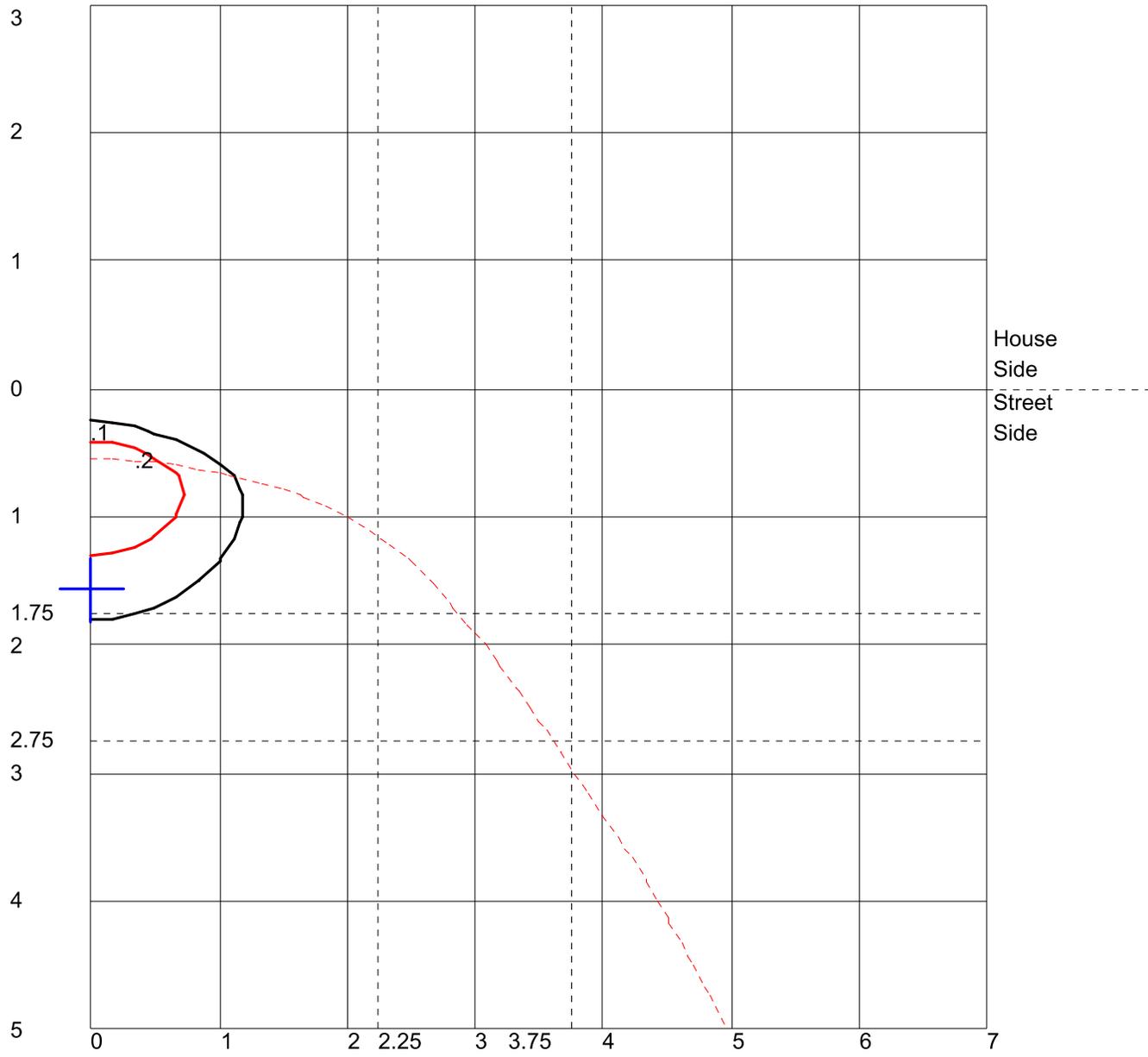
**POLAR GRAPH**



Maximum Candela = 88.7 Located At Horizontal Angle = 360, Vertical Angle = 57.5  
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : LE-40601-S-W40 REV.2.IES**

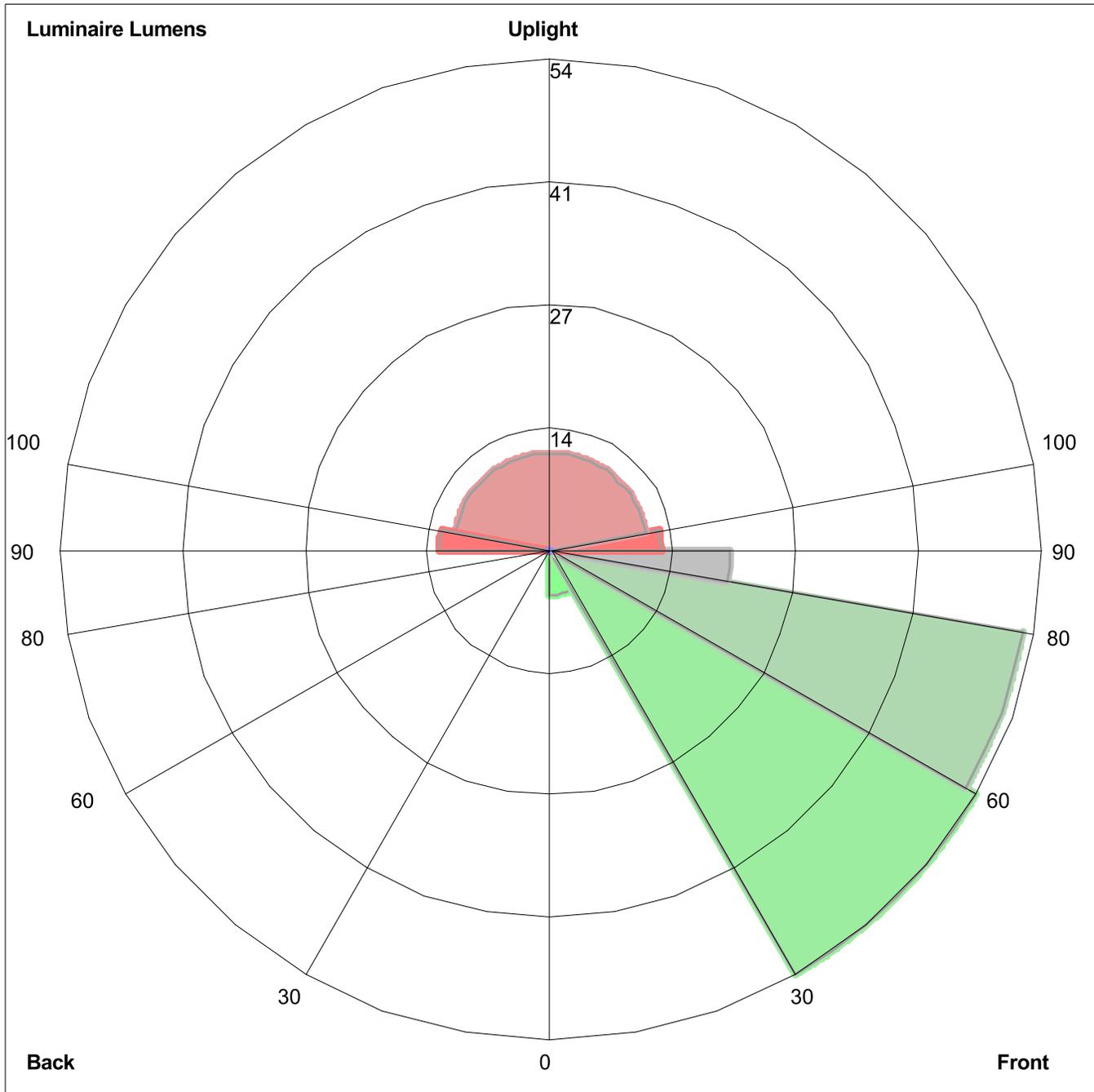
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE**



