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): 8137 Mayo Drive, 8125 Grotto Lane, 8113 Grotto Lane

Title: Aster Flats

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

UDC meeting date requested 9/11/24

☐ 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

Administrative Minor Alteration to a PD and SIP

4. Applicant, Agent, and Property Owner Information

Applicant name RPP Midtown LLC Company Moyer Properties LLC

Street address 1550 Hawthorne Lane City/State/Zip Highland Park, IL 60035

Telephone 419-345-4643 Email alex@ravineparkpartners.com

Project contact person Alex Milanoski Company Moyer Properties LLC

Street address 1550 Hawthorne Lane City/State/Zip Highland Park, IL 60035

Telephone 419-345-4643 Email alex@ravineparkpartners.com

Property owner (if not applicant) _____

Street address _____ City/State/Zip _____

Telephone _____ Email _____

URBAN DESIGN COMMISSION APPROVAL PROCESS

UDC

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

UDC

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)

☑ **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. 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 on 8/19/2024.

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 RPP Midtown LLC Relationship to property Owner/Developer

Authorizing signature of property owner Alexa M. Milanoski Date 8/19/2024

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

MP Moyer Properties

September 3, 2024

City of Madison
Planning Division
215 Martin Luther King, Jr. Blvd, Suite 017
Madison, WI 53701

Re: Letter of Intent – Aster Flats
8137 Mayo Drive, 8125 Grotto Lane, 8113 Grotto Lane
Alteration to an Existing PD-SIP Land Use Application – UDC Review

This letter, together with plans, application and supplemental materials, constitutes our Application for Alteration of an Existing Planned Development for the Aster Flats Development in the Midtown Commons Neighborhood.

Project Location:
The project site is located at 8137 Mayo Drive, 8125 Grotto Lane, & 8113 Grotto Lane in the Midtown Commons Neighborhood. The site is 4.864 acres.

Project Team:
Owner/Developer: RPP Midtown, LLC
Civil Engineer & Landscape Architect: Vierbicher & Associates
Architect: HKM Architects and Planners, Inc

Project Description:
Situated on 4.86 acres, this Class A market-rate development consists of 261 apartments across three residential buildings. Each building is situated over 1-2 stories of heated underground parking and adjacent to dedicated surface parking areas providing a ratio of 1.49 spaces per unit across the development. The community provides 42 studio units (16.09%), 134 1-bedroom units (51.34%), 69 2-bedroom units (26.44%) and 16 3-bedroom units (6.13%).

Proposed Changes:
Alterations to the approved GDP primarily occur in Building B (8125 Grotto Lane). The commercial space in the building was relocated to the corner of Waldorf Blvd and Mid Town Rd from the previous location at Waldorf Blvd and Grotto Ln to maximize street exposure, commercial viability, and pedestrian level activation. This shift allows for increased ceiling heights in the commercial space and a southern exposure patio along Mid Town Rd. The amenity and pool deck for the building was relocated to maximize southern exposure and enjoyment for future residents. No material changes were made from the previously approved GDP.

Anticipated Schedule:
Construction of this project is scheduled for a fall of 2025 start with phased completions occurring for each building in spring, summer, and fall of 2027.

Sincerely,
RPP Midtown, LLC

Alex M. Milanoski

Alex Milanoski
Direct: 419.345.4643
Email: alex@ravineparkpartners.com


asterflats

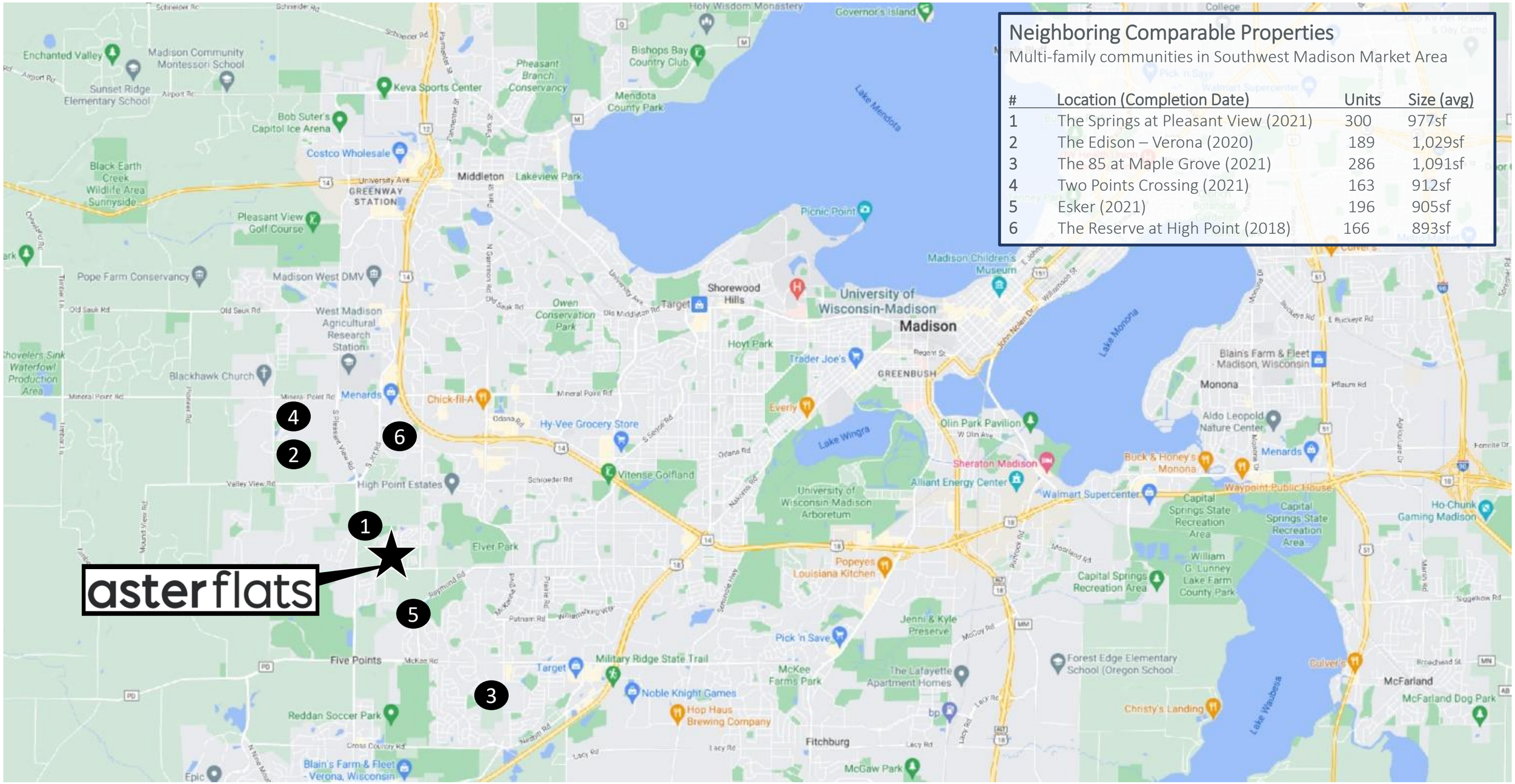


The best of all worlds. Surrounded by nature, recreational parks, and golf courses - life on the edge of Madison merges both the pastoral and urban. **Aster Flats** aims to set a new bar for apartment living. **Elevated amenities, finishes and design** - this is the next tier up for renters in the Madison area. Whether relaxing in the shady oasis beside the pool, or hanging with friends beside the clubhouse fireplace, residents will take part in an active community built for year-round enjoyment. **We're designing for times of change.** Madison's renowned universities and newly arriving tech companies are fueling local **growth and culture**. To serve the modern lifestyle, we've integrated coworking spaces, a state-of-the-art fitness center, and a clubhouse with a community kitchen and social center - all for an unparalleled indoor and outdoor **experience.**

Neighboring Comparable Properties

Multi-family communities in Southwest Madison Market Area

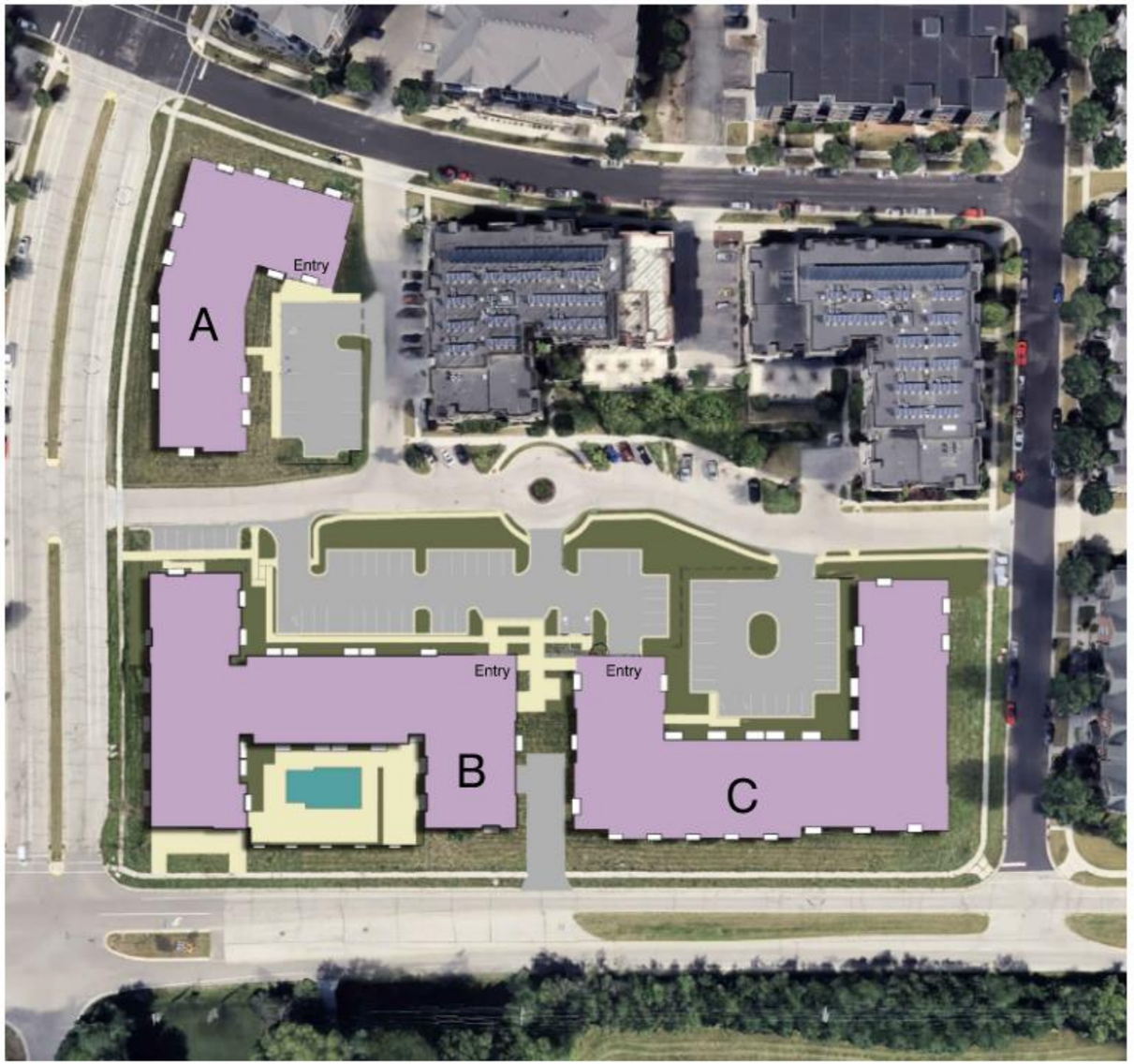
#	Location (Completion Date)	Units	Size (avg)
1	The Springs at Pleasant View (2021)	300	977sf
2	The Edison – Verona (2020)	189	1,029sf
3	The 85 at Maple Grove (2021)	286	1,091sf
4	Two Points Crossing (2021)	163	912sf
5	Esker (2021)	196	905sf
6	The Reserve at High Point (2018)	166	893sf



Changes occur at **Building B.** The revised development plan shifts the **commercial space** location to the southwest corner of Building B and rotates the **amenity deck** to achieve southern exposure. These changes **improve the resident experience** and **activate the street front** to maximize commercial success at the corner of **Waldorf Blvd and Mid Town Rd.**



Approved



Proposed

North

Approx.
0 50' 100' 200'

The revised development keeps the **direct entry townhome units** along **Mid Town Rd**, which is a **unifying element** between Buildings B & C. These changes also provide **façade variation** along the main road to prevent the development feeling monolithic in nature.



Approved



Proposed

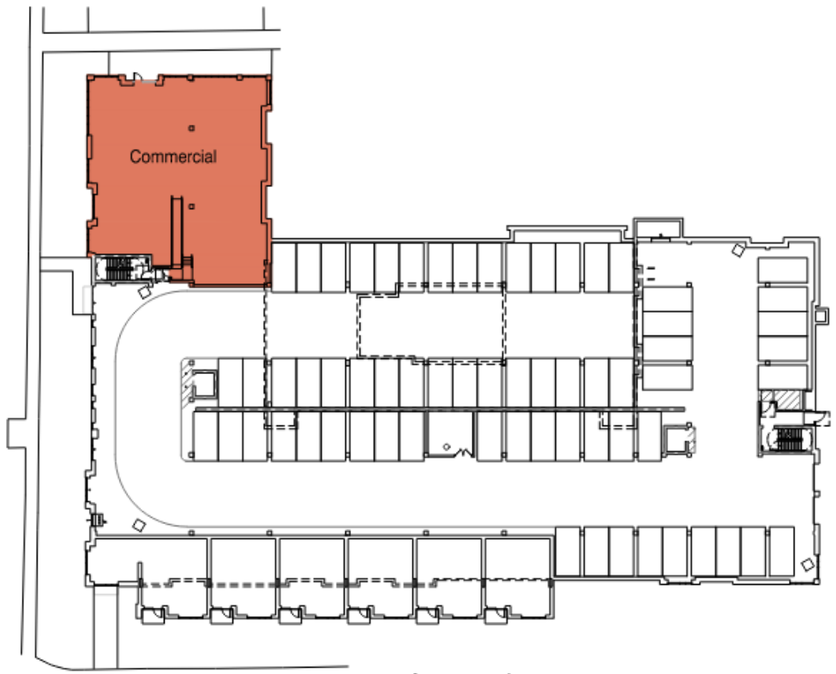
The **commercial space** is now a **viable retail location** for potential tenants with **higher ceiling heights, a southern-exposure patio,** and **easy access to public transportation and bike lanes.** Relocating the **amenity deck** along this façade aid in **activating the street front** with views to **umbrellas, landscaped planters,** and other **outdoor amenities.**



Approved

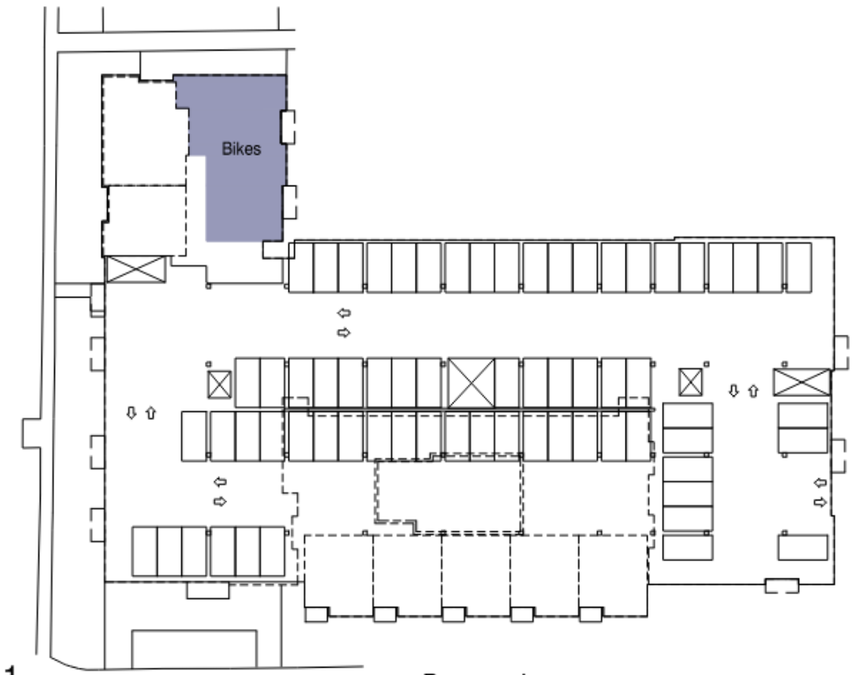


Proposed

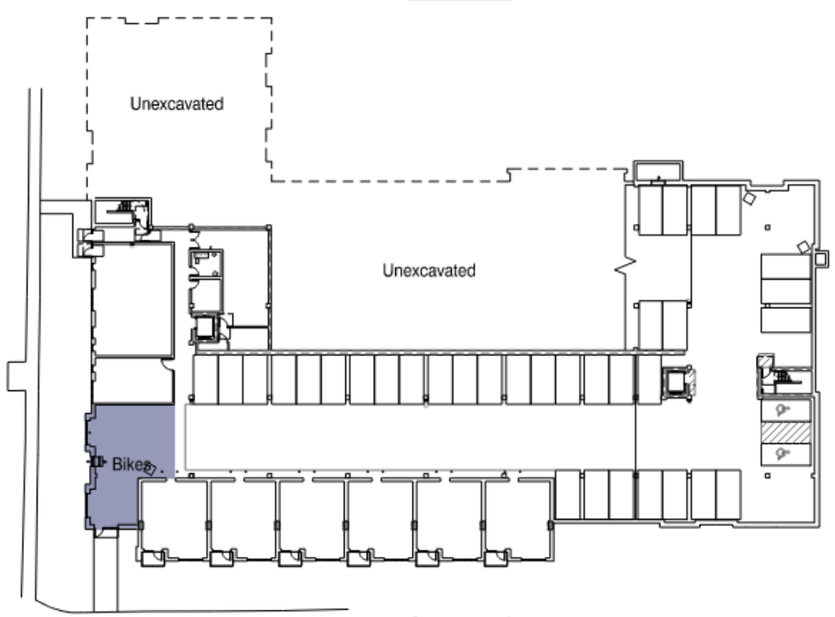


Approved

Sublevel 1

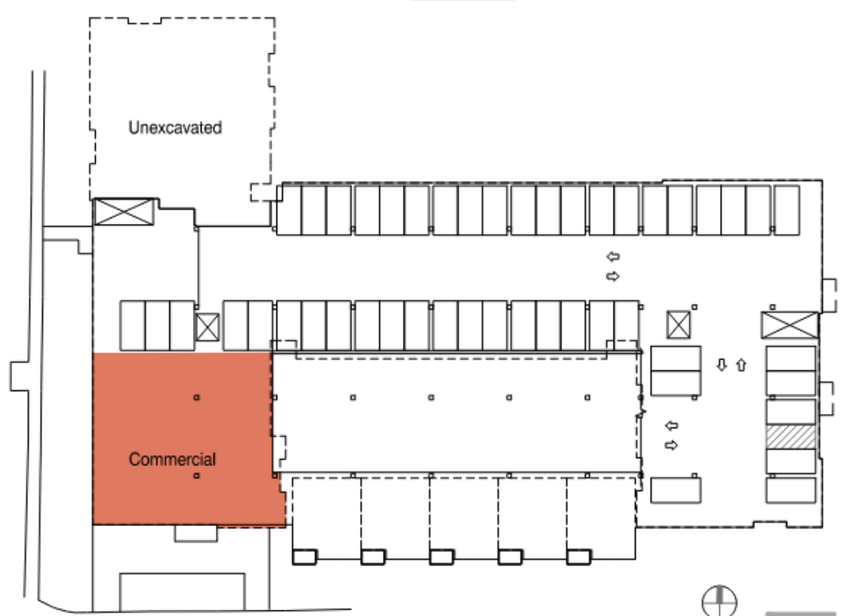


Proposed



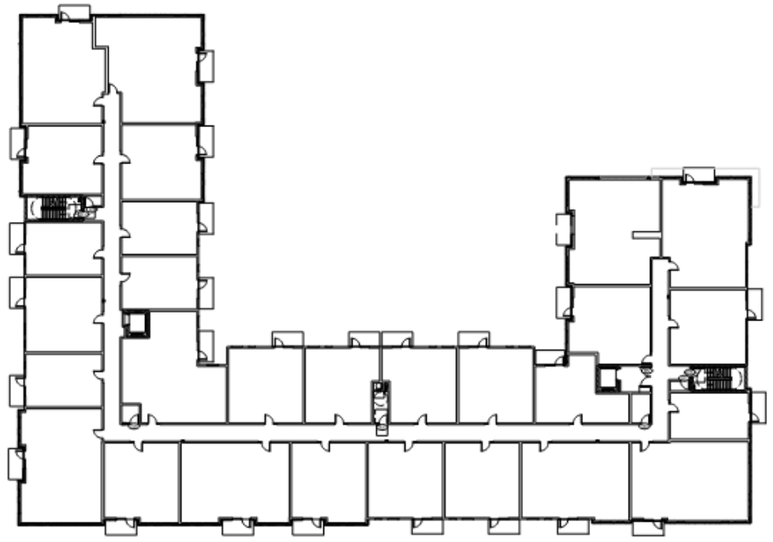
Approved

Sublevel 2

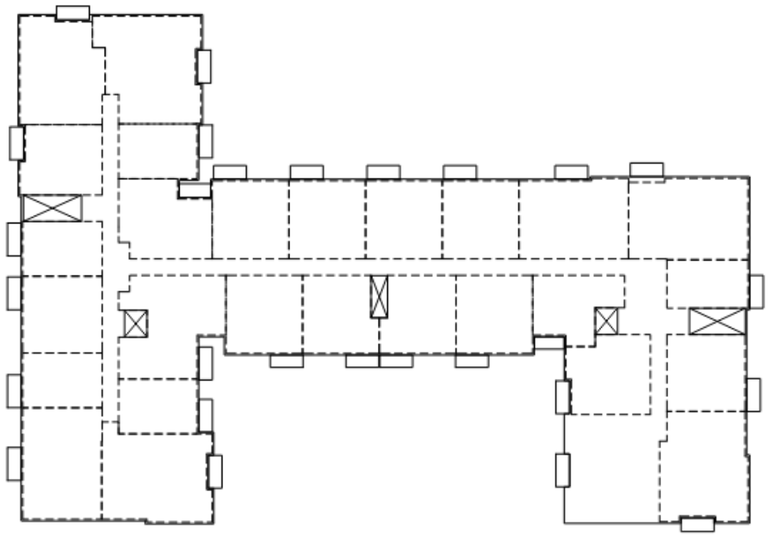


Proposed

North 0 25' 50' 100'



Approved

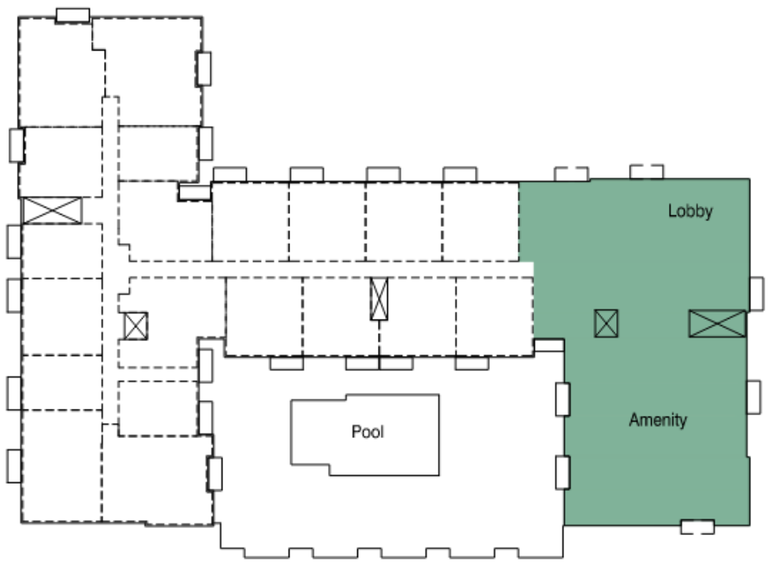


Proposed

Level 2



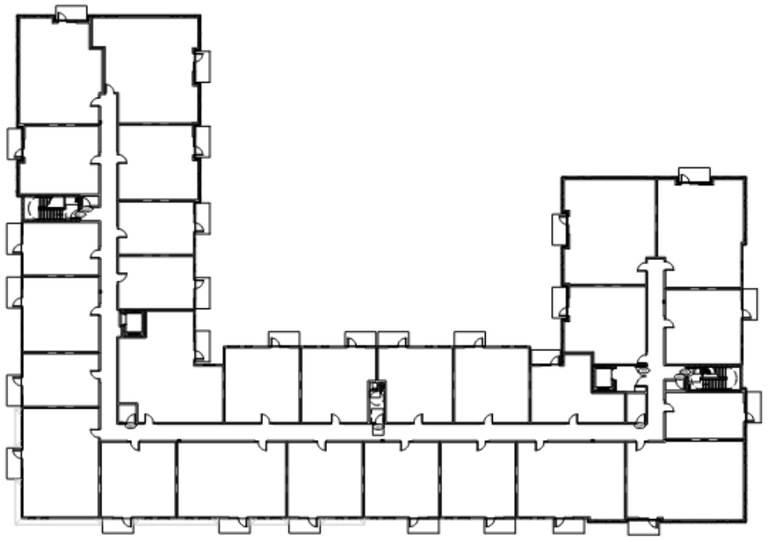
Approved



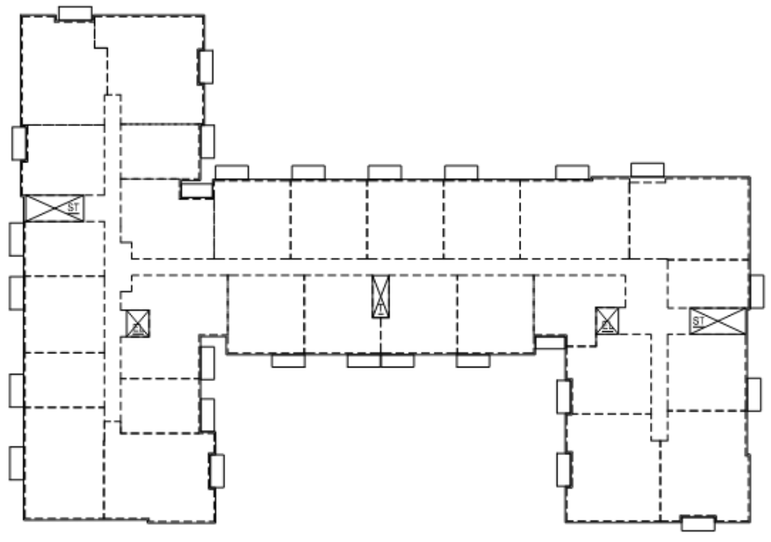
Proposed

Level 1

North 0 25' 50' 100'



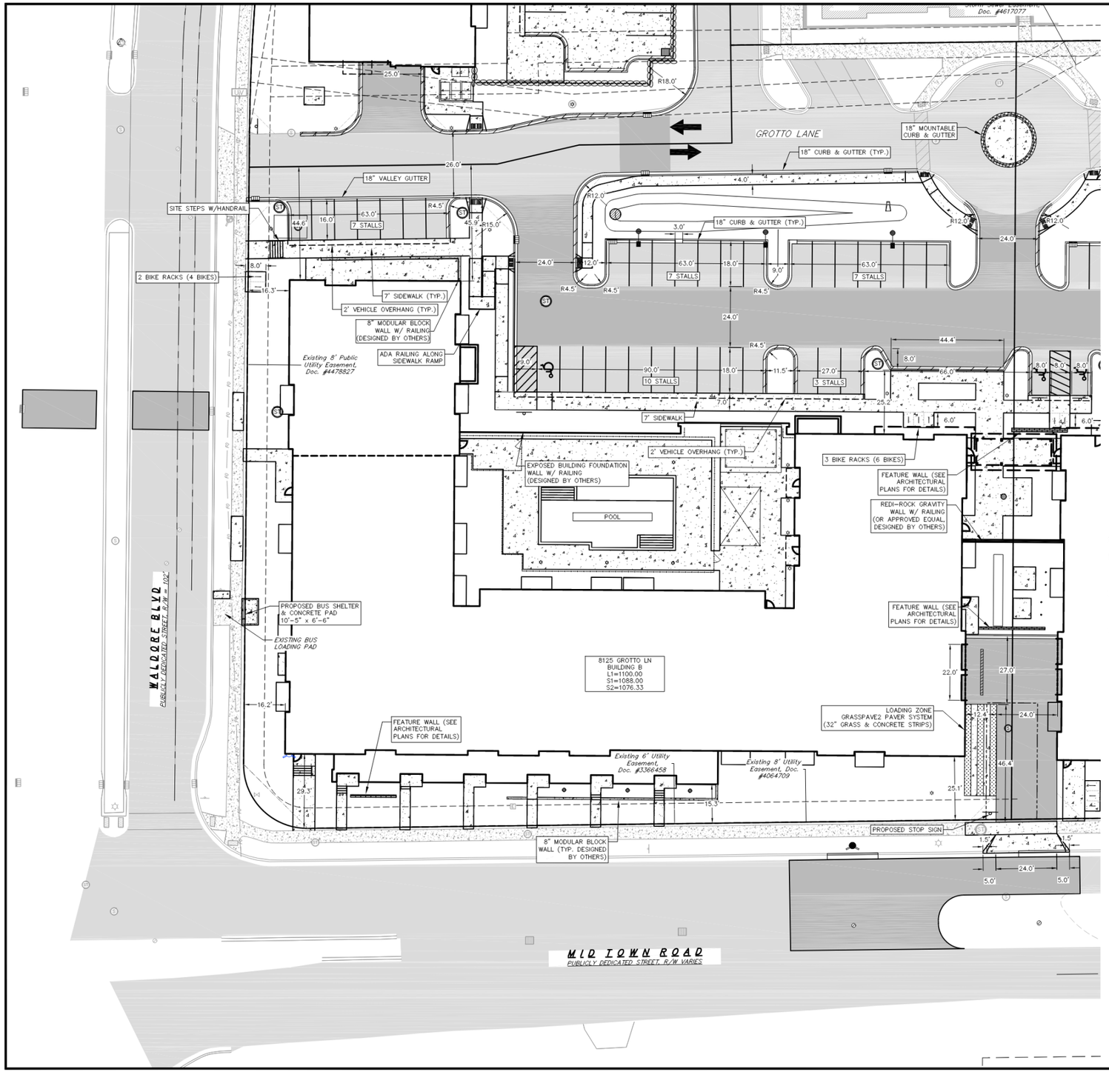
Approved



Proposed

Level 3

North 0 25' 50' 100'



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SITE PLAN LEGEND

- PROPERTY BOUNDARY
- CURB AND GUTTER (REVERSE CURB HATCHED)
- PROPOSED CONCRETE
- PROPOSED LIGHT-DUTY ASPHALT
- PROPOSED HEAVY-DUTY ASPHALT
- PROPOSED SIGN
- PROPOSED LIGHT POLE
- PROPOSED LIGHT BOLLARD
- PROPOSED BOLLARD
- PROPOSED ADA DETECTABLE WARNING FIELD
- PROPOSED HANDICAP PARKING

SITE CONSTRUCTION NOTES:

1. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS.
2. ALL PUBLIC IMPROVEMENTS OR RESTORATION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE COMPLETED PER THE PLANS APPROVED AND ISSUED BY THE CITY ENGINEERING (CONTRACT 8983, CITY PROJECT 13277)
3. NO VISUAL OBSTRUCTIONS ARE ALLOWED BETWEEN THE HEIGHTS OF 30 INCHES AND 10 FEET PER VISION TRIANGLE REQUIREMENTS.

Site Plan - BEFORE

vierbicher
planners | engineers | advisors
Phone: (800) 261-3898

Site Plan - Building B
Midtown Center, Lot 1, Lots 4-7 & Outlot 1
Madison
Dane County, Wisconsin

REVISIONS

NO.	DATE	REMARKS

REVISIONS

NO.	DATE	REMARKS

SCALE
AS SHOWN

DATE
09/23/2022

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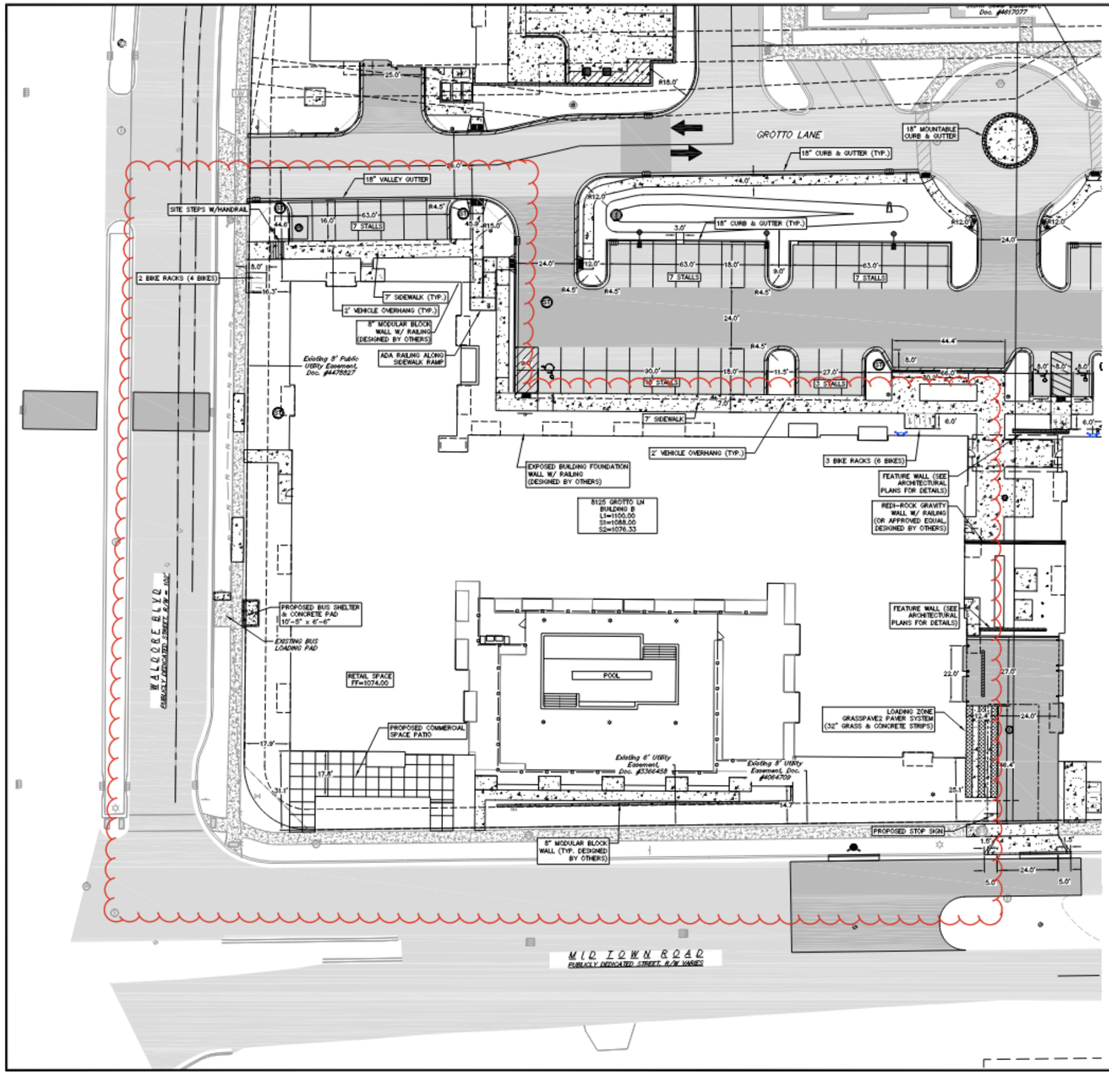

SITE PLAN LEGEND

- PROPERTY BOUNDARY
- CURB AND GUTTER (REVERSE CURB HATCHED)
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Site Plan - AFTER

vierbicher
planners | engineers | advisors
Phone: (800) 261-0898

Site Plan - Building B
Midtown Center, Lot 1, Lots 4-7 & Outlot 1
Madison
Dane County, Wisconsin

REVISIONS		
NO.	DATE	REMARKS

REVISIONS		
NO.	DATE	REMARKS

SCALE: AS SHOWN
DATE: 09/03/2024
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PROJECT NO.: 190171

