

Location
4325 Nakoma Road

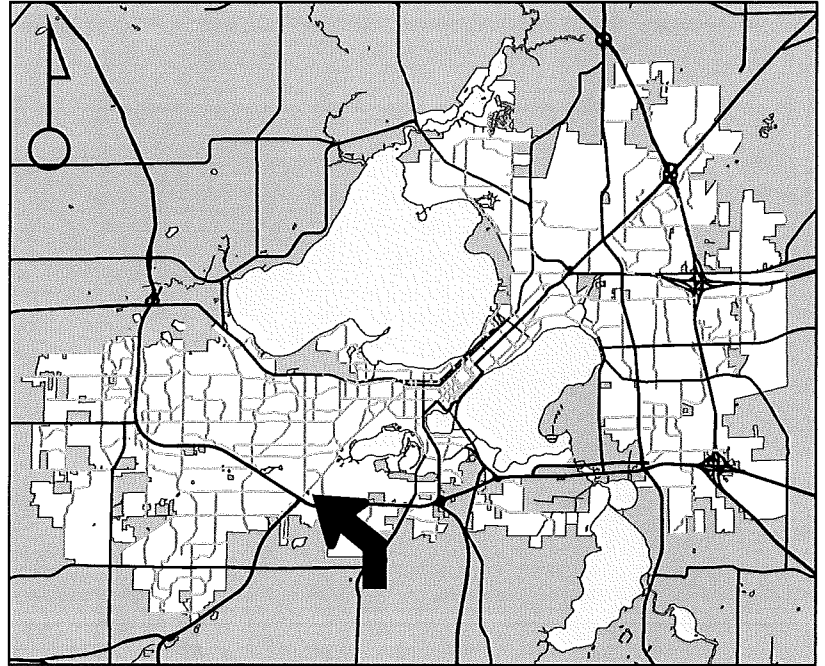
Project Name
Oak Park Place – Nakoma Road

Applicant
Scott Frank – Alternative Continuum
of Care, LLC / William A Simpson – ADCI

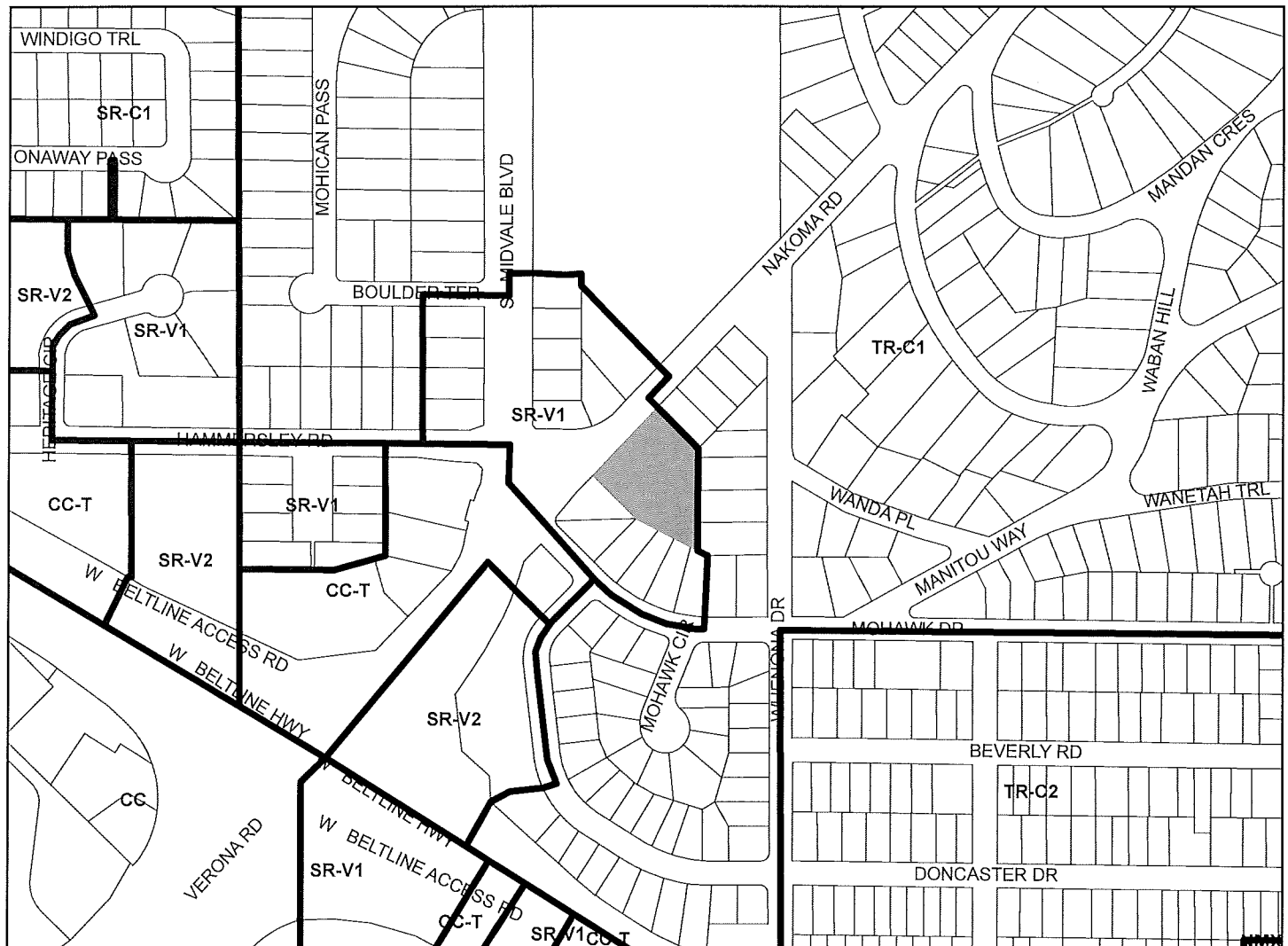
Existing Use
Nursing Home

Proposed Use
Demolish skilled nursing facility to
construct skilled nursing and assisted
living facility

Public Hearing Date
Plan Commission
21 November 2016

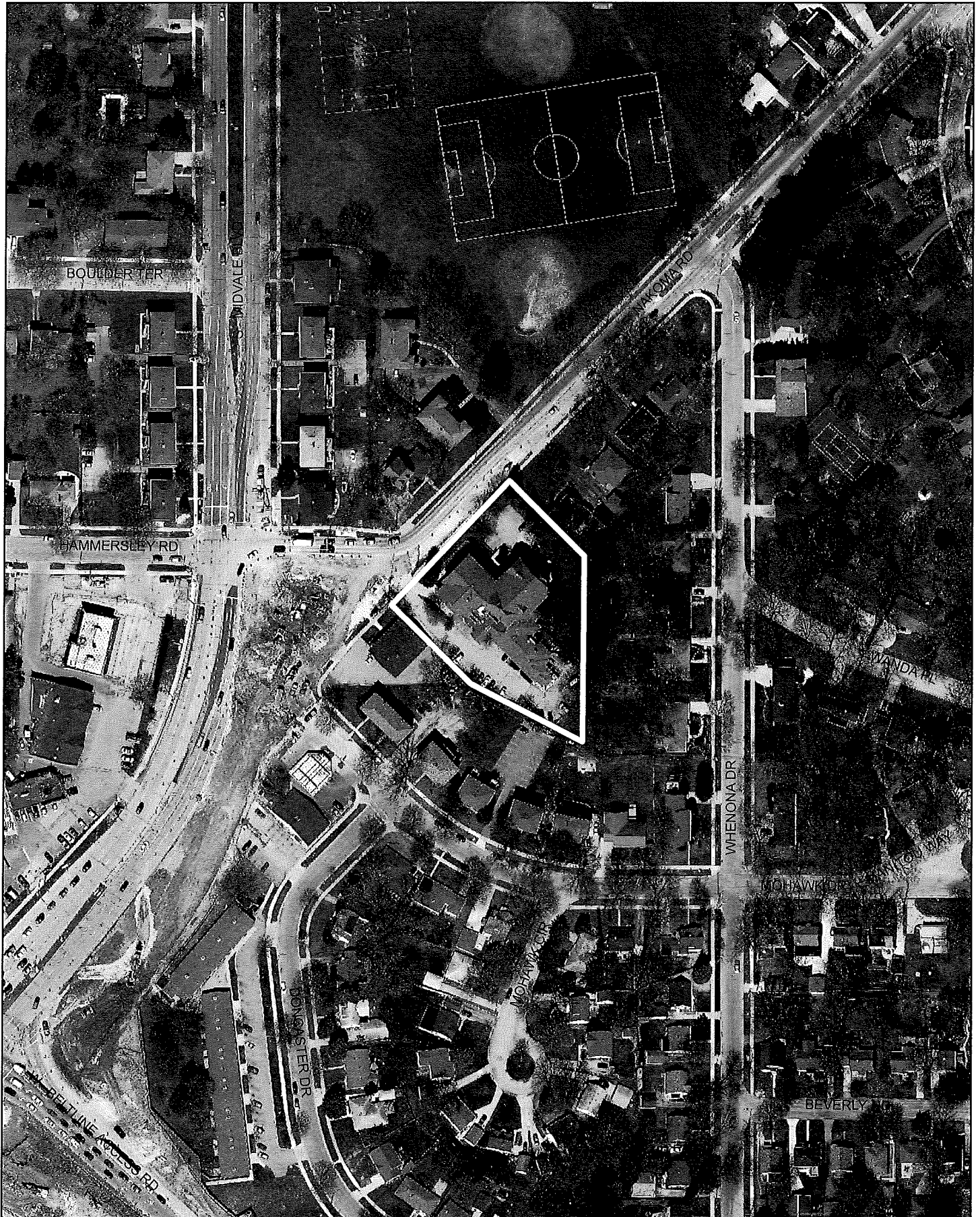


For Questions Contact: Jessica Vaughn at: 267-8733 or jvaughn@cityofmadison.com or City Planning at 266-4635