Distance In Units Of Mounting Height  
Values Based On 10 Foot Mounting Height  
1/2 Maximum Candela Trace Shown As Dashed Curve  
(+) = Maximum Candela Point

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : LE-40601-S-W40 REV.2.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**



Luminaire Lumens:  
Front: Low=5.0, Medium=54.3, High=53.0, Very High=19.8  
Back: Low=0.0, Medium=0.1, High=0.1, Very High=0.1  
Uplight: Low=12.2, High=10.7

BUG Rating : B0-U2-G1



# WEDGE2 LED

## Architectural Wall Sconce

### Visual Comfort Optic



Catalog Number

Notes

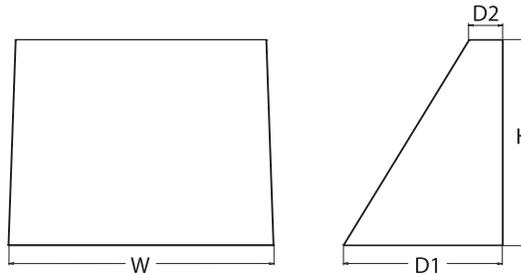
Type

**TYPE OWF**

Hit the Tab key or mouse over the page to see all interactive elements.

### Specifications

- Depth (D1):** 7"
- Depth (D2):** 1.5"
- Height:** 9"
- Width:** 11.5"
- Weight:** 13.5 lbs  
(without options)



### Introduction

The WEDGE2 LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WEDGE family provides additional energy savings and code compliance.

WEDGE2 delivers up to 6,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WEDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

### WEDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WEDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
<b>WEDGE2 LED</b>	<b>Visual Comfort</b>	10W	18W	Standalone / nLight	--	1,200	2,000	<b>3,000</b>	4,500	6,000	--
WEDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WEDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WEDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

### Ordering Information

**EXAMPLE: WEDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD**

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
<b>WEDGE2 LED</b>	P1 <sup>1</sup> P2 <sup>1</sup> P3 <sup>1</sup> P4 <sup>1</sup> P5 <sup>1</sup>	P1SW P2SW P3SW Door with small window (SW) is required to accommodate sensors. See page 2 for more details. 40K 50K <sup>2</sup>	27K 2700K 30K 3000K 35K 3500K <b>40K 4000K</b> 50K <sup>2</sup> 5000K	<b>80CRI</b> 90CRI	<b>VF</b> Visual comfort forward throw <b>VW</b> Visual comfort wide	<b>MVOLT</b> 347 <sup>3</sup> 480 <sup>3</sup>
						<b>Shipped included</b> SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) <sup>7</sup>
						<b>Shipped separately</b> AWS 3/8inch Architectural wall spacer PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.

Options	Finish
<b>E4WH</b> Emergency battery backup, Certified in CA Title 20 MAEDBS (4W, 0°C min) <b>E10WH</b> Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min) <b>E20WC</b> Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min) <b>PE<sup>4</sup></b> Photocell, Button Type <b>DS<sup>5</sup></b> Dual switching (comes with 2 drivers and 2 light engines; see page 3 for details) <b>DMG<sup>6</sup></b> 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) <b>BCE</b> Bottom conduit entry for back box (PBBW). Total of 4 entry points. <b>BAA</b> Buy America(n) Act Compliant	<b>Standalone Sensors/Controls</b> (only available with P1SW, P2SW & P3SW) <b>PIR</b> Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. <b>PIRH</b> Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching <b>PIR1FC3V</b> Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation. <b>PIRH1FC3V</b> Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation. <b>Networked Sensors/Controls</b> (only available with P1SW, P2SW & P3SW) <b>NLTAIR2 PIR</b> nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights. <b>NLTAIR2 PIRH</b> nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights. See page 4 for out of box functionality
	<b>DDBXD</b> Dark bronze <b>DBLXD</b> Black <b>DNAXD</b> Natural aluminum <b>DWHXD</b> White <b>DSSXD</b> Sandstone <b>DDBTXD</b> Textured dark bronze <b>DBLBXD</b> Textured black <b>DNATXD</b> Textured natural aluminum <b>DWHGXD</b> Textured white <b>DSSTXD</b> Textured sandstone
	<b>TBD</b>



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WEDGE2 LED  
Rev. 03/01/22

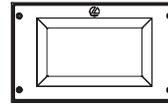
### Accessories

Ordered and shipped separately.

- WDGEAWS DDBXD    WDGE 3/8inch Architectural Wall Spacer (specify finish)
- WDGE2P8BW DDBXD U    WDGE2 surface-mounted back box (specify finish)

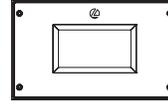
#### NOTES

- 1 P1-P5 not available with sensors/controls. Sensors/controls only available with P1SW, P2SW and P3SW.
- 2 50K not available in 90CRI
- 3 347V and 480V not available with E4WH, E10WH, E20WC or DS.
- 4 PE not available in 480V or with sensors/controls
- 5 DS option not available with E4WH, E10WH, E20WC or sensors/controls.
- 6 DMG option not available with sensors/controls
- 7 Not qualified for DLC. Not available with emergency battery backup or sensors/controls



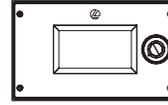
Default configuration with no sensors/controls.

Power Packages: P1, P2, P3, P4, P5



Small Window (SW) configuration

Power Packages: P1SW, P2SW, P3SW



Configuration with sensors/controls

Power Packages: P1SW, P2SW, P3SW

## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					35K (3500K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1 / P1SW	10W	VF	1,166	119	0	0	0	1,209	123	0	0	0	1,251	128	0	0	0	1,256	128	0	0	0	1,254	128	0	0	0
		VW	1,197	122	0	0	0	1,241	126	0	0	0	1,284	131	0	0	0	1,289	131	0	0	0	1,286	131	0	0	0
P2 / P2SW	15W	VF	1,878	129	1	0	0	1,947	134	1	0	0	2,015	139	1	0	0	2,023	139	1	0	0	2,019	139	1	0	0
		VW	1,927	133	1	0	0	1,997	137	1	0	0	2,067	142	1	0	0	2,075	143	1	0	0	2,071	143	1	0	0
P3 / P3SW	23W	VF	2,908	129	1	0	0	3,015	134	1	0	0	3,119	138	1	0	0	3,132	139	1	0	0	3,126	139	1	0	0
		VW	2,983	132	1	0	0	3,093	137	1	0	0	3,200	142	1	0	0	3,213	143	1	0	0	3,206	142	1	0	0
P4	35W	VF	4,096	117	1	0	1	4,247	121	1	0	1	4,394	126	1	0	1	4,412	126	1	0	1	4,403	126	1	0	1
		VW	4,202	120	1	0	0	4,357	125	1	0	1	4,508	129	1	0	1	4,526	129	1	0	1	4,517	129	1	0	1
P5	48W	VF	5,567	115	1	0	1	5,772	119	1	0	1	5,972	123	1	0	1	5,996	124	1	0	1	5,984	124	1	0	1
		VW	5,711	118	1	0	1	5,921	122	1	0	1	6,127	126	1	0	1	6,151	127	1	0	1	6,139	127	1	0	1

### Electrical Load

Performance Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1 / P1SW	10W	0.082	0.049	0.043	0.038	--	--
	13W	--	--	--	--	0.046	0.033
P2 / P2SW	15W	0.132	0.081	0.072	0.064	--	--
	18W	--	--	--	--	0.056	0.041
P3 / P3SW	23W	0.195	0.114	0.100	0.088	--	--
	26W	--	--	--	--	0.079	0.058
P4	35W	0.302	0.175	0.152	0.134	--	--
	38W	--	--	--	--	0.115	0.086
P5	48W	0.434	0.241	0.211	0.184	--	--
	52W	--	--	--	--	0.157	0.119

### Lumen Multiplier for 90CRI

CCT	Multiplier
27K	0.845
30K	0.867
35K	0.845
40K	0.885
50K	0.898

### Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Dist. Type	Lumens
E4WH	VF	646
	VW	647
E10WH	VF	1,658
	VW	1,701
E20WC	VF	2,840
	VW	2,913

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C    32°F	1.03
10°C    50°F	1.02
20°C    68°F	1.01
25°C    77°F	1.00
30°C    86°F	0.99
40°C    104°F	0.98

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.95	>0.91



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WDGE2 LED  
Rev. 03/01/22

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.