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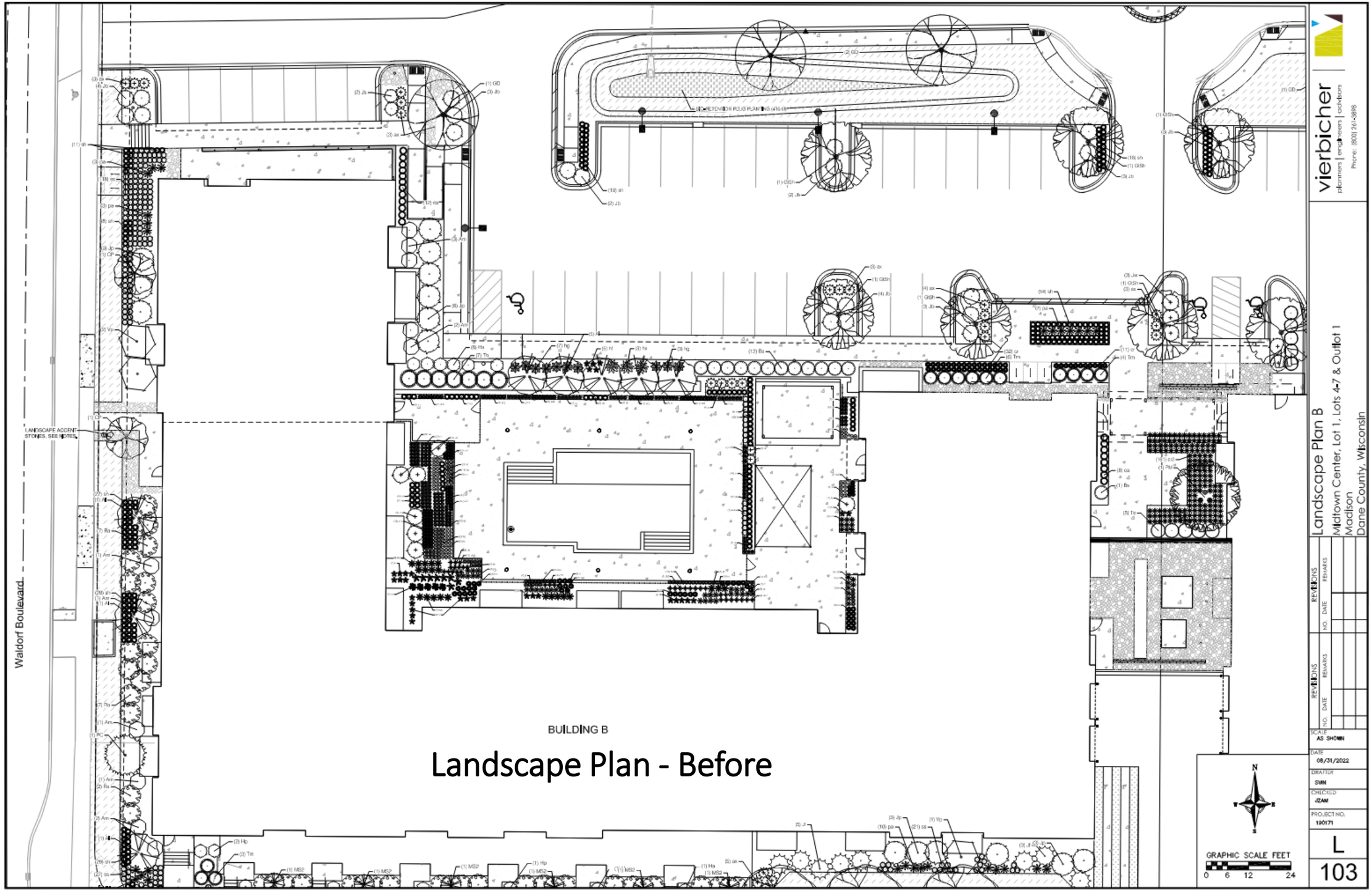
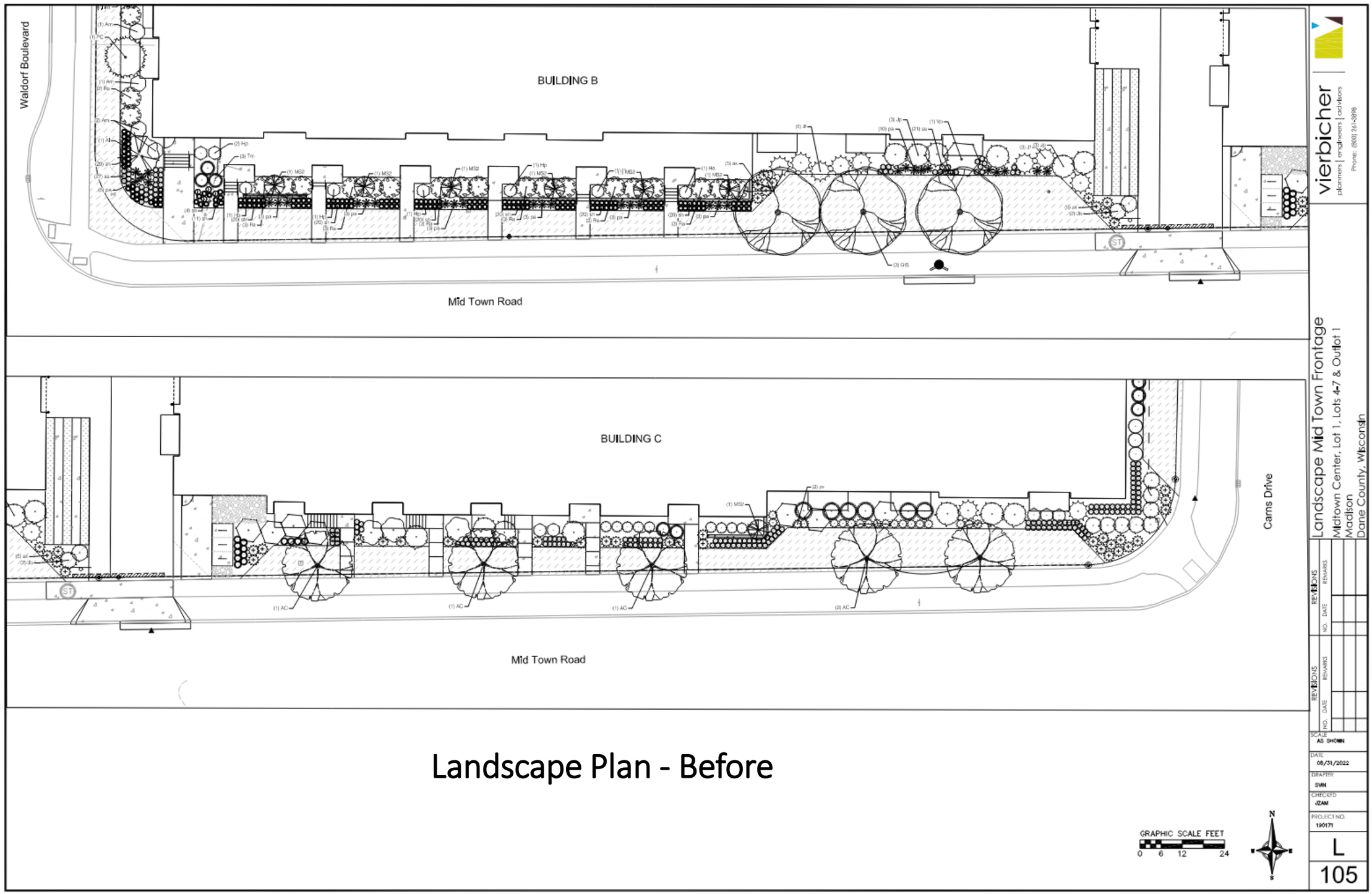
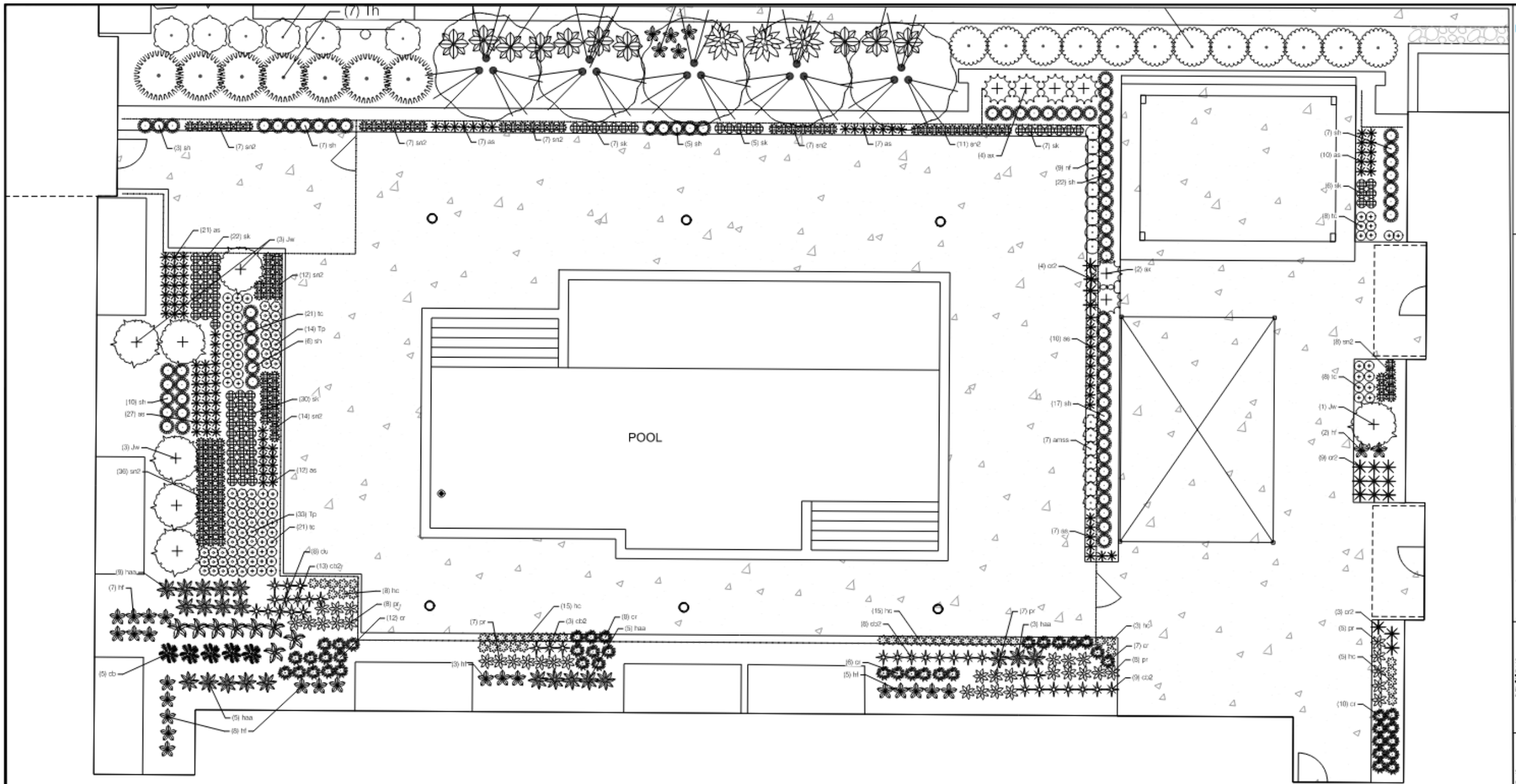


BUILDING B

Landscape Plan - Before



Landscape Plan - Before



Landscape Plan - Before

PLANT SCHEDULE BLDG B ROOF DECK

EVERGREEN SHRUBS	BOTANICAL / COMMON NAME
Jw	Juniperus horizontalis 'Wiltonii' / Blue Rug Juniper

PERENNIALS	BOTANICAL / COMMON NAME
amss	Achillea millefolium 'Strawberry Seduction' / Strawberry Seduction Yarrow
as	Allium x 'Summer Beauty' / Summer Beauty Ornamental Onion
ax	Amsonia x 'Blue Ice' / Blue Ice Bluestar
cb2	Carex bicknellii / Prairie Sedge
cr2	Carex radiata / Eastern Star Sedge
cr	Carex rosea / Rosy Sedge
cb	Cimicifuga racemosa 'Brunette' / Snakeroot
du	Dryopteris wallichiana 'Undulata Robusta' / Robust Undulated Male Fern
hc	Heuchera x 'Citronelle' / Citronelle Yellow Coral Bells
haa	Hosta x 'Awakening Angel' / Awakening Angel Hosta
hf	Hosta x 'Fire Island' / Fire Island Hosta
nf	Nepeta x faassenii 'Walkers Low' / Walkers Low Catmint
pr	Primula x 'Raspberry Splash' / Raspberry Splash Lungwort
sk	Sedum kamtschaticum / Orange Stonecrop
sn2	Sedum sieboldii 'Nana' / Dwarf Sieboldi Stonecrop
sh	Sporobolus heterolepis / Prairie Dropseed
tc	Thymus praecox 'Coccineus' / Red Creeping Thyme
Tp	Thymus pseudolanuginosus / Woolly Thyme

GRAPHIC SCALE FEET
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vierbicher
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Phone: (800) 261-3898

Landscape B Courtyard
Midtown Center, Lot 1, Lots 4-7 & Outlot 1
Madison
Dane County, Wisconsin

REVISIONS
NO. DATE REMARKS

REVISIONS
NO. DATE REMARKS

SCALE: AS SHOWN
DATE: 08/31/2022
DRAFTER: SVM
CHECKED: JZAM
PROJECT NO.: 190171

L
104

Landscape Plan - After

BUILDING B

POOL

Waldorf Boulevard

LANDSCAPE ACCENT STONES, SEE NOTES

GRAPHIC SCALE FEET
0 6 12 24

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Landscape Plan B
Midtown Center, Lot 1, Lots 4-7 & Outlot 1
Madison
Dane County, Wisconsin

REVISIONS
NO. DATE REMARKS

REVISIONS
NO. DATE REMARKS

SCALE
AS SHOWN

DATE
09/03/2024

DRAFTER
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CHECKED
JZAM

PROJECT NO.
190171

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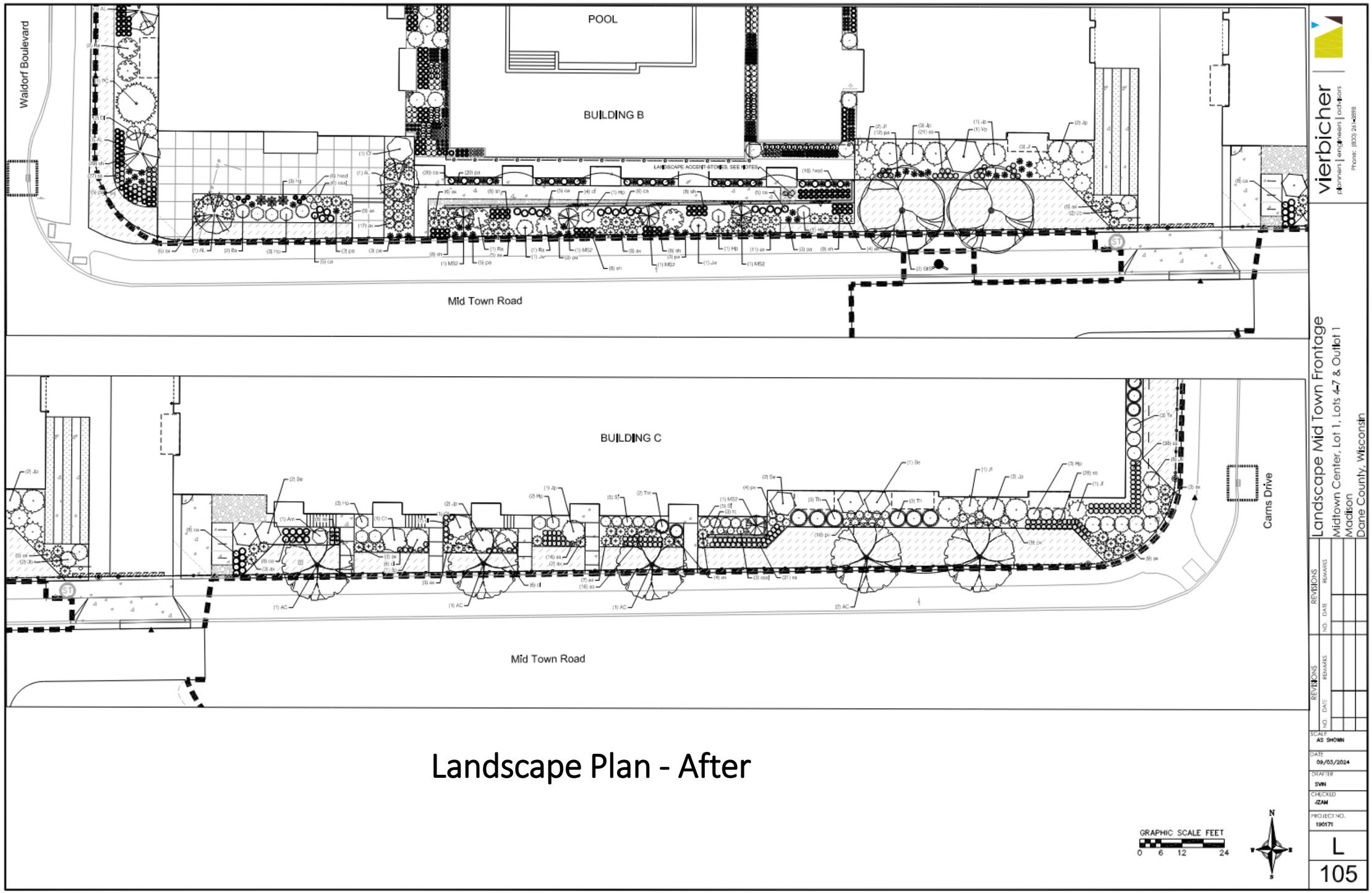

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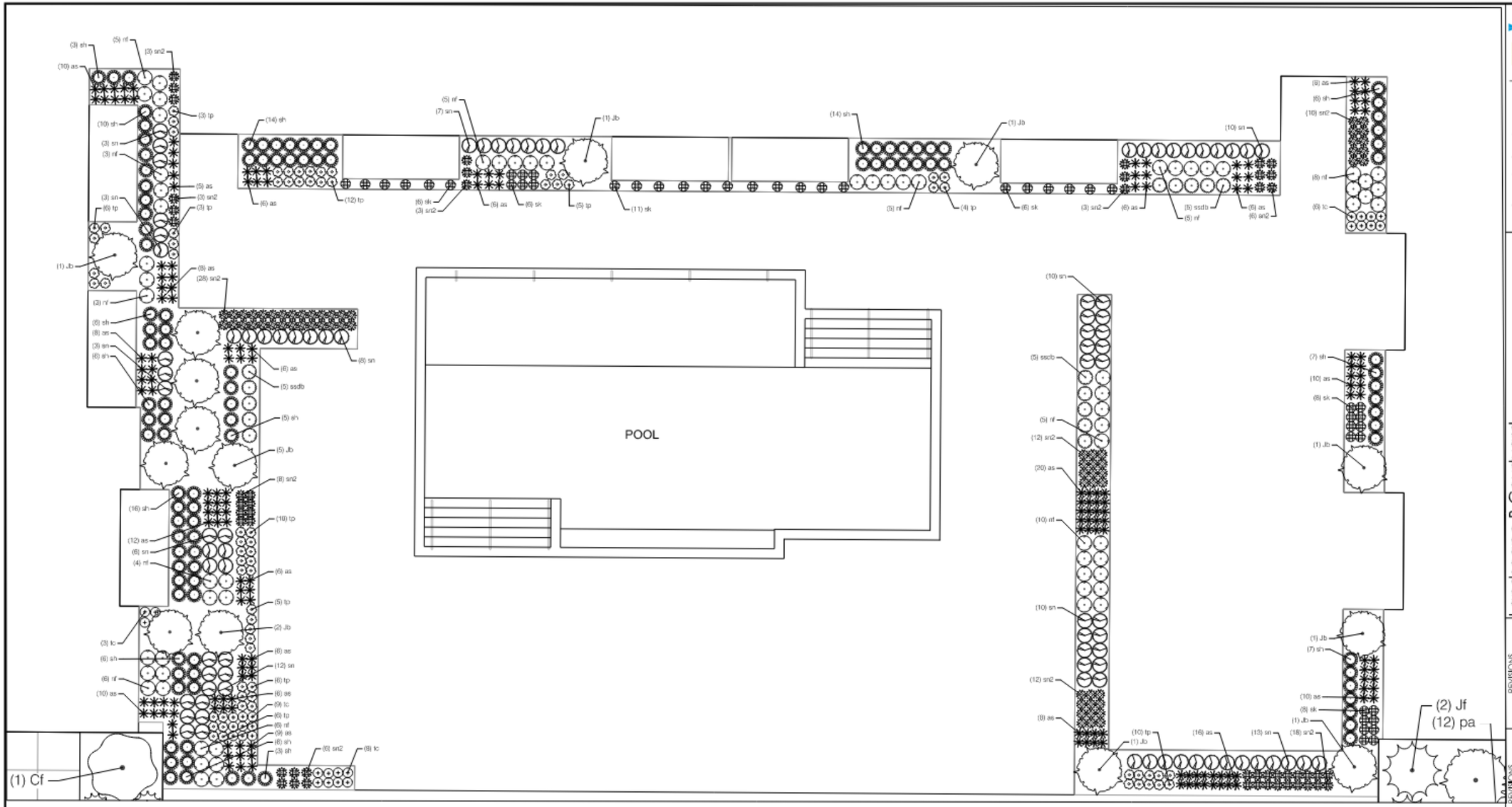

Landscape Plan - After

PLANT SCHEDULE BLDG B ROOF DECK

EVERGREEN SHRUBS	BOTANICAL / COMMON NAME
Jw	Juniperus horizontalis 'Wiltonii' / Blue Rug Juniper

PERENNIALS	BOTANICAL / COMMON NAME
amss	Achillea millefolium 'Strawberry Seduction' / Strawberry Seduction Yarrow
as	Allium x 'Summer Beauty' / Summer Beauty Ornamental Onion
ax	Amsonia x 'Blue Ice' / Blue Ice Bluestar
cb2	Carex blicknellii / Prairie Sedge
cr2	Carex radiata / Eastern Star Sedge
cr	Carex rosea / Rosy Sedge
cb	Cimicifuga racemosa 'Brunette' / Snakeroot
du	Dryopteris x filix-mas 'Undulata Robusta' / Robust Undulated Male Fern
hc	Heuchera x 'Citronelle' / Citronelle Yellow Coral Bells
haa	Hosta x 'Awakening Angel' / Awakening Angel Hosta
hf	Hosta x 'Fire Island' / Fire Island Hosta
nf	Nepeta x faassenii 'Walkers Low' / Walkers Low Catmint
pr	Pulmonaria x 'Raspberry Splash' / Raspberry Splash Lungwort
sk	Sedum kamtschaticum / Orange Stonecrop
sn2	Sedum x rupestre 'Nana' / Dwarf Skiboki Stonecrop
sh	Sporobolus heterolepis / Prairie Dropseed
tc	Thymus praecox 'Coccineus' / Red Creeping Thyme
Tp	Thymus pseudolanuginosus / Woolly Thyme

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Landscape B Courtyard
Midtown Center, Lot 1, Lots 4-7 & Outlot 1
Madison
Dane County, Wisconsin

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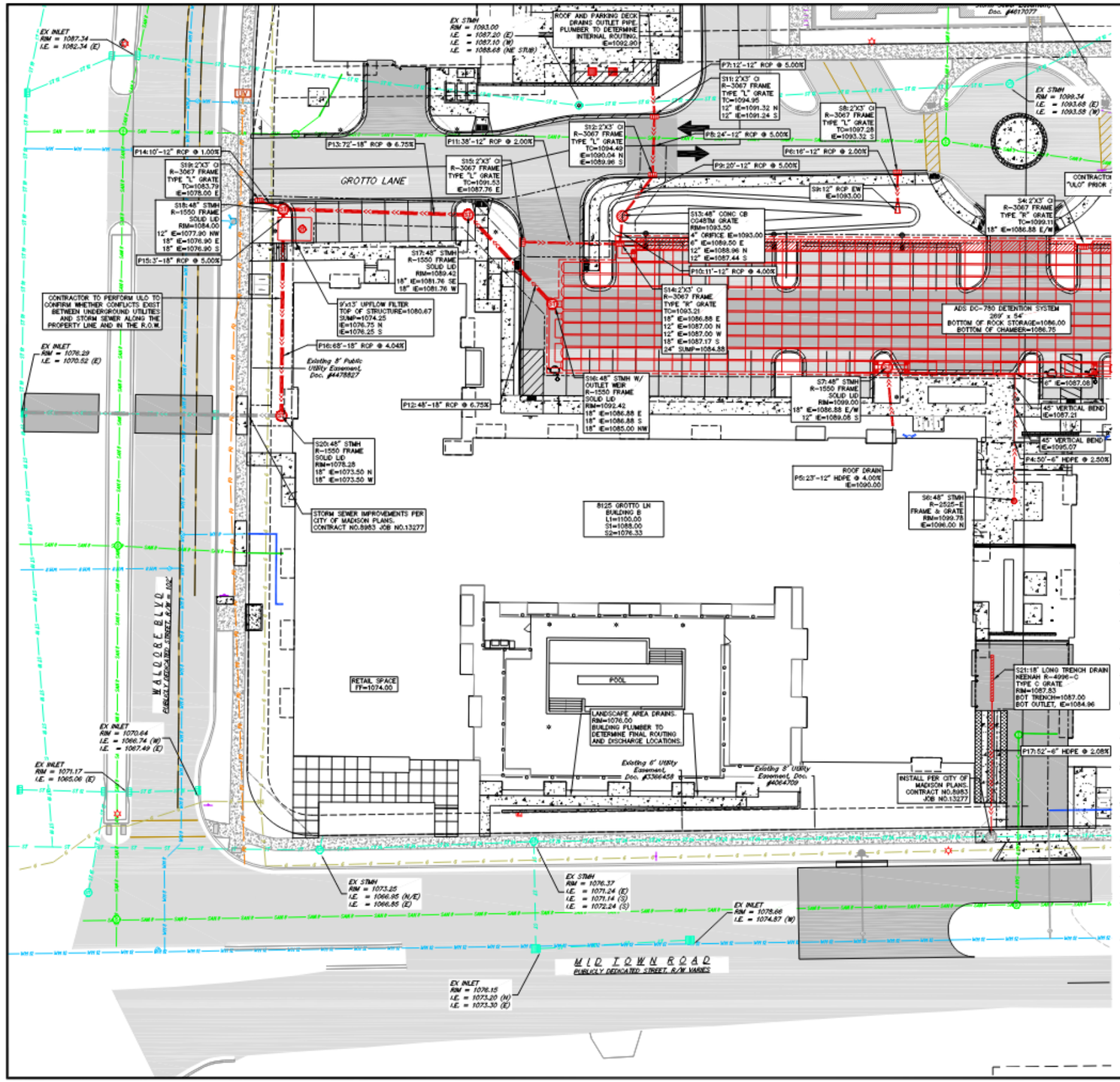

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0 10 20 40

PROPOSED UTILITY LEGEND

- STORM SEWER PIPE
- STORM SEWER MANHOLE
- STORM SEWER ENDWALL
- STORM SEWER CURB INLET
- STORM SEWER CURB INLET W/MANHOLE
- STORM SEWER FIELD INLET
- ROOF DRAIN CLEANOUT
- SANITARY SEWER PIPE (GRAVITY)
- SANITARY SEWER LATERAL PIPE
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- WATER MAIN
- WATER SERVICE LATERAL PIPE
- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION
- WATER VALVE
- CURB STOP
- PROPOSED PIPE INSULATION

ABBREVIATIONS

STMH – STORM MANHOLE
FI – FIELD INLET
CI – CURB INLET
CB – CATCH BASIN
EW – ENDWALL
SMH – SANITARY MANHOLE

UTILITY NOTES:

1. SANITARY & STORM SEWER LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. STORM SEWER END SECTIONS ARE INCLUDED IN THE LENGTH AND SLOPE OF THE PIPE.
2. CONTRACTOR SHALL INVESTIGATE ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY STRUCTURES (MANHOLE RIMS, WATER VALVES, AND CURB STOPS), IF NECESSARY.
4. CONTRACTOR SHALL OBTAIN ANY NECESSARY WORK IN RIGHT-OF WAY, EXCAVATION, UTILITY CONNECTION, PLUGGING, ABANDONMENT, AND DRIVEWAY CONNECTION PERMITS PRIOR TO CONSTRUCTION.
5. STORM BUILDING SEWER PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-6 OF SPS 384.30(3)(c).
6. A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED PER SPS 382.10(11)(h) AND SPS 382.40(8)(k).
7. NO PERSON MAY ENGAGE IN PLUMBING WORK IN THE STATE UNLESS LICENSED TO DO SO BY THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES PER S.145.06.
8. CONTRACTOR SHALL FIELD VERIFY THE SIZE, TYPE, LOCATION, AND ELEVATION OF EXISTING UTILITIES PRIOR TO INSTALLING ANY ON-SITE UTILITIES OR STRUCTURES. CONTACT ENGINEER PRIOR TO INSTALLATION IF DISCREPANCY EXISTS WITHIN THESE PLANS.
9. PROPOSED UTILITY SERVICE LINES SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATIONS WITH THE PLUMBING DRAWINGS. COORDINATE THE LOCATIONS WITH THE PLUMBING CONTRACTOR AND/OR OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO INSTALLATION OF ANY NEW UTILITIES.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION OF ANY UTILITIES ENCOUNTERED AND REPLACEMENT OF ANY UTILITIES DAMAGED WITHIN INFLUENCE ZONE OF NEW CONSTRUCTION. CONTACT ENGINEER IF THE EXISTING UTILITIES VARY APPRECIABLY FROM THE PLANS.
11. CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS AT THE COMPLETION OF CONSTRUCTION.
12. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS.
13. ALL PUBLIC IMPROVEMENTS OR RESTORATION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE COMPLETED PER THE PLANS APPROVED AND ISSUED BY THE CITY ENGINEERING (CONTRACT 8983, CITY PROJECT 13277)

Utility Plan

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Utility Plan - Storm Sewer West
Midtown Center, Lot 1, Lots 4-7 & Outlot 1
Madison
Dane County, Wisconsin

REVISIONS
NO. | DATE | REMARKS

SCALE: AS SHOWN
DATE: 09/03/2024
DRAFTER: NJOH
CHECKED: JZAM
PROJECT NO.: 190171

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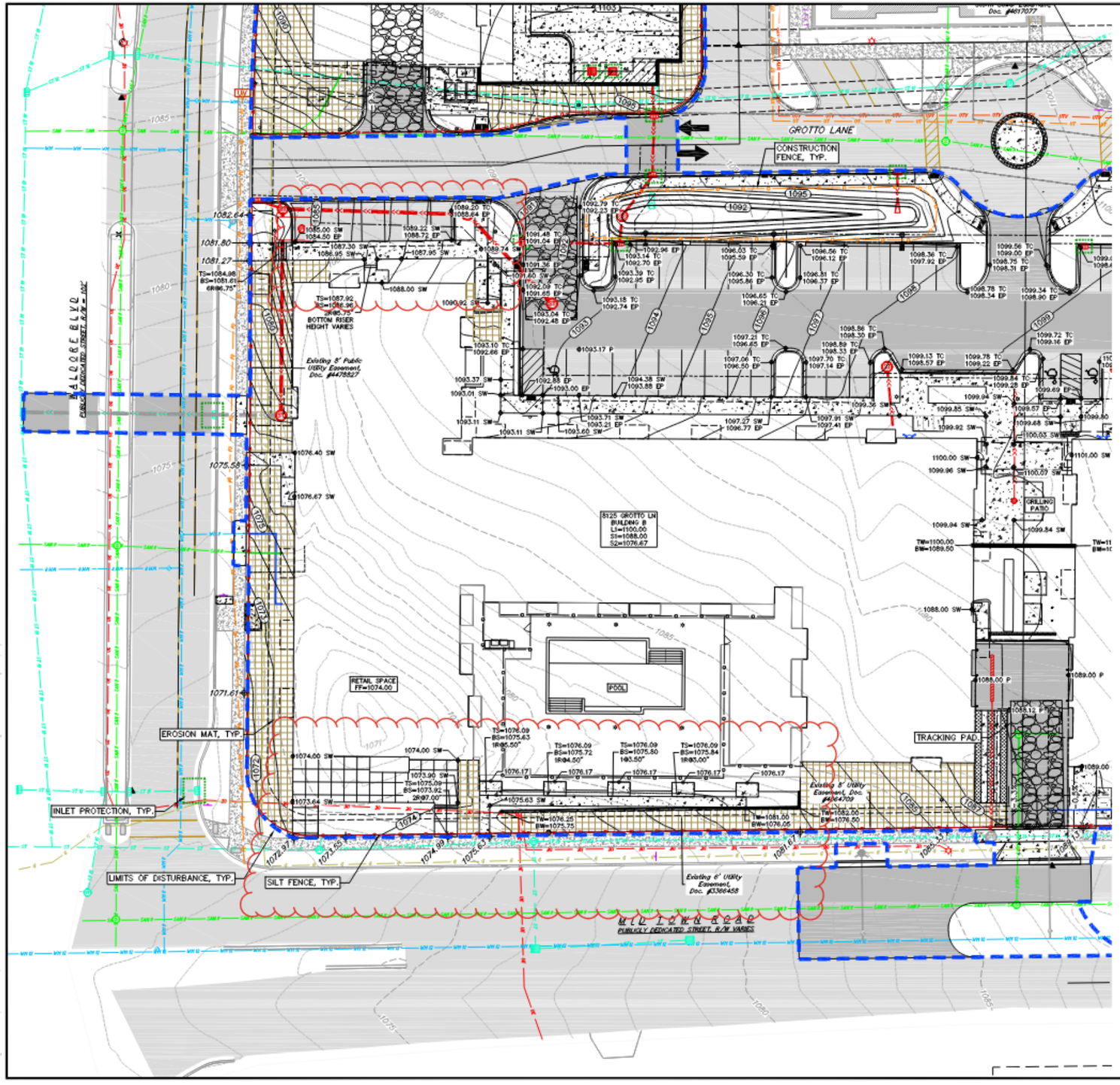

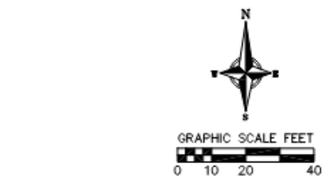

GRADING LEGEND

- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS
- PROPOSED MAJOR CONTOURS
- PROPOSED MINOR CONTOURS
- DITCH CENTERLINE
- SILT FENCE
- DISTURBED LIMITS
- BERM
- DRAINAGE DIRECTION
- PROPOSED SLOPE ARROWS
- EXISTING SPOT ELEVATIONS
- PROPOSED SPOT ELEVATIONS
- VELOCITY CHECK
- INLET PROTECTION
- EROSION MAT CLASS II, TYPE C
- TRACKING PAD

GRADING PLAN/SITE CONSTRUCTION NOTES:

1. CONCRETE SIDEWALK TO BE 5" THICK, CONSTRUCTED ON A BASE OF 4" COMPACTED SAND OR CRUSHED STONE.
2. ASPHALT PAVEMENT FOR DRIVEWAYS AND PARKING LOTS SHALL BE AS INDICATED IN DETAIL.
3. CURB FACE HEIGHT IN PARKING AREAS SHALL BE 6 INCHES. TAPER CURB FROM 6" TO 0" AT ALL GARAGE ENTRANCES.
4. CONTRACTOR TO OBTAIN ANY NECESSARY UTILITY CONNECTION, DEMOLITION, DRIVEWAY CONNECTION, RIGHT-OF-WAY AND EXCAVATION PERMITS PRIOR TO CONSTRUCTION.
5. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS.
6. ALL PUBLIC IMPROVEMENTS OR RESTORATION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE COMPLETED PER THE PLANS APPROVED AND ISSUED BY THE CITY ENGINEERING (CONTRACT 8983, CITY PROJECT 13277)
7. ANY SIDEWALK AND CURB & GUTTER ABUTTING THE PROPERTY SHALL BE REPLACED IF IT IS DAMAGED DURING CONSTRUCTION OR IF THE CITY ENGINEERING DEPARTMENT DETERMINES THAT IT IS NOT AT A DESIRABLE GRADE, REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
8. ADA REQUIREMENTS SPECIFY PARKING STALLS SLOPE MUST BE LESS THAN 2% IN ANY DIRECTION. ADA WALKWAYS MUST NOT EXCEED 5% SLOPE IN LONGITUDINAL DIRECTION WITHOUT A RAILING AND 8.3% WITH A RAILING. THE CROSS SECTION SLOPE OF AN ADA WALKWAY MUST NOT EXCEED 1.5% SLOPE.
9. TYPICAL SIDEWALK CROSS SECTION IS 1.5% SLOPE. THIS APPLIES TO ALL WALKWAYS IN THIS PLAN UNLESS OTHERWISE NOTED.
10. THE GEOTECHNICAL REPORT PREPARED BY CGC INC. DATED JULY 1, 2020 INDICATED THE PROBABLE PRESENCE OF BEDROCK. THE CONTRACTOR SHALL REFER TO THE SITE PREPARATION SECTION & APPENDIX E FOR MORE INFORMATION REGARDING ROCK EXCAVATION.
11. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS AND APPROVALS FOR ANY BLASTING DEEMED NECESSARY FOR BEDROCK REMOVAL PRIOR TO BLASTING.