Scale : 1" = 400'

City of Madison, Planning Division : PPE : Date : 15 November 2016





LAND USE APPLICATION

CITY OF MADISON

215 Martin Luther King Jr. Blvd; Room LL-100
PO Box 2985; Madison, Wisconsin 53701-2985
Phone: 608.266.4635 | Facsimile: 608.267.8739

- All Land Use Applications should be filed with the Zoning Administrator at the above address.
- The following information is required for all applications for Plan Commission review except subdivisions or land divisions, which should be filed using the Subdivision Application.
- This form may also be completed online at:
www.cityofmadison.com/developmentcenter/landdevelopment

FOR OFFICE USE ONLY:

Amt. Paid _____ Receipt No. _____
Date Received _____
Received By _____
Parcel No. _____
Aldermanic District _____
Zoning District _____
Special Requirements _____
Review Required By:
☐ Urban Design Commission ☐ Plan Commission
☐ Common Council ☐ Other: _____

Form Effective: February 21, 2013

1. Project Address: 4325 NAKOMA RD
Project Title (if any): OAK PARK PLACE - NAKOMA RD

2. This is an application for (Check all that apply to your Land Use Application):

- ☐ Zoning Map Amendment from _____ to _____
☐ Major Amendment to Approved PD-GDP Zoning ☐ Major Amendment to Approved PD-SIP Zoning
☐ Review of Alteration to Planned Development (By Plan Commission)
☒ Conditional Use, or Major Alteration to an Approved Conditional Use
☒ Demolition Permit
☐ Other Requests: _____

3. Applicant, Agent & Property Owner Information:

Applicant Name: SCOTT FRANK Company: ALTERNATIVE CONTINUUM OF CARE, LLC
Street Address: 719 JUPITER DR City/State: MADISON, WI Zip: 53718
Telephone: (608) 663-6800 Fax: (608) 268-1067 Email: sfrank@oakparkplace.com
Project Contact Person: WILLIAM A SIMPSON Company: ADCI
Street Address: 5100 EASTPARK BLVD - #310 City/State: MADISON, WI Zip: 53718
Telephone: (608) 254-6181 Fax: () Email: b.simpson@adcidesign.com
Property Owner (if not applicant): (SAME AS APPLICANT)
Street Address: _____ City/State: _____ Zip: _____

4. Project Information:

Provide a brief description of the project and all proposed uses of the site: RAZE EXISTING 68 BED SKILLED NURSING FACILITY (SNF); BUILD NEW MEMORY CARE (CBRE) / (SNF) / ASSISTED LIVING (RCAC) FOR A TOTAL OF 74 UNITS.
Development Schedule: Commencement NOV. 2016 Completion NOV. 2017

5. Required Submittal Information

All Land Use applications are required to include the following:

☒ Project Plans including:*

- Site Plans (fully dimensioned plans depicting project details including all lot lines and property setbacks to buildings; demolished/proposed/alterd buildings; parking stalls, driveways, sidewalks, location of existing/proposed signage; HVAC/Utility location and screening details; useable open space; and other physical improvements on a property)
- Grading and Utility Plans (existing and proposed)
- Landscape Plan (including planting schedule depicting species name and planting size)
- Building Elevation Drawings (fully dimensioned drawings for all building sides, labeling primary exterior materials)
- Floor Plans (fully dimensioned plans including interior wall and room location)

land use summary table
→ screening (fence, wall)

Building Height.

Provide collated project plan sets as follows:

- 42-2-Cop 123
Wx 17'
- ~~Seven (7) copies~~ of a full-sized plan set drawn to a scale of 1 inch = 20 feet (folded or rolled and stapled)
 - ~~Twenty-Five (25) copies~~ of the plan set reduced to fit onto 11 X 17-inch paper (folded and stapled)
 - ~~One (1) copy~~ of the plan set reduced to fit onto 8 1/2 X 11-inch paper

* For projects requiring review by the Urban Design Commission, provide **Fourteen (14) additional 11x17 copies** of the plan set. In addition to the above information, all plan sets should also include: 1) Colored elevation drawings with shadow lines and a list of exterior building materials/colors; 2) Existing/proposed lighting with photometric plan & fixture cutsheet; and 3) Contextual site plan information including photographs and layout of adjacent buildings and structures. The applicant shall bring samples of exterior building materials and color scheme to the Urban Design Commission meeting.

☒ Letter of Intent: Provide one (1) Copy per Plan Set describing this application in detail including, but not limited to:

- | | | |
|---|---|--|
| • Project Team | • Building Square Footage | • Value of Land |
| • Existing Conditions | • Number of Dwelling Units | • Estimated Project Cost |
| • Project Schedule | • Auto and Bike Parking Stalls | • Number of Construction & Full-Time Equivalent Jobs Created |
| • Proposed Uses (and ft ² of each) | • Lot Coverage & Usable Open Space Calculations | • Public Subsidy Requested |
| • Hours of Operation | | |

☒ Filing Fee: Refer to the Land Use Application Instructions & Fee Schedule. Make checks payable to: City Treasurer.

☒ Electronic Submittal: All applicants are required to submit copies of all items submitted in hard copy with their application as Adobe Acrobat PDF files on a non-returnable CD to be included with their application materials, or by e-mail to pcapplications@cityofmadison.com.

☒ Additional Information may be required, depending on application. Refer to the Supplemental Submittal Requirements.

6. Applicant Declarations

☒ Pre-application Notification: The Zoning Code requires that the applicant notify the district alder and any nearby neighborhood and business associations in writing no later than 30 days prior to FILING this request. List the alderperson, neighborhood association(s), and business association(s) AND the dates you sent the notices:

8/3/16 - Alder Cheeks Coordination (Email); Neighborhood Assoc. Meeting 8/11/16 (see PETER)

→ If a waiver has been granted to this requirement, please attach any correspondence to this effect to this form.

☒ Pre-application Meeting with Staff: Prior to preparation of this application, the applicant is required to discuss the proposed development and review process with Zoning and Planning Division staff; note staff persons and date.

Planning Staff: JLV Date: 6/10/16 Zoning Staff: Jenny/Kirungathore Date: 6/8/16

The applicant attests that this form is accurately completed and all required materials are submitted:

Name of Applicant SCOTT FRANK Relationship to Property: OWNER
Authorizing Signature of Property Owner Scott Frank Date 9/14/16



4325 NAKOMA RD LETTER OF INTENT

Alternative Continuum of Care, LLC purchased the Sunny Hill Healthcare Center on 4325 Nakoma Road a few months ago. The existing facility is a 68 bed skilled nursing facility. Oak Park Place is the company that is currently managing the existing 24 hour facility and will act as the general contractor for the new facility and will manage the new facility. All former residents have been relocated to other facilities.

The other members of the team are Architectural Design Consultants Inc (ADCI) representing as the architects for the new building and coordinating the civil; Professional Engineering, LLC is preparing the civil design; the mechanical and electrical contractors will be design-build to be determined.

The project schedule is to start as soon as approvals are set, estimating demolition to start at the end of November. The estimated construction schedule is twelve months. It is critical for us to get the DHS review of the completed structure complete and the relocated residents back into the facility by approximately the end of December 2017, or we will lose the existing DHS licenses.

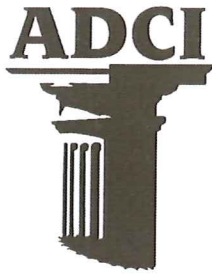
The proposed 24 hour facility will have twenty memory care units (CBRF) on the first floor (16,830 S.F.); thirty-three skilled nursing units (SNF) on the second floor (21,765 S.F.) and twenty-one assisted living units (RCAC) on the third floor (19,890 S.F.). The building will have a ground floor (12,190 S.F.) partially above grade with common areas for the residents and their families, staff areas, and therapy areas. The building will also have a basement (20,285 S.F.) the is completely below grade and will have twenty-seven vehicle parking stalls and sixteen bicycle parking stalls for employees and the assisted living residents. The basement will also have a kitchen, laundry, mechanicals and storage. The overall approximate building square footage is 90,960 S.F. There are an additional eighteen vehicle parking stalls and eight bicycle parking stalls on grade for visitors and some assisted living residents to meet the requirements of the code. We feel the overall number of interior and exterior on grade parking stalls meet the minimum for what we will need for the combination of visitors, assisted living residents and approximately twenty-seven staff members per shift. However, we also want to insure we have adequate parking for the aforementioned, so we don't want to decrease this parking count either.