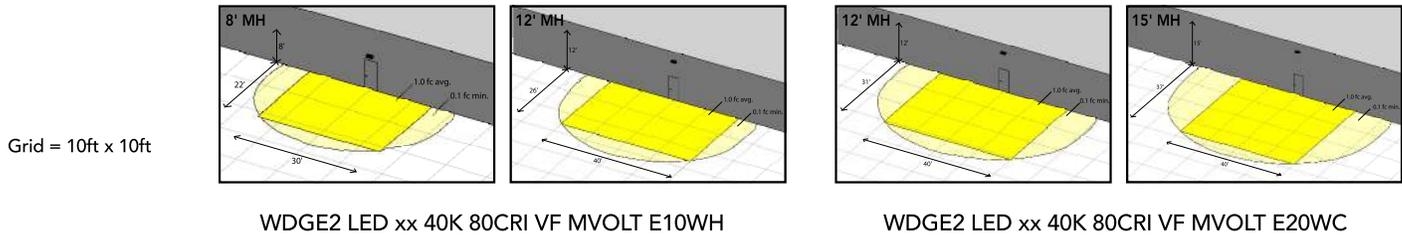
## Emergency Egress Options

### Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

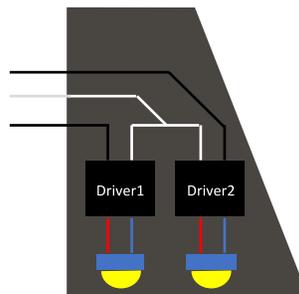
The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E10WH or E20WC and VF distribution.



### Dual Switching (DS) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with two drivers and two light engines. These work completely independent to each other so that a failure of any individual component does not cause the whole luminaire to go dark. This option is typically used with a back generator or inverter providing emergency power.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9



## Control / Sensor Options

### Motion/Ambient Sensor (PIR, PIRH)

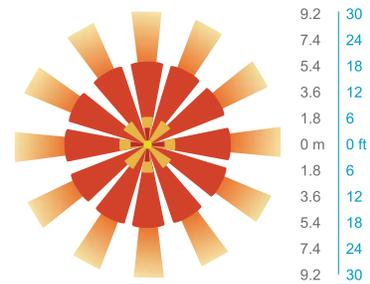
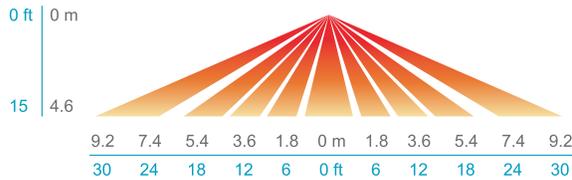
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

### Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

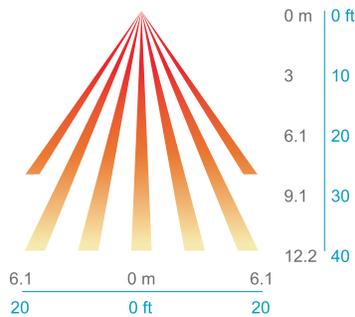
#### PIR

##### HIGH VIEW

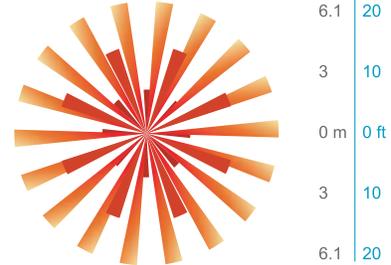


#### PIRH

##### SIDE VIEW



##### TOP VIEW



Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec

## Mounting, Options & Accessories



### NLTAIR2 PIR – nLight AIR Motion/Ambient Sensor

D = 7"

H = 11"

W = 11.5"



### PBBW – Surface-Mounted Back Box Use when there is no junction box available.

D = 1.75"

H = 9"

W = 11.5"



### AWS – 3/8inch Architectural Wall Spacer

D = 0.38"

H = 4.4"

W = 7.5"

## FEATURES & SPECIFICATIONS

### INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

### CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

### FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

### OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine consists of high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

### INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

### LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

### BUY AMERICAN

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

### WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



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WDGE2 LED  
Rev. 03/01/22



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : WDGE2 LED P3 40K 80CRI VW.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] ISF 20154P25  
 [ISSUEDATE] 11/5/2019  
 [TESTLAB] ACUITY BRANDS LIGHTING, DECATUR LAB  
 [MANUFAC] Lithonia Lighting  
 [LUMCAT] WDGE2 LED P3 40K 80CRI VW  
 [LUMINAIRE] WDGE2 LED WITH P3 - PERFORMANCE PACKAGE, 4000K, 80CRI, VISUAL COMFORT WIDE OPTIC  
 [DISTRIBUTION] TYPE III, VERY SHORT, BUG RATING: B1 - U0 - G0  
 [\_TOTALLUMINAIRELUMENS] 3213  
 [\_INPUTWATTAGE] 22.55  
 [\_MOUNTING] WALL MOUNT  
 [\_PHYSICALDIMENSIONS] 0.95833, 0.5833, 0.75  
 [\_PRODUCTID] 59428784-cd5e-4b28-a855-8f72f9163b66  
 [\_SERIES] WDGE2  
 [\_SERIESID] 993532

**CHARACTERISTICS**

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3214
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	22.55
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2449.088
Maximum Candela Angle	2.5H 45V
Maximum Candela (<90 Degrees Vertical)	2449.088
Maximum Candela Angle (<90 Degrees Vertical)	2.5H 45V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	96.932 (3.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

