

TOWN OF CHAPEL HILL Planning Department

405 Martin Luther King Jr. Blvd. Chapel Hill, NC 27514-5705

phone (919) 969-5066 fax (919) 969-2014 www.townofchapelhill.org

Community Design Commission Final Plan Application

This application should be used to submit Final Plan applications to the Community Design Commission including building elevations, site lighting, and alternative buffers. For assistance with this application, please contact the Chapel Hill Planning Department at (919) 969-5066 or at planning@townofchapelhill.org.

Section A: Propert	y Information								
Property Address:	123 Old Mason Farm Roa	123 Old Mason Farm Road							
Zoning:	OI-2								
Type of Application									
Building Elevation	on 🗌 Al	lternative B	suffers						
Section B: Applica	nt Information (for contact	purposes)						
Name:	MHAworks; Attn: Charlie	Tennant							
Address:	501 Washington Street, So	uite G							
City:	Durham	State:	NC	Zip Code:	27701				
Phone Number:	9196822870	Email:	ctennant@mhaworks.co	m	•				
= ::	plicant hereby certifies that: a) thorized staff; and c) to the beind accurate.			ormation su	pplied with this				
			Parcel Identifier Numb	er (PINI)	9788543697				

The Community Design Commission meets regularly on the fourth Tuesday of each month. For confirmation of a meeting date and the placement of your request on the agenda, please contact the Planning Department at (919) 969-5066.

Final Plan Application

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Please submit 2 sets of all materials, no later than the fourth Tuesday of the month prior to the meeting by 4 p.m. <u>Materials must be collated and folded to fit into a 12" x 15" envelope</u>. The Application Fee shall be submitted with this Application Form.

DETAILED SUMMARY OF REQUIRED INFORMATION

X 1. Application fee (refer to fee schedule) Amount Paid \$ 790

2. Digital files – provide digital files of all plans and documents

3. Approved Site Plan

The site plan for the development, as approved by the Town Council, or when applicable, the Planning Board, clearly indicating all building footprints, parking areas, sidewalks, and buffers. In particular, the site plan shall clearly indicate the specific buildings that are included in the application for building elevations approval. Finished first floor elevation (height above sea level) information shall also be provided for each building, including any applicable cross section elevation changes.

4. Detailed Exterior Building Elevations – The detailed exterior elevations shall include the following:

a) Detailed Building Elevations

- A detailed list including all materials, textures, and colors for each building. If all buildings are the same, a combined list of materials, texture, and colors is acceptable. All windows, doors, light fixtures, and other appurtenant features must indicate type, style, and color.
- A straight-on, one-dimensional view of each building façade including front, side, and rear elevations.
- Color renderings, sketches, or perspective drawings.

The applicant should bring samples of all colors and materials to the Design Commission Meeting.

b) Cross-Sections

Provide simple, typical cross-section(s) indicating how the buildings are placed on the site in relationship to topography, public access, existing vegetation, or other significant site features.

c) Floor Plans

• Show the general interior layout of the building (this aids in understanding window locations, etc.) and the relationship of pedestrian circulation and entryways.

d) Other

• Indicate the location of all HVAC, chiller, and/or ventilation units. Show how these units will be screened from the view of any relevant public rights-of-way.

All detailed building elevation plans must be the <u>final</u> versions. Any subsequent elevation modifications or changes in materials, color, etc., must be resubmitted for approval. If the Design Commission makes decisions based on any renderings, sketches, or artists' drawings presented at the meeting, these graphics will become the property of the Town and will need to be submitted for the formal record

5. Lighting Plans

- a) <u>Site Lighting Plan</u>: A detailed lighting plan for <u>all</u> proposed lighting fixtures on the site (including parking areas, pedestrian paths, building facades, landscape uplighting, etc.). The lighting plan should clearly indicate the locations of <u>all</u> light fixtures. The lighting plan shall also provide isographs with foot-candle and uniform ratios, candlepower of lamps, and types of illumination for all proposed lighting fixtures. The isographs shall be provided for the full extent of the site lighting (to the point where the lighting reaches 0.0 foot-candles), even if this includes off-site areas. The isograph shall be calculated with 100% lighting, and also identify and incorporate a site's topography.
- b) <u>Cut Sheets</u>: A detailed drawing and description shall be provided for each type of light fixture proposed on the site. The number, height, colors, and materials for each type of fixture shall be clearly indicated.

Please note that in accordance with Section 5.11 (Lighting Standards) of the Town's Land Use Management Ordinance, lighting sources shall be shielded or arrange so as not to produce, within any public right-of-way, glare that interferes with the safe use of such right-of-way or constitutes a nuisance to the occupants of adjacent properties.