The overall existing site area is 52,320 S.F. (1.20 Acres). The proposed building foot print and trash enclosure area is 13,634 S.F. The proposed lot impervious area for drives and sidewalks is 17,648 S.F. Therefore, the overall lot coverage is 31,282 S.F. (59.79%). The useable open space required for the seventy-four resident units is 11,100 S.F. We are providing balconies off each resident floor off of public areas for a total of 1,354 S.F. and a combination of seating/ garden path areas on grade for a total of 9,853 S.F. The overall total of the useable open space is 11,207 S.F. exceeding the required area.

The value of the land can be based off City of Madison tax assessor's information of \$320,000. The estimated construction cost is approximately \$9,000,000. The estimated number of construction jobs created is 75 over a year period of time. The estimated new full-time staff jobs created is 35. We are not requesting any public subsidy.

Sincerely,

Scott Frank
CEO
Alternative Continuum of Care, LLC



Architectural Design Consultants, Inc.

5100 Eastpark Boulevard
Suite 310
Madison, WI 53718

Phone: 608.254.6181
Email: info@adcidesign.com
Web: www.adcidesign.com

EXISTING PHOTOS - EXTERIOR



NORTHEAST ELEVATION (NAKOMA ROAD)



NORTH ELEVATION (NAKOMA ROAD)



NORTHWEST ELEVATION (NAKOMA ROAD)



WEST ELEVATION (NORTH)



WEST ELEVATION (SOUTH)



SOUTH ELEVATION



SOUTHEAST ELEVATION

EXISTING PHOTOS - INTERIOR









FEATURES & SPECIFICATIONS

INTENDED USE — Our recessed LED module is the most economical means to create a well lit environment with exceptional energy efficiency and near zero maintenance. Great for retrofit into existing downlight cans or new construction and remodel applications. Unique torsion spring and friction clip retention allows fitment into nearly 100% of installed cans. The LED module maintains at least 70% light output for 50,000 hours.

CONSTRUCTION — Aluminum die cast reflector with deep baffle configuration for reduced glare. Combined LED and driver printed circuit board attached. Inner reflector cone funnels light through the pressed-in diffused lens.

Baffle and open trim inserts are available in multiple finishes.

OPTICS — Diffused lens at end of mixing chamber to provide even light distribution for general illumination, equivalent to 65W BR30 or 100W BR30 lamp.

Wide flood beam angle at >45°.

ELECTRICAL — Center 2 Edge™ (patent pending) technology created for a single point source. Primary power disconnect provided for simple connection to a dedicated LED connector in the housing.

Dimming down to 10%. For compatible dimmers, refer to [Compatible Dimmers Chart](#).

725-lumen P series has an input wattage of 12.7 watts, 57 lumens per watt, equivalent to 65-watt incandescent.

P Series' patent pending driver has zero inrush, which allows power loads to be calculated with actual rated wattages.

Example: 47 units of 6BPMW LED fixtures can be installed in line with a 600-watt dimmer. 600W/12.7W = 47 fixtures.

950-lumen P series has an input wattage of 15.2 watts, 63 lumens per watt, equivalent to 100-watt incandescent.

*Actual wattage may differ by +/-5% when operating at 120V +/-10%.

INSTALLATION — Suitable for installation in standard and shallow-height rough-in sections.

E26 socket adaptor and splice kit ships standard. This enables easy installation or permanent conversion to an LED source for Title 24 compliance.

Twin torsion springs ensure easy installation.

Friction clips included to allow fitment into cans without torsion brackets from an inside diameter of 6.0" to 7.0".

LISTINGS — CSA certified to US and Canadian safety standards. ENERGY STAR® qualified; California T24 compliant. Wet location listed for indoor use only. WSEC ASTM E283 for Air-Tight (with IC housings).

WARRANTY — 5-year limited warranty. Complete warranty terms located at

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

Note: Specifications subject to change without notice.

PATENTS PENDING.

Catalog Number
Notes
Type "A"

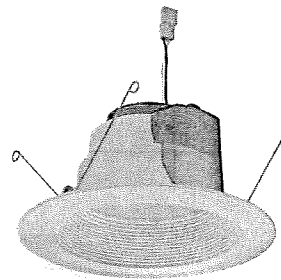
LED Recessed Downlighting

6BP/60P

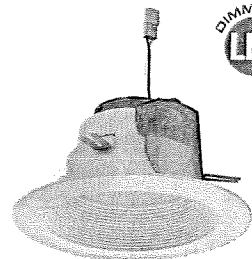
6" LED Module

IC/Non-IC

Retrofit



Torsion mount shown



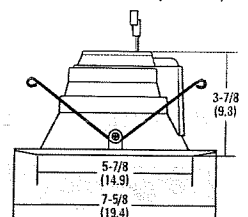
Friction clip shown (included)



E26 adaptor (included)



Splice kit (included)



Specifications

Aperture: 5-7/8 (14.9)

Ceiling opening: Determined by rough-in

Overlap trim: 7-5/8 (19.4)

Height: 3-7/8 (9.8)

All dimensions are inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION

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

Example: 6BP TRMW LED 27K 90CRI

Series/Finish	Lamp	CCT / CRI / W / Lumens ¹	Voltage	Options
6BPMW 6" Baffle LED module, matte white	LED	(blank) 3000 K / 83 CRI / 12.7W / 725L	(blank) 120V	L7XLED T24 New construction rough-in LED base
6BP TRMW 6" Baffle LED module, black baffle, matte white flange		27K 90CRI 2700 K / 93 CRI / 11.2W / 600L		L7XRLED T24 Remodel rough-in LED base
6BPBN 6" Baffle LED module, brushed nickel		30K 90CRI 3000 K / 93 CRI / 11.2W / 600L		LC6LED T24 New construction rough-in LED base
6BPORB 6" Baffle LED module, oil-rubbed bronze		40K 90CRI 4000K / 92CRI / 9.9W / 650L		L7X New construction rough-in ²
	HL LED	(blank) 3000 K / 83 CRI / 15.2W / 950L		L7XR Remodel rough-in ²
		27K 90CRI 2700 K / 93 CRI / 16.5W / 860L		L7XP New construction shallow rough-in ²
		30K 90CRI 3000 K / 93 CRI / 16.5W / 860L		L7XPR Remodel shallow rough-in ²
		40K 90CRI 4000K / 92CRI / 16.4W / 950L		LC6 New construction rough-in ²
				LCP New construction shallow rough-in ²
60PA 6" Open LED module, clear diffuse	LED	(blank) 3000 K / 83 CRI / 12.7W / 725L	(blank) 120V	L7XLED T24 New construction rough-in LED base
60PAZ 6" Open LED module, clear specular		27K 90CRI 2700 K / 93 CRI / 11.2W / 600L		L7XRLED T24 Remodel rough-in LED base
60PA TRMW 6" Open LED module, clear diffuse, matte white flange		30K 90CRI 3000 K / 93 CRI / 11.2W / 600L		LC6LED T24 New construction rough-in LED base
60PAZ TRMW 6" Open LED module, clear specular, matte white flange		40K 90CRI 4000K / 92CRI / 9.9W / 650L		L7X New construction rough-in ²
	HL LED	(blank) 3000 K / 83 CRI / 15.2W / 950L		L7XR Remodel rough-in ²
		27K 90CRI 2700 K / 93 CRI / 16.5W / 860L		L7XP New construction shallow rough-in ²
		30K 90CRI 3000 K / 93 CRI / 16.5W / 860L		L7XPR Remodel shallow rough-in ²
		40K 90CRI 4000K / 92CRI / 16.4W / 950L		LC6 New construction rough-in ²
				LCP New construction shallow rough-in ²

Accessories: Order as separate catalog number.

TSA6	Makes non-bracket housing compatible with the LED module; ships as units, J6 or J25
FL2LED	Makes L7XF housings compatible with the LED module

Notes

- 1 Total system delivered lumens.
- 2 Must be ordered on a separate line.

See page 2 for Trim Inserts.