Grading Plan

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Grading Plan - Building B
Midtown Center, Lot 1, Lots 4-7 & Outlot 1
Madison
Dane County, Wisconsin

REVISIONS NO.	DATE	REMARKS

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402


Metal Stair System

Mortar Color

Fiberglass Window

Canopy/Storefront/
Balcony/Coping

Cast Stone Sill

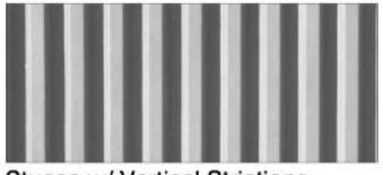


Fiber Cement Flat Panel Siding


Utility Brick

Stucco Accent


Stucco


Stucco w/ Vertical Striations

0 5' 10' 20'

HKM Midtown Center
Architecture Planning Landscape Architecture

Materials Used - Approved / No Change
September 4, 2024

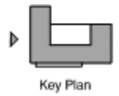


Proposed - Building B - West Elevation

Key Plan



Approved - Building B - West Elevation



Key Plan

0 10' 20' 40'

HKM Midtown Center

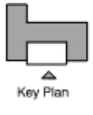
Architecture Planning Landscape Architecture

Exterior Elevation Comparison

Septebmer 4, 2024



Proposed - Building B - South Elevation

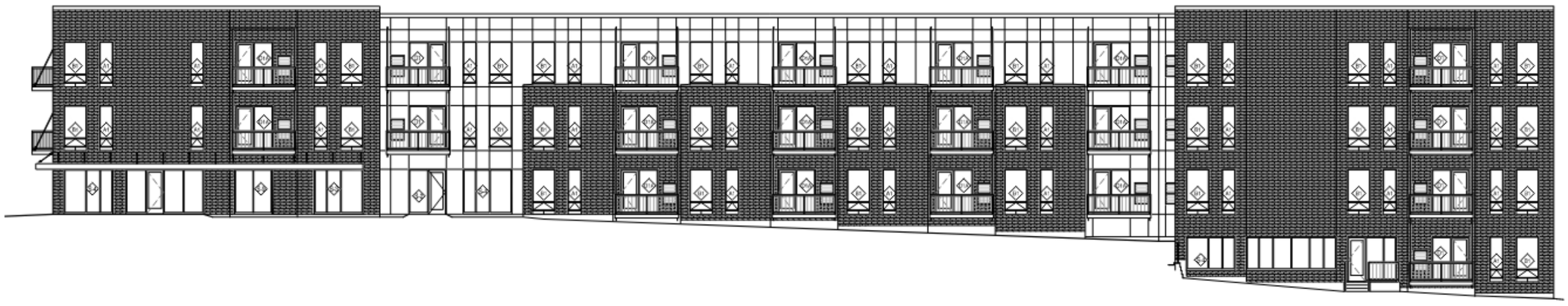




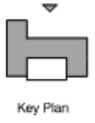
Approved - Building B - South Elevation



0 10' 20' 40'



Proposed - Building B - North Elevation



Key Plan

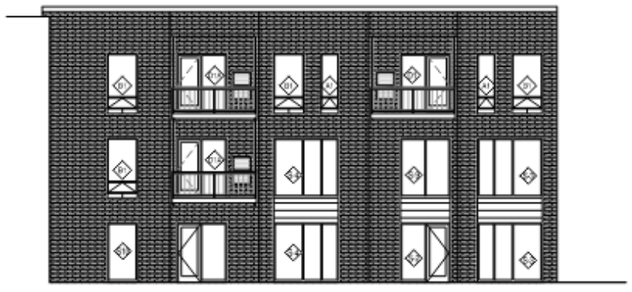


Approved - Building B - North Elevation



Key Plan

0 10' 20' 40'



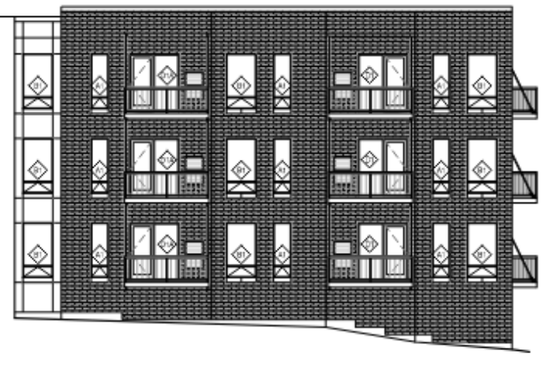
Proposed Building B - Courtyard West



Key Plan



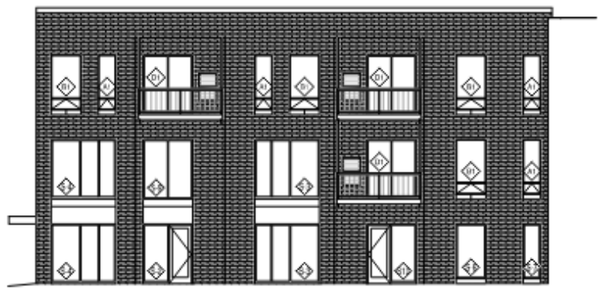
Pool Courtyard



Proposed Building B - Courtyard East



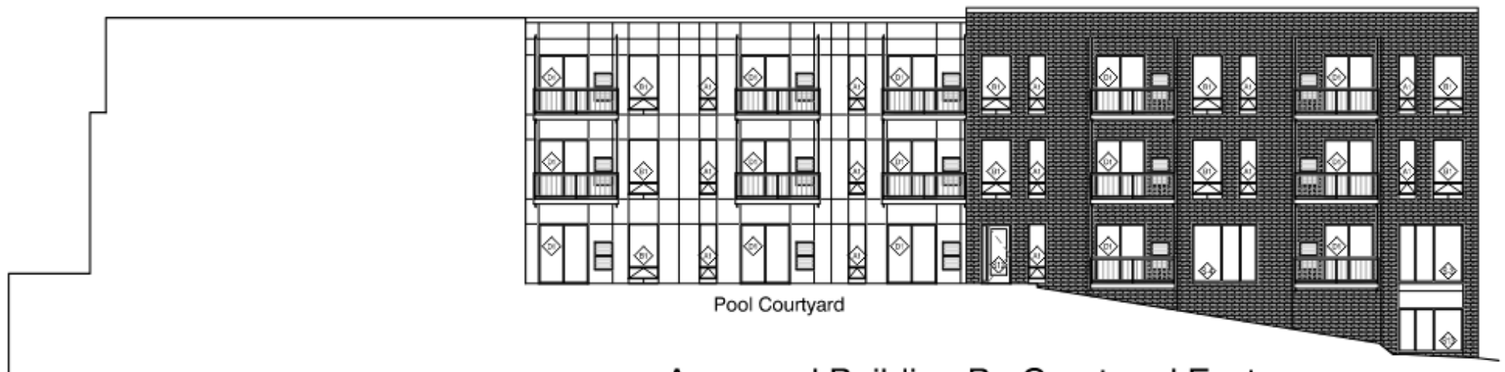
Key Plan



Approved Building B - Courtyard West

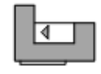


Key Plan



Pool Courtyard

Approved Building B - Courtyard East



Key Plan

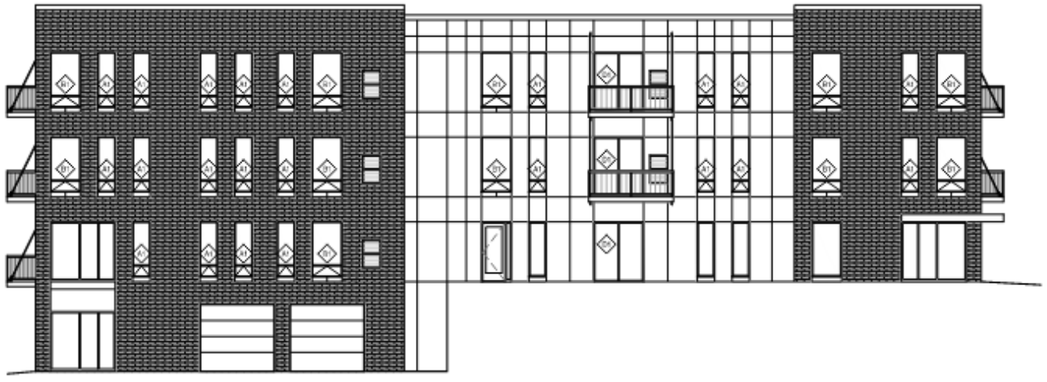
0 10' 20' 40'



Proposed - Building B - East Elevation



Key Plan



Approved - Building B - East Elevation



Key Plan

0 10' 20' 40'



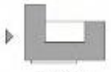
Proposed - Building B - West Elevation



Key Plan



Approved - Building B - West Elevation



Key Plan

0 10' 20' 40'



Proposed - Building B - South Elevation





Approved - Building B - South Elevation



0 10' 20' 40'

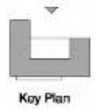


Proposed - Building B - North Elevation





Approved - Building B - North Elevation



0 10' 20' 40'



Proposed Building B - Courtyard West



Key Plan



Pool Courtyard



Proposed Building B - Courtyard East



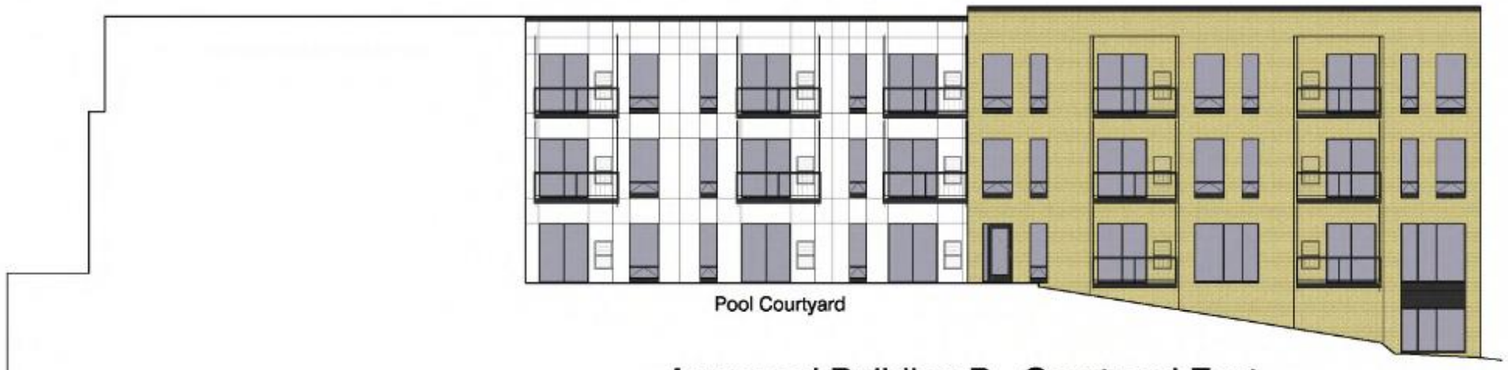
Key Plan



Approved Building B - Courtyard West



Key Plan



Pool Courtyard

Approved Building B - Courtyard East



Key Plan

0 10' 20' 40'



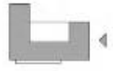
Proposed - Building B - East Elevation



Key Plan



Approved - Building B - East Elevation



Key Plan

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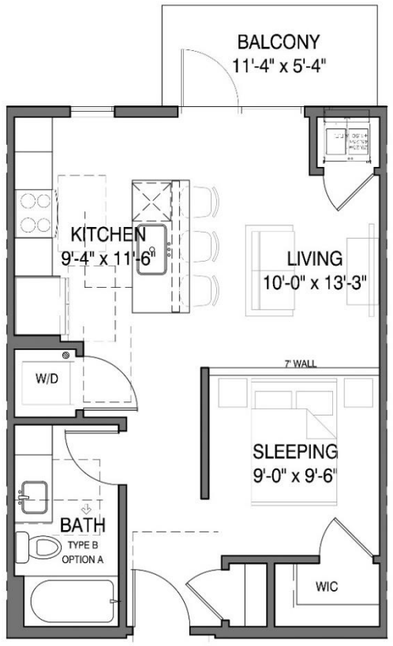
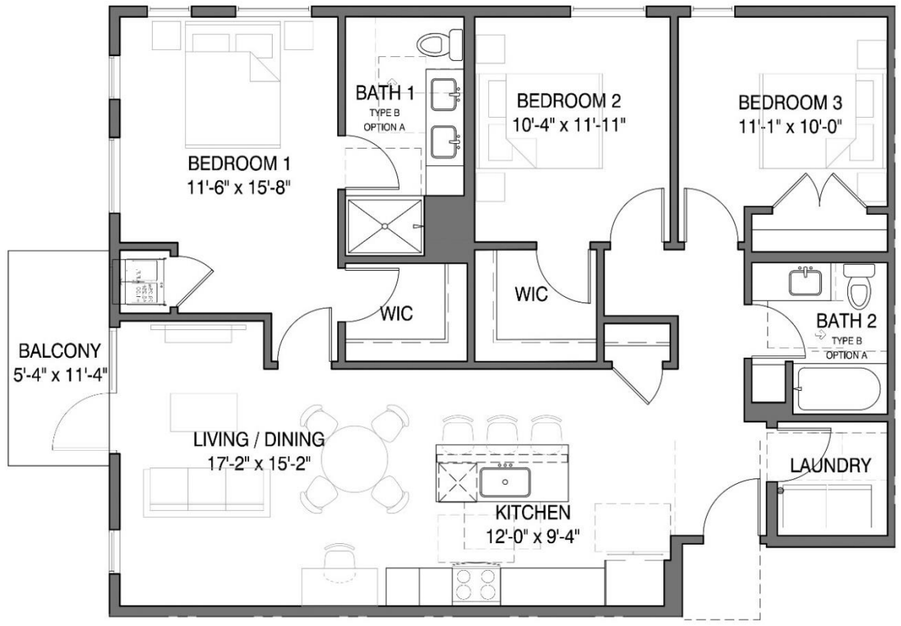
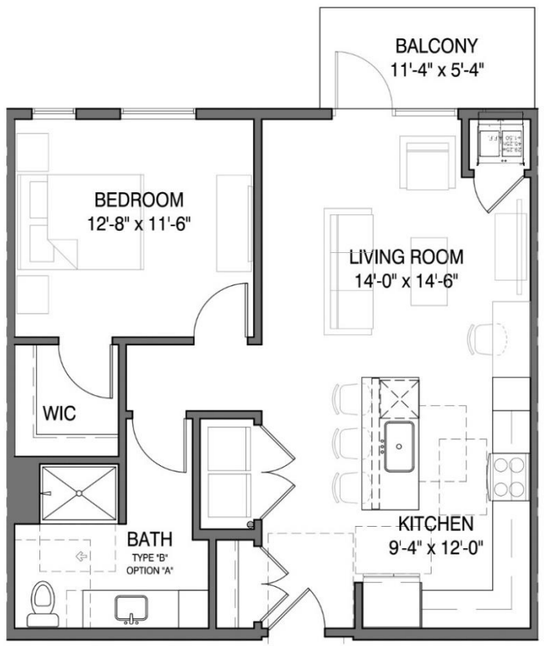


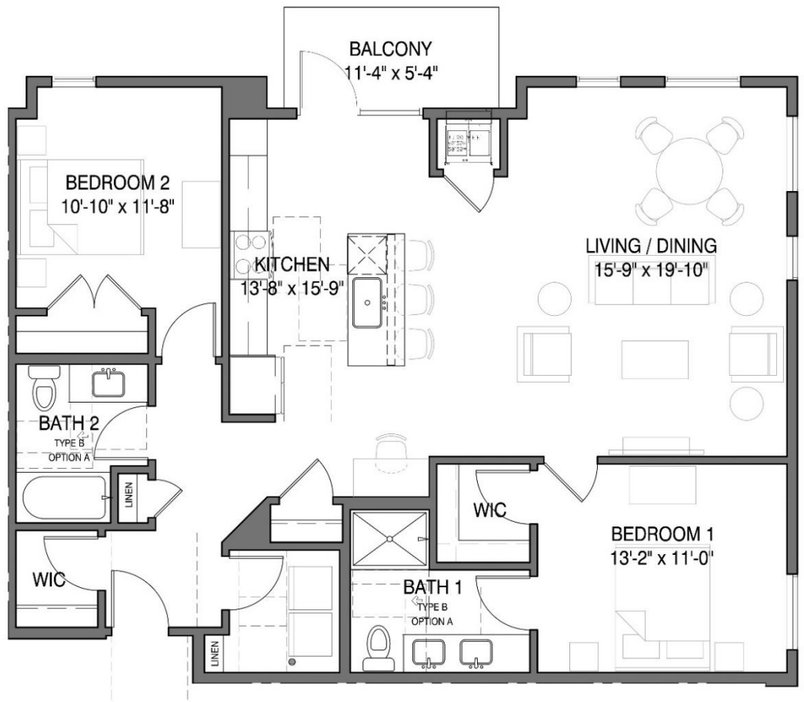
Studio | 1 Bath



3 Bed | 2 Bath



1 Bed | 1 Bath



2 Bed | 2 Bath









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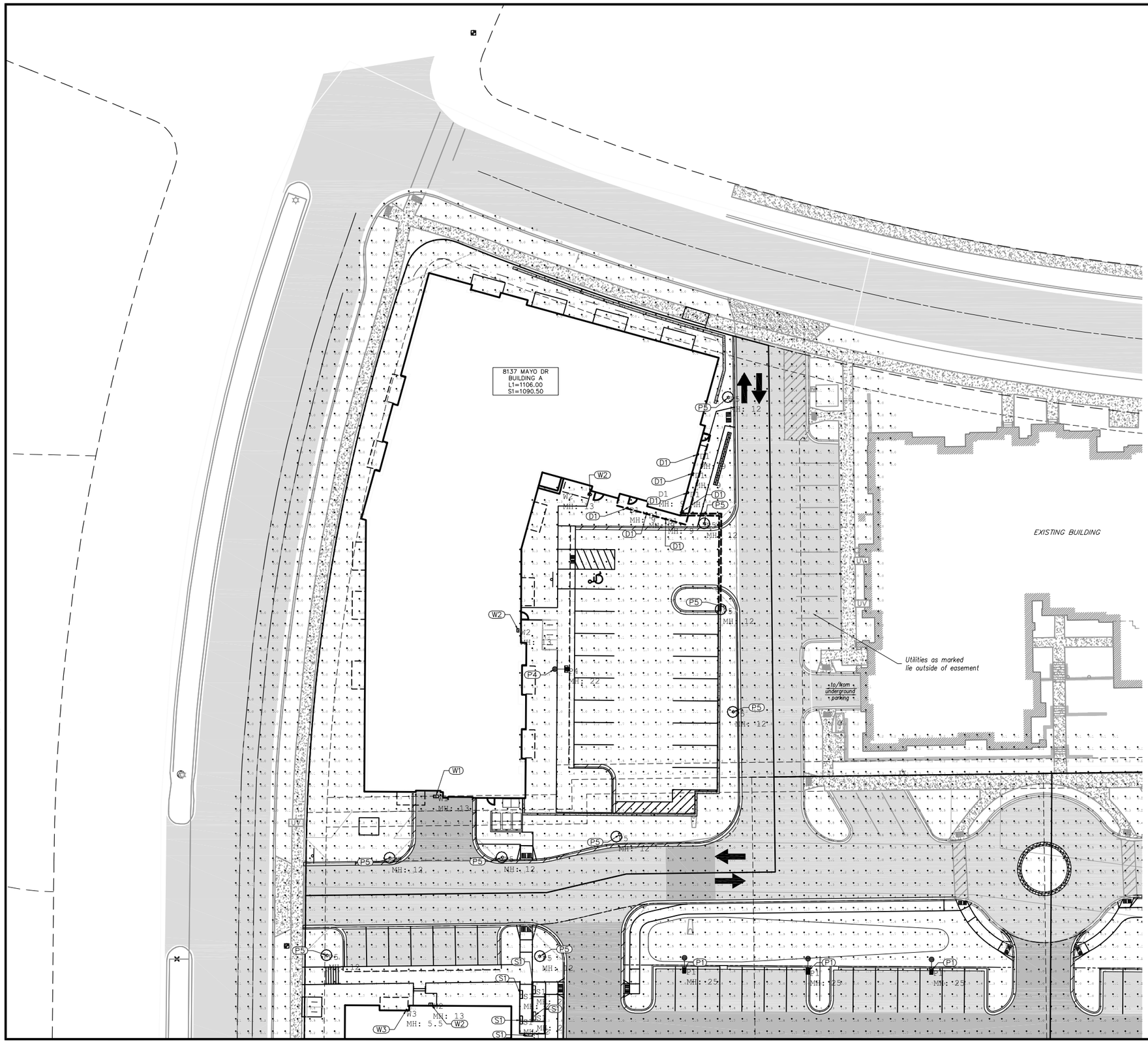

Luminaire Schedule							
Symbol	Qty	Label	Description	Lum. Watts	Lum. Lumens	LLF
	P5	W1	WDM1/P2C=90F=75F=30	138	745	0.900
	P5	W1	WT4 LED-P3-30K-T3S 3000K	WT4 LED-P3/30K/T3S 3000K	116.42	8311	0.900
	P5	W2	(2) RSX1 LED P3 30K R5	(2) RSX1 LED P3 30K R5	109.44	17100	0.900
	P5	W3	RSX1 LED P3 30K R5	RSX1 LED P3 30K R5	109.44	13100	0.900
	P5	P4	RSX1 LED P3 30K R4	RSX1 LED P3 30K R4	109.44	12930	0.900
	P5	P5	RSX1-F14C-P3C=30K-SQ12	RSX1-F14C-P3C=30K-SQ12	137.3	16170	0.900
	S1	S1	EVOLED240-30W-3K-CRI85-S1-FINISH	EVOFLS48V	33.631	4444	0.900
	P1	P1	WDGE1 LED P1 30K ROCKY VF	WDGE1 LED P1 30K ROCKY VF	34.78	4243	0.900
	P1	P2	WDGE1 LED P2 30K ROCKY VF	WDGE1 LED P2 30K ROCKY VF	135.078	18171	0.900
	P1	P3	RCL9404WB - Lamar	RCL9404WB	18.3	1132	0.900

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Building 1 Parking	Illuminance	fc	2.49	9.1	1.0	2.49	9.10
Building 2 & 3 Shared Parking	Illuminance	fc	1.77	4.6	0.4	4.43	11.50
Building 2 North Parking	Illuminance	fc	1.35	2.9	0.5	2.68	5.67
Building 3 Parking	Illuminance	fc	1.85	4.2	0.6	3.08	7.33
Pool Surface	Illuminance	fc	3.74	4.5	2.8	1.34	1.61

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Phone: (800) 261-3898

Lighting Plan - Building A

Midtown Center, Lot 1, Lots 4-7 & Outlot 1
Madison
Dane County, Wisconsin

REVISIONS

NO.	DATE	REMARKS

REVISIONS

NO.	DATE	REMARKS

SCALE
AS SHOWN

DATE
09/03/2024

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PROJECT NO.
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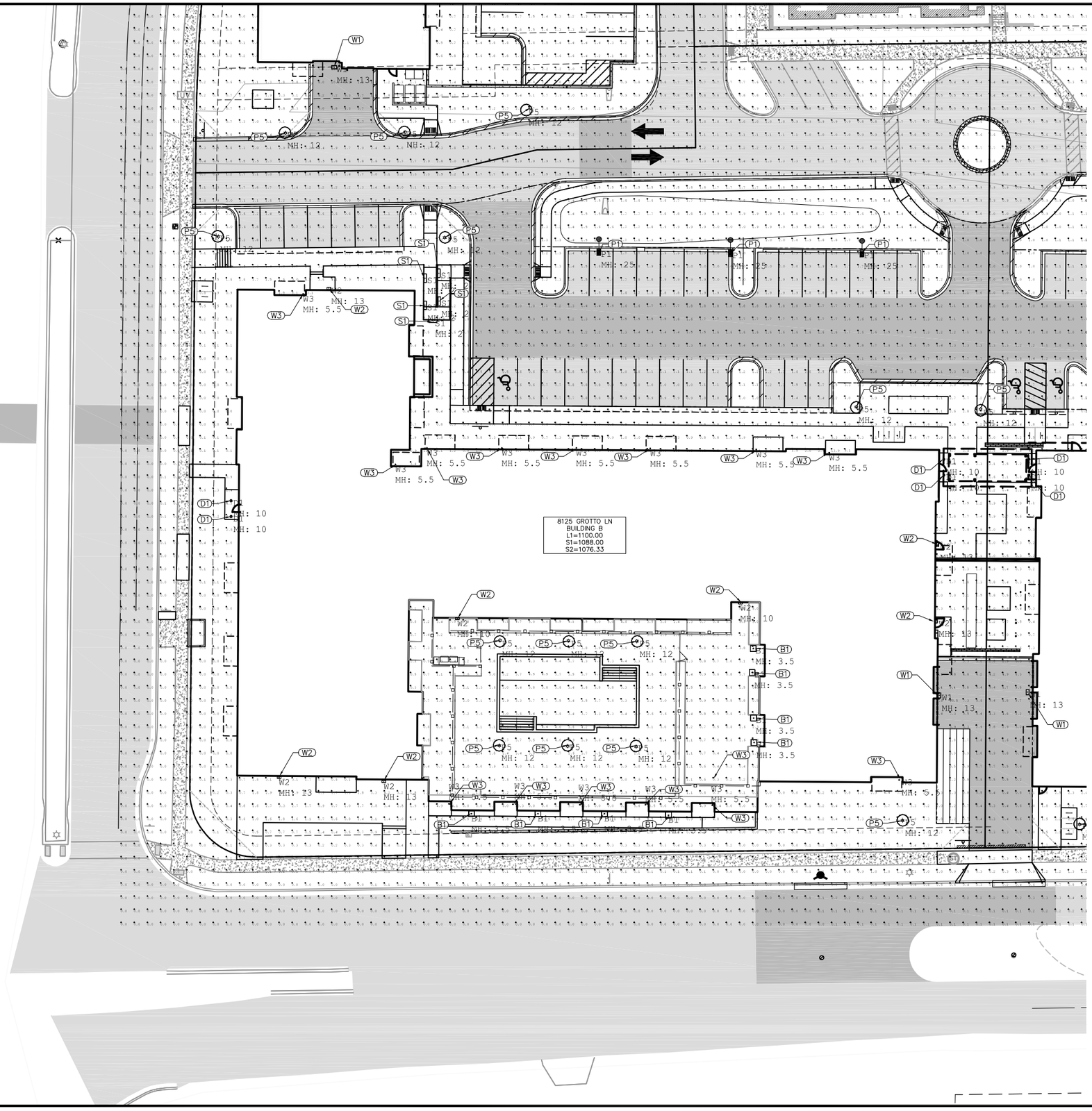

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Luminaire Schedule								
Symbol	Qty	Label	Description	Lum. Watts	Lum. Lumens	LLF
	5	B1	CREE ZDLC-WGY-ET-FDC-3K	CREE ZDLC-WGY-ET-FDC-3K	18	745	0.900
	13	B3	RFX LED-P3-30K-R5 3000	RFX LED-P3-30K-R5 3000K	10.12	631	0.900
	5	P1=2	(2) RSX1 LED P3 30K R5	(2) RSX1 LED P3 30K R5	109.44	13100	0.900
	5	P1	RSX1 LED P3 30K R5	RSX1 LED P3 30K R5	109.44	13100	0.900
	21	P4	RSX1 LED P3 30K R4	RSX1 LED P3 30K R4	109.44	12935	0.900
	10	P5	GLCI 7140-FDC-ET-4FT-30K (E21)	GLCI 7140-FDC-ET-4FT-30K	63.8	6432	0.900
	5	S1	Pendleton HWY 30 CRIBS S1 FINISH	STRPS1-HWY	3.631	444	0.900
	6	W1	WDGE2 LED P3 30K 80CRI VF	WDGE2 LED P3 30K 80CRI VF	14.98	1243	0.900
	11	W2	WDGE3 LED P2 30K 80CRI VF	WDGE3 LED P2 30K 80CRI VF	15.0.76	1853	0.900
	21	W3	RC1404+RK + Lenz	RC1404+RK	18.9	1132	0.900

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Building 1 Parking	Illuminance	FC	2.49	6.1	1.9	1.31	3.21
Building 2 & 3 Shared Parking	Illuminance	FC	1.32	3.4	0.4	3.30	8.50
Building 2 North Parking	Illuminance	FC	1.25	2.8	0.5	2.08	4.67
Building 3 Parking	Illuminance	FC	1.65	4.2	0.5	3.08	8.33
Pool Surface	Illuminance	FC	1.43	2.5	0.8	1.74	3.01

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planners | engineers | advisors
Phone: (800) 261-3898

Lighting Plan - Building B

Midtown Center, Lot 1, Lots 4-7 & Outlot 1
Madison
Dane County, Wisconsin

REVISIONS		
NO.	DATE	REMARKS

REVISIONS		
NO.	DATE	REMARKS

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DATE
09/03/2024

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PROJECT NO.
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0 10 20 40

Luminaire Schedule							
Symbol	Qty	Label	Description	Lum. Watts	Lum. Lumens	LLF
	15	W1	WPX1 LED P3 30K R5	109.44	13100	0.900
	15	W2	WPX1 LED P3 30K R4	109.44	12930	0.900
	15	W3	WPX1 LED P3 30K R3	109.44	13100	0.900
	15	P1	WPX1 LED P3 30K R4	109.44	12930	0.900
	15	P5	WPX1 LED P3 30K R5	109.44	13100	0.900
	5	D1	RSX1-SA1-20-C-SF1-SW-30K	63.8	6432	0.900
	6	W1	Sculptured HWY 30 Cobra S1 Finish	93.31	9444	0.900
	4	W2	RSX2 LED P3 30K ROOT VF	74.98	9243	0.900
	21	W3	RSX2 LED P2 30K ROOT VF	55.9.79	6853	0.900
	21	W3	RC1424-MX - Lunar	RC1424-MX	1132	0.900

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Building 1 Parking	Illuminance	FC	2.49	5.1	1.9	1.31	2.68
Building 2 & 3 Shared Parking	Illuminance	FC	1.32	3.4	0.4	3.30	8.50
Building 2 North Parking	Illuminance	FC	1.25	2.8	0.6	2.08	4.67
Building 3 Parking	Illuminance	FC	1.65	4.2	0.6	2.08	6.33
Pool Surface	Illuminance	FC	3.74	4.5	2.8	1.34	1.61

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Lighting Plan - Building C

Midtown Center, Lot 1, Lots 4-7 & Outlot 1
Madison
Dane County, Wisconsin

REVISIONS
NO. DATE REMARKS

REVISIONS
NO. DATE REMARKS

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09/03/2024

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PROJECT NO.
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Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700
Fax: (262) 953-2710

Date: Sep 6, 2024

Job Name
Midtown Center - Building A - Lot 1, Lots 4-7 & Outlot 1
ELL24-132112
Madison WI

Bid Date
Aug 20, 2024

Submittal Date
Sep 5, 2024

Transmittal

Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700
From: Bonnie Bartlein

Project **Midtown Center - Building A - Lot 1, Lots 4-7 & Outlot 1**
Quote# ELL24-132112
Location Madison WI
Contact:

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- ☒ Drawings
- ☐ Prints
- ☐ Plans
- ☐ Specifications
- ☐ Information
- ☐ Submittals
- Other:

THESE ARE TRANSMITTED FOR:

- ☐ Prior Approval
- ☒ Approval
- ☐ Approval as Submitted
- ☐ Approval as Noted
- ☐ Resubmittal for Approval
- ☐ Corrections
- ☐ Your Use
- ☐ Review and Comment
- ☐ Record
- Bids due on:
- Other:

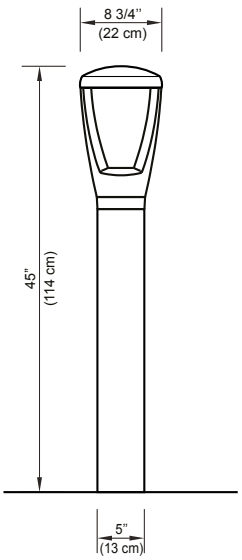
Type	MFG	Part
B1	Cyclone Lighting Inc.	CBM1701C FGF T5 P10 30K MVOLT 10KV STD SM
D1	Juno Lighting Group	WF4 SWW5 90CRI MW M6 / WF8643 PAN
P1	Lithonia Exterior	RSX1 LED P3 30K R5 MVOLT SPA STD FINISH
P1	Lithonia Exterior	SSS 25 4G DM28AS DDBXD **Item Note:** A durable ABS plastic two-piece full base cover, finished to match the pole is provided
P1-S	Lithonia Exterior	RSX1 LED P3 30K R5 MVOLT SPA STD FINISH
P1-S	Lithonia Exterior	SSS 25 4G DM19AS DDBXD **Item Note:** A durable ABS plastic two-piece full base cover, finished to match the pole is provided
P4	Lithonia Exterior	RSX1 LED P3 30K R4 MVOLT SPA STD FINISH
P4	Lithonia Exterior	SSS 25 4G DM19AS DDBXD **Item Note:** A durable ABS plastic two-piece full base cover, finished to match the pole is provided
P5	Cyclone Lighting Inc.	CLE17T4D FGC T5 P30 30K MVOLT 10KV STD SM
P5	Cyclone Lighting Inc.	PM40 12 INS STD SM BM11
S1	FC Lighting	FCSL2040-UNV-3K-CRI85-5L-STD FINISH
W1	Lithonia Exterior	WDGE2 LED P4 30K 80CRI VF MVOLT SRM STD FINISH
W2	Lithonia Exterior	WDGE1 LED P2 30K 80CRI VW MVOLT SRM STD FINISH

cyclone

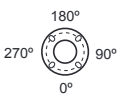
CBM1701C Clio Bollard
Approval – Specification

Project: **Order:**

Qty: **Luminaire:** **Type:**



Anchor Plate



Bolt Circle
3 1/2" (9cm)

Head: Two cast A356 aluminum arms are mechanically secured to a molded ring designed to support the optical module. The head module is closed by a mechanically secured cast A356 round aluminum hood.

Base: Tube 5" (13cm) Ø, made of 6061-T6 aluminum alloy. The head module is mechanically secured with 3 anti-vandal type Allen screws. The assembly is mechanically fastened to the anchor plate with 4 anti-vandal type Allen screws.

Bolt circle: Recommended installation at 3 1/2" (9cm) Ø. Available from 3 1/4" to 3 1/2" (8cm to 9cm) Ø.

Anchor bolts: Supplied by Cyclone: 3/8" (1cm) Ø x 12" (30.5cm) (9+3), 4 galvanized anchor bolts, 8 nuts and 8 washers for levelling.

Optical module: The molded A356 aluminum heat sink is designed to minimize the temperature of the LEDs, increasing their longevity and efficiency. The high efficiency Copernic LED optical engine is mechanically assembled on the heat sink. The lifetime of the LEDs is 100,000 hours. It is based on the LM-80 test and extrapolated with TM-21. This data is calculated when 50% of the LEDs produce 70% of their initial luminous flux (L70). The minimum color rendering index (CRI) is 70. The optical lenses are made of acrylic and designed to illuminate only where needed while achieving excellent uniformity with maximum spacing. The optical lenses are cured directly on the LED board. A tempered Frosted flat glass lense (FGF) flat is attached to a cast aluminum frame. The light distribution types available are T3 and T5

Driver: Class 2 (P10 to P40). Primary tension is of 120 to 480VAC Volts, 50/60Hz, THD max 20% with a high-power factor of 90%. Operating temperature is -40°F (-40°C) to 113°F (45°C). The regulator offers an output of 0-10 Volts and is ROHS compliant. Assembled with pull-out connectors. Complete with 10kV/5kA or 20 kV/10kA tripolar surge protection for live-MALT, live-neutral and neutral-MALT lines according to IEEE/ANSI C62.41 2002 C.

Wiring / Hardware: Type TEWT 14-7 AWG, 12» (30.5cm) minimum exceeding luminaire. All electrical connections between the modules are provided with quick-disconnect connectors for easy maintenance. All outside accessible hardware is made of 304 stainless steel.

Color: All Cyclone colors are available in textured (TX) or smooth (SM) finish. A durable polyester powder coating is applied and meets the AAMA 2604 requirements (5 years exposure to all weather conditions). The finish meets the ASTM G7, B117, D1654 and D2247 requirements relative to salt spray and humidity resistance. **Cyclone recommends a textured finish for this product**.

Warranty: 5-year limited warranty. Complete warranty terms located at:
http://www.cyclonelighting.com/assets/Legal/Cyclone-Sales-TermsConditions-en.pdf

Stamp/Approval: **Name:** **Date:**	**Name:** **Date:**

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 www.cyclonelighting.com
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2024 Acuity Brands Lighting, Inc. All Rights Reserved.

cyclone

CBM1701C Clio Bollard
Approval – Specification

Project: **Order:**

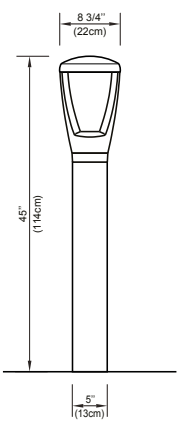
Qty: **Luminaire:** **Type:**

Ordering Code

Model	Lens	Distribution	Performance package	CCT	Volts	Surge protector
CBM1701C Clio bollard	**FGF** Flat Glass Frosted	**T3** Type 3 **T5** Type 5	**P10** (900lm) **P20** (1600lm) **P30** (1900lm) **P40** (2200lm)	**30K** 3000K **40K** 4000K	**MVOLT** 120-277VAC **HVOLT** 347-480VAC **120** **208** **240** **277** **347** **480**	**10KV** 10kV/5kA **20KV** 20kV/10kA

Photocell	Dimming	Duplex Receptacle	Color	Texture	Pre-finish
			STD = Specify		
–	–	–	**BK** Black RAL9005	**TX** Textured	–
PC Button type photocell	**SD** Field adjustable 10% increment step-dimming switch	**GFIC1** Duplex receptacle, ground fault current Interrupter, 125 VAC (15A), complete with a lockable "in-use" weather proof cover **GFIC2** Duplex receptacle, ground fault current Interrupter, 125 VAC (20A), complete with a lockable "in-use" weather proof cover	**DG** Dark green RAL6012 **MA** Marine blue RAL5013 **SI** Metallic silver RAL9006 (Smooth only) **BZ** Dark bronze RAL8019 **BG** Burgundy RAL3005 **GM** Moss green RAL6005 **PG** Pale grey RAL7040 **WH** White RAL9003 **BKH*** Black Holophane **BZH*** Dark bronze Holophane **GNH*** Green Holophane **GHH*** Graphite Holophane **GRH*** Gray Holophane **SLH*** Silver Holophane **WHH*** White Holophane * Holophane colors are only available in Smooth (SM) finish.	**SM** Smooth	**MG** Marine grade pre-finish

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. Please consult our web site for up-to-date product information and IES files.



CBM1701C-Clio

Stamp/Approval:

Name: **Date:**

Name:

Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 www.cyclonelighting.com
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2024 Acuity Brands Lighting, Inc. All Rights Reserved.

JUNO

Juno Wafer™ LED Downlight Series

4", 6" & 8" LED Ultra-Thin Wafer Switchable Downlight
5CCT Switchable White Downlight

WF4/WF6/WF8 SWW5 Series

Project:
Fixture Type:
Location:
Contact/Phone:




Brushed Nickel


Oil Rubbed Bronze


Matte Black

Product Features

The 4",6"& 8" round smooth with 5CCT Switchable White technology provide high-quality light output and efficiency featuring a switch for easy color temperature adjustment to choose between 2700K, 3000K, 3500K, 4000K, or 5000K - while eliminating the need for recessed housings.

- Round smooth lens trim designed to distribute precise even illumination for general purpose areas
- Canless - no can required; equals easy to install and less labor
- 5 selectable color temperatures to choose with a switch ranging from warm (2700K) to daylight (5000K) allowing customization for endless applications

Applications

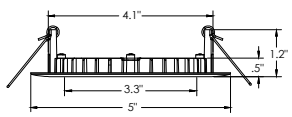
- Residential and light commercial applications including multi-family, hospitality, assisted living, dormitories and other multi-level construction
- Shallow slim profile allows for easy remodel or new construction insulated and drop ceiling installations
- Wet rated and airtight: perfect for showers, bathrooms, and outdoor soffits

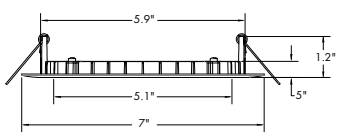
Performance

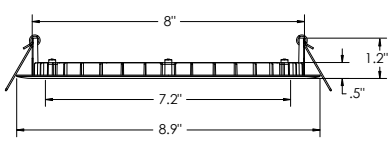
Delivered Lumens	670L (WF4), 970L (WF6) and 1640L (WF8) Nominal at 3000K
LED Color Temperature	Switchable White (27K, 30K, 35K, 40K, 50K) Default set at 3000K
CRI	90+
Voltage	Dedicated 120V
Dimming	Dimmable to 10% only with triac dimmers.

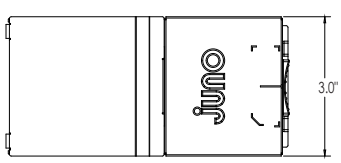
For a list of compatible dimmers see JUNO-WAFERS-DIM

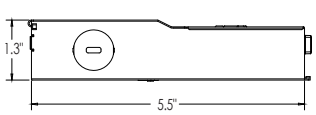
Dimensions











Specifications

	WF4	WF6	WF8
Aperture:	3.3"	5.1"	7.2"
Ceiling Opening:	4.25"	6.25"	8.25"
Overlap Trim:	5"	7"	8.9"
Height:	1.2"	1.2"	1.2"

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JUNO

Juno Wafer™ LED Downlight Series

4", 6" & 8" LED Ultra-Thin Wafer Switchable Downlight
5CCT Switchable White Downlight



ORDERING INFORMATION

Downlight

Example: WF4 SWW5 90CRI MW M6

Series		Trim Style		Color Temperature		Rendering Index		Finish	
WF4	4" Wafer-Thin LED Downlight	**(BLANK)**	Round	**SWW5**	Switchable White (2700K, 3000K, 3500K, 4000K, 5000K)	**90CRI**	90+ CRI	**MW**	Matte White
WF6	6" Wafer-Thin LED Downlight							**MB**	Matte Black
WF8[1]	8" Wafer-Thin LED Downlight							**BN**	Brushed Nickel
								ORB	Oil Rubbed Bronze

1. WF8 only offered in a Matte White finish.

Accessories: Order as separate catalog number.

Series	
WF8643 PAN	Universal New Construction Pan
WF4 PAN R12	4" New construction pan, retail pack of 12
WF4GR MW JZ	4" Wafer Goof Ring 4.2" ID x 6.2" OD
WF6 PAN R12	6" New construction pan, retail pack of 12
WF6GR MW JZ	6" Wafer Goof Ring 6" ID x 8" OD
WF8GR MW JZ	8" Wafer Goof Ring 8.1" ID x 10.1 OD
WFJB U	Remodel Joist Bar
WFEXC6 SW3PIN FT4	3-Pin 6ft Cable
WFEXC10 SW3PIN FT4	3-Pin 10ft Cable
WFEXC20 SW3PIN FT4	3-Pin 20ft Cable

*Goof rings are made of 22 gauge steel and painted white.