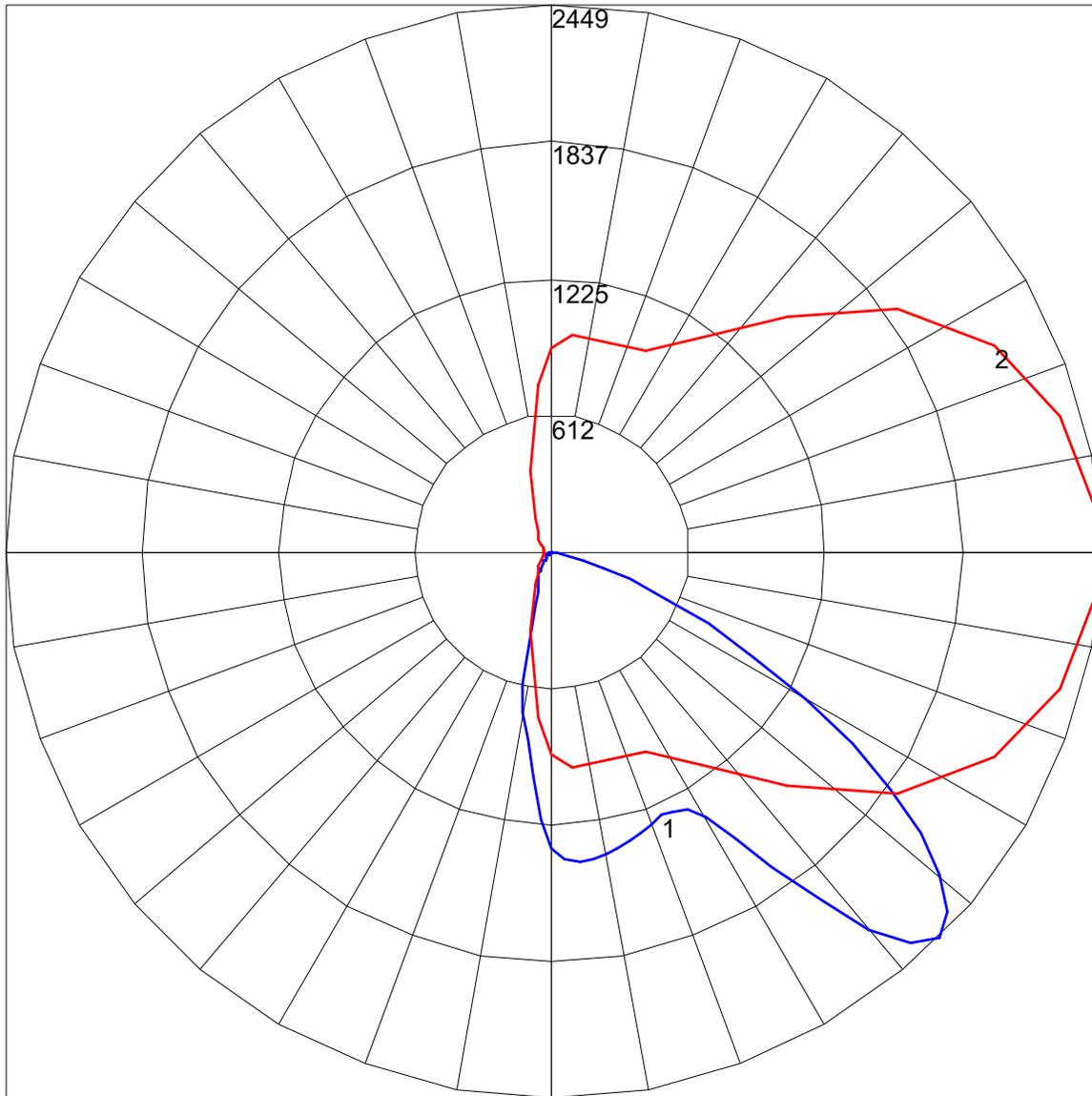
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WDGE2 LED P3 40K 80CRI VW.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	548.7	N.A.	17.1
FM - Front-Medium (30-60)	1648.0	N.A.	51.3
FH - Front-High (60-80)	488.9	N.A.	15.2
FVH - Front-Very High (80-90)	6.8	N.A.	0.2
BL - Back-Low (0-30)	253.1	N.A.	7.9
BM - Back-Medium (30-60)	218.0	N.A.	6.8
BH - Back-High (60-80)	47.8	N.A.	1.5
BVH - Back-Very High (80-90)	2.6	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	3213.9	N.A.	100.0
BUG Rating	B1-U0-G0		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WDGE2 LED P3 40K 80CRI VW.IES**

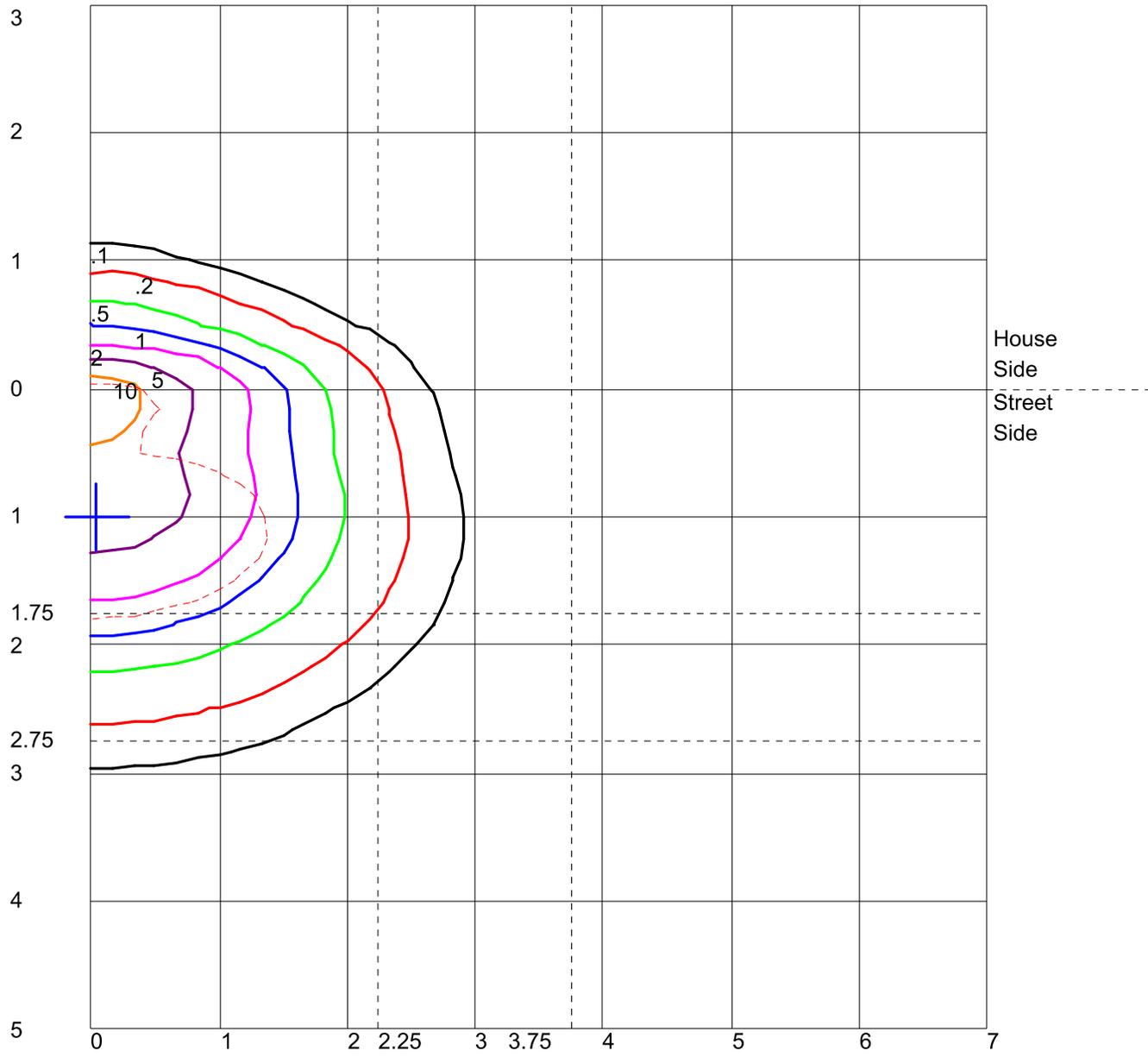
**POLAR GRAPH**



Maximum Candela = 2449.088 Located At Horizontal Angle = 2.5, Vertical Angle = 45  
# 1 - Vertical Plane Through Horizontal Angles (2.5 - 182.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WDGE2 LED P3 40K 80CRI VW.IES**