6" LED Module

TRIM INSERTS

TRIM INSERTS (for field configuration; ordered separately)

Example: 6BP TRMW R12

Series/Finish				Packaging
6BP TRMW	6" Baffle black, matte white flange insert	60PAZ	6" Open clear specular insert	R12 Retail pack of 12 units U Unit
6BPBN	6" Baffle brush nickel insert	60PA TRMW	6" Open clear diffuse, matte white flange insert	
6BPORB	6" Baffle oil-rubbed bronze insert	60PAZ TRMW	6" Open clear specular, matte white flange insert	
60PA	6" Open clear diffuse insert			



Black Baffle with Matte White Trim Ring (TRMW)



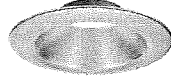
Brushed Nickel Baffle (BN)



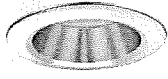
Oil-rubbed Bronze Baffle (ORB)



Clear Diffuse with Matte White Trim Ring (A TRMW)



Clear Diffuse (A)



Clear Specular with Matte White Trim Ring (AZ TRMW)



Clear Specular (AZ)

ADDITIONAL DATA

ENERGY DATA* - 600 Lumens		
	CRI - 83	CRI - 93
Lumens	725	600
Min. starting temp	-18°C (0°F)	-18°C (0°F)
Max. temp	46°C (115°F)	46°C (115°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B
Sound rating	A standards	A standards
Input voltage	120V	120V
Min. power factor	0.97	0.97
Input frequency	50/60 Hz	50/60 Hz
Rated wattage	12.7W	10.5W
Input power	12.7W	10.5W
Input current	.11A	.09A

*Values at non-dimming line voltage.

ENERGY DATA* - 900 Lumens		
	CRI - 83	CRI - 93
Lumens	950	860
Min. starting temp	-18°C (0°F)	-18°C (0°F)
Max. temp	46°C (115°F)	46°C (115°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B
Sound rating	A standards	A standards
Input voltage	120V	120V
Min. power factor	0.97	0.97
Input frequency	50/60 Hz	50/60 Hz
Rated wattage	15.2W	16.7W
Input power	15.2W	16.7W
Input current	.13A	.14A

*Values at non-dimming line voltage.

Trim finish	Lumen multiplier
Matte White	1.00 (Baseline)
Clear Diffuse	0.99
Clear Specular	0.99
Brushed Nickel	0.83
Black Baffle	0.76
Oil Rubbed Bronze	0.78

Color temperature	Lumen multiplier
2700K	0.97
3000K	1.00 (Baseline)
4000K	1.08

6" LED Module

PHOTOMETRICS

Distribution Curve

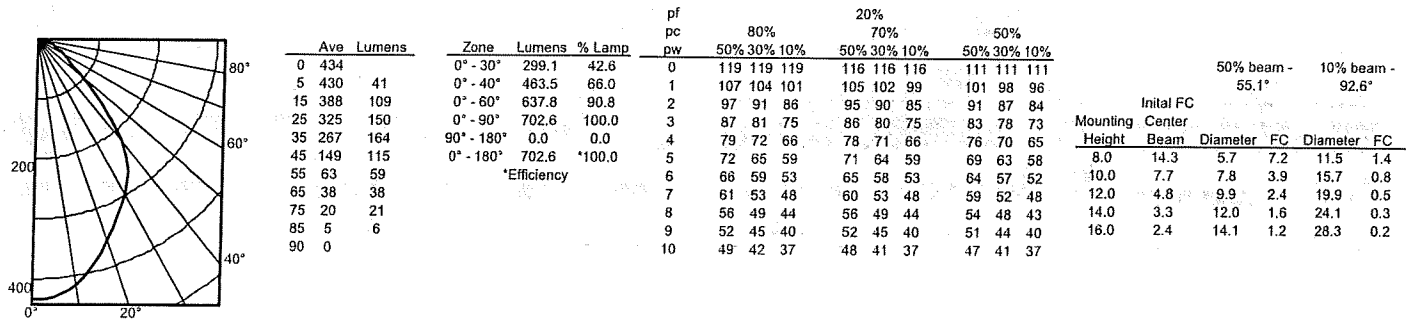
Distribution Data

Output Data

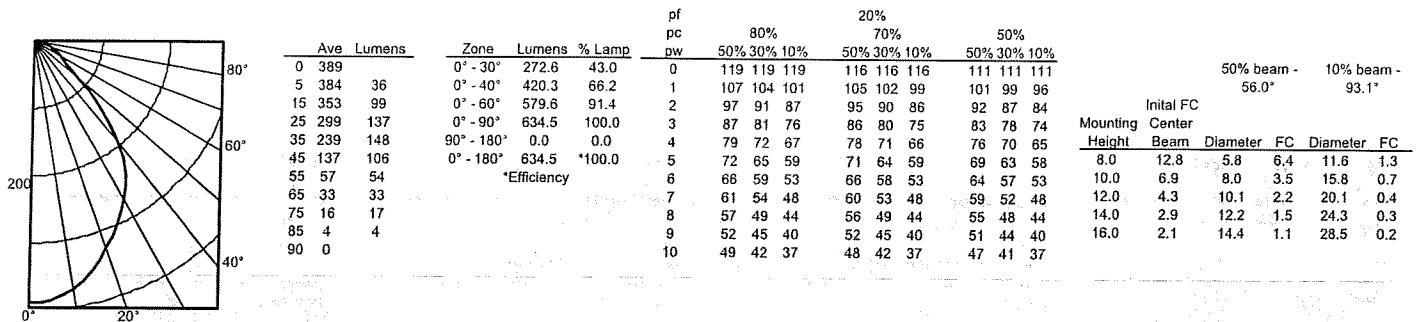
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

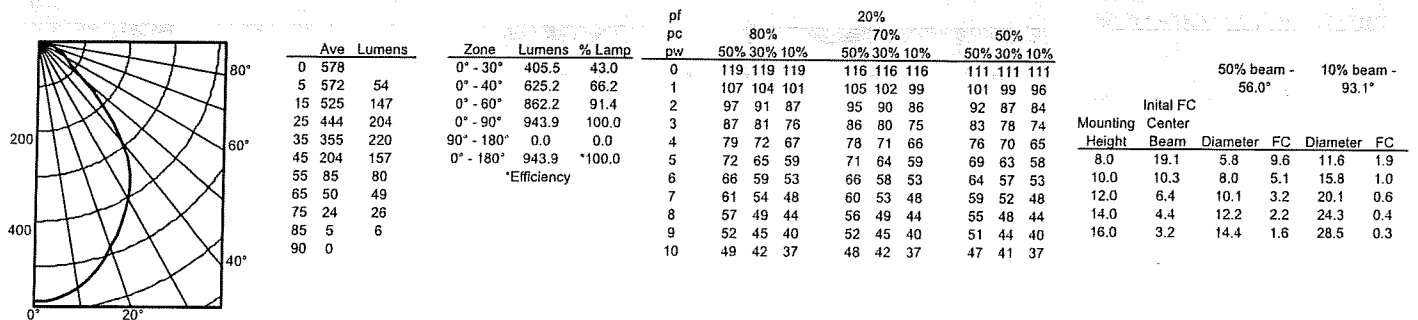
6BPMW LED, 3000 K LEDs, input watts: 12.7, delivered lumens: 703, LM/W=55.4, test no. LTL25711P, tested in accordance with IESNA LM 79-08



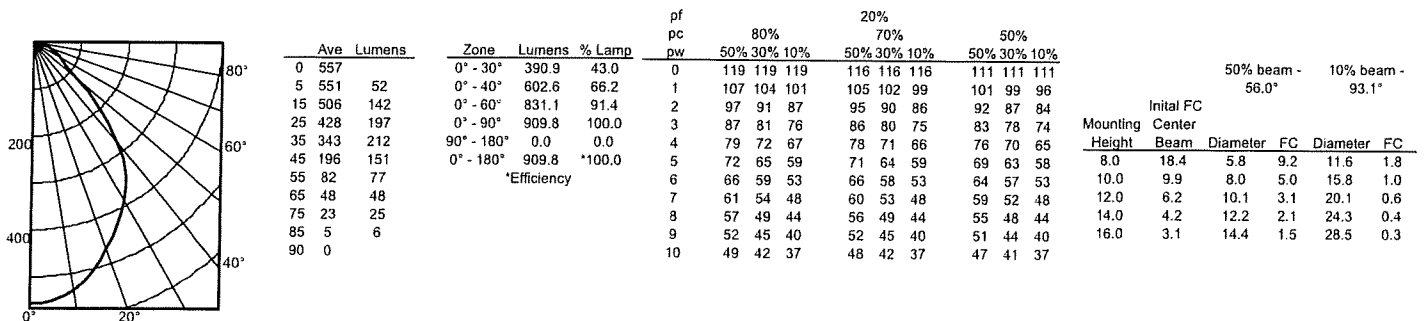
6BPMW LED 90CRI, 3000 K LEDs, input watts: 10.3, delivered lumens: 634, LM/W=62, test no. LTL 23864P, tested in accordance with IESNA LM 79-08



6BPMW HL LED 80CRI, 3000 K LEDs, input watts: 15.2, delivered lumens: 950, LM/W=63, test no. LTL23864, tested in accordance with IESNA LM 79-80