WF8643 UNIVERSAL
New Construction Pan



WF4 PAN
4" New Construction Pan



Remodel Joist Bar



WFEXC_
3-Pin Extension Cable



WF6 PAN
6" New Construction Pan

PERFORMANCE DATA

	WF4 SWW5	WF6 SWW5	WF8 SWW5
Input Voltage	120V	120V	120V
Input Power Typical	9W (+/-5%)	13W (+/-5%)	19W (+/-5%)
Frequency	60 Hz	60Hz	60Hz
EMI/RFI	FCC Title 47, Part 15 Class B (consumer)	FCC Title 47, Part 15 Class B (consumer)	FCC Title 47, Part 15 Class B (consumer)
Minimum Starting Temp	-40°F (-40°C)	-40°F (-40°C)	-40°F (-40°C)

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.

LIGHTING PERFORMANCE DATA
DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE

Light Appearance (CCT) Aspect de la lumière (CCT)	WF4 SWW5	WF6 SWW5	WF8 SWW5
2700K soft white | blanc doux	665 lumens | 74 lumens per watt	955 lumens | 73 lumens per watt	1615 lumens | 85 lumens per watt
3000K warm white | blanc chaud	670 lumens | 74 lumens per watt	970 lumens | 74 lumens per watt	1640 lumens | 86 lumens per watt
3500K neutral white | blanc neutre	680 lumens | 76 lumens per watt	990 lumens | 76 lumens per watt	1670 lumens | 88 lumens per watt
4000K cool white | blanc froid	685 lumens | 76 lumens per watt	1000 lumens | 76 lumens per watt	1690 lumens | 89 lumens per watt
5000K daylight | blanc neutre	690 lumens | 76 lumens per watt	1005 lumens | 77 lumens per watt	1700 lumens | 89 lumens per watt
Watts	9	13	19
Color Accuracy (CRI) Précision des couleurs (CRI)	90	90	90

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JUNO

Juno Wafer™ LED Downlight Series

4", 6" & 8" LED Ultra-Thin Wafer Switchable Downlight
5CCT Switchable White Downlight



Specifications

Housing
Polycarbonate injection molded outer frame, with steel back plate. Non-conductive dead-front trim design suitable for a wide range of applications and codes requiring a non-conductive lens • FT4 3-pin plenum rated cable connector to connect from module to remote driver box • Steel spring clip for easy installation. 4", 6" or 8" cut out template is provided to ensure a correct sized hole is cut into ceiling for proper installation of the trim. Size of hole should not exceed 4-1/4" for the WF4, 6-1/4" for the WF6 and 8-1/4" for the WF8 • Can be installed from 3/8" to 1 ½" ceiling thickness • Can be removed from below the ceiling for service or replacement.

LED Light Engine
Switchable white color temperature from 2700K, 3000K, 3500K, 4000K, 5000K • 90 CRI minimum • Color accuracy within 4 step McAdams Ellipse at the end CCT (2700K and 5000K), within 6 step McAdams Ellipse in the middle CCT (3000K, 3500K, and 4000K) • Dimming 100% to 10% with most standard incandescent dimers (see list of approved dimmers).

Driver
Connect directly to 120V Class-2 (CAN ICES-005 (B) / NMB-005 (B)) LED driver • 120V 60 Hz constant current driver provides noise free operation • IC rated driver with convenience of a switch to choose between 5 selectable color temperature options ranging from 2700K (warm white), 3000K, 3500K, 4000K, or 5000K (daylight) • The isolated driver integrated inside steel remote box with four 7/8" knockouts with slots for pryout. Suitable for pulling wires with the 12 cubic-inch wiring compartment to accommodate up to (6) 14 gauge insulated conductor or (4) 12 gauge insulated conductors, making the Wafer LED Downlights much easier to wire in 2in/2out (plus ground) daisy-chain applications and contractor friendly • 2" plenum space required for the installation of the WF6 and WF8 driver boxes; 3"plenum space required for the installation of the WF4 driver box • Suitable for installation in t-grid and drop ceiling applications with universal new construction pan.

Optical System
Edge-lit LED technology uses light guided plate to distribute light • Polycarbonate lens provides even illumination throughout the space • Efficient system that can produce over 670 lumens while using 9W (WF4), 970 lumens while using 13W (WF6) and 1640 lumens while using 19W (WF8) • Replaces 65W incandescent (WF4), 75W incandescent (WF6) and 100W incandescent (WF8).

Life
Rated for 50,000 hours at 70% lumen maintenance.

Labels
CSA certified to US and Canadian safety standards • ENERGY STAR® certified product • Suitable for wet location, covered ceiling • Air-Loc certified in accordance with ASTM E283-2004 • NOM Certified • Can be used to comply with California Title 24 Part 6 High Efficacy LED light Source Requirements • U.S. Patent No. 10,681,784.

Testing
All reports are based on published industry procedures; field performance may differ from laboratory performance.

Warranty
3-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

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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JUNO

Juno Wafer™ LED Downlight Series

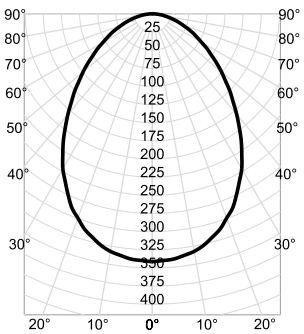
4", 6" & 8" LED Ultra-Thin Wafer Switchable Downlight
5CCT Switchable White Downlight



PHOTOMETRICS

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30" Above Floor for a Single Luminaire**

WF4 SWW5 90CRI 2700K Input Watts: 8.9, Delivered Lumens: 670, LPW: 75.3, S/MH: 1.09, Test No: ISF 202630P1



CP Summary

0°	341
5°	339
15°	319
25°	275
35°	214
45°	151
55°	99
65°	61
75°	31
85°	8
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	243	36%
0° - 40°	369	55%
0° - 60°	568	85%
0° - 90°	670	100%
90° - 180°	0	0%
0° - 180°	670	100%

Coefficients of Utilization

pf	80%			20%			50%		
ρc	70%			70%			50%		
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	106	102	98	104	100	97	99	96	94
2	94	88	82	92	86	81	88	84	80
3	84	76	70	82	75	70	79	73	68
4	75	67	61	74	66	60	71	65	60
5	68	60	53	67	59	53	65	58	53
6	62	53	47	61	53	47	59	52	47
7	57	48	43	56	48	42	54	47	42
8	52	44	39	51	44	38	50	43	38
9	48	40	35	48	40	35	46	40	35
10	45	37	32	44	37	32	43	37	32

Cone of Light

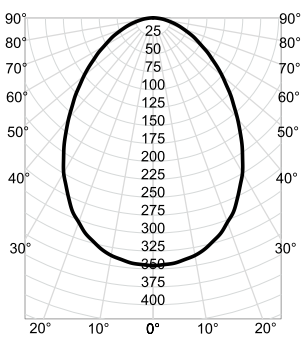
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	9.5	10.7
8.0	5.3	14.2
10.0	3.4	17.8
12.0	2.4	21.3
14.0	1.7	24.9

Beam Angle: 83.2°
Field Angle: 147.3°

Luminance (cd/sq.m)

	Average Luminance
0°	42,950
45°	26,951
55°	21,820
65°	18,172
75°	14,836
85°	11,422

WF4 SWW5 90CRI 3000K Input Watts: 8.9, Delivered Lumens: 678, LPW: 76.2, S/MH: 1.09, Test No: ISF 202630P2



CP Summary

0°	345
5°	343
15°	322
25°	278
35°	216
45°	153
55°	101
65°	62
75°	31
85°	8
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	246	36%
0° - 40°	374	55%
0° - 60°	575	85%
0° - 90°	678	100%
90° - 180°	0	0%
0° - 180°	678	100%

Coefficients of Utilization

pf	80%			20%			50%		
ρc	70%			70%			50%		
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	106	102	98	104	100	97	99	96	94
2	94	88	82	92	86	81	88	84	80
3	84	76	70	82	75	70	79	73	68
4	75	67	61	74	66	60	71	65	60
5	68	60	53	67	59	53	65	58	53
6	62	53	47	61	53	47	59	52	47
7	57	48	43	56	48	42	54	47	42
8	52	44	39	51	44	38	50	43	38
9	48	40	35	48	40	35	46	40	35
10	45	37	32	44	37	32	43	37	32

Cone of Light

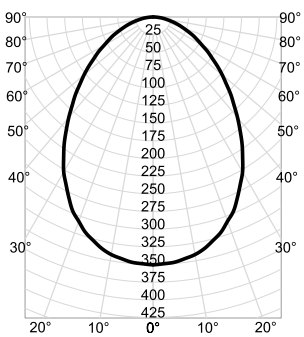
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	9.6	10.7
8.0	5.4	14.2
10.0	3.5	17.8
12.0	2.4	21.3
14.0	1.8	24.9

Beam Angle: 83.2°
Field Angle: 147.3°

Luminance (cd/sq.m)

	Average Luminance
0°	43,464
45°	27,273
55°	22,081
65°	18,389
75°	15,014
85°	11,559

WF4 SWW5 90CRI 3500K Input Watts: 8.9, Delivered Lumens: 688, LPW: 77.3, S/MH: 1.09, Test No: ISF 202630P3



CP Summary

0°	350
5°	348
15°	327
25°	282
35°	219
45°	156
55°	102
65°	63
75°	31
85°	8
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	249	36%
0° - 40°	379	55%
0° - 60°	583	85%
0° - 90°	688	100%
90° - 180°	0	0%
0° - 180°	688	100%

Coefficients of Utilization

pf	80%			20%			50%		
ρc	70%			70%			50%		
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	106	102	98	104	100	97	99	96	94
2	94	88	82	92	86	81	88	84	80
3	84	76	70	82	75	70	79	73	68
4	75	67	61	74	66	60	71	65	60
5	68	60	53	67	59	53	65	58	53
6	62	53	47	61	53	47	59	52	47
7	57	48	43	56	48	42	54	47	42
8	52	44	39	51	44	38	50	43	38
9	48	40	35	48	40	35	46	40	35
10	45	37	32	44	37	32	43	37	32

Cone of Light

Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	9.7	10.7
8.0	5.5	14.2
10.0	3.5	17.8
12.0	2.4	21.3
14.0	1.8	24.9

Beam Angle: 83.2°
Field Angle: 147.3°

Luminance (cd/sq.m)

	Average Luminance
0°	44,106
45°	27,676
55°	22,407
65°	18,661
75°	15,235
85°	11,730

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JUNO

Juno Wafer™ LED Downlight Series

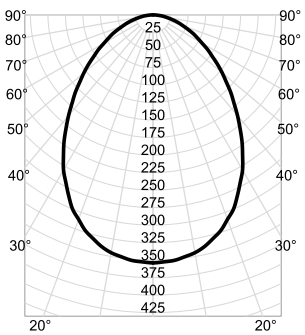
4", 6" & 8" LED Ultra-Thin Wafer Switchable Downlight
5CCT Switchable White Downlight



PHOTOMETRICS

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30″ Above Floor for a Single Luminaire**

WF4 SWW5 90CRI 4000K Input Watts: 8.9, Delivered Lumens: 695, LPW: 78.1, S/MH: 1.09, Test No: ISF 202630P4



CP Summary

0°	
0°	354
5°	352
15°	331
25°	285
35°	222
45°	157
55°	103
65°	63
75°	32
85°	8
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	252	36%
0° - 40°	383	55%
0° - 60°	589	85%
0° - 90°	695	100%
90° - 180°	0	0%
0° - 180°	695	100%

Coefficients of Utilization

ρf	80%			20%			50%		
ρc	70%			70%			50%		
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	106	102	98	104	100	97	99	96	94
2	94	88	82	92	86	81	88	84	80
3	84	76	70	82	75	70	79	73	68
4	75	67	61	74	66	60	71	65	60
5	68	60	53	67	59	53	65	58	53
6	62	53	47	61	53	47	59	52	47
7	57	48	43	56	48	42	54	47	42
8	52	44	39	51	44	38	50	43	38
9	48	40	35	48	40	35	46	40	35
10	45	37	32	44	37	32	43	37	32

Cone of Light

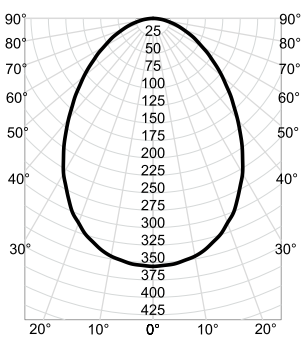
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	9.8	10.7
8.0	5.5	14.2
10.0	3.5	17.8
12.0	2.5	21.3
14.0	1.8	24.9

Beam Angle: 83.2°
Field Angle: 147.3°

Luminance (cd/sq.m)

Average Luminance	
0°	44,555
45°	27,958
55°	22,635
65°	18,851
75°	15,391
85°	11,849

WF4 SWW5 90CRI 5000K Input Watts: 8.9, Delivered Lumens: 698, LPW: 78.4, S/MH: 1.09, Test No: ISF 202630P5



CP Summary

0°	
0°	356
5°	353
15°	332
25°	286
35°	223
45°	158
55°	104
65°	64
75°	32
85°	8
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	253	36%
0° - 40°	385	55%
0° - 60°	592	85%
0° - 90°	698	100%
90° - 180°	0	0%
0° - 180°	698	100%

Coefficients of Utilization

ρf	80%			20%			50%		
ρc	70%			70%			50%		
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	106	102	98	104	100	97	99	96	94
2	94	88	82	92	86	81	88	84	80
3	84	76	70	82	75	70	79	73	68
4	75	67	61	74	66	60	71	65	60
5	68	60	53	67	59	53	65	58	53
6	62	53	47	61	53	47	59	52	47
7	57	48	43	56	48	42	54	47	42
8	52	44	39	51	44	38	50	43	38
9	48	40	35	48	40	35	46	40	35
10	45	37	32	44	37	32	43	37	32

Cone of Light

Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	9.9	10.7
8.0	5.6	14.2
10.0	3.6	17.8
12.0	2.5	21.3
14.0	1.8	24.9

Beam Angle: 83.2°
Field Angle: 147.3°

Luminance (cd/sq.m)

Average Luminance	
0°	44,748
45°	28,079
55°	22,733
65°	18,933
75°	15,457
85°	11,901

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JUNO

Juno Wafer™ LED Downlight Series

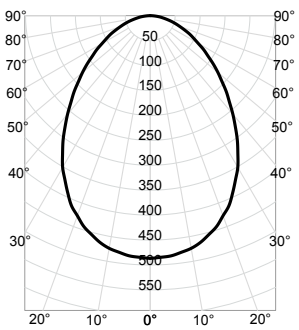
4", 6" & 8" LED Ultra-Thin Wafer Switchable Downlight
5CCT Switchable White Downlight



PHOTOMETRICS

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30″ Above Floor for a Single Luminaire**

WF6 SWW5 90CRI 2700K Input Watts: 13.1, Delivered Lumens: 955, LPW: 72.9, S/MH: 1.09, Test No: ISF 202630P6



CP Summary

0°
487
483
454
392
305
216
142
87
44
11
0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	346	36%
0° - 40°	527	55%
0° - 60°	810	85%
0° - 90°	955	100%
90° - 180°	0	0%
0° - 180°	955	100%

Coefficients of Utilization

ρf	ρc	pw	80% 50%	80% 30%	80% 10%	20% 50%	20% 30%	20% 10%	70% 50%	70% 30%	70% 10%	50% 30%	50% 10%
		0	119	119	119	116	116	116	111	111	111		
		1	106	102	98	104	100	97	99	96	94		
		2	94	88	82	92	86	81	88	84	80		
		3	84	76	70	82	75	70	79	73	68		
		4	75	67	61	74	66	60	71	65	60		
		5	68	60	53	67	59	53	65	58	53		
		6	62	53	47	61	53	47	59	52	47		
		7	57	48	43	56	48	42	54	47	42		
		8	52	44	39	51	44	38	50	43	38		
		9	48	40	35	48	40	35	46	40	35		
		10	45	37	32	44	37	32	43	37	32		

Cone of Light

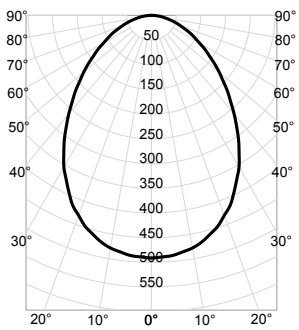
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	13.5	10.7
8.0	7.6	14.2
10.0	4.9	17.8
12.0	3.4	21.3
14.0	2.5	24.9

Beam Angle: 83.2°
Field Angle: 147.3°

Luminance (cd/sq.m)

	Average Luminance
0°	61,247
45°	38,433
55°	31,115
65°	25,913
75°	21,157
85°	16,288

WF6 SWW5 90CRI 3000K Input Watts: 13.1, Delivered Lumens: 964, LPW: 73.6, S/MH: 1.09, Test No: ISF 202630P7



CP Summary

0°
491
488
459
395
307
218
143
88
44
11
0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	350	36%
0° - 40°	531	55%
0° - 60°	817	85%
0° - 90°	964	100%
90° - 180°	0	0%
0° - 180°	964	100%

Coefficients of Utilization

ρf	ρc	pw	80% 50%	80% 30%	80% 10%	20% 50%	20% 30%	20% 10%	70% 50%	70% 30%	70% 10%	50% 30%	50% 10%
		0	119	119	119	116	116	116	111	111	111		
		1	106	102	98	104	100	97	99	96	94		
		2	94	88	82	92	86	81	88	84	80		
		3	84	76	70	82	75	70	79	73	68		
		4	75	67	61	74	66	60	71	65	60		
		5	68	60	53	67	59	53	65	58	53		
		6	62	53	47	61	53	47	59	52	47		
		7	57	48	43	56	48	42	54	47	42		
		8	52	44	39	51	44	38	50	43	38		
		9	48	40	35	48	40	35	46	40	35		
		10	45	37	32	44	37	32	43	37	32		

Cone of Light

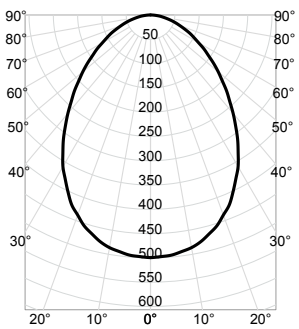
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	13.6	10.7
8.0	7.7	14.2
10.0	4.9	17.8
12.0	3.4	21.3
14.0	2.5	24.9

Beam Angle: 83.2°
Field Angle: 147.3°

Luminance (cd/sq.m)

	Average Luminance
0°	61,825
45°	38,795
55°	31,409
65°	26,158
75°	21,356
85°	16,442

WF6 SWW5 90CRI 3500K Input Watts: 13.1, Delivered Lumens: 980, LPW: 74.8, S/MH: 1.09, Test No: ISF 202630P8



CP Summary

0°
499
496
466
402
313
222
146
89
45
12
0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	355	36%
0° - 40°	540	55%
0° - 60°	831	85%
0° - 90°	980	100%
90° - 180°	0	0%
0° - 180°	980	100%

Coefficients of Utilization

ρf	ρc	pw	80% 50%	80% 30%	80% 10%	20% 50%	20% 30%	20% 10%	70% 50%	70% 30%	70% 10%	50% 30%	50% 10%
		0	119	119	119	116	116	116	111	111	111		
		1	106	102	98	104	100	97	99	96	94		
		2	94	88	82	92	86	81	88	84	80		
		3	84	76	70	82	75	70	79	73	68		
		4	75	67	61	74	66	60	71	65	60		
		5	68	60	53	67	59	53	65	58	53		
		6	62	53	47	61	53	47	59	52	47		
		7	57	48	43	56	48	42	54	47	42		
		8	52	44	39	51	44	38	50	43	38		
		9	48	40	35	48	40	35	46	40	35		
		10	45	37	32	44	37	32	43	37	32		

Cone of Light

Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	13.9	10.7
8.0	7.8	14.2
10.0	5.0	17.8
12.0	3.5	21.3
14.0	2.5	24.9

Beam Angle: 83.2°
Field Angle: 147.3°

Luminance (cd/sq.m)

	Average Luminance
0°	62,852
45°	39,440
55°	31,930
65°	26,592
75°	21,711
85°	16,715

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JUNO

Juno Wafer™ LED Downlight Series

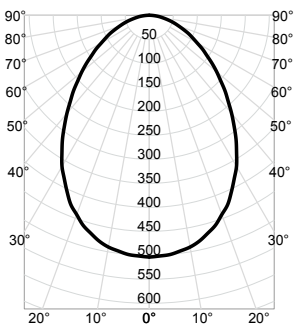
4", 6" & 8" LED Ultra-Thin Wafer Switchable Downlight
5CCT Switchable White Downlight



PHOTOMETRICS

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30" Above Floor for a Single Luminaire**

WF6 SWW5 90CRI 4000K Input Watts: 13.1, Delivered Lumens: 988, LPW: 75.4, S/MH: 1.09, Test No: ISF 202630P9



CP Summary

0°	
0°	504
5°	500
15°	470
25°	405
35°	315
45°	223
55°	147
65°	90
75°	45
85°	12
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	358	36%
0° - 40°	545	55%
0° - 60°	838	85%
0° - 90°	988	100%
90° - 180°	0	0%
0° - 180°	988	100%

Coefficients of Utilization

ρf	80%			20%			50%		
ρc	70%			50%			30%		
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	106	102	98	104	100	97	99	96	94
2	94	88	82	92	86	81	88	84	80
3	84	76	70	82	75	70	79	73	68
4	75	67	61	74	66	60	71	65	60
5	68	60	53	67	59	53	65	58	53
6	62	53	47	61	53	47	59	52	47
7	57	48	43	56	48	42	54	47	42
8	52	44	39	51	44	38	50	43	38
9	48	40	35	48	40	35	46	40	35
10	45	37	32	44	37	32	43	37	32

Cone of Light

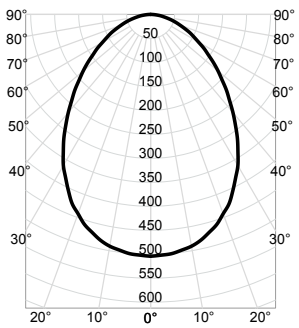
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	14.0	10.7
8.0	7.9	14.2
10.0	5.0	17.8
12.0	3.5	21.3
14.0	2.6	24.9

Beam Angle: 83.2°
Field Angle: 147.3°

Luminance (cd/sq.m)

	Average Luminance
0°	63,366
45°	39,762
55°	32,191
65°	26,810
75°	21,888
85°	16,852

WF6 SWW5 90CRI 5000K Input Watts: 13.1, Delivered Lumens: 989, LPW: 75.5, S/MH: 1.09, Test No: ISF 202630P10



CP Summary

0°	
0°	504
5°	501
15°	471
25°	406
35°	315
45°	224
55°	147
65°	90
75°	45
85°	12
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	359	36%
0° - 40°	545	55%
0° - 60°	838	85%
0° - 90°	989	100%
90° - 180°	0	0%
0° - 180°	989	100%

Coefficients of Utilization

ρf	80%			20%			50%		
ρc	70%			50%			30%		
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	106	102	98	104	100	97	99	96	94
2	94	88	82	92	86	81	88	84	80
3	84	76	70	82	75	70	79	73	68
4	75	67	61	74	66	60	71	65	60
5	68	60	53	67	59	53	65	58	53
6	62	53	47	61	53	47	59	52	47
7	57	48	43	56	48	42	54	47	42
8	52	44	39	51	44	38	50	43	38
9	48	40	35	48	40	35	46	40	35
10	45	37	32	44	37	32	43	37	32

Cone of Light

Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	14.0	10.7
8.0	7.9	14.2
10.0	5.0	17.8
12.0	3.5	21.3
14.0	2.6	24.9

Beam Angle: 83.2°
Field Angle: 147.3°

Luminance (cd/sq.m)

	Average Luminance
0°	63,430
45°	39,802
55°	32,224
65°	26,837
75°	21,911
85°	16,869

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JUNO

Juno Wafer™ LED Downlight Series

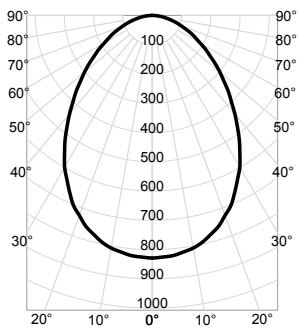
4", 6" & 8" LED Ultra-Thin Wafer Switchable Downlight
5CCT Switchable White Downlight



PHOTOMETRICS

Distribution Curve | Distribution Data | Output Data | Coefficient of Utilization | Illuminance Data at 30″ Above Floor for a Single Luminaire

WF8 SWW5 90CRI 2700K Input Watts: 19.7, Delivered Lumens: 1627, LPW: 82.6, S/MH: 1.09, Test No: ISF 202630P11



CP Summary 0°	Zonal Lumen Summary Zone	Lumens	% Fixture
0°	829	0° - 30°	590	36%
5°	823	0° - 40°	897	55%
15°	774	0° - 60°	1,379	85%
25°	667	0° - 90°	1,627	100%
35°	519	90° - 180°	0	0%
45°	368	0° - 180°	1,627	100%
55°	242			
65°	148			
75°	74			
85°	19			
90°	0			

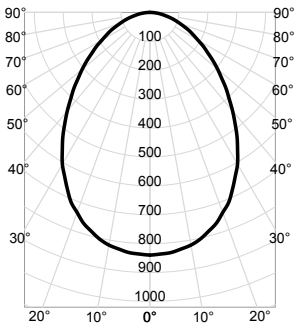
Coefficients of Utilization ρf / ρc	ρw	80% 50%	80% 30%	80% 10%	20% 70% 50%	20% 70% 30%	20% 70% 10%	50% 50%	50% 30%	50% 10%
	0	119	119	119	116	116	116	111	111	111
	1	106	102	98	104	100	97	99	96	94
	2	94	88	82	92	86	81	88	84	80
	3	84	76	70	82	75	70	79	73	68
	4	75	67	61	74	66	60	71	65	60
	5	68	60	53	67	59	53	65	58	53
	6	62	53	47	61	53	47	59	52	47
	7	57	48	43	56	48	42	54	47	42
	8	52	44	39	51	44	38	50	43	38
	9	48	40	35	48	40	35	46	40	35
	10	45	37	32	44	37	32	43	37	32

Cone of Light Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	23.0	10.7
8.0	13.0	14.2
10.0	8.3	17.8
12.0	5.8	21.3
14.0	4.2	24.9

Beam Angle: 83.2°
Field Angle: 147.3°

Luminance (cd/sq.m)	Average Luminance
0°	104,326
45°	65,464
55°	53,000
65°	44,140
75°	36,037
85°	27,745

WF8 SWW5 90CRI 3000K Input Watts: 19.7, Delivered Lumens: 1648, LPW: 83.7, S/MH: 1.09, Test No: ISF 202630P12



CP Summary 0°	Zonal Lumen Summary Zone	Lumens	% Fixture
0°	840	0° - 30°	598	36%
5°	834	0° - 40°	908	55%
15°	784	0° - 60°	1,397	85%
25°	676	0° - 90°	1,648	100%
35°	525	90° - 180°	0	0%
45°	373	0° - 180°	1,648	100%
55°	245			
65°	150			
75°	75			
85°	19			
90°	0			

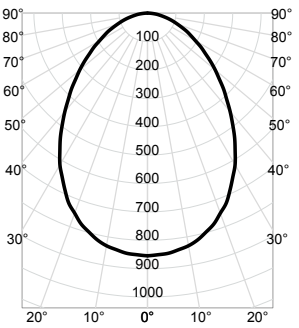
Coefficients of Utilization ρf / ρc	ρw	80% 50%	80% 30%	80% 10%	20% 70% 50%	20% 70% 30%	20% 70% 10%	50% 50%	50% 30%	50% 10%
	0	119	119	119	116	116	116	111	111	111
	1	106	102	98	104	100	97	99	96	94
	2	94	88	82	92	86	81	88	84	80
	3	84	76	70	82	75	70	79	73	68
	4	75	67	61	74	66	60	71	65	60
	5	68	60	53	67	59	53	65	58	53
	6	62	53	47	61	53	47	59	52	47
	7	57	48	43	56	48	42	54	47	42
	8	52	44	39	51	44	38	50	43	38
	9	48	40	35	48	40	35	46	40	35
	10	45	37	32	44	37	32	43	37	32

Cone of Light Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	23.3	10.7
8.0	13.1	14.2
10.0	8.4	17.8
12.0	5.8	21.3
14.0	4.3	24.9

Beam Angle: 83.2°
Field Angle: 147.3°

Luminance (cd/sq.m)	Average Luminance
0°	105,674
45°	66,310
55°	53,685
65°	44,710
75°	36,503
85°	28,104

WF8 SWW5 90CRI 3500K Input Watts: 19.7, Delivered Lumens: 1677, LPW: 85.1, S/MH: 1.09, Test No: ISF 202630P13



CP Summary 0°	Zonal Lumen Summary Zone	Lumens	% Fixture
0°	854	0° - 30°	608	36%
5°	849	0° - 40°	924	55%
15°	798	0° - 60°	1,422	85%
25°	688	0° - 90°	1,677	100%
35°	535	90° - 180°	0	0%
45°	379	0° - 180°	1,677	100%
55°	249			
65°	153			
75°	76			
85°	20			
90°	0			

Coefficients of Utilization ρf / ρc	ρw	80% 50%	80% 30%	80% 10%	20% 70% 50%	20% 70% 30%	20% 70% 10%	50% 50%	50% 30%	50% 10%
	0	119	119	119	116	116	116	111	111	111
	1	106	102	98	104	100	97	99	96	94
	2	94	88	82	92	86	81	88	84	80
	3	84	76	70	82	75	70	79	73	68
	4	75	67	61	74	66	60	71	65	60
	5	68	60	53	67	59	53	65	58	53
	6	62	53	47	61	53	47	59	52	47
	7	57	48	43	56	48	42	54	47	42
	8	52	44	39	51	44	38	50	43	38
	9	48	40	35	48	40	35	46	40	35
	10	45	37	32	44	37	32	43	37	32

Cone of Light Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	23.7	10.7
8.0	13.4	14.2
10.0	8.5	17.8
12.0	5.9	21.3
14.0	4.4	24.9

Beam Angle: 83.2°
Field Angle: 147.3°

Luminance (cd/sq.m)	Average Luminance
0°	107,536
45°	67,478
55°	54,631
65°	45,498
75°	37,146
85°	28,599

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JUNO

Juno Wafer™ LED Downlight Series

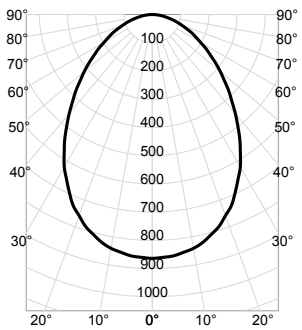
4", 6" & 8" LED Ultra-Thin Wafer Switchable Downlight
5CCT Switchable White Downlight



PHOTOMETRICS

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30" Above Floor for a Single Luminaire**

WF8 SWW5 90CRI 4000K Input Watts: 19.7, Delivered Lumens: 1696, LPW: 86.1, S/MH: 1.09, Test No: ISF 202630P14



CP Summary

0°	864
5°	858
15°	807
25°	695
35°	541
45°	383
55°	252
65°	155
75°	77
85°	20
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	615	36%
0° - 40°	935	55%
0° - 60°	1,438	85%
0° - 90°	1,696	100%
90° - 180°	0	0%
0° - 180°	1,696	100%

Coefficients of Utilization

ρf	ρc	ρw	80% 50%	80% 30%	80% 10%	20% 70% 50%	20% 70% 30%	20% 70% 10%	20% 50% 50%	20% 50% 30%	20% 50% 10%
		0	119	119	119	116	116	116	111	111	111
		1	106	102	98	104	100	97	99	96	94
		2	94	88	82	92	86	81	88	84	80
		3	84	76	70	82	75	70	79	73	68
		4	75	67	61	74	66	60	71	65	60
		5	68	60	53	67	59	53	65	58	53
		6	62	53	47	61	53	47	59	52	47
		7	57	48	43	56	48	42	54	47	42
		8	52	44	39	51	44	38	50	43	38
		9	48	40	35	48	40	35	46	40	35
		10	45	37	32	44	37	32	43	37	32

Cone of Light

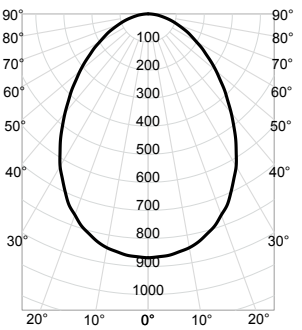
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	24.0	10.7
8.0	13.5	14.2
10.0	8.6	17.8
12.0	6.0	21.3
14.0	4.4	24.9

Beam Angle: 83.2°
Field Angle: 147.3°

Luminance (cd/sq.m)

Average Luminance	
0°	108,755
45°	68,244
55°	55,250
65°	46,014
75°	37,567
85°	28,923

WF8 SWW5 90CRI 5000K Input Watts: 19.7, Delivered Lumens: 1705, LPW: 86.5, S/MH: 1.09, Test No: ISF 202630P15



CP Summary

0°	869
5°	863
15°	811
25°	699
35°	544
45°	385
55°	253
65°	155
75°	78
85°	20
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	618	36%
0° - 40°	940	55%
0° - 60°	1,445	85%
0° - 90°	1,705	100%
90° - 180°	0	0%
0° - 180°	1,705	100%

Coefficients of Utilization

ρf	ρc	ρw	80% 50%	80% 30%	80% 10%	20% 70% 50%	20% 70% 30%	20% 70% 10%	20% 50% 50%	20% 50% 30%	20% 50% 10%
		0	119	119	119	116	116	116	111	111	111
		1	106	102	98	104	100	97	99	96	94
		2	94	88	82	92	86	81	88	84	80
		3	84	76	70	82	75	70	79	73	68
		4	75	67	61	74	66	60	71	65	60
		5	68	60	53	67	59	53	65	58	53
		6	62	53	47	61	53	47	59	52	47
		7	57	48	43	56	48	42	54	47	42
		8	52	44	39	51	44	38	50	43	38
		9	48	40	35	48	40	35	46	40	35
		10	45	37	32	44	37	32	43	37	32

Cone of Light

Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	24.1	10.7
8.0	13.6	14.2
10.0	8.7	17.8
12.0	6.0	21.3
14.0	4.4	24.9

Beam Angle: 83.2°
Field Angle: 147.3°

Luminance (cd/sq.m)

Average Luminance	
0°	109,333
45°	68,606
55°	55,544
65°	46,258
75°	37,767
85°	29,077

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RSX1 LED
Area Luminaire

Catalog Number

Notes

Type

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

Specifications

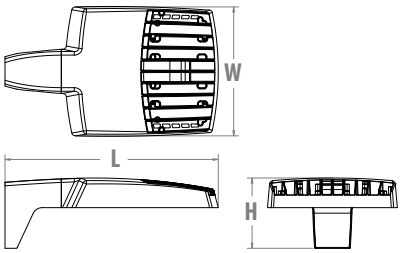
EPA (ft²@0°): 0.57 ft² (0.05 m²)

Length: 21.8" (55.4 cm) (SPA mount)

Width: 13.3" (33.8 cm)

Height: 3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm

Weight (SPA mount): 22.0 lbs (10.0 kg)



Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Design Select options indicated by this color background.

Ordering Information

EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DDBXD

RSX1 LED

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX1 LED	P1	30K 3000K	R2 Type 2 Wide	MVOLT (120V-277V) [2]	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°)
	P2	40K 4000K	R3 Type 3 Wide	HVOLT (347V-480V) [3]	RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°)
	P3	50K 5000K	R3S Type 3 Short	XVOLT (277V-480V) [4]	MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon)
	P4		R4 Type 4 Wide	(use specific voltage for options as noted)	IS Adjustable slipfitter (fits 2-3/8" OD tenon) [6]
			R4S Type 4 Short	120 [3] 277 [5]	WBA Wall bracket [1]
			R5 Type 5 Wide [1]	208 [3] 347 [5]	WBASC Wall bracket with surface conduit box
			R5S Type 5 Short [1]	240 [3] 480 [5]	AASP Adjustable tilt arm square pole mounting [6]
			AFR Automotive Front Row		AARP Adjustable tilt arm round pole mounting [6]
			AFRR90 Automotive Front Row Right Rotated		AAWB Adjustable tilt arm with wall bracket [6]
			AFRL90 Automotive Front Row Left Rotated		AAWSC Adjustable tilt arm wall bracket and surface conduit box [6]

STD FINISH = Specify

Options

Shipped Installed

HS	House-side shield [7]
PE	Photocontrol, button style [8,9]
PER7	Seven-wire twist-lock receptacle only (no controls) [9,10,11]
SF	Single fuse (120, 277, 347) [5]
DF	Double fuse (208, 240, 480) [5]
SPD20KV	20KV Surge pack (10KV standard)
FAO	Field adjustable output [9]
DMG	0-10V dimming extend out back of housing for external control (control ordered separate) [9]

Shipped Installed

***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)**

NLTAIR2 PIRHN	nLight AIR generation 2, with Networked, Bi-Level motion/ambient sensor [9,12,13,14]
BAA	Buy America(n) Act and/or Build America Buy America Qualified
CCE	Coastal Construction [15]

*Note: NLTAIR2 PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.

Shipped Separately (requires some field assembly)

EGS	External glare shield [7]
EGFV	External glare full visor (360° around light aperture) [7]
BS	Bird spikes [16]

Finish

DDBXD	Dark Bronze
DBLXD	Black
DNAXD	Natural Aluminum
DWHXD	White
DDBTXD	Textured Dark Bronze
DBLBXD	Textured Black
DNATXD	Textured Natural Aluminum
DWHGXD	Textured White

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Ordering Information

Accessories

Ordered and shipped separately.