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For information on illuminating canopies, please refer to the Community Design Commission's "	Design
Standards for Canopies," which is available from the Chapel Hill Planning Department.	

6. Alternative Buffer

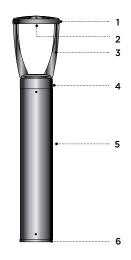
a) <u>Landscaping Plan</u>: A detailed planting plan, including a plant materials table that indicates the number, size, and spacing for each plant type.

b) Other: If a fence or wall is proposed as part of the alternative buffer, a scaled drawing or rendering shall be submitted, along with a list including all materials, textures, and colors. The applicant should bring samples of such materials to the Design Commission meeting.



MA30 SERIES MAYA - LED **Bollard**





- Cast aluminum LED heat sink.
- Optical system assembly.
- Set of two cast aluminum supporting
- Removable cast aluminum cover for easy access to electrical components and driver.
- 6" (152) diameter extruded aluminum base stand.
- 6- Cast aluminum anchor plate.



MATERIALS

MayaLED is made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%.

COB LED is assembled on a thick pad housing chamber designed with a heat sink pattern to optimize heat dissipation and luminaire efficacy. The power supply is enclosed in an isolated chamber allowing a quick access for electrical maintenance without disturbing the optical light chamber.

COB LED is removable and replaceable for ease of maintenance or lighting upgrade.

ELECTRICAL

POWER SUPPLY Standard driver is 0-10V dimming-ready (dims to 10%) with:

120-277 multi-volt compatibility (50-60Hz), operating temperature range of -30°C/-22°F to 60°C/140°F, output over voltage protection, output over current protection and output short circuit protection with auto-recovery.

LED Type II, IV or V light distribution via high performance optical lenses. Standard 4000K/80CRI. Optional 2700K,

3000K, 3500K and 5000K.

LIFE

125,000hrs (L₇₀B₅₀) based on LM-80 report for lumen maintenance.

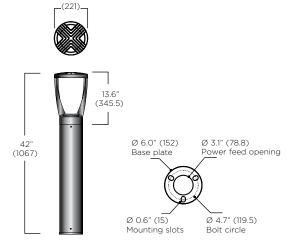
Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

MOUNTING

Mounts with a set of three 1/2"-13 x 18" lg galvanized anchor bolts.

CERTIFICATION

Tested to UL1598 and CSA22.2 #250. ETL listed for wet location. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C/77°F. Lumen depreciation in accordance with IESNA LM80 standards. CE Certification on request. Rated IP66.



LUMINAIRE SELECTION

MODEL#	LED LIGH	T SELECT	ION (4000K/80	OCRI)	VOLTAGE 1	FINISH
MODEL#	Type II	INPUT WATTS 13W 19W 34W 48W	DELIVERED LUMENS 1231 1751 3016 4183	MODEL MA30-L1W12-R2 MA30-L1W30-R2 MA30-L1W48-R2 MA30-L1W12-R4	□ 120V □ 277V Optional □ 347V □ 480V	STANDARD COLORS WHT Snow white BKT Jet black BZT Bronze MST Matte silver GRT Titanium gray DGT Gun metal CHT Champagne SGT Steel Gray BGT English Cream
- 11	Type IV	19W 34W	1825 3143	☐ MA30-L1W18-R4 ☐ MA30-L1W30-R4		OPTIONAL COLORS
ш		48W	4366	☐ MA30-LIW48-R4		Wood grain finishes
		13W	1295	☐ MA30-L1W12-R5		□ NMR Mahogany red²
□ MA30	Type V	19W	1842	☐ MA30-L1W18-R5		☐ NMO Maple oak²
		35W 50W	3293 4534	☐ MA30-L1W30-R5 ☐ MA30-L1W48-R5		☐ NTW Teak wood² Base stand only
	AMBER	LED LIGH	T SELECTION			☐ CS Custom color
		INPUT	DELIVERED			□ RAL RAL# color
		WATTS	LUMENS	MODEL		(D-ftt)
		17W	388	☐ MA30-L1W18K2A		(Refer to color chart)

NOTE: Above wattage values are based on 277V, tested at 25°C/77°F ambient temperature.

Wattage may vary by approx. +/- 10% for other voltages, or due to changes in ambient temperature.

Lumen output will remain constant.