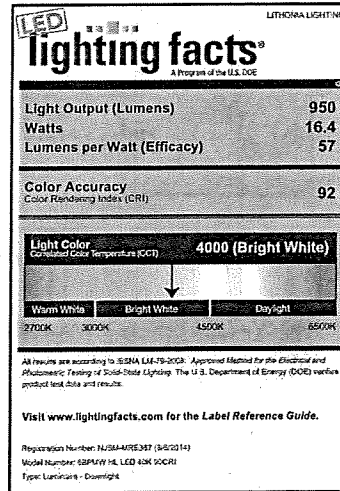
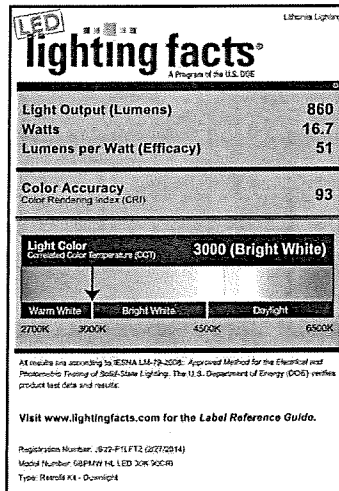
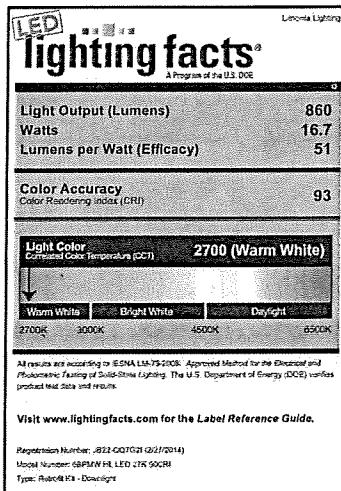
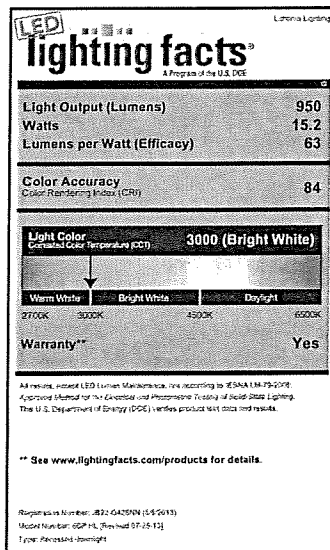
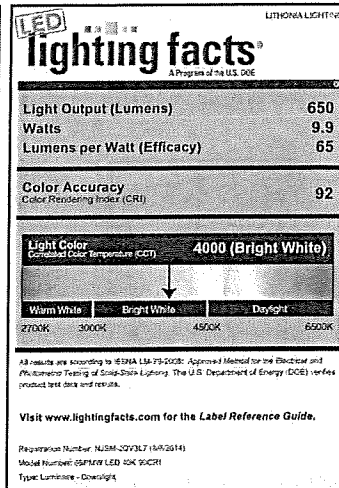
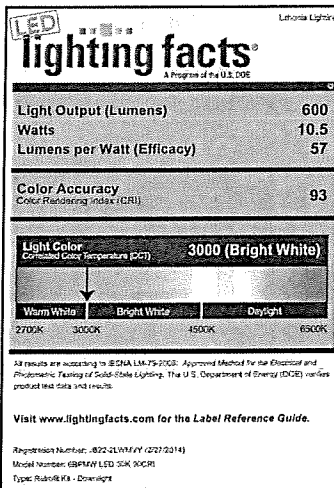
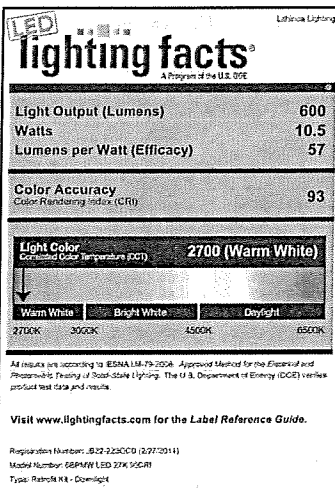
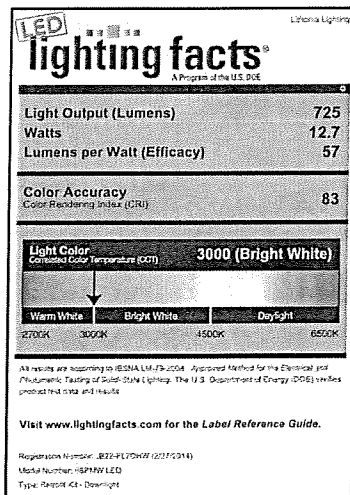


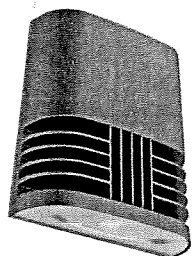
6BPMW HL LED 90CRI, 3000 K LEDs, input watts: 16.6, delivered lumens: 910, LM/W=55, test no. LTL 23864P1, tested in accordance with IESNA LM 79-08



6" LED Module

LIGHTING FACTS





OLWX1 LED LED Wall Luminaire



Catalog
Number

Notes

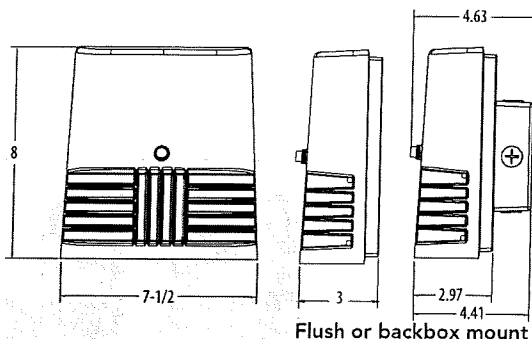
Type

"B"

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

Specifications

Width: 7-1/2"
(19 cm)
Height: 8"
(20.3 cm)
Depth: 3"
(7.62 cm)
Weight: 5 lbs
(2.27 kg)



Flush or backbox mount

Ordering Information

EXAMPLE: OLWX1 LED 20W 50K

OLWX1 LED					
Series	Performance Package		Color Temperature	Voltage	Controls
OLWX1 LED	13W	13 watts	40K 4000 K ¹	(blank) MVOLT ²	(blank) None
	20W	20 watts	50K 5000 K	120 120V ³	PE 120V button photocell ^{1,3}
	40W	40 watts		347 347V	
					Finish
					(blank) Dark bronze

Accessories

Ordered and shipped separately.

OLWX1TS Slipfitter – size 1
OLWX1YK Yoke – size 1
OLWX1THK Knuckle – size 1

NOTES

- 1 Not available with 347V option.
- 2 MVOLT driver operates on any line voltage from 120-277V (50/60Hz).
- 3 Specify 120V when ordering with photocell (PE option).

FEATURES & SPECIFICATIONS

INTENDED USE

The versatility of the OLWX1 LED combines a sleek, low-profile wall pack design and high-output LEDs to provide an energy efficient, low maintenance LED wall pack suitable for replacing up to 250W metal halide fixtures. Available flood light mounting accessories convert the OLWX1 LED into a highly efficient flood light.

OLWX1 LED is ideal for outdoor applications such as building perimeters, loading areas, driveways and sign and building flood lighting.

CONSTRUCTION

Rugged cast-aluminum housing with textured dark bronze polyester powder paint for lasting durability. Integral heat sinks optimize thermal management through conductive and convective cooling. LEDs are protected behind a glass lens. Housing is sealed against moisture and environmental contaminants (IP65).

OPTICS

High-performance LEDs behind clear glass for maximum light output. Light engines are available in 4000K and 5000K CCTs. See Lighting Facts label and photometry reports for specific fixture performance.

ELECTRICAL

Light engine consists of 1 high-efficiency Chip On Board (COB) LED with integrated circuit board mounted directly to the housing to maximize heat dissipation and promote long life (L73/100,000 hours at 25°C). Electronic drivers have a power factor >90% and THD <20% and a minimum 2.5kV surge rating. Flood light mounting accessories include an additional 6kV surge protection device.

INSTALLATION

Easily mounts to recessed junction boxes with the included wall mount bracket, or for surface mounting and conduit entry - with the included junction box with five 1/2" threaded conduit entry hubs. Flood light mounting accessories (sold separately) include knuckle, integral slipfitter and yoke mounting options. Each flood mount accessory comes with a top visor and vandal guard. Luminaire may be wall or ground mounted in downward or upward orientation.

LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations. Rated for -40° C minimum ambient. Tested in accordance with IESNA LM-79 and LM-80 standards. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

Five-year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

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.



One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • Fax: 770.918.1209 • www.lithonia.com
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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.

Fixture Model Number	CCT	System Watts	Lumens	LPW	B	U	G	CRI
OLWX1 LED 13W 40K	4000 K	14 W	1,271	91	1	0	0	>70
OLWX1 LED 13W 50K	5000 K	14 W	1,289	92	1	0	0	>80
OLWX1 LED 20W 40K	4000 K	22 W	1,854	84	1	0	0	>70
OLWX1 LED 20W 50K	5000 K	22 W	1,860	84	1	0	0	>80
OLWX1 LED 40W 40K	4000 K	39 W	4,027	101	2	0	0	>70
OLWX1 LED 40W 50K	5000 K	37 W	4,079	110	2	0	0	>70

Electrical Load

Fixture Model Number	Rated Power (watts)	Input current at given input voltage (amps)				
		120V	208V	240V	277V	347V
OLWX1 LED 13W 40K	14 W	0.12	0.07	0.06	0.06	0.04
OLWX1 LED 13W 50K	14 W	0.12	0.07	0.06	0.06	0.04
OLWX1 LED 20W 40K	22 W	0.20	0.12	0.10	0.09	0.06
OLWX1 LED 20W 50K	22 W	0.20	0.12	0.10	0.09	0.06
OLWX1 LED 40W 40K	39 W	0.37	0.21	0.19	0.16	0.11
OLWX1 LED 40W 50K	37 W	0.37	0.21	0.19	0.16	0.11

Lumen Ambient Temperature (LAT) Multipliers

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

	0°C	10°C	20°C	25°C	30°C	40°C
13W	1.06	1.03	1.01	1.00	0.99	0.96
20W	1.06	1.04	1.01	1.00	0.99	0.96
40W	1.07	1.04	1.01	1.00	0.99	0.96

Projected LED Lumen Maintenance

Data references the extrapolated performance projections 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.