RSX1HS	RSX1 House side shield (includes 1 shield)
RSX1HSAFRR U	RSX1 House side shield for AFR rotated optics (includes 1 shield)
RSX1EGS (FINISH) U	External glares hield (specify finish)
RSX1EGFV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) [1]
RSXSCB (FINISH) U	RSX Surface conduit box (specify finish, for use with WBA, WBA not included)
DLL127F 1.5 JU	Photocell -SSL twist-lock (120-277V) [17]
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) [17]
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) [17]
DSHORT SBK U	Shorting cap [17]

NOTES

1. Any Type 5 distribution, is not available with WBA.
2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3. HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
4. XVOLT driver not available with P1 or P2. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE.
5. Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6. Maximum tilt is 90° above horizontal.
7. It may be ordered as an accessory.
8. Requires MVOLT or 347V.
9. Two or more of the following options cannot be combined including PE, DMG, PER7, FAO and NLTAIR2 PIRHN. (Exception: PE and FAO can be combined; also PE and DMG can be combined.)
10. Compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming signals. Wire 4/Wire 5 wired to dimming leads on driver. Wire6/Wire7 capped inside luminaire. Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
11. For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
12. Must be ordered with PIRHN.
13. Requires MVOLT or HVOLT.
14. Must be ordered with NLTAIR2. For additional information on PIRHN visit here.
15. CCE option not available with WBA, WBASC, AASP, AARP, AAWB, AAWBSC, EGS, EGFV and BS.
16. Must be ordered with fixture for factory pre-drilling.
17. Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields



House Side Shield



External Glare Shield

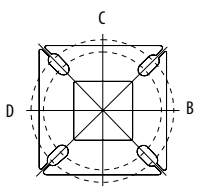


External 360 Full Visor

Pole/Mounting Informatiion

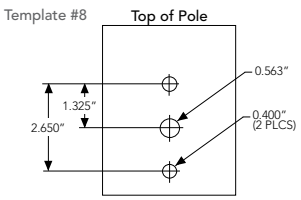
Accessories including bullhorns, cross arms and other adpaters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

HANDHOLE ORIENTATION

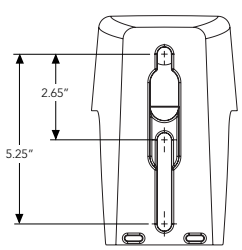


Handhole

RSX POLE DRILLING



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

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

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	**Drill Nomenclature**	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX1 - 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	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	**Tilt**									
SPA - Square Pole Adaptor	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
RPA - Round Pole Adaptor	0°	0.62	1.08	1.15	1.62	1.46	2.13	1.36	1.8	2.36
MA - Mast Arm Adaptor	0°	0.49	0.95	0.89	1.36	1.2	1.87	1.23	1.54	2.1
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
	10°	0.68	1.34	1.33	2	1.74	2.64	1.35	2.03	2.71
	20°	0.87	1.71	1.73	2.56	2.26	3.42	1.75	2.62	3.49
	30°	1.24	2.19	2.3	3.21	2.87	4.36	2.49	3.73	4.97
	40°	1.81	2.68	2.98	3.85	3.68	5.30	3.62	5.43	7.24
	45°	2.11	2.92	3.44	4.2	4.08	5.77	4.22	6.33	8.44
	50°	2.31	3.17	3.72	4.52	4.44	6.26	4.62	6.94	9.25
	60°	2.71	3.66	4.38	5.21	5.15	7.24	5.43	8.14	10.86
	70°	2.78	3.98	4.54	5.67	5.47	7.91	5.52	8.27	11.03
	80°	2.76	4.18	4.62	5.97	5.76	8.31	5.51	8.27	11.03
	90°	2.73	4.25	4.64	6.11	5.91	8.47	5.45	8.18	10.97

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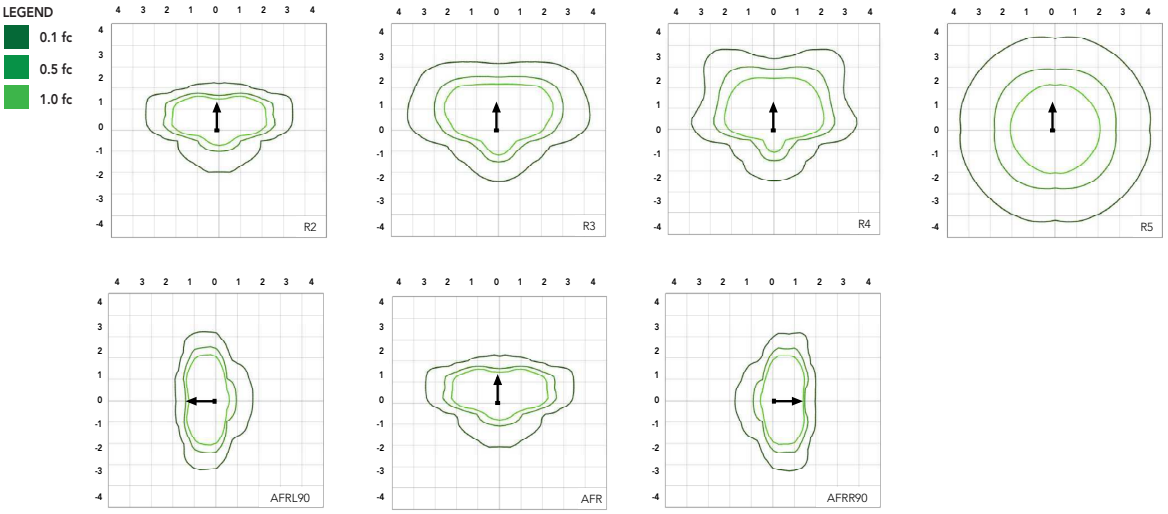
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RSX Area homepage.

Isofootcandle plots for the RSX1 LED P4 40K. 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 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

		Current (A)					
Performance Package	System Watts (W)	120V	208V	240V	277V	347V	480V
P1	51W	0.42	0.25	0.21	0.19	0.14	0.11
P2	72W	0.60	0.35	0.30	0.26	0.21	0.15
P3	109W	0.91	0.52	0.45	0.39	0.31	0.23
P4	133W	1.11	0.64	0.55	0.48	0.38	0.27

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

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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	Distribution. Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	51W	R2	6,482	1	0	1	126	7,121	1	0	1	139	7,121	1	0	1	139
		R3	6,459	1	0	2	127	7,096	1	0	2	139	7,096	1	0	2	139
		R3S	6,631	1	0	1	129	7,286	1	0	2	142	7,286	1	0	2	142
		R4	6,543	1	0	2	128	7,189	1	0	2	141	7,189	1	0	2	141
		R4S	6,313	1	0	1	124	6,936	1	0	1	136	6,936	1	0	1	136
		R5	6,631	3	0	2	130	7,286	3	0	2	143	7,286	3	0	2	143
		R5S	6,807	3	0	1	133	7,479	3	0	1	147	7,479	3	0	1	147
		AFR	6,473	1	0	1	127	7,112	1	0	1	139	7,112	1	0	1	139
		AFRR90	6,535	2	0	2	127	7,179	2	0	2	140	7,179	2	0	2	140
		AFRL90	6,562	2	0	1	128	7,210	2	0	2	140	7,210	2	0	2	140
P2	72W	R2	8,991	2	0	1	123	9,878	2	0	1	135	9,878	2	0	1	135
		R3	8,959	2	0	2	124	9,843	2	0	2	137	9,843	2	0	2	137
		R3S	9,198	2	0	2	126	10,106	2	0	2	139	10,106	2	0	2	139
		R4	9,077	2	0	2	126	9,972	2	0	2	139	9,972	2	0	2	139
		R4S	8,757	1	0	2	122	9,622	2	0	2	134	9,622	2	0	2	134
		R5	9,198	4	0	2	128	10,106	4	0	2	140	10,106	4	0	2	140
		R5S	9,443	3	0	1	131	10,374	3	0	1	144	10,374	3	0	1	144
		AFR	8,979	2	0	1	125	9,865	2	0	1	137	9,865	2	0	1	137
		AFRR90	9,064	3	0	2	124	9,959	3	0	2	137	9,959	3	0	2	137
		AFRL90	9,102	3	0	2	125	10,001	3	0	2	137	10,001	3	0	2	137
P3	109W	R2	12,808	2	0	1	117	14,072	2	0	2	129	14,072	2	0	2	129
		R3	12,763	2	0	2	117	14,023	2	0	2	129	14,023	2	0	2	129
		R3S	13,104	2	0	2	120	14,397	2	0	2	132	14,397	2	0	2	132
		R4	12,930	2	0	2	119	14,206	2	0	2	130	14,206	2	0	2	130
		R4S	12,475	2	0	2	114	13,707	2	0	2	126	13,707	2	0	2	126
		R5	13,104	4	0	2	120	14,397	4	0	2	132	14,397	4	0	2	132
		R5S	13,452	3	0	2	123	14,779	3	0	2	136	14,779	3	0	2	136
		AFR	12,791	2	0	1	117	14,053	2	0	2	129	14,053	2	0	2	129
		AFRR90	12,913	3	0	3	118	14,187	3	0	3	130	14,187	3	0	3	130
		AFRL90	12,967	3	0	2	118	14,247	3	0	3	130	14,247	3	0	3	130
P4	133W	R2	14,943	2	0	2	112	16,417	2	0	2	123	16,417	2	0	2	123
		R3	14,890	2	0	3	112	16,360	2	0	3	123	16,360	2	0	3	123
		R3S	15,287	2	0	2	115	16,796	2	0	2	126	16,796	2	0	2	126
		R4	15,085	2	0	3	113	16,574	2	0	3	125	16,574	2	0	3	125
		R4S	14,554	2	0	2	109	15,991	2	0	2	120	15,991	2	0	2	120
		R5	15,287	4	0	2	115	16,796	4	0	2	126	16,796	4	0	2	126
		R5S	15,693	4	0	2	118	17,242	4	0	2	130	17,242	4	0	2	130
		AFR	14,923	2	0	2	112	16,395	2	0	2	123	16,395	2	0	2	123
		AFRR90	15,065	3	0	3	113	16,551	3	0	3	124	16,551	3	0	3	124
		AFRL90	15,128	3	0	3	114	16,621	3	0	3	125	16,621	3	0	3	125

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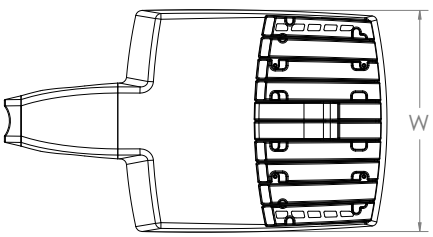
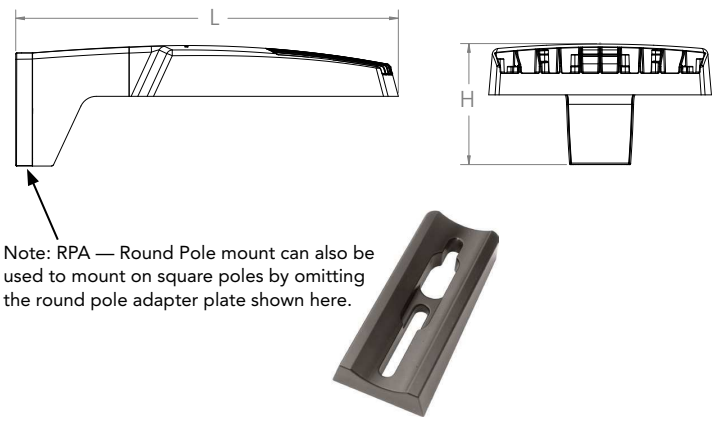
Dimensions & Weights

Luminaire Weight by Mounting Type

Mounting Configuration	Total Luminaire Weight
SPA	22 lbs
RPA	24 lbs
MA	22 lbs
WBA	25 lbs
WBASC	28 lbs
IS	25 lbs
AASP	25 lbs
AARP	27 lbs
AAWB	28 lbs
AAWSC	31 lbs

RSX1 with Round Pole Adapter (RPA)

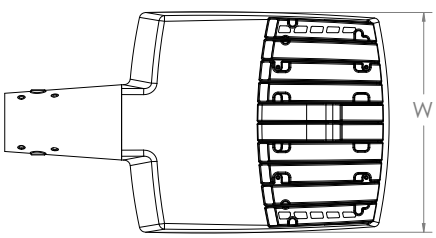


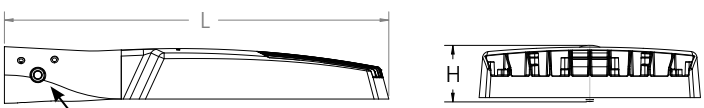


Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

Length: 22.8″ (57.9 cm)
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
7.2″ (18.4 cm) Arm

RSX1 with Mast Arm Adapter (MA)

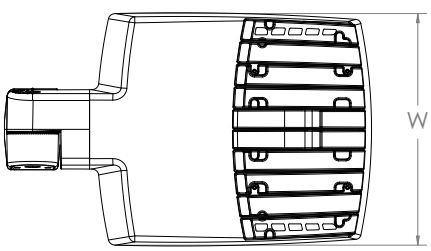


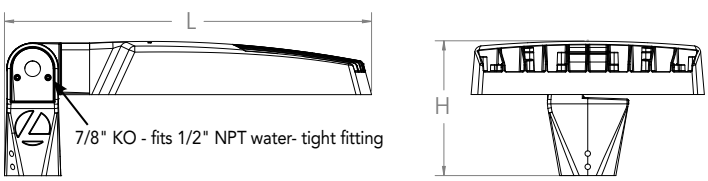


7/16" locking thru bolt/nut provided

Length: 23.2″ (59.1 cm)
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
3.5″ (8.9 cm) Arm

RSX1 with Adjustable Slipfitter (IS)





7/8" KO - fits 1/2" NPT water- tight fitting

Length: 20.7″ (52.7 cm)
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
7.6″ (19.3 cm) Arm

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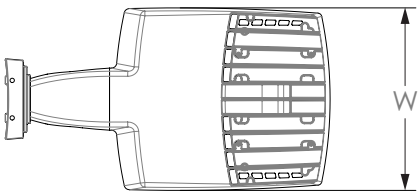
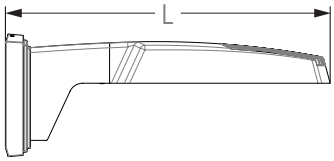
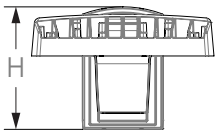
Dimensions

RSX1 with Wall Bracket (WBA)

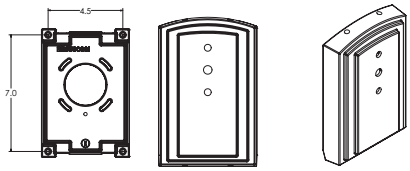




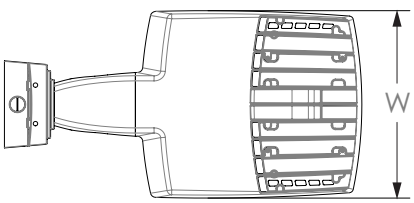


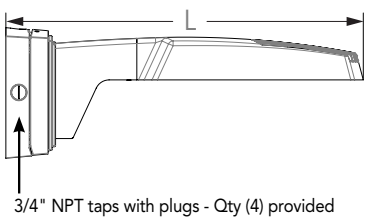
Length: 23.6" (59.9 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail

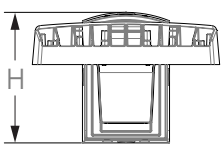


RSX1 with Wall Bracket with Surface Conduit Box (WBASC)



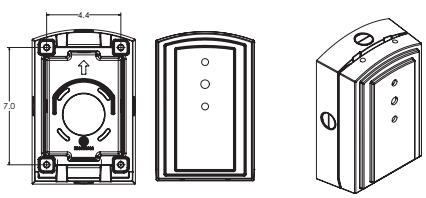


3/4" NPT taps with plugs - Qty (4) provided



Length: 25.3" (64.3 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail



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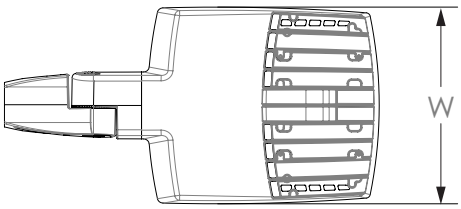
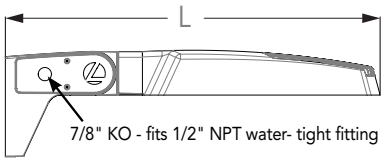
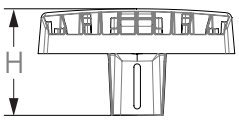
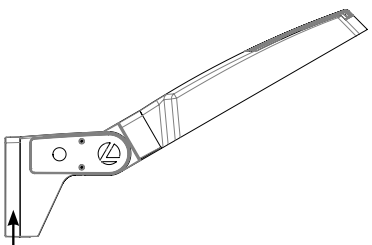
Dimensions

RSX1 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)









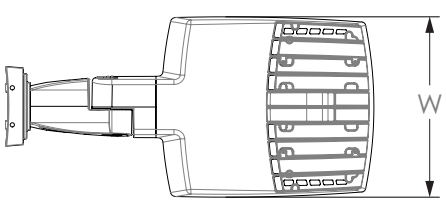
Length: 25.3″ (65.3 cm) **AASP**
26.3″ (66.8 cm) **AARP**
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
7.2″ (18.2 cm) Arm

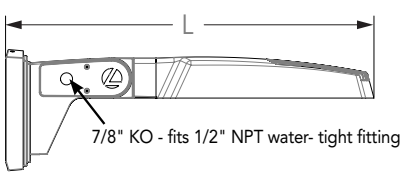
NOTE:
RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

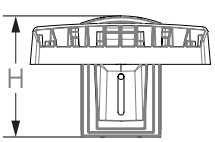


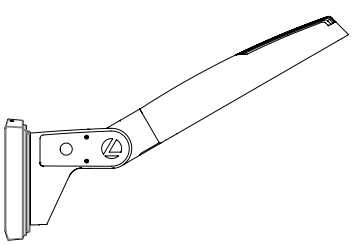
Notes
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.
AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

RSX1 with Adjustable Tilt Arm with Wall Bracket (AAWB)



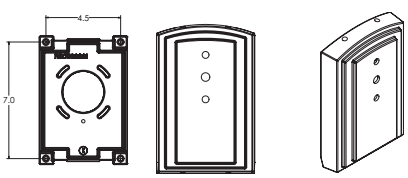






Length: 27.1″ (68.8 cm)
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
8.9″ (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail



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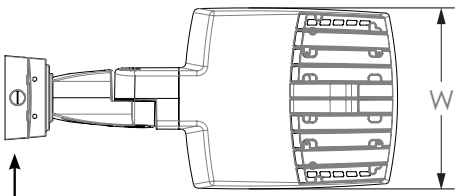
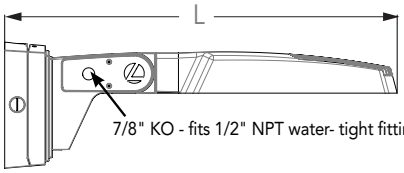
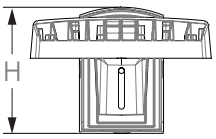
Dimensions

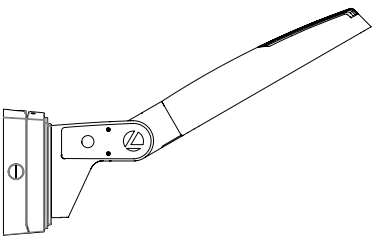
RSX1 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



3/4" NPT taps with plugs - Qty (4) provided

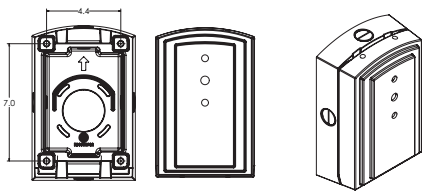




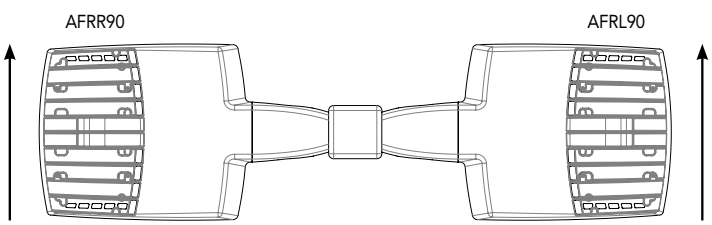


Length: 28.8" (73.2 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail



Automotive Front Row - Rotated Optics (AFRL90/R90)



(Example: 2@180 - arrows indicate direction of light exiting the luminaire)

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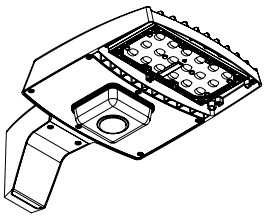
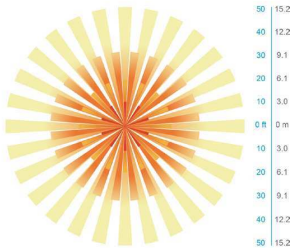
nLight Control - Sensor Coverage and Settings

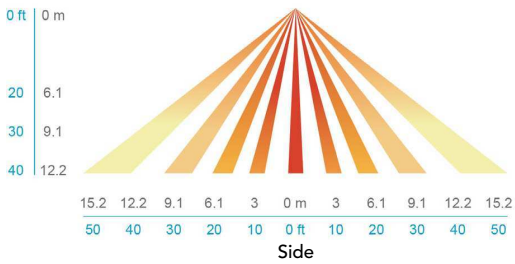
nLight Sensor Coverage Pattern

NLTAIR2 PIRHN





Top



Side

Motion Sensor Default Settings - Option PIRHN						
Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
NLTAIR2 PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: NLTAIR2 PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clairity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is titled.

FEATURES & SPECIFICATIONS

INTENDED USE
The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX1 delivers 7,000 to 17,000 lumens and is ideal for replacing 70W to 400W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION
The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. All mountings are rated for minimum 1.5 G vibration load per ANSI C136.31. 3G Mountings: Include SPA, RPA, MA, IS, AASP, and AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWSC rated for 1.5G vibration.

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 superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warrantied not to crack or peel.

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 apply.

OPTICS
Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row), and AFR rotated AFRR90 and ARFL90.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Fixtures ship standard with 0-10v dimming driver. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS
The RSX 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 with photocontrol functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaries 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 Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. 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 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. U.S. Patent No. D882, 146S

GOVERNMENT PROCUREMENT
BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations. BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to 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

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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LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — **These specifications are for USA standards only.** Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION —

Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.

GOVERNEMENT PROCUREMENT —
BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

INSTALLATION — **Do not** erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

WARRANTY — 1-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

NOTE: Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

BAA BABA

Enterprise Lighting Manufacturers' Reps

Job Name:
Midtown Center - Building A - Lot 1, Lots 4-7 & Outlot 1

Catalog Number:
SSS 25 4G DM28AS DDBXD

Notes: A durable ABS plastic two-piece full base cover, finished to match the pole is provided

Type:
P1

ELL24-132112

SSS Square Straight Steel Poles

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 5C DM19 DDBXD

Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness[1]	Mounting[2]	Options	Finish
SSS	25 = 25 Feet 10'-39' (for 1/2 ft increments, add -6 to the pole height. **Ex:** 20-6 equals 20ft 6in.) (See technical information table for complete ordering information.)	4C 4" 11g (0.120") 4G 4" 7g (0.179") 5C 5" 11g (0.120") 5G 5" 7g (0.179") 6G 6" 7g (0.179") (See technical information table for complete ordering information.)	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) KAC/KAD/KSE/KSF/KVR/KVF Drill mounting[3] DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° CSX/DSX/RSX/AERIS™/OMERO™/KAX Drill mounting[3] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° RAD drill mounting[3] DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM39RAD 3 at 90° DM49RAD 4 at 90° ESX Drill mounting[3] DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	Shipped installed VD Vibration damper[4] HAxy Horizontal arm bracket (1 fixture)[5,6] FDLxy Festoon outlet less electrical[5,7] CPL12/xy 1/2" coupling[5] CPL34/xy 3/4" coupling[5] CPL1/xy 1" coupling[5] NPL12/xy 1/2" threaded nipple[5] NPL34/xy 3/4" threaded nipple[5] NPL1/xy 1" threaded nipple[5] EHHxy Extra handhole[5,8] STLHHC Steel handhole cover (standard is plastic, finish is smooth)[9] FBCSTL2PC 2 Piece steel base cover (standard is plastic)[9] IC Interior coating[10] L/AB Less anchor bolts (Include when anchor bolts are not needed) TP Tamper resistant handhole cover fasteners NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) UL UL listed with label (Includes NEC compliant cover) BAA Buy America(n) Act Compliant[11] VM/original order# Match pole to prior order or project[12]	Super durable paint colors DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DGCXD Charcoal gray DTGXD Tennis green DBRXD Bright red DSBXD Steel blue DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white Other finishes GALV Galvanized finish Architectural colors and special finishes[13] [PAINT] GALV Paint over galvanizing VP30 3 year warranty extension VP53 5 year warranty extension RAL#### Use designated Lithonia Lighting nomenclature in brochure Custom color Nomenclature assigned through Customer Care "Custom Color Process"

NOTES:

1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.120" | "G" - 0.179".
2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, specify as drilling option/tenon option. The combination includes a required extra handhole.
   Example: DM28/T20.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's total height.
   Example: Pole height is 25ft, A provision cannot be placed above 16ft.
5. Specify location and orientation when ordering option.
   For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
   Example: 5ft = 5 and 20ft 3in = 20-3
   For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.
   Example: 1/2" coupling at 5' 8 ", orientation C = CPL12/5-8C
6. Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAxyy.
   Example: HA20BD.
7. FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
8. Combination of tenon-top and drill mount includes extra handhole. EHH includes cover.
9. Plastic hand hole cover and base covers come standard with all poles. Items ship separately. Additional parts can be ordered as replacements.
10. Provides enhanced corrosion resistance. N/A with GALV.
11. Use when mill certifications are required.
12. Must add original order number. Not for replacement parts or post sales issues, contact tech support or post sales teams. VM is used to ensure poles match in appearance exactly from order to order, on a single project site. A common use case would be a multi-phase project with multiple orders.
    Example: VM/010-36784
13. Must be quoted through AQD. Finishes do not require RFA. RAL colors available are shown in "Architectural Colors brochure". Lead times may be extended up to 2 weeks due to paint procurement.

Accessories: *Order as separate catalog number.*

PL DT20	Plugs for ESX drillings
PL DT8	Plugs for DMxxAS drillings
FVD xxFT	Field installed vibration damper (snake style)

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SSS Square Straight Steel Poles

TECHNICAL INFORMATION — EPA (ft^2) with 1.3 gust

Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft^2) with 1.3 gust						Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight	
SSS 10 4C	10	4.0 x 10.0	0.120"	11	30.6	765	23.8	595	18.9	473	75
SSS 12 4C	12	4.0 x 12.0	0.120"	11	24.4	610	18.8	470	14.8	370	90
SSS 14 4C	14	4.0 x 14.0	0.120"	11	19.9	498	15.1	378	11.7	293	100
SSS 16 4C	16	4.0 x 16.0	0.120"	11	15.9	398	11.8	295	8.9	223	115
SSS 18 4C	18	4.0 x 18.0	0.120"	11	12.6	315	9.2	230	6.7	168	125
SSS 20 4C	20	4.0 x 20.0	0.120"	11	9.6	240	6.7	167	4.5	150	140
SSS 20 4G	20	4.0 x 20.0	0.179"	7	14	350	11	275	8	200	198
SSS 20 5C	20	5.0 x 20.0	0.120"	11	17.7	443	12.7	343	9.4	235	185
SSS 20 5G	20	5.0 x 20.0	0.179"	7	28.1	703	21.4	535	16.2	405	265
SSS 25 4C	25	4.0 x 25.0	0.120"	11	4.8	150	2.6	100	1	50	170
SSS 25 4G	25	4.0 x 25.0	0.179"	7	10.8	270	7.7	188	5.4	135	245
SSS 25 5C	25	5.0 x 25.0	0.120"	11	9.8	245	6.3	157	3.7	150	225
SSS 25 5G	25	5.0 x 25.0	0.179"	7	18.5	463	13.3	333	9.5	238	360
SSS 30 4G	30	4.0 x 30.0	0.179"	7	6.7	168	4.4	110	2.6	65	295
SSS 30 5C	30	5.0 x 30.0	0.120"	11	4.7	150	2	50	--	--	265
SSS 30 5G	30	5.0 x 30.0	0.179"	7	10.7	267	6.7	167	3.9	100	380
SSS 30 6G	30	6.0 x 30.0	0.179"	7	19	475	13.2	330	9	225	520
SSS 35 5G	35	5.0 x 35.0	0.179"	7	5.9	150	2.5	100	--	--	440
SSS 35 6G	35	6.0 x 35.0	0.179"	7	12.4	310	7.6	190	4.2	105	540
SSS 39 6G	39	6.0 x 39.0	0.179"	7	7.2	180	3	75	--	--	605

NOTE: EPA values are based ASCE 7-93 wind map.
* For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

TECHNICAL INFORMATION — EPA (ft^2) WITH 3-SECOND GUST PER AASHTO 2013

Series	Mounting Height (ft)*	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approximate ship weight (lbs.)
SSS	10	4C	20	500	16	400	13	325	10.5	263	8.5	213	7	175	6	150	75
SSS	12	4C	16	400	13	325	10	250	8	200	6.5	163	5	125	4	100	90
SSS	14	4C	13.5	338	10	250	7.5	188	6	150	4.5	113	3.5	88	2.5	63	100
SSS	16	4C	10.5	263	7.5	188	5.5	138	4	100	3	75	1.5	38	1	25	115
SSS	18	4C	8	200	5.5	138	4	100	2.5	63	1.5	38	0.5	13	-	-	125
SSS	18	4G	13	325	9.5	238	7	175	5	125	3.5	88	2.5	63	1.5	38	185
SSS	18	5C	13	325	9.5	238	6.5	163	4.5	113	3	75	1.5	38	.5	13	170
SSS	20	4C	6	150	4	100	2.5	63	1	25	-	-	-	-	-	-	140
SSS	20	4G	10.5	263	7.5	188	5.5	138	3.5	88	2	50	1	25			205
SSS	20	5C	10	250	7	175	4.5	113	2.5	63	1	25	-	-	-	-	185
SSS	20	5G	20	500	15	375	11.5	288	8.5	213	6	150	4.5	113	3	75	265
SSS	25	4C	2	50	0.5	13	-	-	-	-	-	-	-	-	-	-	170
SSS	25	4G	5.5	138	3	75	1.5	38	-	-	-	-	-	-	-	-	245
SSS	25	5C	4.5	113	2	50	-	-	-	-	-	-	-	-	-	-	225
SSS	25	5G	12	300	8.5	213	5.5	138	3	75	1.5	38	-	-	-	-	360
SSS	25	6G	19	475	13.5	338	9	225	5.5	138	3	75	1	25			445
SSS	30	4G	1.5	38	-	-	-	-	-	-	-	-	-	-	-	-	291
SSS	30	5C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265
SSS	30	5G	6.5	163	3.5	88	1	25	-	-	-	-	-	-	-	-	380
SSS	30	6G	11	275	6	150	2.5	63	-	-	-	-	-	-	-	-	520
SSS	35	5G	2	50	-	-	-	-	-	-	-	-	-	-	-	-	440
SSS	35	6G	4	100	-	-	-	-	-	-	-	-	-	-	-	-	540
SSS	39	6G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	605

NOTE: AASHTO 2013 criteria is the most conservative existing EPA calculation. For poles not showing EPA values under AASHTO 2013, EPA values may exist under commercial criteria (see table above).
*For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

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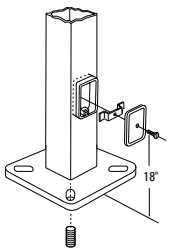
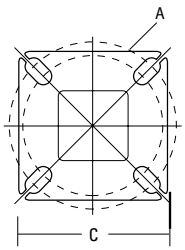
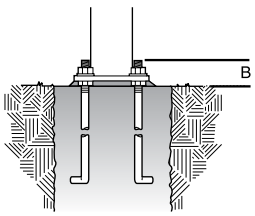
SSS Square Straight Steel Poles

BASE DETAIL



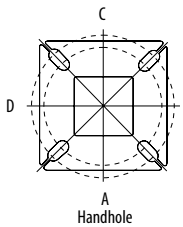




ANCHORAGE AND TEMPLATE INFORMATION

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Base plate thickness	Template description	Anchor bolt description	Bolt size (in. x in. x in.)	Anchor bolt and template description
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	3/4 x 18 x 3	ABSSS-4C
4"G	8" – 9"	3.38"- 3.75"	8"- 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	3/4 x 30 x 3	ABSSS-4G
5"	10" – 12"	3.5"- 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	1 x 36 x 4	ABSSS-5
6"	11" – 13"	4"- 4.50"	12.5"	1"	ABTEMPLATE PJ50011	AB36-0	1 x 36 x 4	N/A

HANDHOLE ORIENTATION



Default DM19 is on side B.

IMPORTANT INSTALLATION NOTES:

- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.
- Bolt circles have +/- 1/2" tolerance.

CAUTION: These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

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RSX1 LED
Area Luminaire

Catalog Number

Notes

Type

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

Specifications

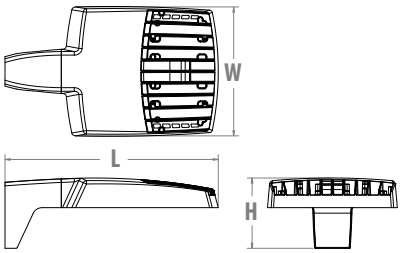
EPA (ft²@0°): 0.57 ft² (0.05 m²)

Length: 21.8" (55.4 cm) (SPA mount)

Width: 13.3" (33.8 cm)

Height: 3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm

Weight (SPA mount): 22.0 lbs (10.0 kg)



Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Design Select options indicated by this color background.

Ordering Information

EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DDBXD

RSX1 LED

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX1 LED	P1	30K 3000K	R2 Type 2 Wide	MVOLT (120V-277V) [2]	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°)
	P2	40K 4000K	R3 Type 3 Wide	HVOLT (347V-480V) [3]	RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°)
	P3	50K 5000K	R3S Type 3 Short	XVOLT (277V-480V) [4]	MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon)
	P4		R4 Type 4 Wide	(use specific voltage for options as noted)	IS Adjustable slipfitter (fits 2-3/8" OD tenon) [6]
			R4S Type 4 Short	120 [3] 277 [5]	WBA Wall bracket [1]
			R5 Type 5 Wide [1]	208 [3] 347 [5]	WBASC Wall bracket with surface conduit box
			R5S Type 5 Short [1]	240 [3] 480 [5]	AASP Adjustable tilt arm square pole mounting [6]
			AFR Automotive Front Row		AARP Adjustable tilt arm round pole mounting [6]
			AFRR90 Automotive Front Row Right Rotated		AAWB Adjustable tilt arm with wall bracket [6]
			AFRL90 Automotive Front Row Left Rotated		AAWSC Adjustable tilt arm wall bracket and surface conduit box [6]

STD FINISH = Specify

Options

Shipped Installed

HS	House-side shield [7]
PE	Photocontrol, button style [8,9]
PER7	Seven-wire twist-lock receptacle only (no controls) [9,10,11]
SF	Single fuse (120, 277, 347) [5]
DF	Double fuse (208, 240, 480) [5]
SPD20KV	20KV Surge pack (10KV standard)
FAO	Field adjustable output [9]
DMG	0-10V dimming extend out back of housing for external control (control ordered separate) [9]

Shipped Installed

***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)**

NLTAIR2 PIRHN	nLight AIR generation 2, with Networked, Bi-Level motion/ambient sensor [9,12,13,14]
BAA	Buy America(n) Act and/or Build America Buy America Qualified
CCE	Coastal Construction [15]

*Note: NLTAIR2 PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.

Shipped Separately (requires some field assembly)

EGS	External glare shield [7]
EGFV	External glare full visor (360° around light aperture) [7]
BS	Bird spikes [16]

Finish

DDBXD	Dark Bronze
DBLXD	Black
DNAXD	Natural Aluminum
DWHXD	White
DDBTXD	Textured Dark Bronze
DBLBXD	Textured Black
DNATXD	Textured Natural Aluminum
DWHGXD	Textured White

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Ordering Information

Accessories

Ordered and shipped separately.

RSX1HS	RSX1 House side shield (includes 1 shield)
RSX1HSAFRR U	RSX1 House side shield for AFR rotated optics (includes 1 shield)
RSX1EGS (FINISH) U	External glares hield (specify finish)
RSX1EGFV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) [1]
RSXSCB (FINISH) U	RSX Surface conduit box (specify finish, for use with WBA, WBA not included)
DLL127F 1.5 JU	Photocell -SSL twist-lock (120-277V) [17]
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) [17]
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) [17]
DSHORT SBK U	Shorting cap [17]

NOTES

1. Any Type 5 distribution, is not available with WBA.
2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3. HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
4. XVOLT driver not available with P1 or P2. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE.
5. Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6. Maximum tilt is 90° above horizontal.
7. It may be ordered as an accessory.
8. Requires MVOLT or 347V.
9. Two or more of the following options cannot be combined including PE, DMG, PER7, FAO and NLTAIR2 PIRHN. (Exception: PE and FAO can be combined; also PE and DMG can be combined.)
10. Compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming signals. Wire 4/Wire 5 wired to dimming leads on driver. Wire6/Wire7 capped inside luminaire. Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
11. For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
12. Must be ordered with PIRHN.
13. Requires MVOLT or HVOLT.
14. Must be ordered with NLTAIR2. For additional information on PIRHN visit here.
15. CCE option not available with WBA, WBASC, AASP, AARP, AAWB, AAWBSC, EGS, EGFV and BS.
16. Must be ordered with fixture for factory pre-drilling.
17. Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields



House Side Shield



External Glare Shield

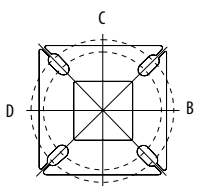


External 360 Full Visor

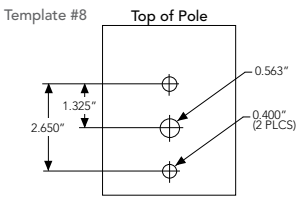
Pole/Mounting Informatiion

Accessories including bullhorns, cross arms and other adpaters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

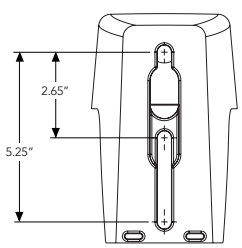
HANDHOLE ORIENTATION



RSX POLE DRILLING



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

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

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	**Drill Nomenclature**	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX1 - 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	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	**Tilt**									
SPA - Square Pole Adaptor	0 °	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
RPA - Round Pole Adaptor	0 °	0.62	1.08	1.15	1.62	1.46	2.13	1.36	1.8	2.36
MA - Mast Arm Adaptor	0 °	0.49	0.95	0.89	1.36	1.2	1.87	1.23	1.54	2.1
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0 °	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
	10°	0.68	1.34	1.33	2	1.74	2.64	1.35	2.03	2.71
	20°	0.87	1.71	1.73	2.56	2.26	3.42	1.75	2.62	3.49
	30°	1.24	2.19	2.3	3.21	2.87	4.36	2.49	3.73	4.97
	40°	1.81	2.68	2.98	3.85	3.68	5.30	3.62	5.43	7.24
	45°	2.11	2.92	3.44	4.2	4.08	5.77	4.22	6.33	8.44
	50°	2.31	3.17	3.72	4.52	4.44	6.26	4.62	6.94	9.25
	60°	2.71	3.66	4.38	5.21	5.15	7.24	5.43	8.14	10.86
	70°	2.78	3.98	4.54	5.67	5.47	7.91	5.52	8.27	11.03
	80°	2.76	4.18	4.62	5.97	5.76	8.31	5.51	8.27	11.03
	90°	2.73	4.25	4.64	6.11	5.91	8.47	5.45	8.18	10.97

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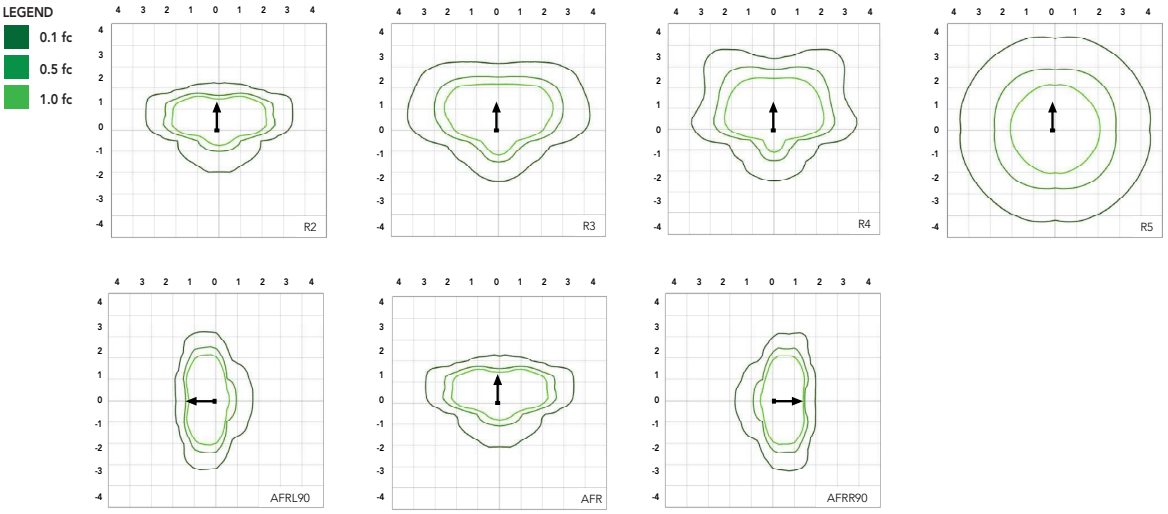
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RSX Area homepage.