OPTIONS

ELECTRICAL	LIGHT	MOUNTING
□ REML2-50 Remote mount battery backup for LED 90 mins, 7W. Remote mount to 50ft. 12" square enclosure with acces cover. □ PH Photocell³ □ FS Fuse³	Alternate CCT °K LED (LCF: Lumen conversion factor) K27	□ PR6 Pedestal mount adaptor. Overall height 20.5" (521). ACCESSORIES
□ SP Surge protector 10KV	NOTE: Other CCT & higher CRI available, please consult factory.	☐ GFI Ground fault interruption receptacle ⁴ ☐ BLC Back light control ⁵

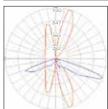
NOTES

- 1- If no voltage is specified, luminaires are factory prewired by default for 120V. For other voltages, please specify with catalog number, or consult factory.
- 2- Cast aluminum top & base covers are as follows for selected wood grain finishes: BZT paired with NMR; SGT paired with NMO; BGT paired with NTW (Other colors available. Please contact factory).
- 3- Fuse and photocell options are normally installed with poles when specified with Luminis luminaires. (Except for other types of mounting).
- 4- GFI option is installed 18" above grade unless otherwise specified.
- 5- BLC: Back Light Control Type II Distribution.



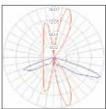
TYPICAL PHOTOMETRY SUMMARY

TYPE II



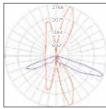
MA30-L1W12-R2

Total Lumens: 1231 Lms Total Input Watts: 12.5W Efficacy: 98.44 Lms/W BUG Rating: B2-UO-G2 Cutoff Class: Full Cutoff CCT/CRI: 4000K/80 Max Candela: 1130 @ 72.5°H/67.5°V



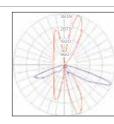
MA30-L1W18-R2

Total Lumens: 1751 Lms Total Input Watts: 18.5W Efficacy: 94.66 Lms/W BUG Rating: 82-U0-G2 Cutoff Class: Full Cutoff CCT/CRI: 4000K/80 Max Candela: 1607 @ 72.5*H/67.5°V



MA30-L1W30-R2

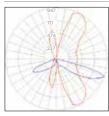
Total Lumens: 3016 Lms Total Input Watts: 33.6W Efficacy: 89.76 Lms/W BUG Rating: 82-U0-G2 Cutoff Class: Full Cutoff CCT/CRI: 4000K/80 Max Candela: 2768 @ 72.5°H/67.5°V



MA30-L1W48-R2

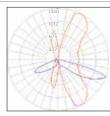
Total Lumens: 4183 Lms Total Input Watts: 48.2W Efficacy: 86.71 Lms/W BUG Rating: B2-U0-G2 Cutoff Class: Full Cutoff CCT/CRI: 4000K/80 Max Candela: 3839 @ 72.5°H/67.5°V

TYPE IV



MA30-L1W12-R4

Total Lumens: 1281 Lms Total Input Watts: 12.5W Efficacy:102.44 Lms/W BUG Rating: B2-U1-G2 Cutoff Class: Full Cutoff CCT/CRI: 4000K/80 Max Candela: 947 @ 65°H/70°V



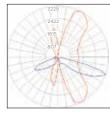
MA30-L1W18-R4

Total Lumens: 1825 Lms Total Input Watts: 18.5W Efficacy: 98.66 Lms/W BUG Rating: 82-U1-G2 Cutoff Class: Full Cutoff CCT/CRI: 4000K/80 Max Candela: 1350 @ 65°H/70°V



MA30-L1W30-R4

Total Lumens: 3143 Lms Total Input Watts: 33.6W Efficacy: 93.55 Lms/W BUG Rating: B2-U1-G2 Cutoff Class: Full Cutoff CCT/CRI: 4000K/80 Max Candela: 2325 @ 65°H/70°V



MA30-L1W48-R4

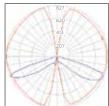
Total Lumens: 4366 Lms Total Input Watts: 48.2W Efficacy: 90.51 Lms/W BUG Rating: B3-U1-G3 Cutoff Class: Full Cutoff CCT/CRI: 4000K/80 Max Candela: 3229 @ 115°H/70°V

TYPE V



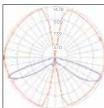
MA30-L1W12-R5

Total Lumens: 1295 Lms Total Input Watts: 12.5W Efficacy: 103.62 Lms/W BUG Rating: B1-U0-G1 Cutoff Class: Full Cutoff CCT/CRI: 4000K/80 Max Candela: 581 @ 67.5°



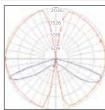
MA30-L1W18-R5

Total Lumens: 1842 Lms Total Input Water: 18.5W Efficacy: 99.55 Lms/W BUG Rating: B1-U0-G1 Cutoff Class: Full Cutoff CCT/CRI: 4000K/80 Max Candela: 827 @ 67.5°



MA30-L1W30-R5

Total Lumens: 3293 Lms Total Input Watts: 34.8W Efficacy: 94.75 Lms/W BUG Rating: B2-U0-G2 Cutoff Class: Full Cutoff CCT/CRI: 4000K/80 Max Candela: 1478 @ 67.5°



MA30-L1W48-R5

Total Lumens: 4534 Lms Total Input Watts: 49,5W Efficacy: 91,54 Lms/W BUG Rating: 83-U0-G3 Cutoff Class: Full Cutoff CCT/CRI: 4000K/80 Max Candela: 2035 @ 67.5°

Please visit our web site www.luminis.com for complete I.E.S formatted download data.