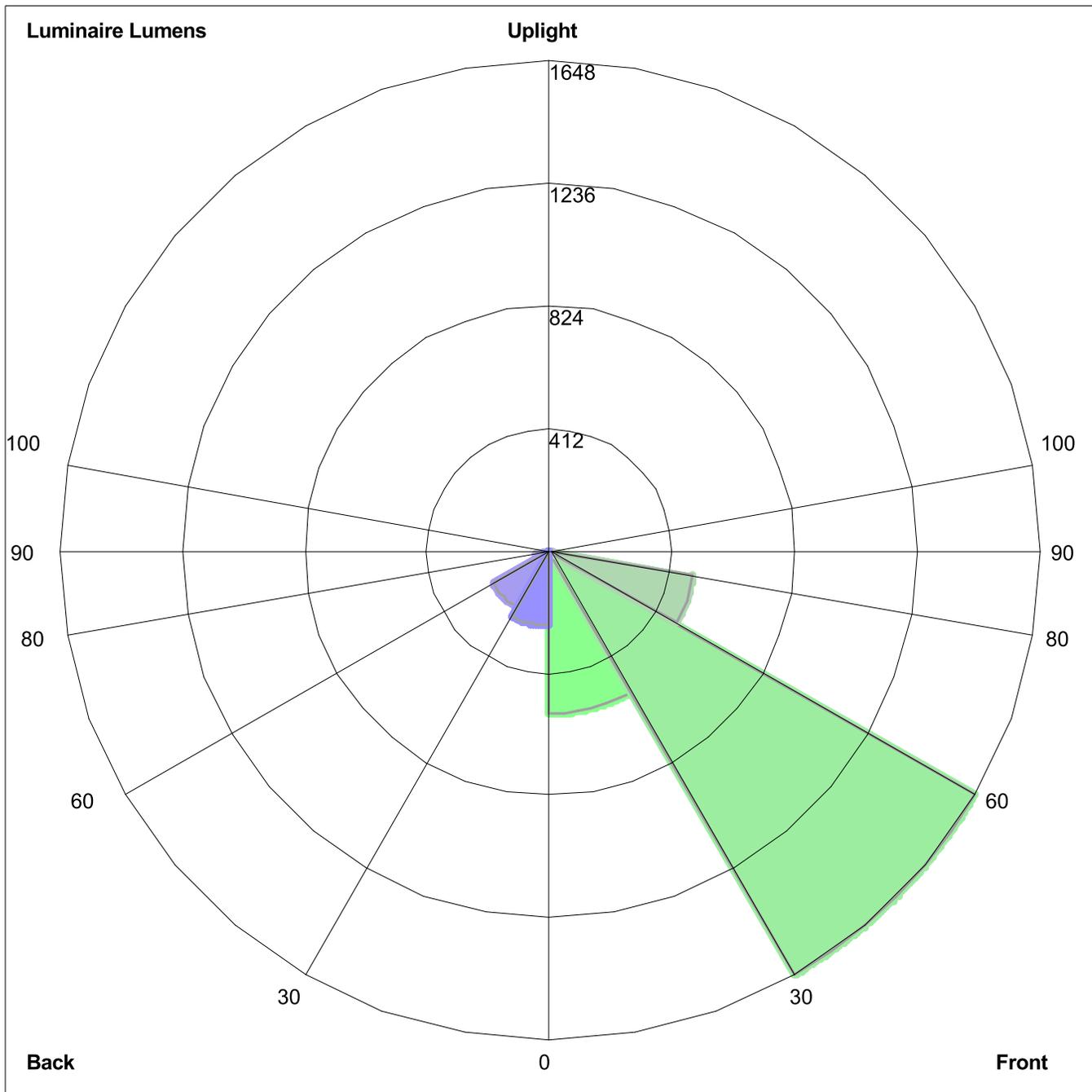
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE**



Distance In Units Of Mounting Height  
Values Based On 10 Foot Mounting Height  
1/2 Maximum Candela Trace Shown As Dashed Curve  
(+) = Maximum Candela Point

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WDGE2 LED P3 40K 80CRI VW.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**



Luminaire Lumens:  
Front: Low=548.7, Medium= 1648.0, High=488.9, Very High=6.8  
Back: Low=253.1, Medium=218.0, High=47.8, Very High=2.6  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0



# WDGE2 LED

## Architectural Wall Sconce

### Precision Refractive Optic



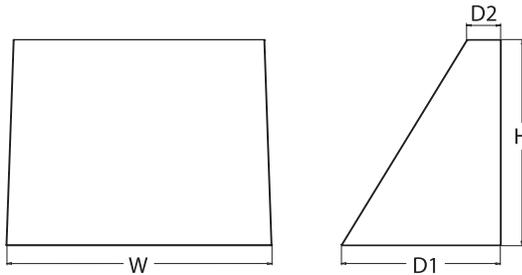
Catalog Number
Notes
Type

**TYPE OWG**

Hit the Tab key or mouse over the page to see all interactive elements.

### Specifications

- Depth (D1):** 7"
- Depth (D2):** 1.5"
- Height:** 9"
- Width:** 11.5"
- Weight:** 13.5 lbs  
(without options)



### Introduction

The WDGE2 LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE2 family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

### WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

### Ordering Information

**EXAMPLE: WDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD**

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE2 LED	P0 <sup>1</sup>	27K 2700K	70CRI <sup>4</sup>	T1S Type I Short	MVOLT	<b>Shipped included</b> SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) <sup>6</sup>  <b>Shipped separately</b> AWS 3/8inch Architectural wall spacer PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.
	P1 <sup>2</sup>	30K 3000K	80CRI	T2M Type II Medium	347 <sup>5</sup>	
	P2 <sup>2</sup>	40K 4000K	LW <sup>3</sup> Limited Wavelength	T3M Type III Medium	480 <sup>5</sup>	
	P3 <sup>2</sup>	50K 5000K		T4M Type IV Medium		
	P4 <sup>2</sup>	AMB <sup>3</sup> Amber		TFTM Forward Throw Medium		

Options	Finish
<b>E10WH</b> Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min) <b>E20WC</b> Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min) <b>PE<sup>7</sup></b> Photocell, Button Type <b>DMG<sup>8</sup></b> 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) <b>BCE</b> Bottom conduit entry for back box (PBBW). Total of 4 entry points. <b>BAA</b> Buy America(n) Act Compliant	<b>DDBXD</b> Dark bronze <b>DBLXD</b> Black <b>DNAXD</b> Natural aluminum <b>DWHXD</b> White <b>DSSXD</b> Sandstone <b>DBBTXD</b> Textured dark bronze <b>DBLTXD</b> Textured black <b>DNATXD</b> Textured natural aluminum <b>DWHGXD</b> Textured white <b>DSSTXD</b> Textured sandstone  <b>TBD</b>
<b>Standalone Sensors/Controls</b> <b>PIR</b> Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. <b>PIRH</b> Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. <b>PIR1FC3V</b> Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation. <b>PIRH1FC3V</b> Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.  <b>Networked Sensors/Controls</b> <b>NLTAIR2 PIR</b> nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights. <b>NLTAIR2 PIRH</b> nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights. See page 4 for out of box functionality	



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WDGE2 LED  
Rev. 11/21/22

**Accessories**

*Ordered and shipped separately.*

- WDGEAWS DDBXD WDGE 3/8inch Architectural Wall Spacer (specify finish)
- WDGE2P8BW DDBXD U WDGE2 surface-mounted back box (specify finish)

**NOTES**

- 1 PO option not available with sensors/controls.
- 2 P1-P4 not available with AMB and LW.
- 3 AMB and LW always go together.
- 4 70CRI only available with T3M and T4M.
- 5 347V and 480V not available with E10WH or E20WC.
- 6 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
- 7 PE not available in 480V or with sensors/controls.
- 8 DMG option not available with sensors/controls.