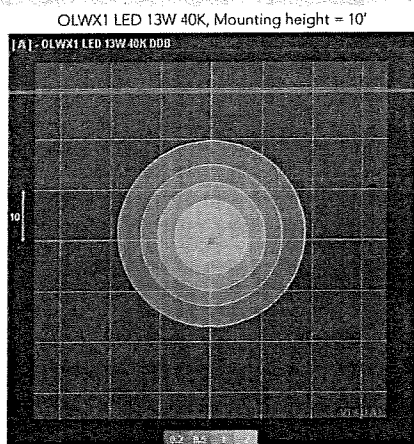
Operating Hours	0	25,000	50,000	100,000
OLWX1 LED 13W	1.00	0.92	0.85	0.73
OLWX1 LED 20W	1.00	0.92	0.85	0.73
OLWX1 LED 40W	1.00	0.94	0.88	0.79

Photometric Diagrams

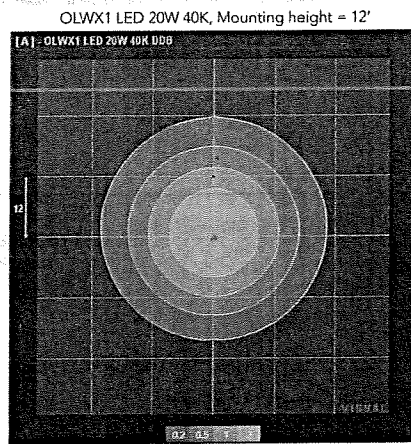
To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting OLWX1 LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

LEGEND

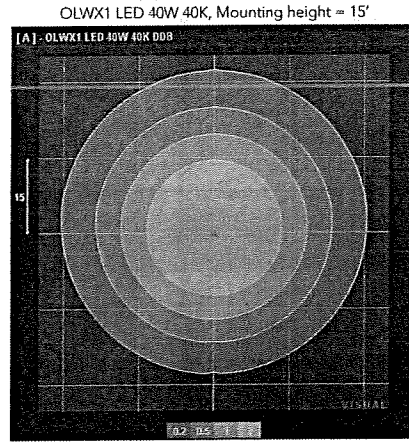
	0.2 fc
	0.5 fc
	1.0 fc
	2.0 fc



Test No. LTL22697 tested in accordance with IESNA LM-79-08.

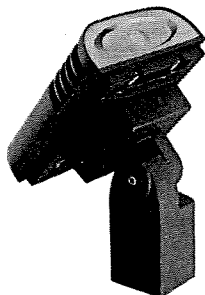


Test No. LTL22696 tested in accordance with IESNA LM-79-08.

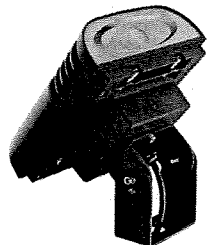


Test No. LTL22695 tested in accordance with IESNA LM-79-08.

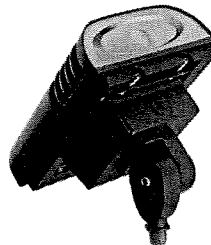
Accessories



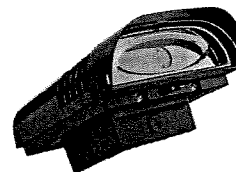
OLWX1TS
Slipfitter - size 1



OLWX1YK
Yoke - size 1



OLWX1THK
Knuckle - size 1



Top Visor and Vandal Guard
included with accessories



FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.

CONSTRUCTION — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs.

Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment. Two combination 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.

Accommodates 12"-24" joist spacing.

Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.

Max ceiling thickness 1-1/2".

OPTICS — LEDs are binned to a 3-step SDCM; 80 CRI minimum.

LED light source concealed with diffusing optical lens.

General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image.

Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.

ELECTRICAL — Multi-volt (120-277V, 50/60Hz) eldoLED 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.

70% lumen maintenance at 50,000 hours.

LISTINGS — Certified to US and Canadian safety standards. Damp location standard (wet location, covered ceiling optional).

WARRANTY — 5-year limited warranty. Complete warranty terms located at

www.acuitybrands.com/customerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

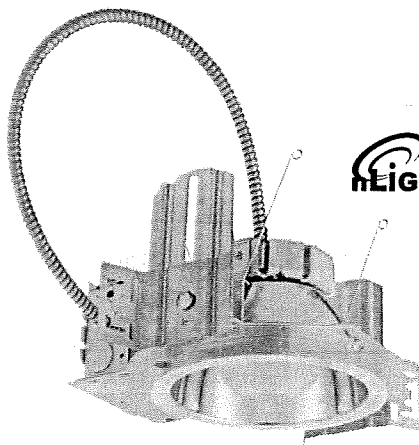
All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Catalog Number
Notes
Type "C"

LDN6

6" OPEN and WALLWASH LED
Non-IC
New Construction Downlight



ORDERING INFORMATION

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

Example: LDN6 35/15 L06AR LSS MVOLT EZ10

LDN6															
Series		Color temperature		Lumens ¹		Aperture/Trim Color			Finish		Voltage				
LDN6 6" round		27/	2700K	05	500 lumens	25	2500 lumens	L06	Downlight	AR	Clear	LSS	Semi-specular	MVOLT	Multi-volt
		30/	3000K	10	1000 lumens	30	3000 lumens	LW6	Wallwash	WR ²	White	LD	Matte diffuse	120	120V
		35/	3500K	15	1500 lumens	40	4000 lumens			BR ²	Black	LS	Specular	277	277V
		40/	4000K	20	2000 lumens	50	5000 lumens							347 ³	347V

Driver	Options	
EZ10 eldoLED 10% 0-10V	SF ⁴	Single fuse
EZ1 eldoLED 1% 0-10V	TRW ⁵	White painted flange
	TRBL ⁵	Black painted flange
	ELR ⁴	Batterypack (remote)
	EL ⁴	Batterypack
	NPS80EZ ⁴	nLight® dimming pack controls 0-10V eldoLED drivers.
	NPS80EZER ⁴	nLight® dimming pack controls 0-10V eldoLED drivers. ER controls fixtures on emergency circuit.
	HAO	High ambient option
	CP	Chicago Plenum
	WL	Wet location
	RRL	RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature. Available only in RRLA, RRLB, RRLAE, and RRLC12S.

Accessories: Order as separate catalog number.

EAC ISSM 375	Compact interruptible emergency AC power system
EAC ISSM 125	Compact interruptible emergency AC power system
GRA68 JZ	Oversized trim ring with 8" outside diameter ¹
SCA6	Sloped ceiling adapter. Refer to TECH-SCA for more options.

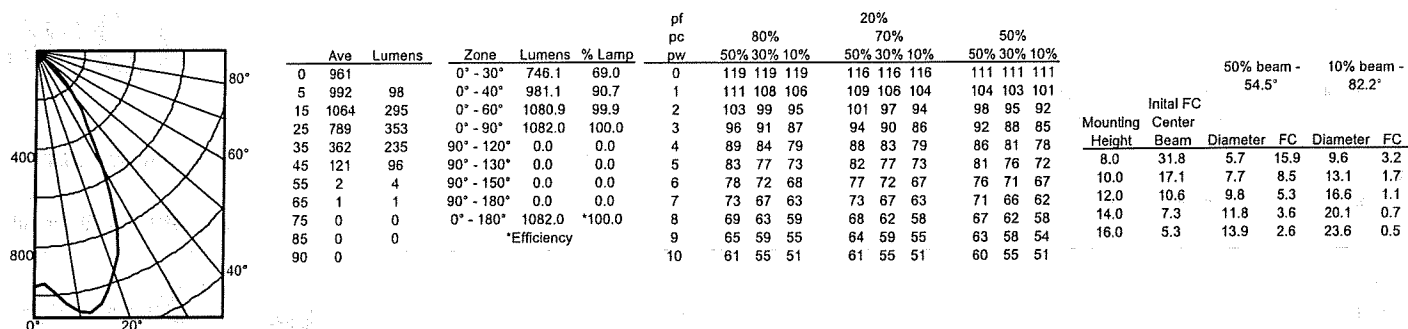
Notes

- Overall height varies based on lumen package; refer to dimensional chart on page 3.
- Not available with finishes.
- Not available with emergency options.
- Must specify voltage 120V or 277V.
- Available with clear (AR) reflector only.