Isofootcandle plots for the RSX1 LED P4 40K. 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 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

		Current (A)					
Performance Package	System Watts (W)	120V	208V	240V	277V	347V	480V
P1	51W	0.42	0.25	0.21	0.19	0.14	0.11
P2	72W	0.60	0.35	0.30	0.26	0.21	0.15
P3	109W	0.91	0.52	0.45	0.39	0.31	0.23
P4	133W	1.11	0.64	0.55	0.48	0.38	0.27

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

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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	Distribution. Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	51W	R2	6,482	1	0	1	126	7,121	1	0	1	139	7,121	1	0	1	139
		R3	6,459	1	0	2	127	7,096	1	0	2	139	7,096	1	0	2	139
		R3S	6,631	1	0	1	129	7,286	1	0	2	142	7,286	1	0	2	142
		R4	6,543	1	0	2	128	7,189	1	0	2	141	7,189	1	0	2	141
		R4S	6,313	1	0	1	124	6,936	1	0	1	136	6,936	1	0	1	136
		R5	6,631	3	0	2	130	7,286	3	0	2	143	7,286	3	0	2	143
		R5S	6,807	3	0	1	133	7,479	3	0	1	147	7,479	3	0	1	147
		AFR	6,473	1	0	1	127	7,112	1	0	1	139	7,112	1	0	1	139
		AFRR90	6,535	2	0	2	127	7,179	2	0	2	140	7,179	2	0	2	140
		AFRL90	6,562	2	0	1	128	7,210	2	0	2	140	7,210	2	0	2	140
P2	72W	R2	8,991	2	0	1	123	9,878	2	0	1	135	9,878	2	0	1	135
		R3	8,959	2	0	2	124	9,843	2	0	2	137	9,843	2	0	2	137
		R3S	9,198	2	0	2	126	10,106	2	0	2	139	10,106	2	0	2	139
		R4	9,077	2	0	2	126	9,972	2	0	2	139	9,972	2	0	2	139
		R4S	8,757	1	0	2	122	9,622	2	0	2	134	9,622	2	0	2	134
		R5	9,198	4	0	2	128	10,106	4	0	2	140	10,106	4	0	2	140
		R5S	9,443	3	0	1	131	10,374	3	0	1	144	10,374	3	0	1	144
		AFR	8,979	2	0	1	125	9,865	2	0	1	137	9,865	2	0	1	137
		AFRR90	9,064	3	0	2	124	9,959	3	0	2	137	9,959	3	0	2	137
		AFRL90	9,102	3	0	2	125	10,001	3	0	2	137	10,001	3	0	2	137
P3	109W	R2	12,808	2	0	1	117	14,072	2	0	2	129	14,072	2	0	2	129
		R3	12,763	2	0	2	117	14,023	2	0	2	129	14,023	2	0	2	129
		R3S	13,104	2	0	2	120	14,397	2	0	2	132	14,397	2	0	2	132
		R4	12,930	2	0	2	119	14,206	2	0	2	130	14,206	2	0	2	130
		R4S	12,475	2	0	2	114	13,707	2	0	2	126	13,707	2	0	2	126
		R5	13,104	4	0	2	120	14,397	4	0	2	132	14,397	4	0	2	132
		R5S	13,452	3	0	2	123	14,779	3	0	2	136	14,779	3	0	2	136
		AFR	12,791	2	0	1	117	14,053	2	0	2	129	14,053	2	0	2	129
		AFRR90	12,913	3	0	3	118	14,187	3	0	3	130	14,187	3	0	3	130
		AFRL90	12,967	3	0	2	118	14,247	3	0	3	130	14,247	3	0	3	130
P4	133W	R2	14,943	2	0	2	112	16,417	2	0	2	123	16,417	2	0	2	123
		R3	14,890	2	0	3	112	16,360	2	0	3	123	16,360	2	0	3	123
		R3S	15,287	2	0	2	115	16,796	2	0	2	126	16,796	2	0	2	126
		R4	15,085	2	0	3	113	16,574	2	0	3	125	16,574	2	0	3	125
		R4S	14,554	2	0	2	109	15,991	2	0	2	120	15,991	2	0	2	120
		R5	15,287	4	0	2	115	16,796	4	0	2	126	16,796	4	0	2	126
		R5S	15,693	4	0	2	118	17,242	4	0	2	130	17,242	4	0	2	130
		AFR	14,923	2	0	2	112	16,395	2	0	2	123	16,395	2	0	2	123
		AFRR90	15,065	3	0	3	113	16,551	3	0	3	124	16,551	3	0	3	124
		AFRL90	15,128	3	0	3	114	16,621	3	0	3	125	16,621	3	0	3	125

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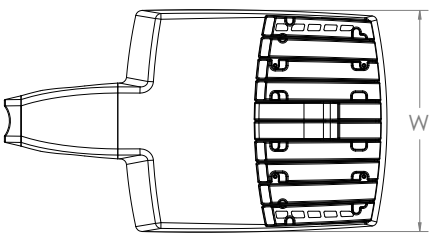
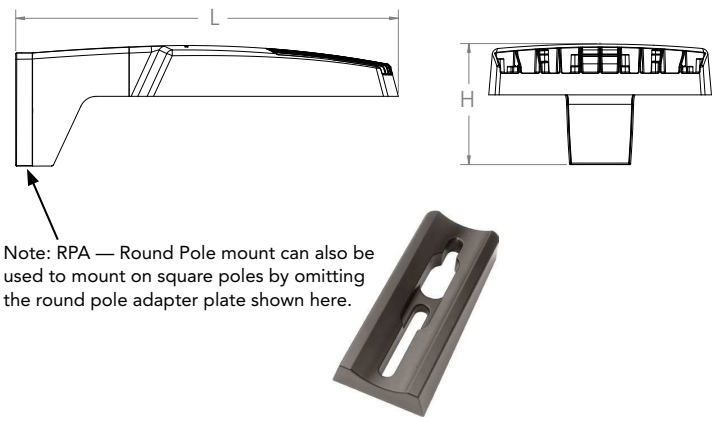
Dimensions & Weights

Luminaire Weight by Mounting Type

Mounting Configuration	Total Luminaire Weight
SPA	22 lbs
RPA	24 lbs
MA	22 lbs
WBA	25 lbs
WBASC	28 lbs
IS	25 lbs
AASP	25 lbs
AARP	27 lbs
AAWB	28 lbs
AAWSC	31 lbs

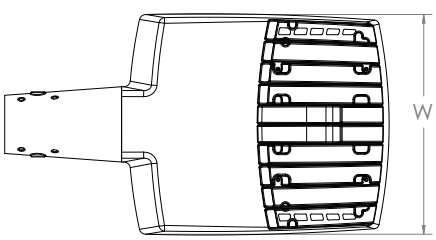
RSX1 with Round Pole Adapter (RPA)

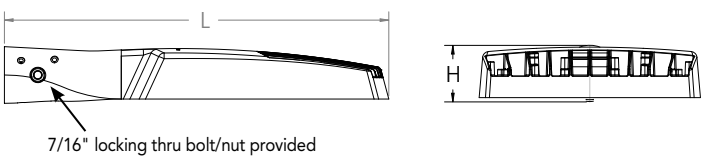




Length: 22.8″ (57.9 cm)
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
7.2″ (18.4 cm) Arm

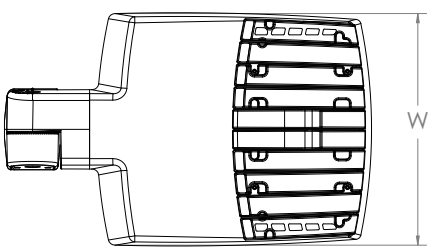
RSX1 with Mast Arm Adapter (MA)

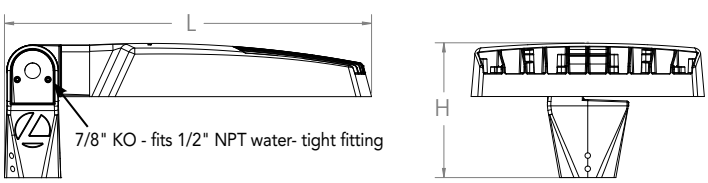




Length: 23.2″ (59.1 cm)
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
3.5″ (8.9 cm) Arm

RSX1 with Adjustable Slipfitter (IS)





Length: 20.7″ (52.7 cm)
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
7.6″ (19.3 cm) Arm

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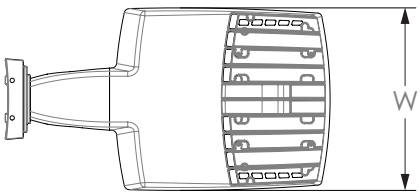
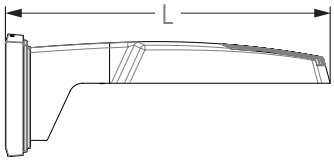
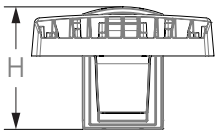
Dimensions

RSX1 with Wall Bracket (WBA)

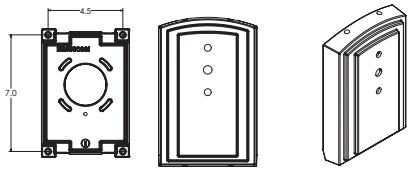




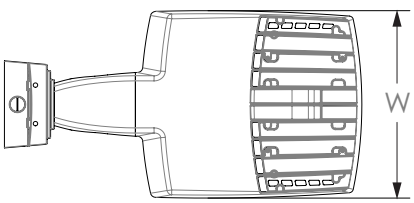


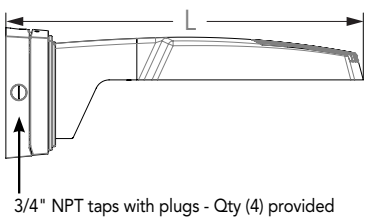
Length: 23.6" (59.9 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail

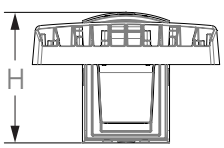


RSX1 with Wall Bracket with Surface Conduit Box (WBASC)



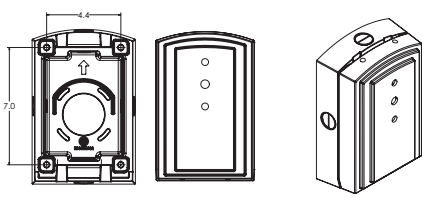


3/4" NPT taps with plugs - Qty (4) provided



Length: 25.3" (64.3 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail



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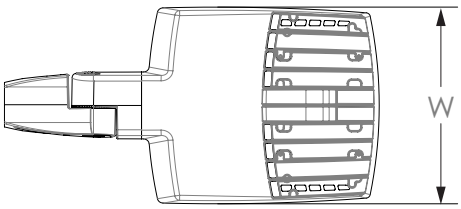
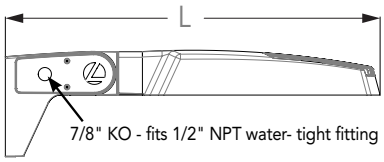
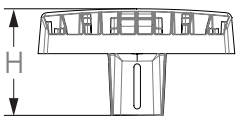
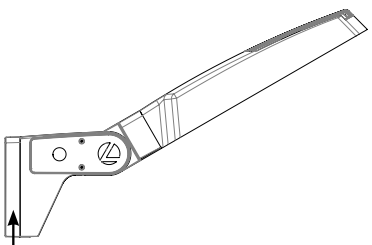
Dimensions

RSX1 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)









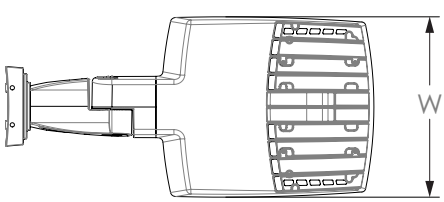
Length: 25.3″ (65.3 cm) **AASP**
26.3″ (66.8 cm) **AARP**
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
7.2″ (18.2 cm) Arm

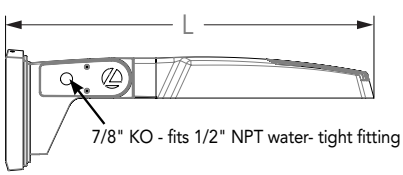
NOTE:
RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

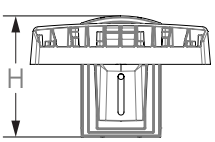


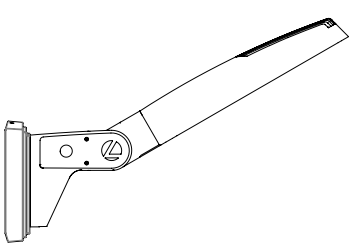
Notes
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.
AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

RSX1 with Adjustable Tilt Arm with Wall Bracket (AAWB)



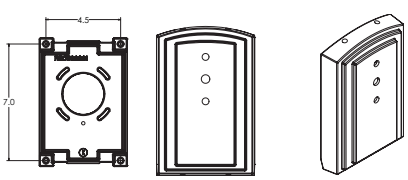






Length: 27.1″ (68.8 cm)
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
8.9″ (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail



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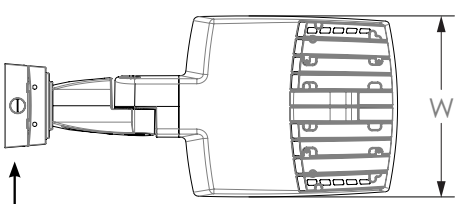
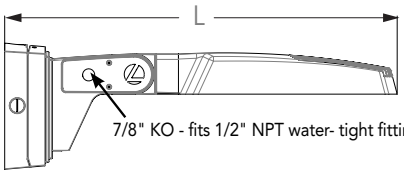
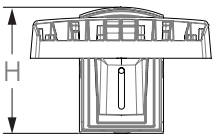
Dimensions

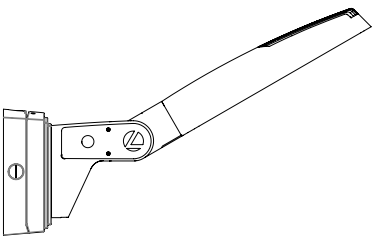
RSX1 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



3/4" NPT taps with plugs - Qty (4) provided

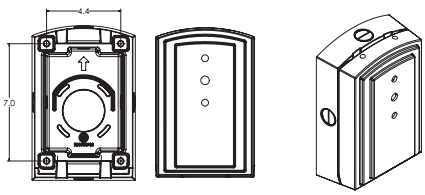




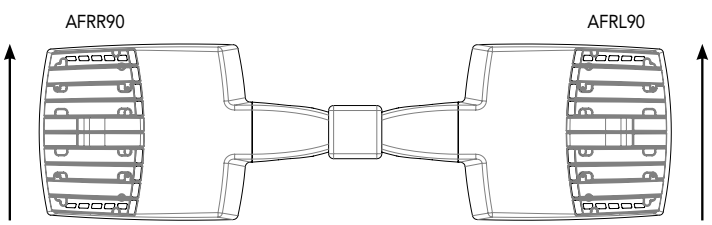


Length: 28.8" (73.2 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail



Automotive Front Row - Rotated Optics (AFRL90/R90)



(Example: 2@180 - arrows indicate direction of light exiting the luminaire)

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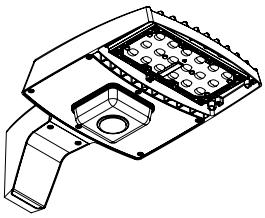
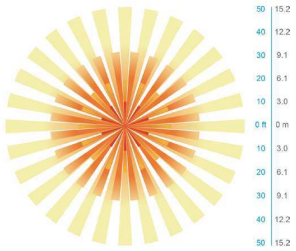
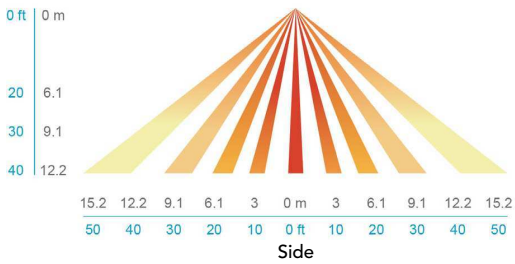
nLight Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern
NLTAIR2 PIRHN





Top



Side

Motion Sensor Default Settings - Option PIRHN						
Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
NLTAIR2 PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: NLTAIR2 PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clairity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is titled.

FEATURES & SPECIFICATIONS

INTENDED USE
The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX1 delivers 7,000 to 17,000 lumens and is ideal for replacing 70W to 400W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION
The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. All mountings are rated for minimum 1.5 G vibration load per ANSI C136.31. 3G Mountings: Include SPA, RPA, MA, IS, AASP, and AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWSC rated for 1.5G vibration.

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 superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warrantied not to crack or peel.

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 apply.

OPTICS
Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row), and AFR rotated AFRR90 and ARFL90.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Fixtures ship standard with 0-10v dimming driver. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS
The RSX 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 with photocontrol functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaries 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 Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. 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 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. U.S. Patent No. D882, 146S

GOVERNMENT PROCUREMENT
BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations. BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to 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

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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LITHONIA LIGHTING®

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

BAA BABA

FEATURES & SPECIFICATIONS

INTENDED USE — **These specifications are for USA standards only.** Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION —

Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.

GOVERNEMENT PROCUREMENT —
BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

INSTALLATION — **Do not** erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

WARRANTY — 1-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

NOTE: Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.

SSS Square Straight Steel Poles

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 5C DM19 DDBXD

SSS	25 = 25 Feet				
Series	**Nominal fixture mounting height**	**Nominal shaft base size/wall thickness[1]**	**Mounting[2]**	**Options**	**Finish**
SSS	10'-39' (for 1/2 ft increments, add -6 to the pole height. **Ex:** 20-6 equals 20ft 6in.) (See technical information table for complete ordering information.)	4C 4" 11g (0.120") 4G 4" 7g (0.179") 5C 5" 11g (0.120") 5G 5" 7g (0.179") 6G 6" 7g (0.179") (See technical information table for complete ordering information.)	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) KAC/KAD/KSE/KSF/KVR/KVF Drill mounting[3] DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° CSX/DSX/RSX/AERIS™/OMERO™/ KAX Drill mounting[3] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° RAD drill mounting[3] DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM39RAD 3 at 90° DM49RAD 4 at 90° ESX Drill mounting[3] DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	Shipped installed VD Vibration damper[4] HAxy Horizontal arm bracket (1 fixture)[5,6] FDLxy Festoon outlet less electrical[5,7] CPL12/xy 1/2" coupling[5] CPL34/xy 3/4" coupling[5] CPL1/xy 1" coupling[5] NPL12/xy 1/2" threaded nipple[5] NPL34/xy 3/4" threaded nipple[5] NPL1/xy 1" threaded nipple[5] EHHxy Extra handhole[5,8] STLHHC Steel handhole cover (standard is plastic, finish is smooth)[9] FBCSTL2PC 2 Piece steel base cover (standard is plastic)[9] IC Interior coating[10] L/AB Less anchor bolts (Include when anchor bolts are not needed) TP Tamper resistant handhole cover fasteners NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) UL UL listed with label (Includes NEC compliant cover) BAA Buy America(n) Act Compliant[11] VM/original order# Match pole to prior order or project[12]	Super durable paint colors DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DGCXD Charcoal gray DTGXD Tennis green DBRXD Bright red DSBXD Steel blue DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white Other finishes GALV Galvanized finish Architectural colors and special finishes[13] [PAINT] GALV Paint over galvanizing VP30 3 year warranty extension VP53 5 year warranty extension RAL#### Use designated Lithonia Lighting nomenclature in brochure Custom color Nomenclature assigned through Customer Care "Custom Color Process"

NOTES:

1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.120" | "G" - 0.179".
2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, specify as drilling option/tenon option. The combination includes a required extra handhole.
   Example: DM28/T20.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's total height.
   Example: Pole height is 25ft, A provision cannot be placed above 16ft.
5. Specify location and orientation when ordering option.
   For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
   Example: 5ft = 5 and 20ft 3in = 20-3
   For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.
   Example: 1/2" coupling at 5' 8 ", orientation C = CPL12/5-8C
6. Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAxyy.
   Example: HA20BD.
7. FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
8. Combination of tenon-top and drill mount includes extra handhole. EHH includes cover.
9. Plastic hand hole cover and base covers come standard with all poles. Items ship separately. Additional parts can be ordered as replacements.
10. Provides enhanced corrosion resistance. N/A with GALV.
11. Use when mill certifications are required.
12. Must add original order number. Not for replacement parts or post sales issues, contact tech support or post sales teams. VM is used to ensure poles match in appearance exactly from order to order, on a single project site. A common use case would be a multi-phase project with multiple orders.
    Example: VM/010-36784
13. Must be quoted through AQD. Finishes do not require RFA. RAL colors available are shown in "Architectural Colors brochure". Lead times may be extended up to 2 weeks due to paint procurement.

Accessories: *Order as separate catalog number.*

PL DT20	Plugs for ESX drillings
PL DT8	Plugs for DMxxAS drillings
FVD xxFT	Field installed vibration damper (snake style)

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SSS Square Straight Steel Poles

TECHNICAL INFORMATION — EPA (ft^2) with 1.3 gust

Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft^2) with 1.3 gust						Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight	
SSS 10 4C	10	4.0 x 10.0	0.120"	11	30.6	765	23.8	595	18.9	473	75
SSS 12 4C	12	4.0 x 12.0	0.120"	11	24.4	610	18.8	470	14.8	370	90
SSS 14 4C	14	4.0 x 14.0	0.120"	11	19.9	498	15.1	378	11.7	293	100
SSS 16 4C	16	4.0 x 16.0	0.120"	11	15.9	398	11.8	295	8.9	223	115
SSS 18 4C	18	4.0 x 18.0	0.120"	11	12.6	315	9.2	230	6.7	168	125
SSS 20 4C	20	4.0 x 20.0	0.120"	11	9.6	240	6.7	167	4.5	150	140
SSS 20 4G	20	4.0 x 20.0	0.179"	7	14	350	11	275	8	200	198
SSS 20 5C	20	5.0 x 20.0	0.120"	11	17.7	443	12.7	343	9.4	235	185
SSS 20 5G	20	5.0 x 20.0	0.179"	7	28.1	703	21.4	535	16.2	405	265
SSS 25 4C	25	4.0 x 25.0	0.120"	11	4.8	150	2.6	100	1	50	170
SSS 25 4G	25	4.0 x 25.0	0.179"	7	10.8	270	7.7	188	5.4	135	245
SSS 25 5C	25	5.0 x 25.0	0.120"	11	9.8	245	6.3	157	3.7	150	225
SSS 25 5G	25	5.0 x 25.0	0.179"	7	18.5	463	13.3	333	9.5	238	360
SSS 30 4G	30	4.0 x 30.0	0.179"	7	6.7	168	4.4	110	2.6	65	295
SSS 30 5C	30	5.0 x 30.0	0.120"	11	4.7	150	2	50	--	--	265
SSS 30 5G	30	5.0 x 30.0	0.179"	7	10.7	267	6.7	167	3.9	100	380
SSS 30 6G	30	6.0 x 30.0	0.179"	7	19	475	13.2	330	9	225	520
SSS 35 5G	35	5.0 x 35.0	0.179"	7	5.9	150	2.5	100	--	--	440
SSS 35 6G	35	6.0 x 35.0	0.179"	7	12.4	310	7.6	190	4.2	105	540
SSS 39 6G	39	6.0 x 39.0	0.179"	7	7.2	180	3	75	--	--	605

NOTE: EPA values are based ASCE 7-93 wind map.
* For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

TECHNICAL INFORMATION — EPA (ft^2) WITH 3-SECOND GUST PER AASHTO 2013

Series	Mounting Height (ft)*	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approximate ship weight (lbs.)
SSS	10	4C	20	500	16	400	13	325	10.5	263	8.5	213	7	175	6	150	75
SSS	12	4C	16	400	13	325	10	250	8	200	6.5	163	5	125	4	100	90
SSS	14	4C	13.5	338	10	250	7.5	188	6	150	4.5	113	3.5	88	2.5	63	100
SSS	16	4C	10.5	263	7.5	188	5.5	138	4	100	3	75	1.5	38	1	25	115
SSS	18	4C	8	200	5.5	138	4	100	2.5	63	1.5	38	0.5	13	-	-	125
SSS	18	4G	13	325	9.5	238	7	175	5	125	3.5	88	2.5	63	1.5	38	185
SSS	18	5C	13	325	9.5	238	6.5	163	4.5	113	3	75	1.5	38	.5	13	170
SSS	20	4C	6	150	4	100	2.5	63	1	25	-	-	-	-	-	-	140
SSS	20	4G	10.5	263	7.5	188	5.5	138	3.5	88	2	50	1	25			205
SSS	20	5C	10	250	7	175	4.5	113	2.5	63	1	25	-	-	-	-	185
SSS	20	5G	20	500	15	375	11.5	288	8.5	213	6	150	4.5	113	3	75	265
SSS	25	4C	2	50	0.5	13	-	-	-	-	-	-	-	-	-	-	170
SSS	25	4G	5.5	138	3	75	1.5	38	-	-	-	-	-	-	-	-	245
SSS	25	5C	4.5	113	2	50	-	-	-	-	-	-	-	-	-	-	225
SSS	25	5G	12	300	8.5	213	5.5	138	3	75	1.5	38	-	-	-	-	360
SSS	25	6G	19	475	13.5	338	9	225	5.5	138	3	75	1	25			445
SSS	30	4G	1.5	38	-	-	-	-	-	-	-	-	-	-	-	-	291
SSS	30	5C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265
SSS	30	5G	6.5	163	3.5	88	1	25	-	-	-	-	-	-	-	-	380
SSS	30	6G	11	275	6	150	2.5	63	-	-	-	-	-	-	-	-	520
SSS	35	5G	2	50	-	-	-	-	-	-	-	-	-	-	-	-	440
SSS	35	6G	4	100	-	-	-	-	-	-	-	-	-	-	-	-	540
SSS	39	6G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	605

NOTE: AASHTO 2013 criteria is the most conservative existing EPA calculation. For poles not showing EPA values under AASHTO 2013, EPA values may exist under commercial criteria (see table above).

*For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

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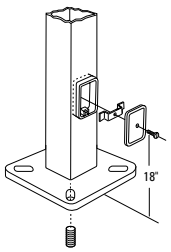
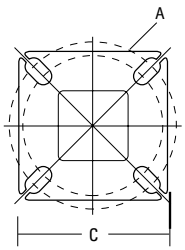
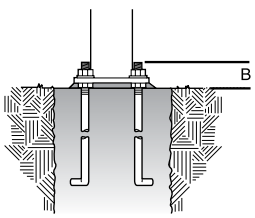
SSS Square Straight Steel Poles

BASE DETAIL



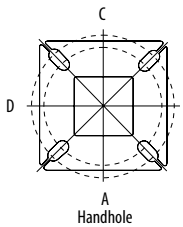




ANCHORAGE AND TEMPLATE INFORMATION

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Base plate thickness	Template description	Anchor bolt description	Bolt size (in. x in. x in.)	Anchor bolt and template description
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	3/4 x 18 x 3	ABSSS-4C
4"G	8" – 9"	3.38"- 3.75"	8"- 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	3/4 x 30 x 3	ABSSS-4G
5"	10" – 12"	3.5"- 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	1 x 36 x 4	ABSSS-5
6"	11" – 13"	4"- 4.50"	12.5"	1"	ABTEMPLATE PJ50011	AB36-0	1 x 36 x 4	N/A

HANDHOLE ORIENTATION



Default DM19 is on side B.

IMPORTANT INSTALLATION NOTES:

- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.
- Bolt circles have +/- 1/2" tolerance.

CAUTION: These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

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RSX1 LED
Area Luminaire

Catalog Number

Notes

Type

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

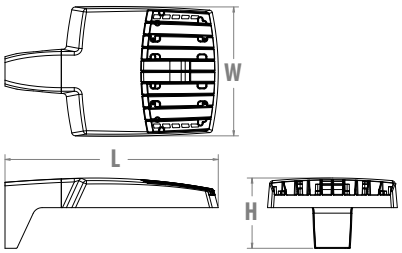
Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

Specifications

EPA (ft²@0°):	0.57 ft² (0.05 m²)
Length:	21.8" (55.4 cm) (SPA mount)
Width:	13.3" (33.8 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm
Weight: (SPA mount):	22.0 lbs (10.0 kg)



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Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Design Select options indicated by this color background.

Ordering Information

EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DDBXD

RSX1 LED

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX1 LED	P1	30K 3000K	R2 Type 2 Wide	MVOLT (120V-277V) [2]	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°)
	P2	40K 4000K	R3 Type 3 Wide	HVOLT (347V-480V) [3]	RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°)
	P3	50K 5000K	R3S Type 3 Short	XVOLT (277V-480V) [4]	MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon)
	P4		R4 Type 4 Wide	(use specific voltage for options as noted)	IS Adjustable slipfitter (fits 2-3/8" OD tenon) [6]
			R4S Type 4 Short	120 [3] 277 [5]	WBA Wall bracket [1]
			R5 Type 5 Wide [1]	208 [3] 347 [5]	WBASC Wall bracket with surface conduit box
			R5S Type 5 Short [1]	240 [3] 480 [5]	AASP Adjustable tilt arm square pole mounting [6]
			AFR Automotive Front Row		AARP Adjustable tilt arm round pole mounting [6]
			AFRR90 Automotive Front Row Right Rotated		AAWB Adjustable tilt arm with wall bracket [6]
			AFRL90 Automotive Front Row Left Rotated		AAWSC Adjustable tilt arm wall bracket and surface conduit box [6]

STD FINISH = Specify

Options

Shipped Installed

HS	House-side shield [7]
PE	Photocontrol, button style [8,9]
PER7	Seven-wire twist-lock receptacle only (no controls) [9,10,11]
SF	Single fuse (120, 277, 347) [5]
DF	Double fuse (208, 240, 480) [5]
SPD20KV	20KV Surge pack (10KV standard)
FAO	Field adjustable output [9]
DMG	0-10V dimming extend out back of housing for external control (control ordered separate) [9]

Shipped Installed

***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)**

NLTAIR2 PIRHN	nLight AIR generation 2, with Networked, Bi-Level motion/ambient sensor [9,12,13,14]
BAA	Buy America(n) Act and/or Build America Buy America Qualified
CCE	Coastal Construction [15]

*Note: NLTAIR2 PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.

Shipped Separately (requires some field assembly)

EGS	External glare shield [7]
EGFV	External glare full visor (360° around light aperture) [7]
BS	Bird spikes [16]

Finish

DDBXD	Dark Bronze
DBLXD	Black
DNAXD	Natural Aluminum
DWHXD	White
DDBTXD	Textured Dark Bronze
DBLBXD	Textured Black
DNATXD	Textured Natural Aluminum
DWHGXD	Textured White

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Ordering Information

Accessories
Ordered and shipped separately.

RSX1HS	RSX1 House side shield (includes 1 shield)
RSX1HSAFRR U	RSX1 House side shield for AFR rotated optics (includes 1 shield)
RSX1EGS (FINISH) U	External glares hield (specify finish)
RSX1EGFV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) [1]
RSXSCB (FINISH) U	RSX Surface conduit box (specify finish, for use with WBA, WBA not included)
DLL127F 1.5 JU	Photocell -SSL twist-lock (120-277V) [17]
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) [17]
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) [17]
DSHORT SBK U	Shorting cap [17]

NOTES

1 Any Type 5 distribution, is not available with WBA.
2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
4 XVOLT driver not available with P1 or P2. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE.
5 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6 Maximum tilt is 90° above horizontal.
7 It may be ordered as an accessory.
8 Requires MVOLT or 347V.
9 Two or more of the following options cannot be combined including PE, DMG, PER7, FAO and NLTAIR2 PIRHN. (Exception: PE and FAO can be combined; also PE and DMG can be combined.)
10 Compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming signals. Wire 4/Wire 5 wired to dimming leads on driver. Wire6/Wire7 capped inside luminaire. Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
11 For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
12 Must be ordered with PIRHN.
13 Requires MVOLT or HVOLT.
14 Must be ordered with NLTAIR2. For additional information on PIRHN visit here.
15 CCE option not available with WBA, WBASC, AASP, AARP, AAWB, AAWBSC, EGS, EGFV and BS.
16 Must be ordered with fixture for factory pre-drilling.
17 Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields



House Side Shield



External Glare Shield

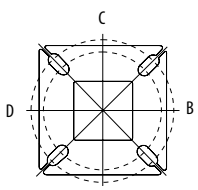


External 360 Full Visor

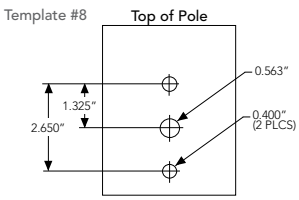
Pole/Mounting Informatiion

Accessories including bullhorns, cross arms and other adpaters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

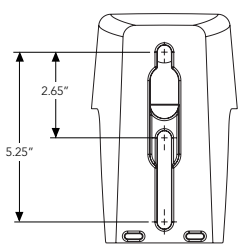
HANDHOLE ORIENTATION



RSX POLE DRILLING



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

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

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	**Drill Nomenclature**	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX1 - 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	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	**Tilt**									
SPA - Square Pole Adaptor	0 °	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
RPA - Round Pole Adaptor		0.62	1.08	1.15	1.62	1.46	2.13	1.36	1.8	2.36
MA - Mast Arm Adaptor		0.49	0.95	0.89	1.36	1.2	1.87	1.23	1.54	2.1
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0 °	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
	10°	0.68	1.34	1.33	2	1.74	2.64	1.35	2.03	2.71
	20°	0.87	1.71	1.73	2.56	2.26	3.42	1.75	2.62	3.49
	30°	1.24	2.19	2.3	3.21	2.87	4.36	2.49	3.73	4.97
	40°	1.81	2.68	2.98	3.85	3.68	5.30	3.62	5.43	7.24
	45°	2.11	2.92	3.44	4.2	4.08	5.77	4.22	6.33	8.44
	50°	2.31	3.17	3.72	4.52	4.44	6.26	4.62	6.94	9.25
	60°	2.71	3.66	4.38	5.21	5.15	7.24	5.43	8.14	10.86
	70°	2.78	3.98	4.54	5.67	5.47	7.91	5.52	8.27	11.03
	80°	2.76	4.18	4.62	5.97	5.76	8.31	5.51	8.27	11.03
	90°	2.73	4.25	4.64	6.11	5.91	8.47	5.45	8.18	10.97

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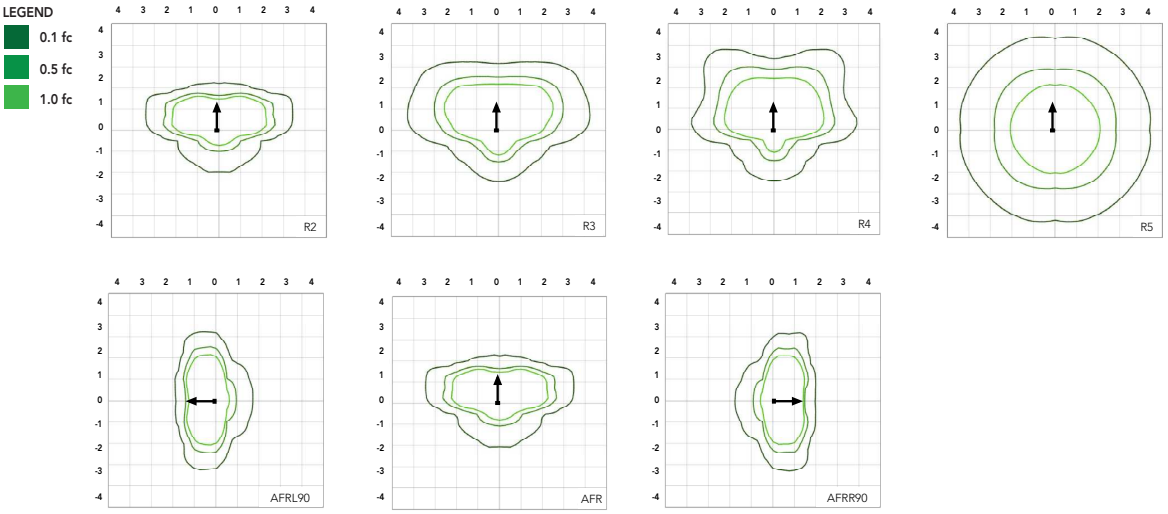
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RSX Area homepage.