**Performance Data**

**Lumen Output**

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)					Amber (Limited Wavelength)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T1S	636	92	0	0	0	666	97	0	0	0	699	101	0	0	1	691	100	0	0	1	712	47	0	0	1
		T2M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T3M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T4M	648	94	0	0	0	679	98	0	0	0	712	103	0	0	0	704	102	0	0	0	726	47	0	0	0
		TFTM	652	95	0	0	0	683	99	0	0	0	717	104	0	0	0	708	103	0	0	0	730	48	0	0	1
P1	11W	T1S	1,105	99	0	0	1	1,157	104	0	0	1	1,215	109	0	0	1	1,200	107	0	0	1					
		T2M	1,150	103	0	0	1	1,204	108	0	0	1	1,264	113	0	0	1	1,249	112	0	0	1					
		T3M	1,150	103	0	0	1	1,205	108	0	0	1	1,265	113	0	0	1	1,250	112	0	0	1					
		T4M	1,126	101	0	0	1	1,179	106	0	0	1	1,238	111	0	0	1	1,223	110	0	0	1					
		TFTM	1,133	101	0	0	1	1,186	106	0	0	1	1,245	112	0	0	1	1,230	110	0	0	1					
P2	19W	T1S	1,801	95	1	0	1	1,886	99	1	0	1	1,981	104	1	0	1	1,957	103	1	0	1					
		T2M	1,875	99	1	0	1	1,963	103	1	0	1	2,061	109	1	0	1	2,037	107	1	0	1					
		T3M	1,876	99	1	0	1	1,964	103	1	0	1	2,062	109	1	0	1	2,038	107	1	0	1					
		T4M	1,836	97	1	0	1	1,922	101	1	0	1	2,018	106	1	0	1	1,994	105	1	0	1					
		TFTM	1,847	97	1	0	1	1,934	102	1	0	1	2,030	107	1	0	1	2,006	106	1	0	1					
P3	32W	T1S	2,809	87	1	0	1	2,942	92	1	0	1	3,089	96	1	0	1	3,052	95	1	0	1					
		T2M	2,924	91	1	0	1	3,062	95	1	0	1	3,215	100	1	0	1	3,176	99	1	0	1					
		T3M	2,925	91	1	0	1	3,063	95	1	0	1	3,216	100	1	0	1	3,177	99	1	0	1					
		T4M	2,862	89	1	0	1	2,997	93	1	0	1	3,147	98	1	0	1	3,110	97	1	0	1					
		TFTM	2,880	90	1	0	1	3,015	94	1	0	1	3,166	99	1	0	1	3,128	97	1	0	1					
P4	47W	T1S	3,729	80	1	0	1	3,904	84	1	0	1	4,099	88	1	0	1	4,051	87	1	0	1					
		T2M	3,881	83	1	0	1	4,063	87	1	0	1	4,267	91	1	0	1	4,216	90	1	0	1					
		T3M	3,882	83	1	0	1	4,065	87	1	0	1	4,268	91	1	0	1	4,217	90	1	0	1					
		T4M	3,799	81	1	0	1	3,978	85	1	0	1	4,177	90	1	0	1	4,127	88	1	0	1					
		TFTM	3,822	82	1	0	1	4,002	86	1	0	1	4,202	90	1	0	1	4,152	89	1	0	1					

Performance Package	System Watts	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)									
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G					
P0	7W	T3M	737	107	0	0	0	763	111	0	0	0	822	119	0	0	0	832	121	0	0	1					
		T4M	721	105	0	0	0	746	108	0	0	0	804	117	0	0	1	814	118	0	0	1					
P1	11W	T3M	1,280	115	0	0	1	1,325	119	0	0	1	1,427	128	1	0	1	1,445	129	1	0	1					
		T4M	1,253	112	0	0	1	1,297	116	0	0	1	1,397	125	0	0	1	1,415	127	0	0	1					
P2	19W	T3M	2,087	110	1	0	1	2,160	114	1	0	1	2,327	123	1	0	1	2,357	124	1	0	1					
		T4M	2,042	108	1	0	1	2,114	111	1	0	1	2,278	120	1	0	1	2,306	121	1	0	1					
P3	32W	T3M	3,254	101	1	0	1	3,369	105	1	0	1	3,629	113	1	0	1	3,675	114	1	0	1					
		T4M	3,185	99	1	0	1	3,297	103	1	0	1	3,552	111	1	0	1	3,597	112	1	0	1					
P4	47W	T3M	4,319	93	1	0	1	4,471	96	1	0	1	4,817	103	1	0	2	4,878	105	1	0	2					
		T4M	4,227	91	1	0	1	4,376	94	1	0	2	4,714	101	1	0	2	4,774	102	1	0	2					



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### Electrical Load

Performance Package	System Watts	Current (A)					
		120Vac	208Vac	240Vac	277Vac	347Vac	480Vac
P0	7.0	0.061	0.042	0.04	0.039	--	--
	9.0	--	--	--	--	0.031	0.021
P1	11.0	0.100	0.064	0.059	0.054	--	--
	14.1	--	--	--	--	0.046	0.031
P2	19.0	0.168	0.106	0.095	0.083	--	--
	22.8	--	--	--	--	0.067	0.050
P3	32.0	0.284	0.163	0.144	0.131	--	--
	37.1	--	--	--	--	0.107	0.079
P4	47.0	0.412	0.234	0.207	0.185	--	--
	53.5	--	--	--	--	0.153	0.112

### Lumen Output in Emergency Mode (4000K, 80 CRI, T3M)

Option	Lumens
E10WH	1,358
E20WC	2,230

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C / 32°F	1.03
10°C / 50°F	1.02
20°C / 68°F	1.01
25°C / 77°F	1.00
30°C / 86°F	0.99
40°C / 104°F	0.97

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.87

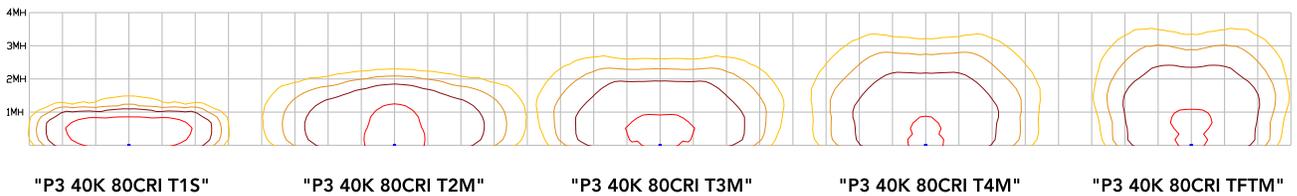
### Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WEDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

#### LEGEND

- 0.25 fc
- 0.5 fc
- 1.0 fc
- 3.0 fc

MH = 10ft  
Grid = 10ft x 10ft



### Emergency Egress Options

#### Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

## Control / Sensor Options

### Motion/Ambient Sensor (PIR, PIRH)

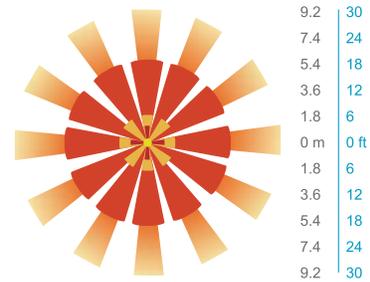
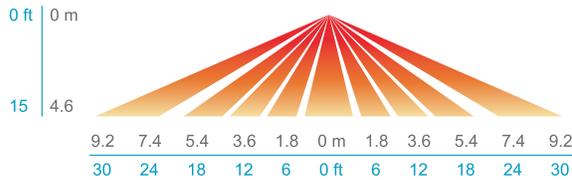
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

### Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

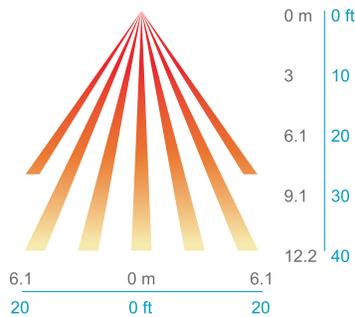
#### PIR

##### HIGH VIEW

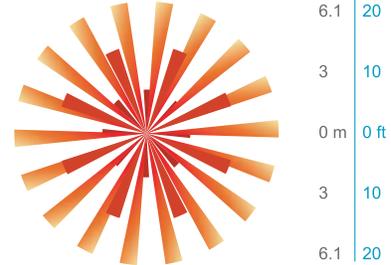


#### PIRH

##### SIDE VIEW



##### TOP VIEW



Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec

## Mounting, Options & Accessories



### Motion/Ambient Sensor

D = 7"  
H = 9" (Standalone controls)  
11" (nLight AIR controls, 2" antenna will be pointing down behind the sensor)  
W = 11.5"