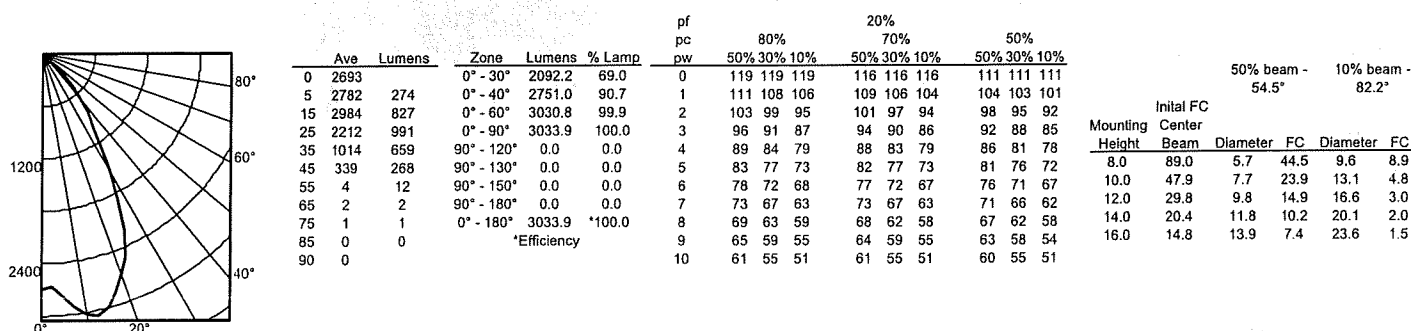
PHOTOMETRY

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

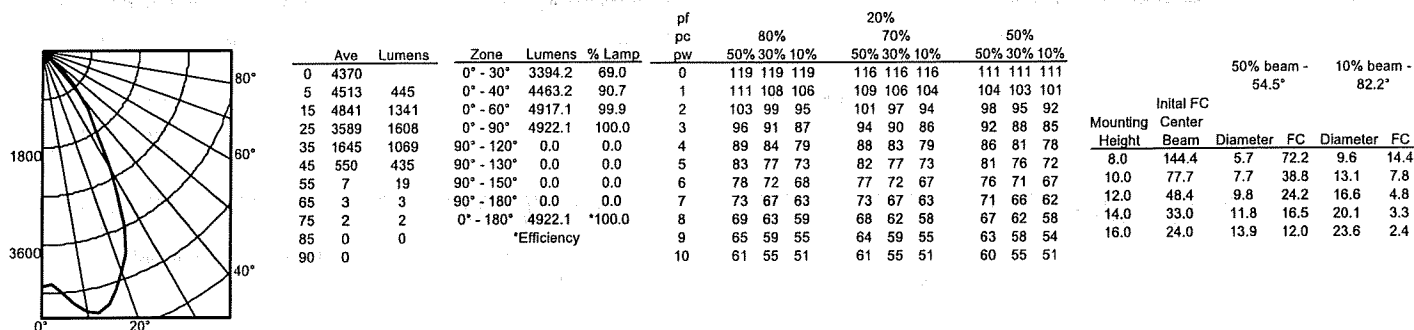
LDN6 35/10 L06AR, input watts: 12.75, delivered lumens: 1082, LM/W = 84.86, spacing criterion at 0= 1.02, test no. ISF 30716P31.



LDN6 35/30 L06AR, input watts: 34.69, delivered lumens: 3033.9, LM/W = 87.45, spacing criterion at 0= 1.02, test no. ISF 30716P22.



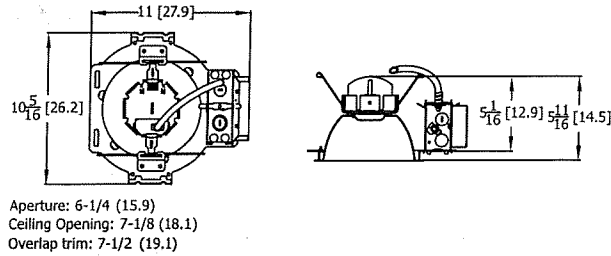
LDN6 35/50 L06AR, input watts: 55.56, delivered lumens: 4922.1, LM/W = 88.59, spacing criterion at 0= 1.02, test no. ISF 30716P40.



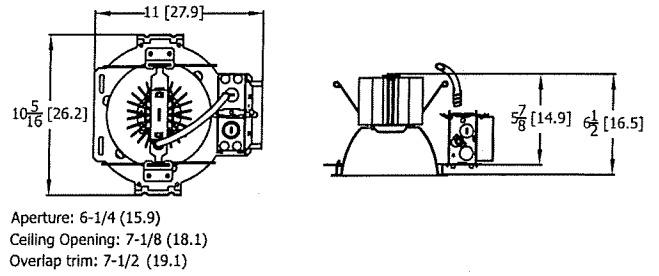
LDN6

* All dimensions are inches (centimeters) unless otherwise noted.

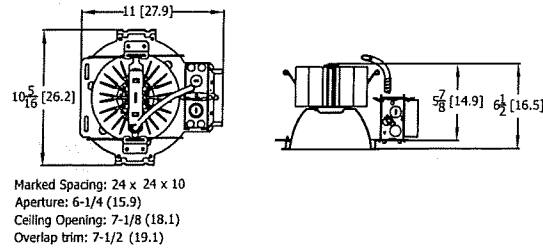
LDN6 1500 LUMEN



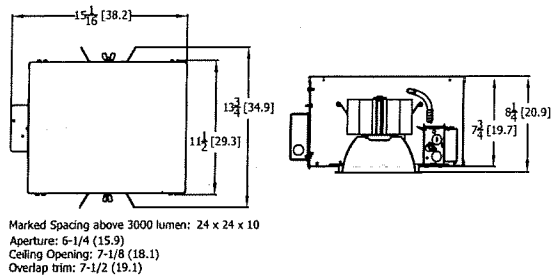
LDN6 3000 LUMEN



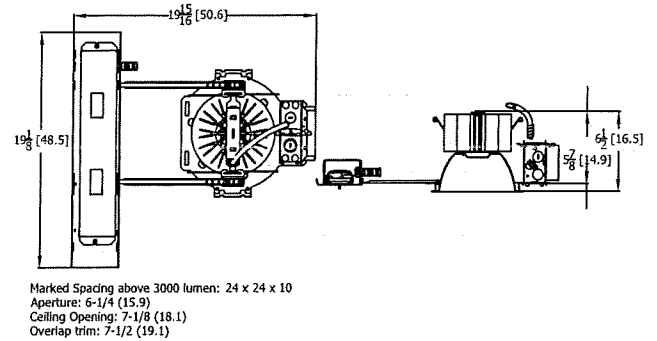
LDN6 5000 LUMEN



LDN6 CP



LDN6 1500 EL-ELR



LDN6			
Target Lumen	Lumens @ 3500K	Wattage	LPW
500	662.2	7.6	87.1
1000	1082.0	12.8	84.5
1500	1606.0	20.5	78.3
2000	2023.0	22.6	89.5
2500	2529.5	27.1	93.3
3000	3034.0	34.7	87.4
4000	3977.5	44.1	90.2
5000	4922.2	55.5	88.7

Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical.

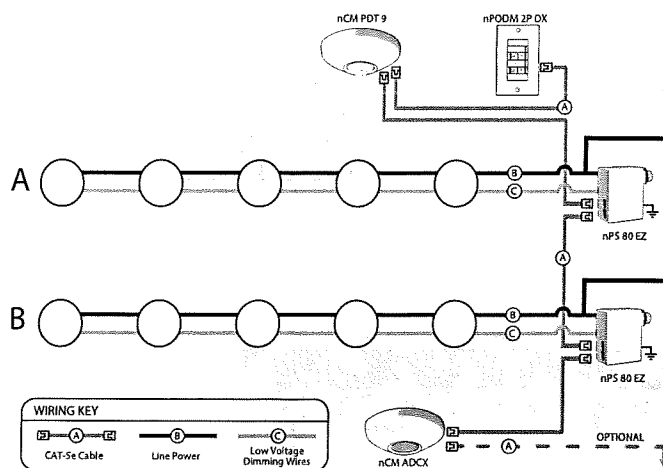
ADDITIONAL DATA

COMPATIBLE 0-10V WALL-MOUNT DIMMERS		
MANUFACTURER	PART NO.	POWER BOOSTER AVAILABLE
Lutron®	Diva® DDTV	
	Diva® DVSC TV	
	Nova T® NTFTV	
	Nova® NFTV	
Leviton®	AWSMT-7DW	CN100
	AWSMG-7DW	PE300
	AMRMG-7DW	
	Leviton Centura Fluorescent Control System	
	IllumaTech® IP7 Series	
Synergy®	ISD BC	RDMFC
	SLD LPCS	
	Digital Equinox (DEQ BC)	
Douglas Lighting Controls	WPC-5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V)	
	Tap Glide Heatsink TGH1500FAM120 (120V)	
	Oasis OA2000FAMU	
Honeywell	EL7315A1019	EL7305A1010 (optional)
	EL7315A1009	
HUNT Dimming	Preset slide: PS-010-IV and PS-010-WH	
	Preset slide: PS-010-3W-IV and PS-010-3W-WH	
	Preset slide, controls FD-010: PS-IFC-010-IV and PS-IFC-010-WH-120/277V	
	Preset slide, controls FD-010: PS-IFC-010-3W-IV and PS-IFC-010-3W-WH-120/277V	
	Remote mounted unit: FD-010	
Lehigh Electronic Products	Solitaire	PBX
PDM Electrical Products	WPC-5721	
Starfield Controls	TR61 with DALI interface port	RT03 DALInet Router
WattStopper®	LS-4 used with LCD-101 and LCD-103	