Isofootcandle plots for the RSX1 LED P4 40K. 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 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

		Current (A)					
Performance Package	System Watts (W)	120V	208V	240V	277V	347V	480V
P1	51W	0.42	0.25	0.21	0.19	0.14	0.11
P2	72W	0.60	0.35	0.30	0.26	0.21	0.15
P3	109W	0.91	0.52	0.45	0.39	0.31	0.23
P4	133W	1.11	0.64	0.55	0.48	0.38	0.27

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

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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	Distribution. Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	51W	R2	6,482	1	0	1	126	7,121	1	0	1	139	7,121	1	0	1	139
		R3	6,459	1	0	2	127	7,096	1	0	2	139	7,096	1	0	2	139
		R3S	6,631	1	0	1	129	7,286	1	0	2	142	7,286	1	0	2	142
		R4	6,543	1	0	2	128	7,189	1	0	2	141	7,189	1	0	2	141
		R4S	6,313	1	0	1	124	6,936	1	0	1	136	6,936	1	0	1	136
		R5	6,631	3	0	2	130	7,286	3	0	2	143	7,286	3	0	2	143
		R5S	6,807	3	0	1	133	7,479	3	0	1	147	7,479	3	0	1	147
		AFR	6,473	1	0	1	127	7,112	1	0	1	139	7,112	1	0	1	139
		AFRR90	6,535	2	0	2	127	7,179	2	0	2	140	7,179	2	0	2	140
		AFRL90	6,562	2	0	1	128	7,210	2	0	2	140	7,210	2	0	2	140
P2	72W	R2	8,991	2	0	1	123	9,878	2	0	1	135	9,878	2	0	1	135
		R3	8,959	2	0	2	124	9,843	2	0	2	137	9,843	2	0	2	137
		R3S	9,198	2	0	2	126	10,106	2	0	2	139	10,106	2	0	2	139
		R4	9,077	2	0	2	126	9,972	2	0	2	139	9,972	2	0	2	139
		R4S	8,757	1	0	2	122	9,622	2	0	2	134	9,622	2	0	2	134
		R5	9,198	4	0	2	128	10,106	4	0	2	140	10,106	4	0	2	140
		R5S	9,443	3	0	1	131	10,374	3	0	1	144	10,374	3	0	1	144
		AFR	8,979	2	0	1	125	9,865	2	0	1	137	9,865	2	0	1	137
		AFRR90	9,064	3	0	2	124	9,959	3	0	2	137	9,959	3	0	2	137
		AFRL90	9,102	3	0	2	125	10,001	3	0	2	137	10,001	3	0	2	137
P3	109W	R2	12,808	2	0	1	117	14,072	2	0	2	129	14,072	2	0	2	129
		R3	12,763	2	0	2	117	14,023	2	0	2	129	14,023	2	0	2	129
		R3S	13,104	2	0	2	120	14,397	2	0	2	132	14,397	2	0	2	132
		R4	12,930	2	0	2	119	14,206	2	0	2	130	14,206	2	0	2	130
		R4S	12,475	2	0	2	114	13,707	2	0	2	126	13,707	2	0	2	126
		R5	13,104	4	0	2	120	14,397	4	0	2	132	14,397	4	0	2	132
		R5S	13,452	3	0	2	123	14,779	3	0	2	136	14,779	3	0	2	136
		AFR	12,791	2	0	1	117	14,053	2	0	2	129	14,053	2	0	2	129
		AFRR90	12,913	3	0	3	118	14,187	3	0	3	130	14,187	3	0	3	130
		AFRL90	12,967	3	0	2	118	14,247	3	0	3	130	14,247	3	0	3	130
P4	133W	R2	14,943	2	0	2	112	16,417	2	0	2	123	16,417	2	0	2	123
		R3	14,890	2	0	3	112	16,360	2	0	3	123	16,360	2	0	3	123
		R3S	15,287	2	0	2	115	16,796	2	0	2	126	16,796	2	0	2	126
		R4	15,085	2	0	3	113	16,574	2	0	3	125	16,574	2	0	3	125
		R4S	14,554	2	0	2	109	15,991	2	0	2	120	15,991	2	0	2	120
		R5	15,287	4	0	2	115	16,796	4	0	2	126	16,796	4	0	2	126
		R5S	15,693	4	0	2	118	17,242	4	0	2	130	17,242	4	0	2	130
		AFR	14,923	2	0	2	112	16,395	2	0	2	123	16,395	2	0	2	123
		AFRR90	15,065	3	0	3	113	16,551	3	0	3	124	16,551	3	0	3	124
		AFRL90	15,128	3	0	3	114	16,621	3	0	3	125	16,621	3	0	3	125

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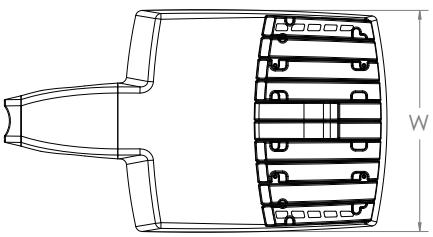
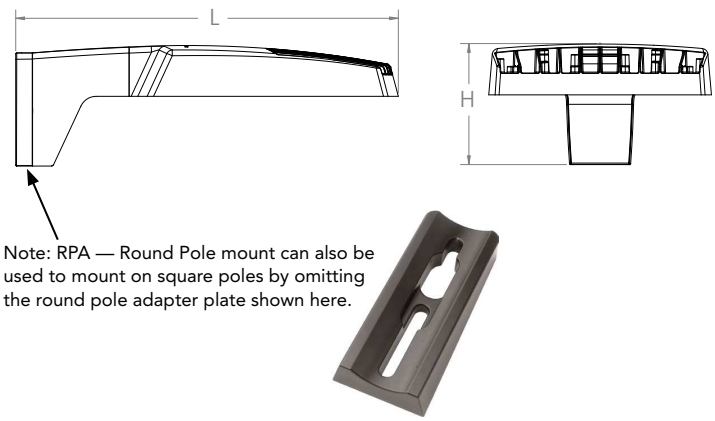
Dimensions & Weights

Luminaire Weight by Mounting Type

Mounting Configuration	Total Luminaire Weight
SPA	22 lbs
RPA	24 lbs
MA	22 lbs
WBA	25 lbs
WBASC	28 lbs
IS	25 lbs
AASP	25 lbs
AARP	27 lbs
AAWB	28 lbs
AAWSC	31 lbs

RSX1 with Round Pole Adapter (RPA)

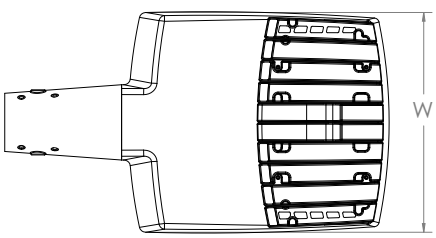


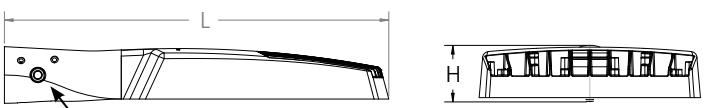


Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

Length: 22.8″ (57.9 cm)
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
7.2″ (18.4 cm) Arm

RSX1 with Mast Arm Adapter (MA)

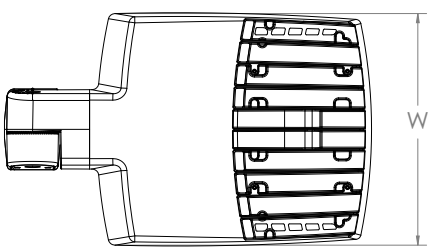


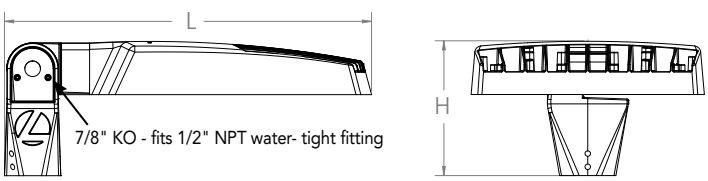


7/16" locking thru bolt/nut provided

Length: 23.2″ (59.1 cm)
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
3.5″ (8.9 cm) Arm

RSX1 with Adjustable Slipfitter (IS)





7/8" KO - fits 1/2" NPT water- tight fitting

Length: 20.7″ (52.7 cm)
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
7.6″ (19.3 cm) Arm

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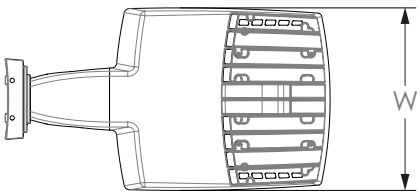
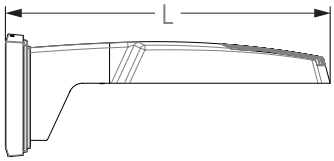
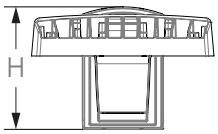
Dimensions

RSX1 with Wall Bracket (WBA)

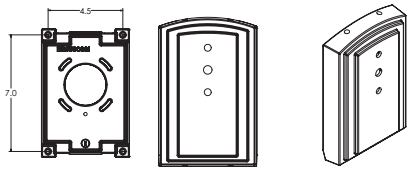




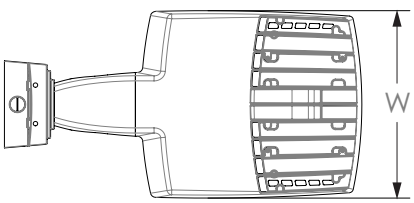


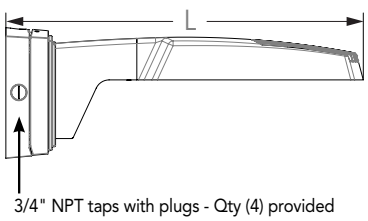
Length: 23.6" (59.9 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail

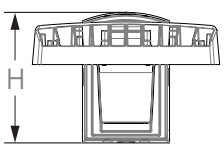


RSX1 with Wall Bracket with Surface Conduit Box (WBASC)



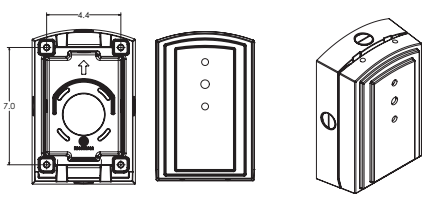


3/4" NPT taps with plugs - Qty (4) provided



Length: 25.3" (64.3 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail



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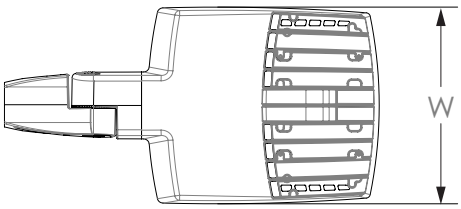
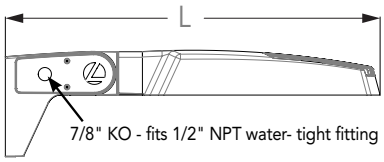
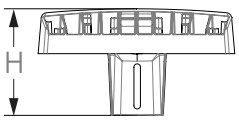
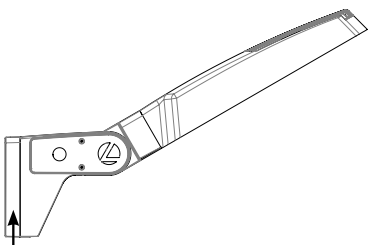
Dimensions

RSX1 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)









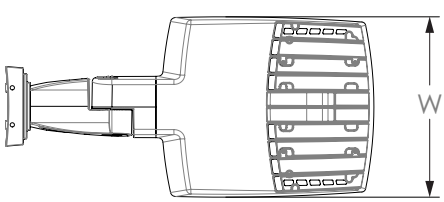
Length: 25.3″ (65.3 cm) **AASP**
26.3″ (66.8 cm) **AARP**
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
7.2″ (18.2 cm) Arm

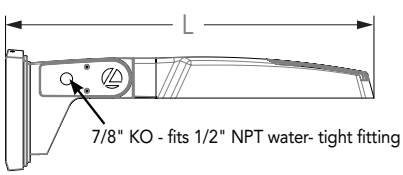
NOTE:
RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

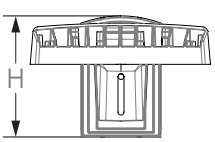


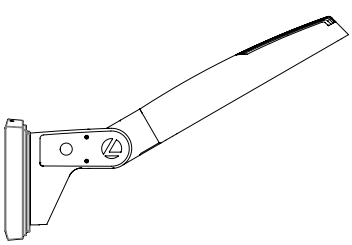
Notes
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.
AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

RSX1 with Adjustable Tilt Arm with Wall Bracket (AAWB)



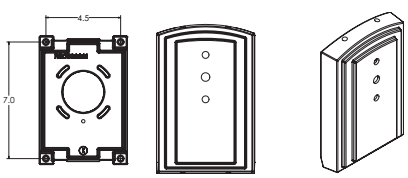






Length: 27.1″ (68.8 cm)
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
8.9″ (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail



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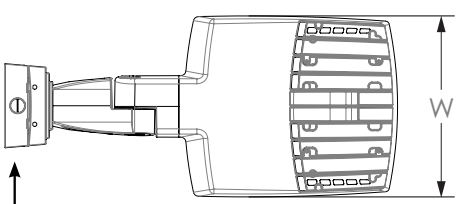
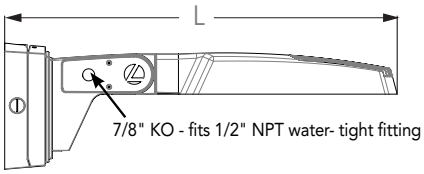
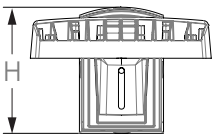
Dimensions

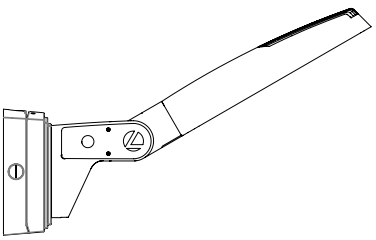
RSX1 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)





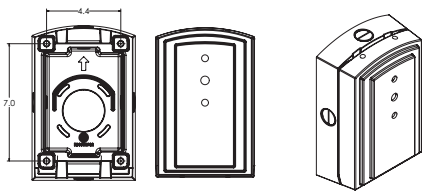


3/4" NPT taps with plugs - Qty (4) provided

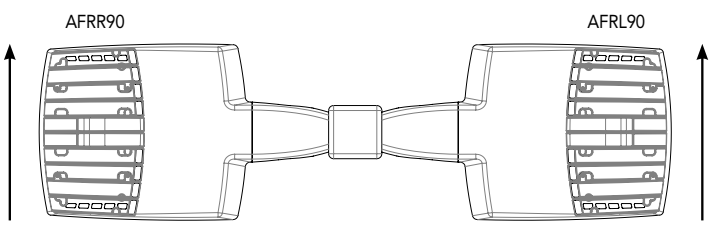


Length: 28.8" (73.2 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail



Automotive Front Row - Rotated Optics (AFRL90/R90)



(Example: 2@180 - arrows indicate direction of light exiting the luminaire)

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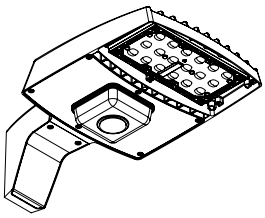
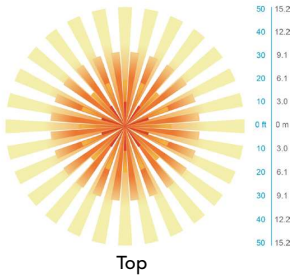
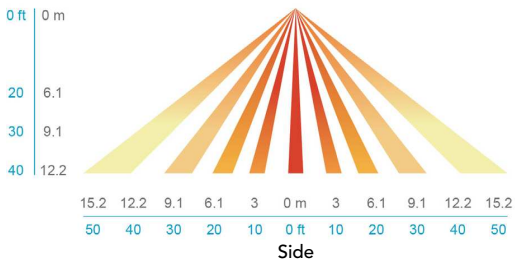
nLight Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern
NLTAIR2 PIRHN





Top



Side

Motion Sensor Default Settings - Option PIRHN						
Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
NLTAIR2 PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: NLTAIR2 PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clairity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is titled.

FEATURES & SPECIFICATIONS

INTENDED USE
The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX1 delivers 7,000 to 17,000 lumens and is ideal for replacing 70W to 400W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION
The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. All mountings are rated for minimum 1.5 G vibration load per ANSI C136.31. 3G Mountings: Include SPA, RPA, MA, IS, AASP, and AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWSC rated for 1.5G vibration.

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 superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warrantied not to crack or peel.

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 apply.

OPTICS
Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row), and AFR rotated AFRR90 and ARFL90.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Fixtures ship standard with 0-10v dimming driver. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS
The RSX 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 with photocontrol functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaries 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 Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. 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 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. U.S. Patent No. D882, 146S

GOVERNMENT PROCUREMENT
BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations. BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to 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

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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LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION —

Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.

GOVERNEMENT PROCUREMENT —
BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

INSTALLATION — **Do not** erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

WARRANTY — 1-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

NOTE: Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

BAA BABA

SSS Square Straight Steel Poles

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 5C DM19 DDBXD

SSS	25 = 25 Feet				
Series	**Nominal fixture mounting height**	**Nominal shaft base size/wall thickness[1]**	**Mounting[2]**	**Options**	**Finish**
SSS	10'-39' (for 1/2 ft increments, add -6 to the pole height. **Ex:** 20-6 equals 20ft 6in.) (See technical information table for complete ordering information.)	4C 4" 11g (0.120") 4G 4" 7g (0.179") 5C 5" 11g (0.120") 5G 5" 7g (0.179") 6G 6" 7g (0.179") (See technical information table for complete ordering information.)	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) KAC/KAD/KSE/KSF/KVR/KVF Drill mounting[3] DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° CSX/DSX/RSX/AERIS™/OMERO™/ KAX Drill mounting[3] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° RAD drill mounting[3] DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM39RAD 3 at 90° DM49RAD 4 at 90° ESX Drill mounting[3] DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	Shipped installed VD Vibration damper[4] HAxy Horizontal arm bracket (1 fixture)[5,6] FDLxy Festoon outlet less electrical[5,7] CPL12/xy 1/2" coupling[5] CPL34/xy 3/4" coupling[5] CPL1/xy 1" coupling[5] NPL12/xy 1/2" threaded nipple[5] NPL34/xy 3/4" threaded nipple[5] NPL1/xy 1" threaded nipple[5] EHHxy Extra handhole[5,8] STLHHC Steel handhole cover (standard is plastic, finish is smooth)[9] FBCSTL2PC 2 Piece steel base cover (standard is plastic)[9] IC Interior coating[10] L/AB Less anchor bolts (Include when anchor bolts are not needed) TP Tamper resistant handhole cover fasteners NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) UL UL listed with label (Includes NEC compliant cover) BAA Buy America(n) Act Compliant[11] VM/original order# Match pole to prior order or project[12]	Super durable paint colors DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DGCXD Charcoal gray DTGXD Tennis green DBRXD Bright red DSBXD Steel blue DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white Other finishes GALV Galvanized finish Architectural colors and special finishes[13] [PAINT] GALV Paint over galvanizing VP30 3 year warranty extension VP53 5 year warranty extension RAL#### Use designated Lithonia Lighting nomenclature in brochure Custom color Nomenclature assigned through Customer Care "Custom Color Process"

NOTES:

1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.120" | "G" - 0.179".
2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, specify as drilling option/tenon option. The combination includes a required extra handhole.
   Example: DM28/T20.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's total height.
   Example: Pole height is 25ft, A provision cannot be placed above 16ft.
5. Specify location and orientation when ordering option.
   For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
   Example: 5ft = 5 and 20ft 3in = 20-3
   For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.
   Example: 1/2" coupling at 5' 8 ", orientation C = CPL12/5-8C
6. Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAxyy.
   Example: HA20BD.
7. FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
8. Combination of tenon-top and drill mount includes extra handhole. EHH includes cover.
9. Plastic hand hole cover and base covers come standard with all poles. Items ship separately. Additional parts can be ordered as replacements.
10. Provides enhanced corrosion resistance. N/A with GALV.
11. Use when mill certifications are required.
12. Must add original order number. Not for replacement parts or post sales issues, contact tech support or post sales teams. VM is used to ensure poles match in appearance exactly from order to order, on a single project site. A common use case would be a multi-phase project with multiple orders.
    Example: VM/010-36784
13. Must be quoted through AQD. Finishes do not require RFA. RAL colors available are shown in "Architectural Colors brochure". Lead times may be extended up to 2 weeks due to paint procurement.

Accessories: *Order as separate catalog number.*

PL DT20	Plugs for ESX drillings
PL DT8	Plugs for DMxxAS drillings
FVD xxFT	Field installed vibration damper (snake style)

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SSS Square Straight Steel Poles

TECHNICAL INFORMATION — EPA (ft^2) with 1.3 gust

Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft^2) with 1.3 gust						Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight	
SSS 10 4C	10	4.0 x 10.0	0.120"	11	30.6	765	23.8	595	18.9	473	75
SSS 12 4C	12	4.0 x 12.0	0.120"	11	24.4	610	18.8	470	14.8	370	90
SSS 14 4C	14	4.0 x 14.0	0.120"	11	19.9	498	15.1	378	11.7	293	100
SSS 16 4C	16	4.0 x 16.0	0.120"	11	15.9	398	11.8	295	8.9	223	115
SSS 18 4C	18	4.0 x 18.0	0.120"	11	12.6	315	9.2	230	6.7	168	125
SSS 20 4C	20	4.0 x 20.0	0.120"	11	9.6	240	6.7	167	4.5	150	140
SSS 20 4G	20	4.0 x 20.0	0.179"	7	14	350	11	275	8	200	198
SSS 20 5C	20	5.0 x 20.0	0.120"	11	17.7	443	12.7	343	9.4	235	185
SSS 20 5G	20	5.0 x 20.0	0.179"	7	28.1	703	21.4	535	16.2	405	265
SSS 25 4C	25	4.0 x 25.0	0.120"	11	4.8	150	2.6	100	1	50	170
SSS 25 4G	25	4.0 x 25.0	0.179"	7	10.8	270	7.7	188	5.4	135	245
SSS 25 5C	25	5.0 x 25.0	0.120"	11	9.8	245	6.3	157	3.7	150	225
SSS 25 5G	25	5.0 x 25.0	0.179"	7	18.5	463	13.3	333	9.5	238	360
SSS 30 4G	30	4.0 x 30.0	0.179"	7	6.7	168	4.4	110	2.6	65	295
SSS 30 5C	30	5.0 x 30.0	0.120"	11	4.7	150	2	50	--	--	265
SSS 30 5G	30	5.0 x 30.0	0.179"	7	10.7	267	6.7	167	3.9	100	380
SSS 30 6G	30	6.0 x 30.0	0.179"	7	19	475	13.2	330	9	225	520
SSS 35 5G	35	5.0 x 35.0	0.179"	7	5.9	150	2.5	100	--	--	440
SSS 35 6G	35	6.0 x 35.0	0.179"	7	12.4	310	7.6	190	4.2	105	540
SSS 39 6G	39	6.0 x 39.0	0.179"	7	7.2	180	3	75	--	--	605

NOTE: EPA values are based ASCE 7-93 wind map.
* For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

TECHNICAL INFORMATION — EPA (ft^2) WITH 3-SECOND GUST PER AASHTO 2013

Series	Mounting Height (ft)*	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approximate ship weight (lbs.)
SSS	10	4C	20	500	16	400	13	325	10.5	263	8.5	213	7	175	6	150	75
SSS	12	4C	16	400	13	325	10	250	8	200	6.5	163	5	125	4	100	90
SSS	14	4C	13.5	338	10	250	7.5	188	6	150	4.5	113	3.5	88	2.5	63	100
SSS	16	4C	10.5	263	7.5	188	5.5	138	4	100	3	75	1.5	38	1	25	115
SSS	18	4C	8	200	5.5	138	4	100	2.5	63	1.5	38	0.5	13	-	-	125
SSS	18	4G	13	325	9.5	238	7	175	5	125	3.5	88	2.5	63	1.5	38	185
SSS	18	5C	13	325	9.5	238	6.5	163	4.5	113	3	75	1.5	38	.5	13	170
SSS	20	4C	6	150	4	100	2.5	63	1	25	-	-	-	-	-	-	140
SSS	20	4G	10.5	263	7.5	188	5.5	138	3.5	88	2	50	1	25			205
SSS	20	5C	10	250	7	175	4.5	113	2.5	63	1	25	-	-	-	-	185
SSS	20	5G	20	500	15	375	11.5	288	8.5	213	6	150	4.5	113	3	75	265
SSS	25	4C	2	50	0.5	13	-	-	-	-	-	-	-	-	-	-	170
SSS	25	4G	5.5	138	3	75	1.5	38	-	-	-	-	-	-	-	-	245
SSS	25	5C	4.5	113	2	50	-	-	-	-	-	-	-	-	-	-	225
SSS	25	5G	12	300	8.5	213	5.5	138	3	75	1.5	38	-	-	-	-	360
SSS	25	6G	19	475	13.5	338	9	225	5.5	138	3	75	1	25			445
SSS	30	4G	1.5	38	-	-	-	-	-	-	-	-	-	-	-	-	291
SSS	30	5C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265
SSS	30	5G	6.5	163	3.5	88	1	25	-	-	-	-	-	-	-	-	380
SSS	30	6G	11	275	6	150	2.5	63	-	-	-	-	-	-	-	-	520
SSS	35	5G	2	50	-	-	-	-	-	-	-	-	-	-	-	-	440
SSS	35	6G	4	100	-	-	-	-	-	-	-	-	-	-	-	-	540
SSS	39	6G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	605

NOTE: AASHTO 2013 criteria is the most conservative existing EPA calculation. For poles not showing EPA values under AASHTO 2013, EPA values may exist under commercial criteria (see table above).

*For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

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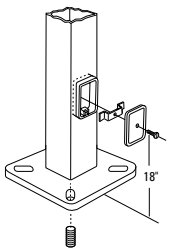
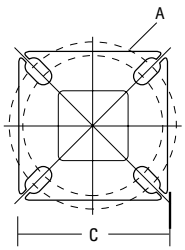
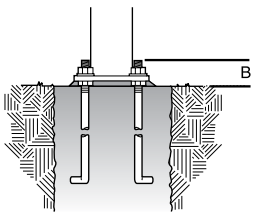
SSS Square Straight Steel Poles

BASE DETAIL



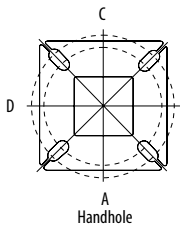




ANCHORAGE AND TEMPLATE INFORMATION

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Base plate thickness	Template description	Anchor bolt description	Bolt size (in. x in. x in.)	Anchor bolt and template description
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	3/4 x 18 x 3	ABSSS-4C
4"G	8" – 9"	3.38"- 3.75"	8"- 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	3/4 x 30 x 3	ABSSS-4G
5"	10" – 12"	3.5"- 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	1 x 36 x 4	ABSSS-5
6"	11" – 13"	4"- 4.50"	12.5"	1"	ABTEMPLATE PJ50011	AB36-0	1 x 36 x 4	N/A

HANDHOLE ORIENTATION



Default DM19 is on side B.

IMPORTANT INSTALLATION NOTES:

- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.
- Bolt circles have +/- 1/2" tolerance.

CAUTION: These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

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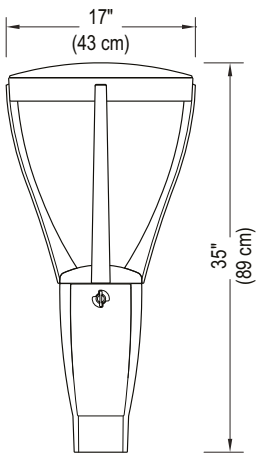
cyclone

Azalea CLE17T4D
Approval – Specification

Project: **Order:**

Qty: **Luminaire:** **Type:**



Frame and fitter module: Round shape, cast A356 aluminum monobloc that includes the four (4) arms and the upper ring welded to the base module. The base is self-leveling and restrained using (4) 3/8-16 UNC set screws. It fits on a tenon of 4" (10cm) outer diameter by 3" (7cm) long.

Door module: Made of cast A356 aluminum. The opening system allows access to the connector block (18-6 AWG) and to the driver module.

Head module: Made of molded A356 aluminum, round shape, it's mechanically secured to the heat sink.

Optical module: The molded A384.0-F aluminum heat sink is designed to minimize the temperature of the LEDs, increasing their longevity and efficiency. The high efficiency Orion LED optical engine is mechanically assembled on the heat sink. The optical lenses are cured directly on the LED board and offer an IP66 ingress protection rating. The lifetime of the LEDs is 100,000 hours. It is based on the LM-80 test and extrapolated with TM-21. This data is calculated when 50% of the LEDs produce 70% of their initial luminous flux (L70). The minimum color rendering index (CRI) is 70. The optical lenses are made of acrylic and designed to illuminate only where needed while achieving excellent uniformity with maximum spacing. Produce 0% uplight. The combination of two distribution types (backward optics) is also available in the same optical module. Tempered clear (FCG) or frosted (FGF) flat glass lenses are attached to a cast aluminum frame. With the No Lens (NL) option, a white decorative acrylic protection plate is mechanically assembled under the optical module. The available light distribution types are T1, T1A, T1AHS, T2, T2HS, T2M, T2MHS, T3, T3HS, T3M, T3MHS, T4, T4HS, T5.

Driver: Class 1 (P70 to P110) or Class 2 (P10 to P60). Primary tension is of 120 to 480VAC Volts, 50/60Hz, THD max 20% with a high-power factor of 90%. Operating temperature is -40°F (-40°C) to 113°F (45°C). The regulator offers an output of 0-10 Volts and is ROHS compliant. Assembled with pull-out connectors. Complete with 10kV/5kA or 20 kV/10kA tripolar surge protection for live-MALT, live-neutral and neutral-MALT lines according to IEEE/ANSI C62.41 2002 C.

Wiring / Hardware: Type TEWT 14-7 AWG, 12" (30.5cm) minimum exceeding luminaire. All electrical connections between the modules are provided with quick-disconnect connectors for easy maintenance. All outside accessible hardware is made of 304 stainless steel.

Color: All Cyclone colors are available in textured (TX) or smooth (SM) finish. A durable polyester powder coating is applied and meets the AAMA 2604 requirements (5 years exposure to all weather conditions). The finish meets the ASTM G7, B117, D1654 and D2247 requirements relative to salt spray and humidity resistance. **Cyclone recommends a textured finish for this product**.

EPA: 0.73 ft^2 **Weight:** 36.2 lbs / 16.4 kg

Warranty: 5-year limited warranty. Complete warranty terms located at:
http://www.cyclonelighting.com/assets/Legal/Cyclone-Sales-TermsConditions-en.pdf

Stamp/Approval:

Name: **Date:**

Name:

Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 **www.cyclonelighting.com**
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2024 Acuity Brands Lighting, Inc. All Rights Reserved.

cyclone

Azalea CLE17T4D
Approval – Specification

Project: **Order:**

Qty: **Luminaire:** **Type:**

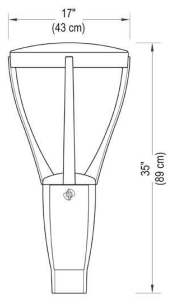
Ordering Code

Model	Lens	Distribution	Performance package	CCT	Volts	Surge protector
CLE17T4D	**FGC** Flat Glass Clear **FGF** Flat Glass Frosted **NL** No Lens	**T1** Type 1 **T1A** Type 1A **T1AHS** Type 1A with HS **T2** Type 2 **T2HS** Type 2 with HS **T2M** Type 2M **T2MHS** Type 2M with HS **T3** Type 3 **T3HS** Type 3 with HS **T3M** Type 3M **T3MHS** Type 3M with HS **T4** Type 4 **T4HS** Type 4 with HS **T5** Type 5 * Backward optic	**P10** (2900lm) **P20** (4200lm) **P30** (5400lm) **P40** (6600lm) **P50** (7500lm) **P60** (10100lm) **P70** (13100lm) **P80** (14800lm)	**30K** 3000K **40K** 4000K	**MVOLT** 120-277VAC **HVOLT** 347-480VAC **120** **208** **240** **277** **347** **480**	**10KV** 10kV/5kA **20KV** 20kV/10kA

Reducer	Photocell	Dimming	Color	Texture	Pre-finish
			STD = Specify		
– Fits Ø 4" (10cm) X 3" (7.5cm) long tenon **R28** Reducer Ø 4" (10cm) Ø to 2 7/8" (7cm) Ø x 3" (7.5cm) long tenon **R30** Reducer Ø 4" (10cm) Ø to 3" (7.5cm) Ø x 3" (7.5cm) long tenon	– **PT** Photocell W/7-PIN receptacle (ANSI C136.41) **PX** Shorting CAP W/7-PIN receptacle (ANSI C136,41) **PTL** Long life photocell W/7-PIN receptacle (ANSI C136.41) **PTDR** 7-PIN receptacle (ANSI C136.41) **PTDRE** 7-PIN receptacle, fixed on top of the fitter (ANSI C136.41) **DMBK** Receptacle cap for PTDR Black only	– **DIM** 0-10 volts wire for external controls **PND506** Program 50% for 6 hours (9PM to 5AM) **PND508** Program 50% for 8 hours (11PM to 5AM) **SD** Field adjustable 10% increment step-dimming switch	**BK** Black RAL9005 **DG** Dark green RAL6012 **MA** Marine blue RAL5013 **SI** Metallic silver RAL9006 (Smooth only) **BZ** Dark bronze RAL8019 **BG** Burgundy RAL3005 **GM** Moss green RAL6005 **PG** Pale grey RAL7040 **WH** White RAL9003 **BKH*** Black Holophane **BZH*** Dark bronze Holophane **GNH*** Green Holophane **GHH*** Graphite Holophane **GRH*** Gray Holophane **SLH*** Silver Holophane **WHH*** White Holophane * Holophane colors are only available in Smooth (SM) finish.	**TX** Textured **SM** Smooth	– **MG** Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

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. Please consult our web site for up-to-date product information and IES files.



EPA: 0.73 ft² **Weight:** 36.2 lbs / 16.4 kg

Stamp/Approval:

Name: **Date:**

Name:

Date:

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Photometric Data Tables

Azalea - CLE17T4D-NL (No Lens)

			30K					40K					LLD @ 25C			
Performance Package	**Watts System**	**Optic**	**Lumen Output**	**Efficacy (LM/W)**	**B**	**U**	**G**	**Lumen Output**	**Efficacy (LM/W)**	**B**	**U**	**G**	**25K Hours**	**50K Hours**	**75K Hours**	**100K Hours**
P10	22.8	T1	2805	123	1	0	1	2945	129	1	0	1	0.98	0.98	0.97	0.97
		T1A	2704	119	1	0	1	2839	125	1	0	1				
		T2	2619	115	1	0	1	2750	121	1	0	1				
		T2M	2643	116	1	0	1	2775	122	1	0	1				
		T3	2689	118	1	0	1	2823	124	1	0	1				
		T3M	2678	117	1	0	1	2812	123	1	0	1				
		T4	2705	119	1	0	1	2840	125	1	0	1				
		T5	2848	125	2	0	1	2990	131	2	0	1				
P20	33.4	T1	4010	120	2	0	1	4211	126	2	0	1	0.98	0.98	0.97	0.97
		T1A	3866	116	1	0	1	4059	122	1	0	1				
		T2	3744	112	1	0	1	3931	118	1	0	1				
		T2M	3779	113	1	0	1	3968	119	1	0	1				
		T3	3844	115	1	0	1	4036	121	1	0	1				
		T3M	3829	115	1	0	1	4020	120	1	0	1				
		T4	3867	116	1	0	1	4060	122	1	0	1				
		T5	4071	122	2	0	1	4275	128	2	0	1				
P30	43.8	T1	5172	118	2	0	2	5431	124	2	0	2	0.98	0.98	0.97	0.97
		T1A	4985	114	2	0	1	5234	120	2	0	1				
		T2	4829	110	1	0	1	5070	116	1	0	1				
		T2M	4874	111	1	0	1	5118	117	1	0	1				
		T3	4957	113	1	0	1	5205	119	1	0	1				
		T3M	4938	113	1	0	1	5185	118	1	0	1				
		T4	4987	114	1	0	2	5236	120	1	0	2				
		T5	5251	120	3	0	1	5514	126	3	0	1				
P40	55.1	T1	6290	114	2	0	2	6605	120	2	0	2	0.98	0.98	0.97	0.97
		T1A	6063	110	2	0	2	6366	116	2	0	2				
		T2	5873	107	1	0	1	6167	112	1	0	1				
		T2M	5927	108	1	0	1	6223	113	1	0	1				
		T3	6029	109	1	0	1	6330	115	1	0	1				
		T3M	6006	109	1	0	1	6306	114	1	0	1				
		T4	6065	110	1	0	2	6368	116	1	0	2				
		T5	6386	116	3	0	1	6705	122	3	0	1				
P50	63.5	T1	7174	113	2	0	2	7533	119	2	0	2	0.98	0.98	0.97	0.97
		T1A	6915	109	2	0	2	7261	114	2	0	2				
		T2	6699	105	1	0	1	7034	111	1	0	1				
		T2M	6761	106	2	0	1	7099	112	2	0	1				
		T3	6877	108	1	0	2	7221	114	1	0	2				
		T3M	6850	108	2	0	2	7193	113	2	0	2				
		T4	6918	109	1	0	2	7264	114	1	0	2				
		T5	7283	115	3	0	1	7647	120	3	0	1				
P60	85.3	T1	9578	112	3	0	3	10057	118	3	0	3	0.98	0.98	0.97	0.97
		T1A	9233	108	2	0	2	9695	114	2	0	2				
		T2	8944	105	1	0	1	9391	110	1	0	1				
		T2M	9027	106	2	0	2	9478	111	2	0	2				
		T3	9182	108	1	0	2	9641	113	1	0	2				
		T3M	9146	107	2	0	2	9603	113	2	0	2				
		T4	9236	108	1	0	2	9698	114	1	0	2				
		T5	9725	114	3	0	2	10211	120	3	0	2				
P70	110.9	T1	12468	112	3	0	3	13091	118	3	0	3	0.98	0.98	0.97	0.97
		T1A	12019	108	3	0	3	12620	114	3	0	3				
		T2	11643	105	2	0	2	12225	110	2	0	2				
		T2M	11750	106	2	0	2	12338	111	2	0	2				
		T3	11952	108	2	0	2	12550	113	2	0	2				
		T3M	11906	107	2	0	2	12501	113	2	0	2				
		T4	12023	108	2	0	3	12624	114	2	0	3				
		T5	12659	114	4	0	2	13292	120	4	0	2				
P80	129.7	T1	14108	109	3	0	3	14813	114	3	0	3	0.98	0.98	0.97	0.97
		T1A	13600	105	3	0	3	14280	110	3	0	3				
		T2	13174	102	2	0	2	13833	107	2	0	2				
		T2M	13296	103	2	0	2	13961	108	2	0	2				
		T3	13524	104	2	0	2	14200	109	2	0	2				
		T3M	13472	104	2	0	2	14146	109	2	0	2				
		T4	13604	105	2	0	3	14284	110	2	0	3				
		T5	14323	110	4	0	2	15039	116	4	0	2				

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.