### PBBW – Surface-Mounted Back Box Use when there is no junction box available.

D = 1.75"  
H = 9"  
W = 11.5"



### AWS – 3/8inch Architectural Wall Spacer

D = 0.38"  
H = 4.4"  
W = 7.5"

## FEATURES & SPECIFICATIONS

### INTENDED USE

Common architectural look, with clean rectilinear shape, of the WEDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

### CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

### FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

### OPTICS

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. The WEDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

### INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

### LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

### BUY AMERICAN ACT

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

### WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.





**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : WDGE2 LED P2 40K 70CRI T2M.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] ISF 21566P22  
 [ISSUE DATE] 7/14/2021  
 [TEST LAB] ACUITY BRANDS LIGHTING, DECATUR LAB  
 [MANUFAC] Lithonia Lighting  
 [LUMCAT] WDGE2 LED P2 40K 70CRI T2M  
 [LUMINAIRE] WDGE2 LED WITH P2 - PERFORMANCE PACKAGE, 4000K, 70CRI, TYPE 2 MEDIUM OPTIC  
 [DISTRIBUTION] TYPE III, MEDIUM, BUG RATING: B1 - U0 - G1  
 [\_TOTAL LUMINAIRE LUMENS] 2326  
 [\_INPUT WATTAGE] 18.9815  
 [\_LAMP TYPE] LED  
 [\_MOUNTING] WALL MOUNT  
 [\_PHYSICAL DIMENSIONS] 0.41, 0.62, 0  
 [\_PRODUCT ID] bf36d8d8-511e-42d3-96f9-d87162a5d4aa  
 [\_SERIES] WDGE2  
 [\_SERIES ID] 993532

**CHARACTERISTICS**

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2326
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	18.9815
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1879.621
Maximum Candela Angle	75H 70V
Maximum Candela (<90 Degrees Vertical)	1879.621
Maximum Candela Angle (<90 Degrees Vertical)	75H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	425.469 (18.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

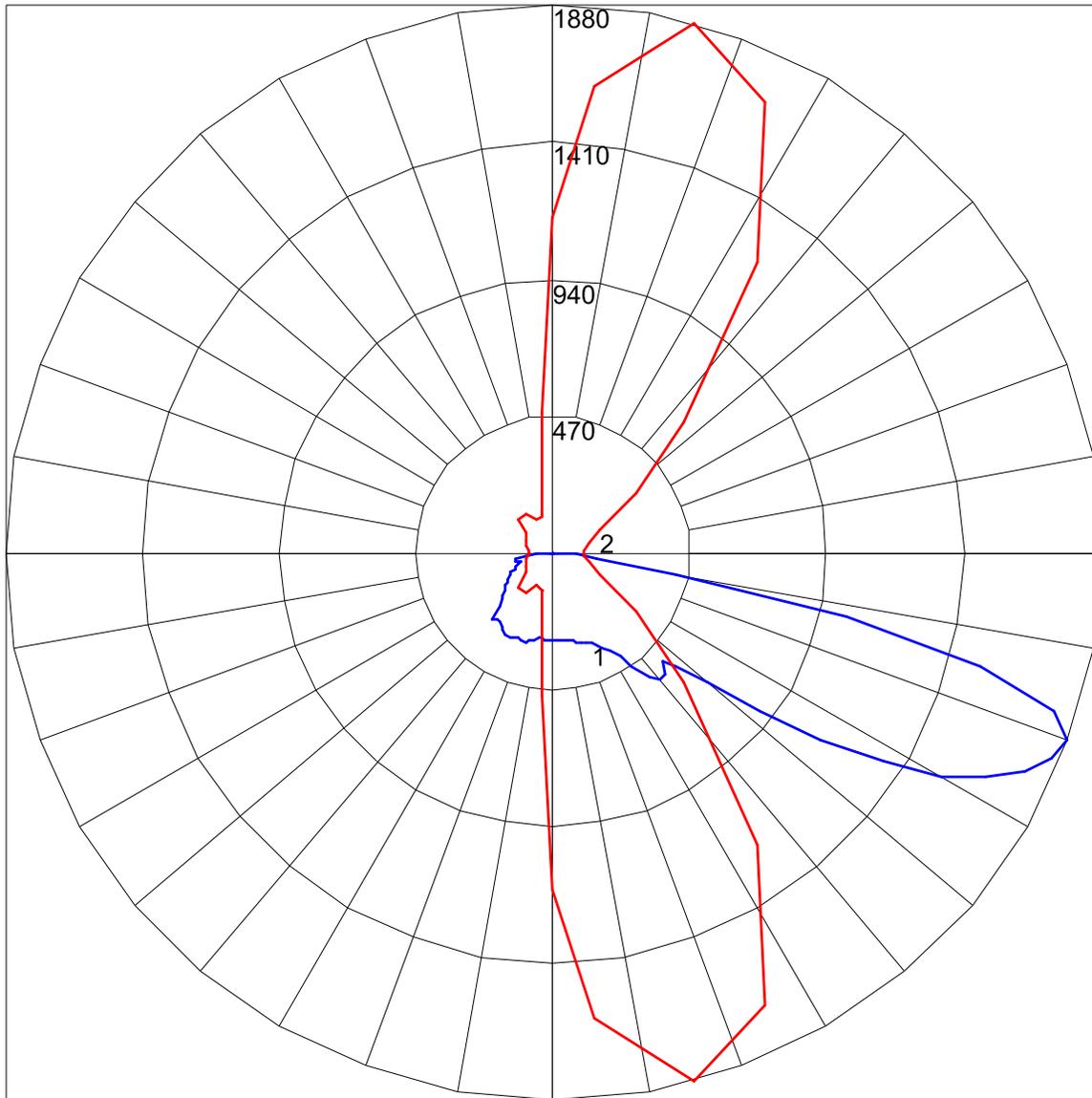
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WDGE2 LED P2 40K 70CRI T2M.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	150.6	N.A.	6.5
FM - Front-Medium (30-60)	833.8	N.A.	35.8
FH - Front-High (60-80)	791.0	N.A.	34.0
FVH - Front-Very High (80-90)	26.9	N.A.	1.2
BL - Back-Low (0-30)	100.0	N.A.	4.3
BM - Back-Medium (30-60)	232.8	N.A.	10.0
BH - Back-High (60-80)	174.4	N.A.	7.5
BVH - Back-Very High (80-90)	16.9	N.A.	0.7
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	2326.4	N.A.	100.0
BUG Rating	B1-U0-G1		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WDGE2 LED P2 40K 70CRI T2M.IES**