EL/ELR AVAILABILITY/COMPATIBILITY - INITIAL LUMENS			
Lumen package	Watts	Initial lumens EL/ELR	Emergency LED driver
600	12	500	PS1050
1000	18	575	PS1050
1500	26	640	PS1050
2000	35	690	PS1050

LUMEN OUTPUT MULTIPLIERS - FINISH			
	Clear (AR)	White (WR)	Black (BR)
Specular (LS)	1.0	N/A	N/A
Semi-specular (LSS)	0.950	N/A	N/A
Matte diffuse (LD)	0.85	N/A	N/A
Painted	N/A	0.87	0.73

LUMEN OUTPUT MULTIPLIERS - CCT				
	2700K	3000K	3500K	4000K
80CRI	0.950	0.966	1.000	1.025



nLight® Control Accessories:			
Order as separate catalog number. Visit www.sensorswitch.com/nLight for complete listing of nLight controls.			
WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPODM [color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPODM DX [color]	Large motion 360°, ceiling (PIR / dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX [color]	Wide view (PIR / dual tech)	nWV 16 / nWV PDT 16
Photocell controls	Model number	Wall Switch w/ Raise/Lower (PIR / dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	Cat-5 cables (plenum rated)	Model number
		10', CAT5 10FT	CAT5 10FT J1
		15', CAT5 15FT	CAT5 15FT J1



KBR8 LED

LED Specification Bollard

Catalog
Number

Notes

Type "D"

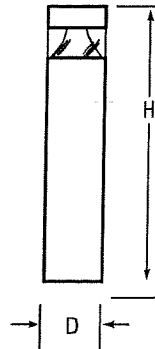
Hit this Tab by or mouse over the page to see all interactive elements.

Specifications

8" Round
(20.3 cm)

Height: 40"
(101.6 cm)

Weight
(max): 27 lbs
(12.25 kg)



Introduction

The KBR8 Bollard is a stylish, fully integrated LED solution for walkways. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 70% in energy savings over comparable 100W metal halide luminaires, the KBR8 Bollard is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: KBR8 LED 16C 700 40K SYM MVOLT DDBXD

KBR8 LED										
Series	LEDs	Drive current		Color temperature		Distribution	Voltage	Control options	Other options	Finish <i>(required)</i>
KBR8 LED	Asymmetric 12C 12 LEDs ¹	350	350 mA	30K	3000 K	ASY Asymmetric ¹	MVOLT ⁵	Shipped installed		DWHXD White
		450	450 mA ^{1,4}	40K	4000 K	SYM Symmetric ²	120 ⁵	PE Photoelectric cell, button type	SF Single fuse (120, 277, 347V) ^{4,7}	DNAXD Natural aluminum
		530	530 mA	50K	5000 K		208 ⁵	DMG 0-10V dimming driver (no controls)	DF Double fuse (208, 240V) ^{4,7}	DDBXD Dark bronze
	Symmetric 16C 16 LEDs ²	700	700 mA	AMBPC Amber phosphor converted	240 ⁵		ELCW Emergency battery backup ⁵		H24 24" overall height	DBLXD Black
				AMBLW Amber limited wavelength ^{2,4}	277 ⁵		H30 30" overall height		DDBTXD Textured dark bronze	
					347 ⁴		H36 36" overall height	DBLBXD Textured black		
								FG Ground-fault festoon outlet	DNATXD Textured natural aluminum	
								L/AB Without anchor bolts (3 bolt base)	DWHGXD Textured white	
								L/AB4 4 bolt retrofit base without anchor bolts ⁸		

Accessories

Ordered and shipped separately

MRAB U Anchor bolts for KBR8 LED³

NOTES

- Only available in the 12C, ASY version.
- Only available in the 16C, SYM version.
- Only available with 450 AMBLW version.
- Not available with ELCW.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
- Not available with 347V. Not available with fusing. Not available with 450 AMBLW.
- Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
- MRAB U not available with L/AB4 option.



Performance Data

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. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%.

Light Engines	Drive Current	System Watts	3000 K					4000 K					5000 K					Limited Wavelength Amber				
			lumens	LPW	B	U	G	lumens	LPW	B	U	G	lumens	LPW	B	U	G	lumens	LPW	B	U	G
Asymmetric 3 Engines (12 LEDs)	350	16	641	40	1	1	1	809	51	1	1	1	870	54	1	1	1					
	530	22	947	43	1	1	1	1,191	54	1	1	1	1,282	58	1	1	1					
	700	31	1,214	40	1	1	1	1,527	51	1	1	1	1,646	55	1	1	1					
	Amber 450	16																324	20	0	1	0
Symmetric 4 Engines (16 LEDs)	350	20	888	44	1	0	0	1,116	56	1	0	0	1,203	60	1	0	0					
	530	28	1,254	45	1	0	0	1,598	57	1	0	1	1,719	61	1	0	1					
	700	39	1,608	41	1	0	1	2,022	52	1	0	1	2,180	56	2	0	1					
	Amber 450	20																374	19	0	0	0

Note: Available with phosphor-converted amber LED's (nomenclature AMBPC). These LED's produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.

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	1.00	0.98	0.97	0.95

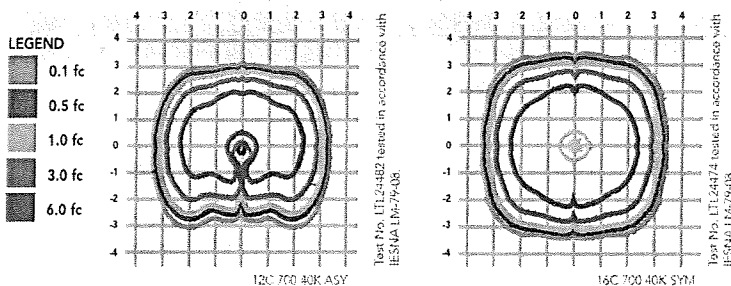
Electrical Load

Light Engines	Drive Current (mA)	System Watts	Current (A)				
			120	208	240	277	347
12C	350	16W	0.158	0.118	0.114	0.109	0.105
	530	22W	0.217	0.146	0.136	0.128	0.118
	700	31W	0.296	0.185	0.168	0.153	0.139
	Amber 450	16W	0.161	0.120	0.115	0.110	0.106
16C	350	20W	0.197	0.137	0.128	0.121	0.114
	530	28W	0.282	0.178	0.162	0.148	0.135
	700	39W	0.385	0.231	0.207	0.185	0.163
	Amber 450	20W	0.199	0.139	0.130	0.123	0.116

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's KBR8 Bollard homepage.

Isofootcandle plots for the KB LED Bollards. Distances are in units of mounting height (3').



FEATURES & SPECIFICATIONS

INTENDED USE

The rugged construction and clean lines of the KBA bollard is ideal for illuminating building entryways, walking paths, and pedestrian plazas, as well as any other location requiring a low mounting height light source with fully cutoff illumination.

CONSTRUCTION

One-piece 8-inch round extruded aluminum shaft with thick side walls for extreme durability, a high-impact clear acrylic lens and welded top cap. Die-cast aluminum mounting ring allows for easy leveling even in sloped locations and a full 360-degree rotation for precise alignment during installation. Three 1/2" x 11" anchor bolts with double nuts and washers and 3 3/4" bolt circle template ensure stability. Overall height is 42" standard.

FINISH

Exterior parts are protected by a zinc-infused super durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering for maximum retention of gloss and luster. A tightly controlled multi-stage process ensures a minimum 3-mil thickness for a finish that can withstand the elements without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Two fully cutoff optical distributions are available: symmetrical and asymmetrical. IP66 sealed LED light engine provides smoothly graduated illumination without any uplight. Light engines are available in standard 4000 K (>70 CRI) or optional 3000 K (>80 CRI) or 5000 K (67 CRI). Limited-wavelength amber LEDs are also available.

ELECTRICAL

Light engines consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (L95/100,000 hours at 700mA at 25°C). Class 2 electronic drivers are designed for an expected life of 100,000 hours with < 1% failure rate. Electrical components are mounted on a removable power tray.

LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated. Rated for -40°C minimum ambient. Cold-weather emergency battery backup rated for -20°C minimum ambient.

WARRANTY

Five-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Specifications subject to change without notice.