Lumen ratio for different CCT

PC Amber	2200K	2700K	3000K	4000K	5000K
0.6	0.75	0.95	0.95	1.00	1.00

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Photometric Data Tables

Azalea - CLE17T4D-FGC (Flat Glass Clear)

			30K					40K					LLD @ 25C			
Performance Package	Watts System	Optic	Lumen Output	Efficacy (LM/W)	B	U	G	Lumen Output	Efficacy (LM/W)	B	U	G	25K Hours	50K Hours	75K Hours	100K Hours
P10	22.8	T1	2481	109	1	0	1	2605	114	1	0	1	0.98	0.98	0.97	0.97
		T1A	2432	107	1	0	1	2554	112	1	0	1				
		T2	2343	103	1	0	0	2460	108	1	0	0				
		T2M	2317	102	1	0	1	2433	107	1	0	1				
		T3	2320	102	1	0	1	2436	107	1	0	1				
		T3M	2389	105	1	0	1	2508	110	1	0	1				
		T4	2219	97	1	0	1	2330	102	1	0	1				
		T5	2404	105	1	0	1	2524	111	1	0	1				
P20	33.4	T1	3547	106	1	0	1	3724	112	1	0	1	0.98	0.98	0.97	0.97
		T1A	3477	104	1	0	1	3651	109	1	0	1				
		T2	3350	100	1	0	1	3518	105	1	0	1				
		T2M	3312	99	1	0	1	3478	104	1	0	1				
		T3	3316	99	1	0	1	3482	104	1	0	1				
		T3M	3415	102	1	0	1	3586	107	1	0	1				
		T4	3172	95	1	0	1	3331	100	1	0	1				
		T5	3436	103	2	0	1	3608	108	2	0	1				
P30	43.8	T1	4575	104	2	0	1	4804	110	2	0	1	0.98	0.98	0.97	0.97
		T1A	4484	102	2	0	1	4708	107	2	0	1				
		T2	4320	99	1	0	1	4536	104	1	0	1				
		T2M	4271	98	1	0	1	4485	102	1	0	1				
		T3	4277	98	1	0	1	4491	103	1	0	1				
		T3M	4404	101	1	0	1	4624	106	1	0	1				
		T4	4091	93	1	0	1	4296	98	1	0	1				
		T5	4432	101	2	0	1	4654	106	2	0	1				
P40	55.1	T1	5564	101	2	0	2	5842	106	2	0	2	0.98	0.98	0.97	0.97
		T1A	5453	99	2	0	1	5726	104	2	0	1				
		T2	5254	95	1	0	1	5517	100	1	0	1				
		T2M	5195	94	1	0	1	5455	99	1	0	1				
		T3	5201	94	1	0	1	5461	99	1	0	1				
		T3M	5356	97	1	0	1	5624	102	1	0	1				
		T4	4975	90	1	0	1	5224	95	1	0	1				
		T5	5390	98	2	0	1	5660	103	2	0	1				
P50	63.5	T1	6346	100	2	0	2	6663	105	2	0	2	0.98	0.98	0.97	0.97
		T1A	6220	98	2	0	1	6531	103	2	0	1				
		T2	5992	94	1	0	1	6292	99	1	0	1				
		T2M	5925	93	2	0	1	6221	98	2	0	1				
		T3	5932	93	1	0	1	6229	98	1	0	1				
		T3M	6109	96	2	0	1	6414	101	2	0	1				
		T4	5675	89	1	0	2	5959	94	1	0	2				
		T5	6148	97	3	0	1	6455	102	3	0	1				
P60	85.3	T1	8473	99	2	0	2	8897	104	2	0	2	0.98	0.98	0.97	0.97
		T1A	8304	97	2	0	2	8719	102	2	0	2				
		T2	8001	94	1	0	1	8401	98	1	0	1				
		T2M	7911	93	2	0	1	8307	97	2	0	1				
		T3	7921	93	1	0	2	8317	98	1	0	2				
		T3M	8157	96	2	0	2	8565	100	2	0	2				
		T4	7577	89	1	0	2	7956	93	1	0	2				
		T5	8208	96	3	0	1	8618	101	3	0	1				
P70	110.9	T1	11030	99	3	0	3	11582	104	3	0	3	0.98	0.98	0.97	0.97
		T1A	10810	97	3	0	2	11351	102	3	0	2				
		T2	10415	94	2	0	1	10936	99	2	0	1				
		T2M	10298	93	2	0	2	10813	98	2	0	2				
		T3	10311	93	2	0	2	10827	98	2	0	2				
		T3M	10618	96	2	0	2	11149	101	2	0	2				
		T4	9863	89	2	0	2	10356	93	2	0	2				
		T5	10685	96	3	0	2	11219	101	3	0	2				
P80	129.7	T1	12480	96	3	0	3	13104	101	3	0	3	0.98	0.98	0.97	0.97
		T1A	12232	94	3	0	2	12844	99	3	0	2				
		T2	11784	91	2	0	2	12373	95	2	0	2				
		T2M	11652	90	2	0	2	12235	94	2	0	2				
		T3	11667	90	2	0	2	12250	94	2	0	2				
		T3M	12015	93	2	0	2	12616	97	2	0	2				
		T4	11160	86	2	0	2	11718	90	2	0	2				
		T5	12090	93	3	0	2	12695	98	3	0	2				

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.

Lumen ratio for different CCT

PC Amber	2200K	2700K	3000K	4000K	5000K
0.6	0.75	0.95	0.95	1.00	1.00

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Photometric Data Tables

Azalea - CLE17T4D-FGF (Flat Glass Frosted)

			30K					40K					LLD @ 25C			
Performance Package	Watts System	Optic	Lumen Output	Efficacy (LM/W)	B	U	G	Lumen Output	Efficacy (LM/W)	B	U	G	25K Hours	50K Hours	75K Hours	100K Hours
P10	22.8	T1	2438	107	1	0	1	2560	112	1	0	1	0.98	0.98	0.97	0.97
		T1A	2401	105	1	0	1	2521	111	1	0	1				
		T2	2263	99	1	0	1	2376	104	1	0	1				
		T2M	2339	103	1	0	1	2456	108	1	0	1				
		T3	2224	98	1	0	1	2335	102	1	0	1				
		T3M	2208	97	1	0	1	2318	102	1	0	1				
		T4	2183	96	1	0	1	2292	101	1	0	1				
		T5	2260	99	1	0	1	2373	104	1	0	1				
P20	33.4	T1	3485	104	1	0	1	3659	110	1	0	1	0.98	0.98	0.97	0.97
		T1A	3433	103	1	0	1	3605	108	1	0	1				
		T2	3235	97	1	0	1	3397	102	1	0	1				
		T2M	3344	100	1	0	1	3511	105	1	0	1				
		T3	3179	95	1	0	1	3338	100	1	0	1				
		T3M	3156	94	1	0	1	3314	99	1	0	1				
		T4	3120	93	1	0	1	3276	98	1	0	1				
		T5	3230	97	1	0	1	3392	102	1	0	1				
P30	43.8	T1	4494	103	2	0	1	4719	108	2	0	1	0.98	0.98	0.97	0.97
		T1A	4427	101	1	0	1	4648	106	1	0	1				
		T2	4172	95	1	0	1	4381	100	1	0	1				
		T2M	4313	98	1	0	1	4529	103	1	0	1				
		T3	4100	94	1	0	1	4305	98	1	0	1				
		T3M	4070	93	1	0	1	4274	98	1	0	1				
		T4	4024	92	1	0	1	4225	96	1	0	1				
		T5	4166	95	2	0	1	4374	100	2	0	1				
P40	55.1	T1	5466	99	2	0	2	5739	104	2	0	2	0.98	0.98	0.97	0.97
		T1A	5384	98	2	0	1	5653	103	2	0	1				
		T2	5074	92	1	0	1	5328	97	1	0	1				
		T2M	5245	95	2	0	1	5507	100	2	0	1				
		T3	4987	91	2	0	1	5236	95	1	0	1				
		T3M	4950	90	1	0	1	5198	94	2	0	1				
		T4	4894	89	1	0	1	5139	93	1	0	1				
		T5	5067	92	2	0	1	5320	97	2	0	1				
P50	63.5	T1	6234	98	2	0	2	6546	103	2	0	2	0.98	0.98	0.97	0.97
		T1A	6141	97	2	0	1	6448	102	2	0	1				
		T2	5787	91	2	0	1	6076	96	2	0	1				
		T2M	5983	94	2	0	1	6282	99	2	0	1				
		T3	5688	90	2	0	1	5972	94	2	0	1				
		T3M	5646	89	2	0	1	5928	93	2	0	1				
		T4	5582	88	2	0	1	5861	92	2	0	1				
		T5	5779	91	2	0	1	6068	96	2	0	1				
P60	85.3	T1	8324	98	2	0	2	8740	102	2	0	2	0.98	0.98	0.97	0.97
		T1A	8200	96	2	0	2	8610	101	2	0	2				
		T2	7727	91	2	0	2	8113	95	2	0	2				
		T2M	7988	94	2	0	2	8387	98	2	0	2				
		T3	7594	89	2	0	2	7974	93	2	0	2				
		T3M	7538	88	2	0	2	7915	93	2	0	2				
		T4	7453	87	2	0	2	7826	92	2	0	2				
		T5	7716	90	3	0	2	8102	95	3	0	2				
P70	110.9	T1	10835	98	3	0	3	11377	103	3	0	3	0.98	0.98	0.97	0.97
		T1A	10674	96	3	0	2	11208	101	3	0	2				
		T2	10058	91	2	0	2	10561	95	2	0	2				
		T2M	10398	94	2	0	2	10918	98	2	0	2				
		T3	9885	89	2	0	2	10379	94	2	0	2				
		T3M	9813	88	2	0	2	10304	93	2	0	2				
		T4	9702	87	2	0	2	10187	92	2	0	2				
		T5	10044	91	3	0	2	10546	95	3	0	2				
P80	129.7	T1	12260	95	3	0	3	12873	99	3	0	3	0.98	0.98	0.97	0.97
		T1A	12078	93	3	0	2	12682	98	3	0	2				
		T2	11381	88	2	0	2	11950	92	2	0	2				
		T2M	11766	91	2	0	2	12354	95	2	0	2				
		T3	11185	86	2	0	2	11744	91	2	0	2				
		T3M	11103	86	2	0	2	11658	90	2	0	2				
		T4	10978	85	2	0	2	11527	89	2	0	2				
		T5	11365	88	3	0	2	11933	92	3	0	2				

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.

Lumen ratio for different CCT

PC Amber	2200K	2700K	3000K	4000K	5000K
0.6	0.75	0.95	0.95	1.00	1.00

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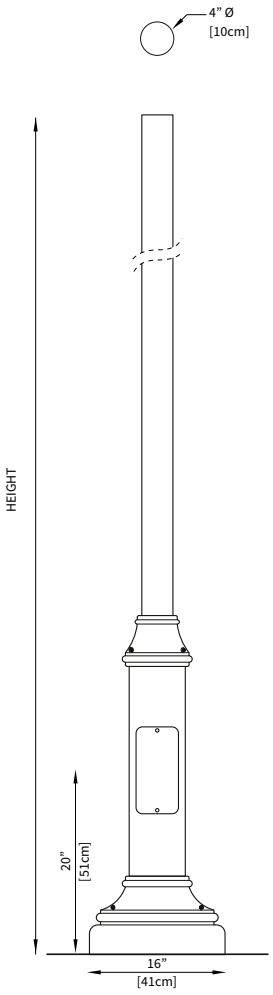
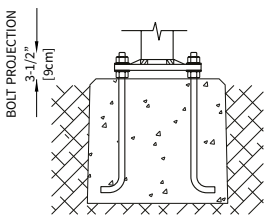
PM40 / PM42 - 4 ” Ø MUFFLER POLE, ALUMINUM
AASHTO 2013 Standard







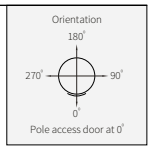
Bolt Circle: 11-1/2” (29cm) Ø
Accepts: 9-1/2” to 12-1/2” Ø (24 to 32cm) Ø

Pole with Anchor Plate, supplied with galvanized anchor bolts, nuts & washers.

SERIES	HEIGHT[1]	MOUNTING	ADAPTOR	OPTIONS**	BANNER PROVISION HOLES* Configuration	Banner position from ground[4]	Top Banner Height[5]	Orientation	COLOR***	FINISH	MG
	12								STD = Specify		
PM40	8’ to 18’	–	–	–	–	Starting at 96”	24	–	BG	TX	–
PM42	8’ to 20’	INS	APC[6]	DU	BHS[2]		30	A (0°)	BK	SM	MG
		TN32		GFI	BHD[3]		36	B (90°)	BZ		
		TN33		GFIC1			42	C (180°)	DG		
				GFIC2			48	D (270°)	GM		
				FU1					MA		
				FU2					PG		
				TP					SI		
									WH		

* Only necessary with banner(s)
** For multiple options selection, please contact factory.
*** Holophane colors also available. Please contact factory.

1 - Available in 0.5’ increments
2 - BHS - Banner provision for single banner
3 - BHD - Banner provision for double banners
4 - Available in 1” increments
5 - Top Banner height from bottom banner
6 - Sensors & controls pole adaptor, suitable for 3/4” NPT connectors. Minimum height installion 8’ from the ground



POLE
Round, 4” (10cm) Ø, 6061-T6 aluminum shaft, welded to a 6-5/8” (17cm) Ø base. The assembly is welded to both the top and bottom of a cast aluminum reinforced anchor plate. Handhole 4” x 9” (10cm x 23cm) with weatherproof cover and copper ground lug.

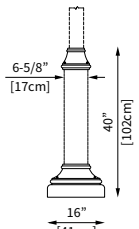
EPA

SERIES	HEIGHT		WALL THICKNESS		WEIGHT		EPA RATING (sq.ft)						ANCHOR BOLTS
	ft	m	in	mm	lbs	kg	80mph	90mph	100mph	110mph	120mph	150mph	in
PM40	8	2.44	0.125	3.2	19.13	8.68	9.75	7.70	6.25	5.13	4.33	2.81	3/4-20
PM42	8	2.44	0.226	5.7	26.46	12.00	15.03	12.01	9.62	8.00	6.75	4.27	3/4-20
PM40	10	3.05	0.125	3.2	22.86	10.37	7.81	6.08	4.94	4.05	3.37	2.13	3/4-20
PM42	10	3.05	0.226	5.7	33.03	14.98	12.17	9.62	7.70	6.32	5.33	3.37	3/4-20
PM40	12	3.66	0.125	3.2	26.59	12.06	6.32	4.87	3.90	3.16	2.56	1.60	3/4-20
PM42	12	3.66	0.226	5.7	39.60	17.96	10.13	7.81	6.32	5.13	4.21	2.66	3/4-20
PM40	13	3.96	0.125	3.2	28.45	12.90	5.70	4.39	3.42	2.74	2.25	1.35	3/4-20
PM42	13	3.96	0.226	5.7	42.89	19.45	9.13	7.11	5.62	4.56	3.75	2.37	3/4-20
PM40	14	4.27	0.125	3.2	30.32	13.75	5.20	4.00	3.08	2.40	1.92	1.15	3/4-20
PM42	14	4.27	0.226	5.7	46.17	20.94	8.55	6.59	5.20	4.21	3.37	2.10	3/4-20
PM40	15	4.57	0.125	3.2	32.19	14.60	3.85	2.66	1.87	1.25	-	-	3/4-20
PM42	15	4.57	0.226	5.7	49.46	22.43	6.94	5.13	3.80	2.88	2.25	1.25	3/4-20
PM40	16	4.88	0.125	3.2	34.05	15.44	3.29	2.25	1.50	-	-	-	3/4-20
PM42	16	4.88	0.226	5.7	52.74	23.92	6.17	4.50	3.29	2.40	1.77	-	3/4-20
PM40	18	5.49	0.125	3.2	37.78	17.14	2.37	1.40	-	-	-	-	1-36
PM42	18	5.49	0.226	5.7	59.31	26.90	4.81	3.37	2.37	1.58	1.05	-	1-36
PM42	20	6.10	0.226	5.7	65.88	29.88	3.75	2.40	1.50	-	-	-	1-36

– *EPAs values calculated following AASHTO 2013 Standard.*
– *EPA ratings refer to POST TOP applications only. For other configurations consult factory.*
– *EPA ratings for aluminium poles do not include added EPA strength modifying treatments. For added T6-Heat treated aluminium pole results consult factory.*

* Do not erect pole without the intended loading attached to avoid wind-induced vibration. Luminaires must be attached to pole when installed.

BASE COVERS
BM11 is shown with the pole.
For all models available, see “Base Cover” section on page 31.



BM11

OUTDOOR LIGHTING

Date:	**Approved:**
Type:	
Luminaire:	
Project:	

FCSL2040



FCSL2040 13" exterior die-cast aluminum step light with heavy walled die-cast faceplate, for masonry or drywall construction. IP68 rated for damp, dry or wet locations. Up to 128 lumens per Watt.

SPECIFICATIONS

PHYSICAL

dimensions	13" W x 4.5" H x 3.9" D
weight	5 lbs
housing	Marine grade, corrosion resistant, heavy walled, high pressure, die-cast aluminum with snap-in Screwless faceplate standard. Optional captive recessed stainless steel tamper resistant screws (TRS option). Back Box is high strength, black Polycarbonate with UV protection (UL 746C rated f1) and flame rated (UL94 5VA).
lens	Clear, low iron tempered glass lens. Diffused internal reflector
mounting	Concrete pour, masonry, solid composite, special construction, and drywall construction mounting kit included. Hanger bar mounting optional.
ingress protection	Optical / driver unit is IP68 rated dry, damp or wet locations. All seals are injection molded silicone.
faceplate finish	Die cast aluminum faceplate. Six stage chemical iron phosphate conversion pre-treatment. Polyester powder coat finish, 18 µm minimum thickness, 5,000 hour salt spray test (ASTM B117) compliant with Florida, AAMA 2604 specification.

PERFORMANCE

color	2700K, 3000K, 3500K, 4000K, 5000K, Amber, Red, Blue
lifetime	L70 > 70,000 hours
color consistency	3 SDCM, 85 CRI (White Light)
operating temperature	-13°F to 104°F (-30°C to 40°C)
warranty	5-Year limited warranty (refer to website for details)

ELECTRICAL

input voltage	Universal 120 - 277 VAC
power supply	Integral, electronic high-power factor > 94% @ 120V, THD of ≤ 20%
standards	cETLus
power consumption	14W (1037 lm), 6W (785 lm), 4W (466 lm)
dimming	optional: TRIAC dimming (120V only), 0-10V dimming (1% minimum)

Due to continuous development and improvements, specifications are subject to change without notice. FC Lighting reserves the right to change lab test details or specifications without notice. Product use certifies agreement to FC Lighting terms and conditions.

FCSL2040



Ordering Information

PART NUMBER

FCSL2040 — STD FINISH = Specify

MODEL	VOLTAGE	CCT		CRI	LUMENS	FINISH	OPTIONS
FCSL2040	UNV 120 - 277 VAC	White Light	Mono Color	CRI85 [2] 85 CRI	5L [2] 466 lm (4W)	BKE Black	LD [2] 0-10V Dimming - 1% minimum
	120V [1] 120 VAC	27K 2700K	AMB Amber >560nm (14W)		8L [2] 785 lm (6W)	BRE Bronze	ET TRIAC Dimming (120V only)
		3K 3000K	RED Red (14W)		10L [2] 1037 lm (14W)	GRE Graphite Grey	TRS Tamper Resistant Screws (Torx Pin)
		35K 3500K	BLU Blue (14W)			SLE Silver	HB Hanger Bar (Drywall Mounting)
		4K 4000K				WHE White	LBB [3] Less Back Box - for shipment separate of Back Box
		5K 5000K				CCE Custom Color	

Footnote:
1 For ET option.
2 For White Light. Does not apply to Mono Color.
3 Luminaire must be mounted into FC Lighting supplied Back Box shipped with or separate of luminaire.

BACK BOX KITS

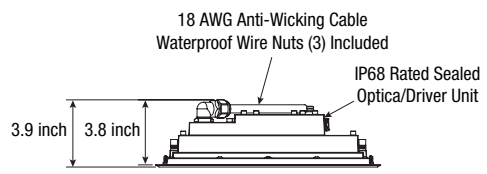
A2000-BB-ETL	Back Box Kit - Complete Back Box shipped with mounting kit, shipped in advance of luminaire.
A2000-BB-ETL-HB	Back Box Kit w/ Hanger Bar - Includes (#A2000-BB-ETL) Complete Back Box shipped with mounting kit and Hanger Bar (**HB**), shipped in advance of luminaire.

PRODUCT DIMENSIONS

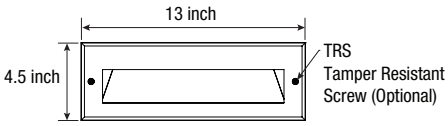
width	13" W
height	4.5" H
depth	3.9" D

MOUNTING

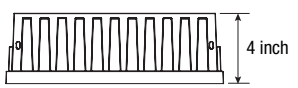
back box width	12.6" W
back box height	4" H
back box depth	4" D

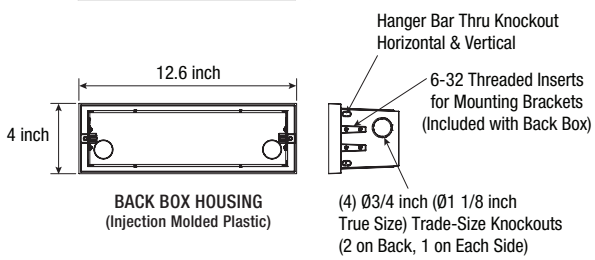


SIDE VIEW



FRONT VIEW





BACK BOX HOUSING
(Injection Molded Plastic)

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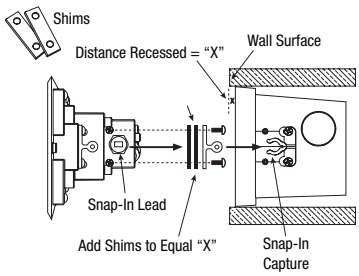
FCSL2040



Back Box Assemblies and Options

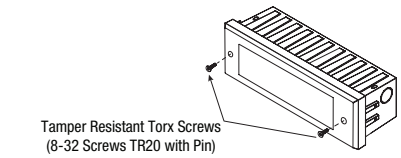
SHIMS - (8 each) Included with Luminaire

Shims provided to compensate for Back Box misalignment



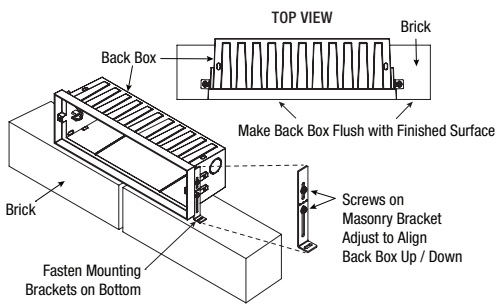
OPTIONAL — Tamper Resistant Screws (TRS)

Torx screws with pin, finished to compliment faceplate finish

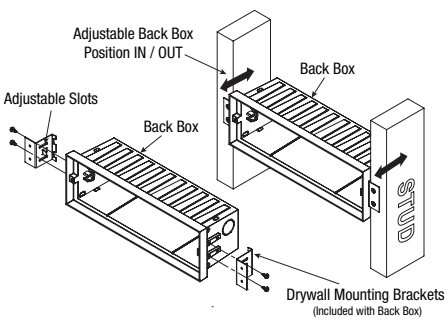


Note: Tighten to 18 in-lbs

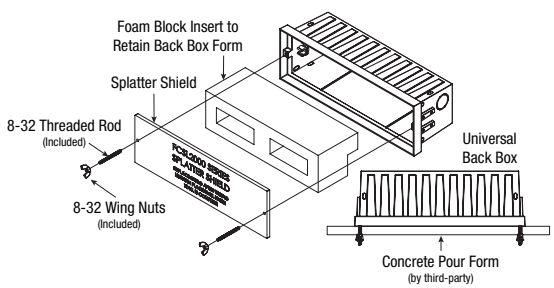
MASONRY BRACKETS — Included with Black Box Kit



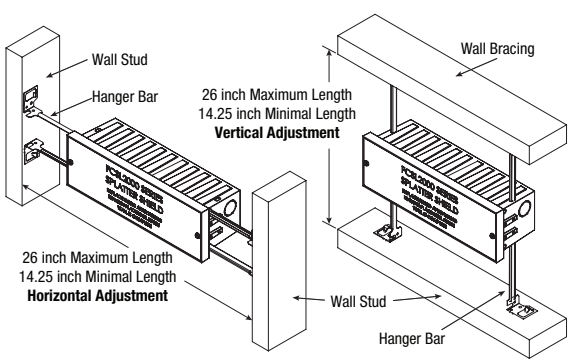
DRYWALL BRACKETS — Included with Black Box Kit



CONCRETE POUR SETUP — Included with Black Box Kit



OPTIONAL — Hanger Bars (HB)



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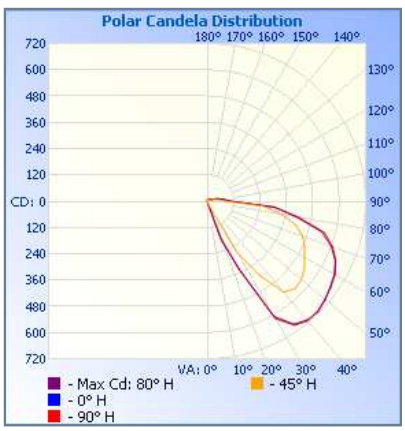
FCSL2040



Photometry

OPTICAL DISTRIBUTION

lumen output	1037 lm	785 lm	466 lm
power consumption	14W	6W	4W



itl illuminations testing laboratory:
Report #3751, #3752, #3753

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WDGE2 LED

Architectural Wall Sconce
Visual Comfort Optic

Catalog Number

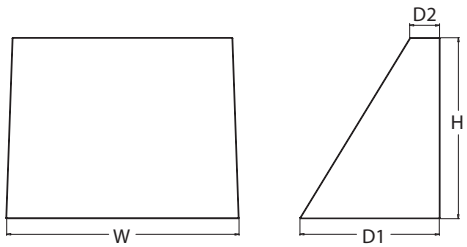
Notes

Type

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: (without options)	13.5 lbs



Introduction

The WDGE 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 WDGE family provides additional energy savings and code compliance.

WDGE2 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 WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

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	6,000	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	P1[1] P1SW P2[1] P2SW P3[1] P3SW P4[1] P5[1] Door with small window (SW) is required to accommodate sensors. See page 2 for more details.	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K[2] 5000K	80CRI 90CRI	VF Visual comfort forward throw VW Visual comfort wide	MVOLT 347[3] 480[3]	**Shipped included** SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only)[4] **Shipped separately** AWS 3/8inch Architectural wall spacer[5] PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.[5]

STD FINISH = Specify

Options

E4WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (4W, 0°C min)
E10WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)
PE	Photocell, Button Type[6]
DS	Dual switching (comes with 2 drivers and 2 light engines; see page 3 for details)[7]
DMG	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)[8]
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.
DSLE	Dual Switching (1 Driver, 2 Light Engines)
CCE	Coastal Construction[5]

Standalone Sensors/Controls (only available with P1SW, P2SW & P3SW)

PIR	Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PIRH	Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching
PIR1FC3V	Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.
PIRH1FC3V	Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.

Networked Sensors/Controls (only available with P1SW, P2SW & P3SW)

NLTAIR2 PIR	Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights.
NLTAIR2 PIRH	Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights.
NLTAIREM2 PIR	Embedded wireless controls by nLight with UL924 listed emegency operation, Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights[9]
NLTAIREM2 PIRH	Embedded wireless controls by nLight with UL924 listed emegency operation, Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights[9]

See page 4 for out of box functionality

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DSSXD	Sandstone
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white
DSSTXD	Textured sandstone

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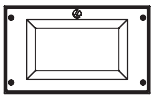
Accessories

Ordered and shipped separately.

WDGEAWS DDBXD	WDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE2PBBW DDBXD U	WDGE2 surface-mounted back box (specify finish)

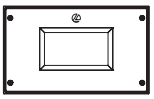
NOTES

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, DS or DSLE.
4 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
5 For PBBW and AWS with CCE option,require an RFA.
6 PE not available in 480V or with sensors/controls.
7 DS option not available with E4WH, E10WH, E20WC or sensors/controls.
8 DMG option not available with sensors/controls.
9 Available with MVOLT only and only rated to 25C ambient.



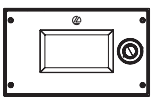
Default configuration with no sensors/controls.

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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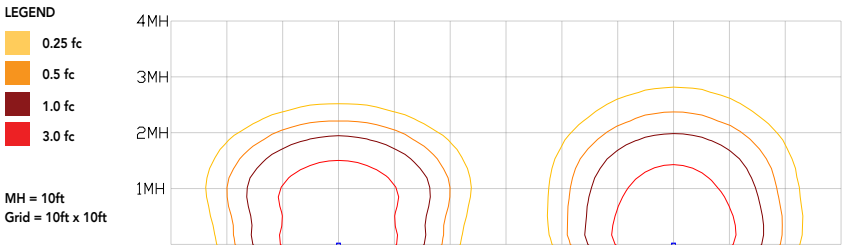
Photometric Diagrams

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.



WDGE2 LED P3 40K 80CRI VW

WDGE2 LED P3 40K 80CRI VF

Emergency Egress Options

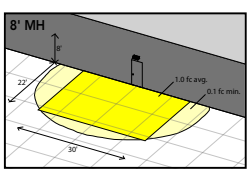
Emergency Battery Backup

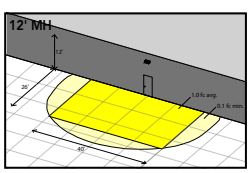
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately 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

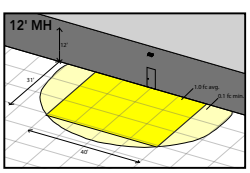
The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E10WH or E20WC and VF distribution.

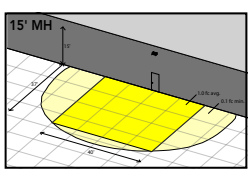
Grid = 10ft x 10ft





WDGE2 LED xx 40K 80CRI VF MVOLT E10WH



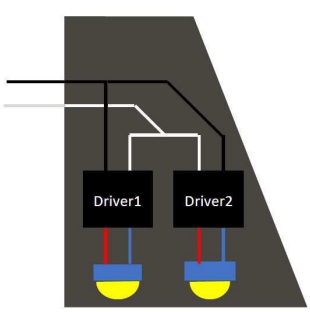


WDGE2 LED xx 40K 80CRI VF MVOLT E20WC

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.

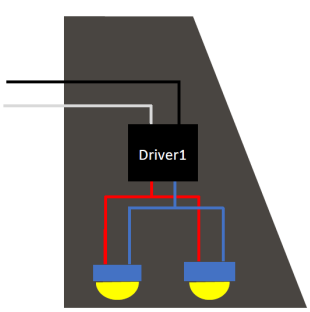
Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9



Dual Switching Light Engine (DSLE) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with one driver and two light engines. These work completely independent to each other so that a failure of either light engine does not cause the whole luminaire to go dark.

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



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Control / Sensor Options

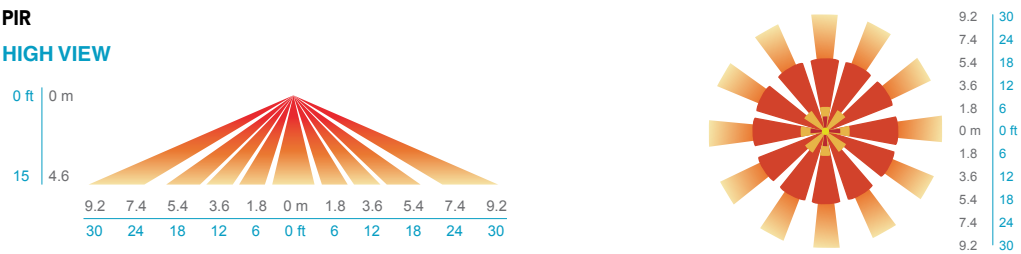
Motion/Ambient Sensor (PIR_, PIRH_)

Motion/Ambeint 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.

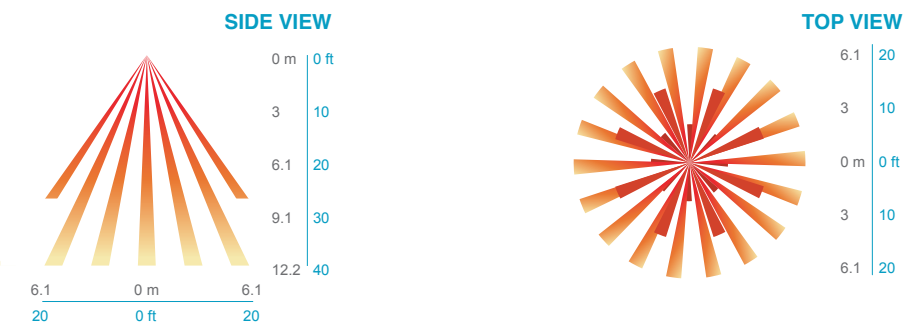
Networked Control (NLTAIR2)

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



PIRH



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

UL 924 Response – nLight AIR Devices with EM Option

- NLTAIREM2 devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, NLTAIREM2 devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- The non-emergency devices, NLTAIR2 PIR and NLTAIR2 PIRH, with version 3.4 or later firmware can be used for normal power sensing.

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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-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 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.

GOVERNMENT PROCUREMENT
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to 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

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

Architectural Wall Sconce
Visual Comfort Optic

Catalog Number

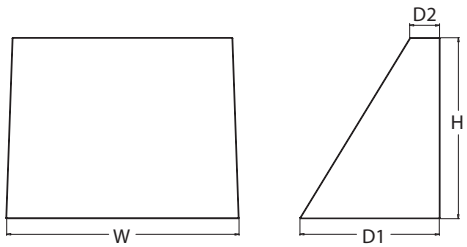
Notes

Type

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: (without options)	13.5 lbs



Introduction

The WDGE 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 WDGE family provides additional energy savings and code compliance.

WDGE2 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 WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

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	6,000	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	P1[1] P1SW P2[1] P2SW P3[1] P3SW P4[1] P5[1] Door with small window (SW) is required to accommodate sensors. See page 2 for more details.	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K[2] 5000K	80CRI 90CRI	VF Visual comfort forward throw VW Visual comfort wide	MVOLT 347[3] 480[3]	**Shipped included** SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only)[4] **Shipped separately** AWS 3/8inch Architectural wall spacer[5] PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.[5]

STD FINISH = Specify

Options

E4WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (4W, 0°C min)
E10WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)
PE	Photocell, Button Type[6]
DS	Dual switching (comes with 2 drivers and 2 light engines; see page 3 for details)[7]
DMG	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)[8]
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.
DSLE	Dual Switching (1 Driver, 2 Light Engines)
CCE	Coastal Construction[5]

Standalone Sensors/Controls (only available with P1SW, P2SW & P3SW)

PIR	Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PIRH	Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching
PIR1FC3V	Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.
PIRH1FC3V	Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.

Networked Sensors/Controls (only available with P1SW, P2SW & P3SW)

NLTAIR2 PIR	Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights.
NLTAIR2 PIRH	Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights.
NLTAIREM2 PIR	Embedded wireless controls by nLight with UL924 listed emegency operation, Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights[9]
NLTAIREM2 PIRH	Embedded wireless controls by nLight with UL924 listed emegency operation, Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights[9]

See page 4 for out of box functionality

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DSSXD	Sandstone
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white
DSSTXD	Textured sandstone

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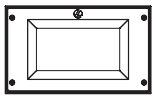
Accessories

Ordered and shipped separately.

WDGEAWS DDBXD	WDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE2PBBW DDBXD U	WDGE2 surface-mounted back box (specify finish)

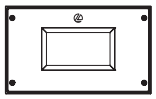
NOTES

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, DS or DSLE.
4 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
5 For PBBW and AWS with CCE option,require an RFA.
6 PE not available in 480V or with sensors/controls.
7 DS option not available with E4WH, E10WH, E20WC or sensors/controls.
8 DMG option not available with sensors/controls.
9 Available with MVOLT only and only rated to 25C ambient.



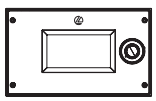
Default configuration with no sensors/controls.

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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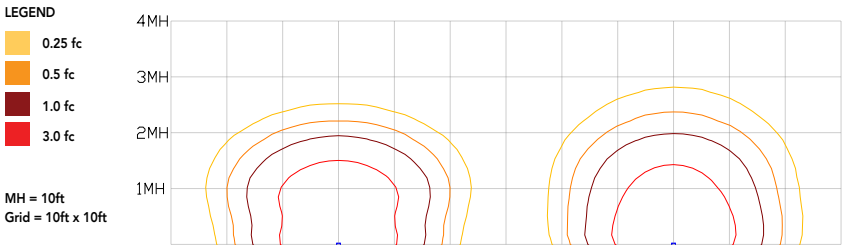
Photometric Diagrams

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.



WDGE2 LED P3 40K 80CRI VW

WDGE2 LED P3 40K 80CRI VF

Emergency Egress Options

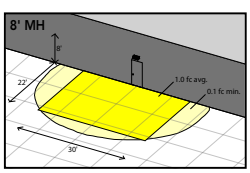
Emergency Battery Backup

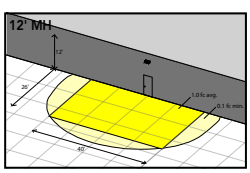
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately 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

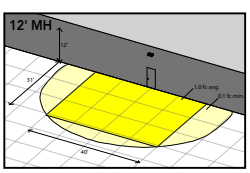
The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E10WH or E20WC and VF distribution.

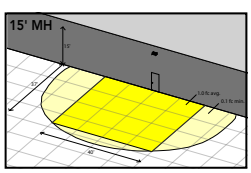
Grid = 10ft x 10ft





WDGE2 LED xx 40K 80CRI VF MVOLT E10WH



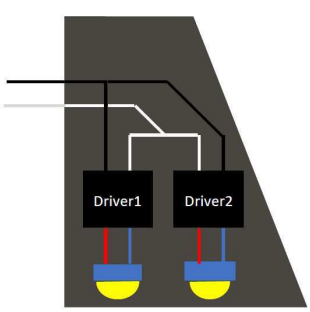


WDGE2 LED xx 40K 80CRI VF MVOLT E20WC

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.

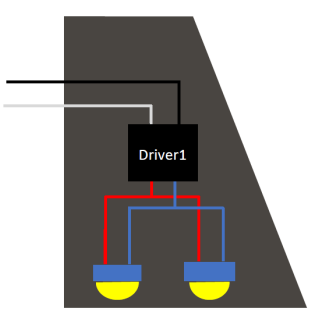
Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9



Dual Switching Light Engine (DSLE) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with one driver and two light engines. These work completely independent to each other so that a failure of either light engine does not cause the whole luminaire to go dark.

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



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Control / Sensor Options

Motion/Ambient Sensor (PIR_, PIRH_)

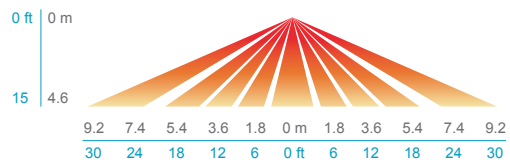
Motion/Ambeint sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing 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.

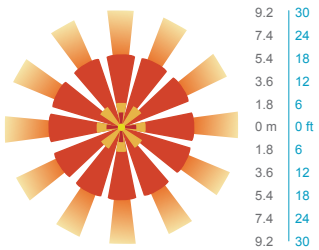
Networked Control (NLTAIR2)

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

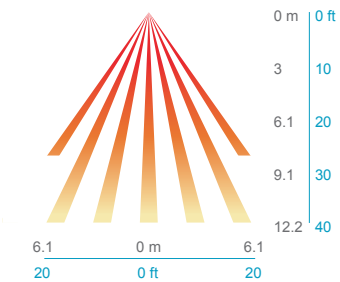
HIGH VIEW



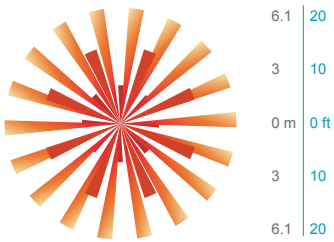


PIRH

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

UL 924 Response – nLight AIR Devices with EM Option

- NLTAIREM2 devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, NLTAIREM2 devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- The non-emergency devices, NLTAIR2 PIR and NLTAIR2 PIRH, with version 3.4 or later firmware can be used for normal power sensing.

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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-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 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.

GOVERNMENT PROCUREMENT
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to 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

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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