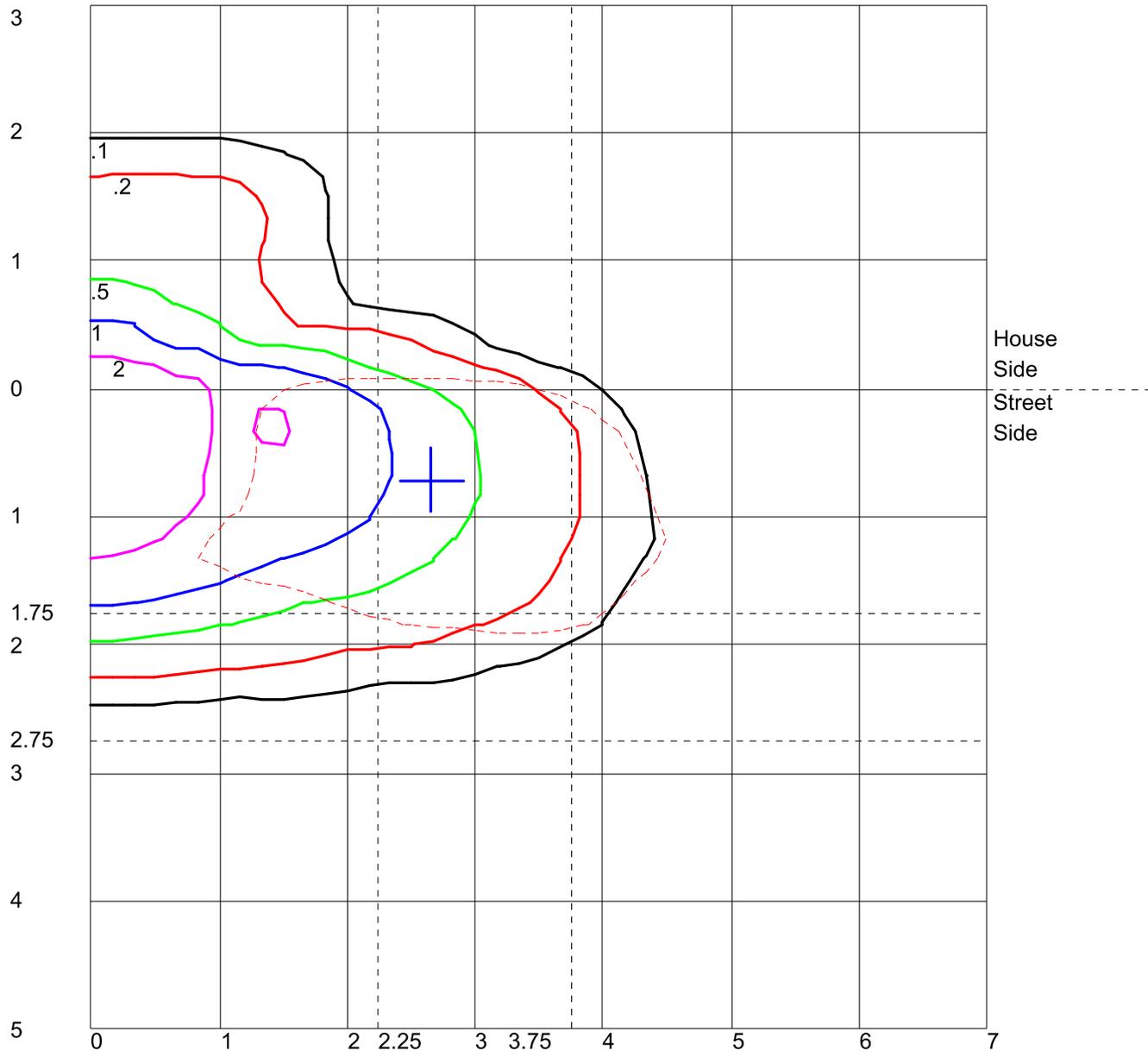
**POLAR GRAPH**



Maximum Candela = 1879.621 Located At Horizontal Angle = 75, Vertical Angle = 70  
# 1 - Vertical Plane Through Horizontal Angles (75 - 255) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WDGE2 LED P2 40K 70CRI T2M.IES**

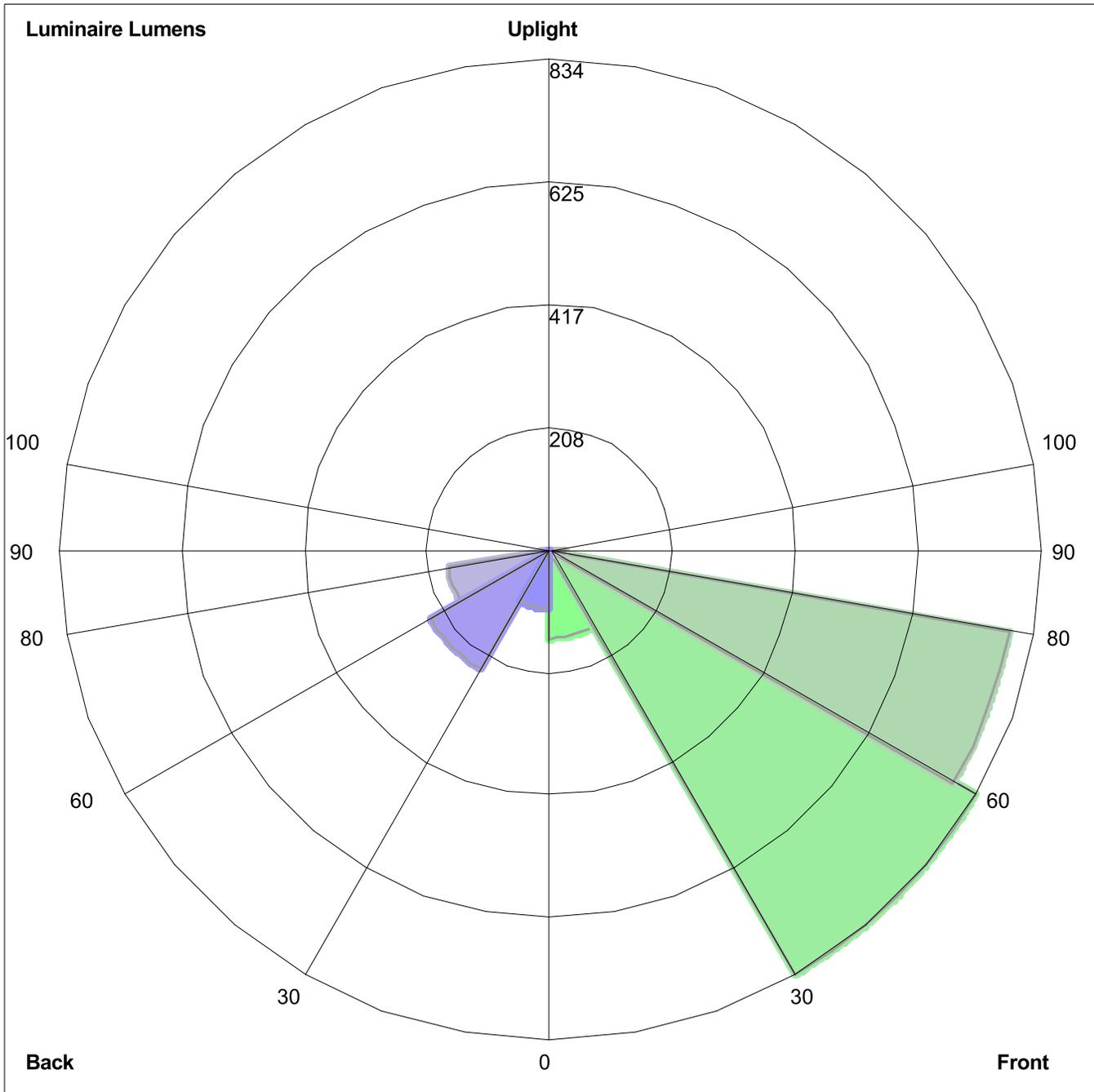
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE**



Distance In Units Of Mounting Height  
Values Based On 10 Foot Mounting Height  
1/2 Maximum Candela Trace Shown As Dashed Curve  
(+) = Maximum Candela Point

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WDGE2 LED P2 40K 70CRI T2M.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**



Luminaire Lumens:  
Front: Low=150.6, Medium=833.8, High=791.0, Very High=26.9  
Back: Low=100.0, Medium=232.8, High=174.4, Very High=16.9  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1