All published photometric data are executed and certified by an independent testing laboratory.



RODUCT OVERVIEW

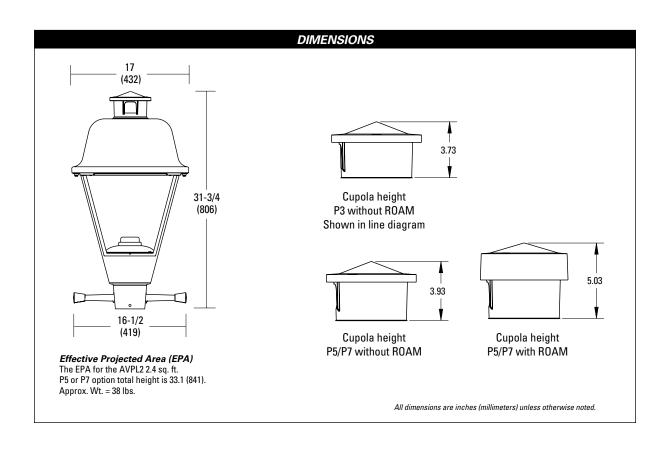


Applications:

Streetscapes Walkways **Pathways Parks**

Features:

- · Long-life platform: both the LED light engine and electronic multi-volt driver (120-277V) are rated
- 100,000 hrs at 25°C ambient (per LM-80)
- Surge protection device (standard) exceeds ANSI C62.41 Category C1 criteria (surge tested at 10kV/5kA)
- New DTL photocontrols for solid-state lighting (PCLL option) complies with ANSI C136.10 criteria
- · Downward lumens exceed that of a typical 150W HPS platform
- 3K, 4K and 5K CCT choices
- · CSA listed at 30°C
- LED electronic 0V-10V dimmable driver
- Slipfitter with three set screws allows secure installation to pole sizes 2-3/8" or 3" O.D.
- Hinged hood and captive thumb screws provision afford quick, easy access to electrical and optical area for servicing
- 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/QPL to confirm which versions are qualified.





ORDERING INFORMATION

Example: AVPL2 30LEDE10 MV0LT 4K R3 AY

Series AVPL2 Valiant LED

Performance Package

30LEDE10 30 Chips, 1000 mA Driver, 106 input watts 30 Chips, 700 mA Driver, 66 input watts 30LEDE70 20LEDE10 20 Chips, 1000 mA Driver, 72 input watts **20LEDE70** 20 Chips, 700 mA Driver, 45 input watts 10 Chips, 1000 mA Driver, 39 input watts 10LEDE10 10 Chips, 700 mA Driver, 26 input watts 10LEDE70

Voltage MVOLT

347

480

Color Temperature (CCT)

Multi-volt, 120-277V **3K** 3000K 4K 4000K 347\/ 5K 5000K 480V

Distribution

R2 Type II R3 Type III R5 Type V

Optics

Acrylic (Prismatic) AY RNA Rain Panel Acrylic

RNP Rain Panel Polycarbonate **Options**

Paint 1 (blank) Black (standard)

GY Gray DDR Dark Bronze WH White ΒZ **Bronze**

Photocontrol

P7 3

3 pin NEMA Photocontrol (blank)

Receptacle (standard)

NR² No Photocontrol Receptacle P5 ³

5 pin NEMA Photocontrol Receptacle

(dimmable driver included) 7 pin NEMA Photocontrol Receptacle

(dimmable driver included)

Solid State Long Life Photocontrol

PCLL 4,5 PCSS 4,5,6 Not CSA Listed Solid State Long Life

Photocontrol (120-277V)

<u>Miscellaneous</u>

NL NEMA Label TL Tool-less Entry LDR 7 Ladder Rest SH Shorting Cap

SHX⁶ Not CSA Listed Shorting Cap **HSB** House Side Shield Black **HSW** House Side Shield White

Not CSA Listed ΧL **Enhanced Corrosion Resistant Finish** CR

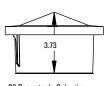
SS Stainless Steel Hardware

RCC 8 **ROAM Dimming Node Cupola Cover**

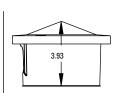
Accessories

RNC57³ **ROAM Dimming Node Cupola Cover**

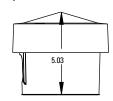
Cupola size based on type of control and receptacle



P3 Receptacle Selection Non-ROAM Control Blank



P5/P7 Receptacle Selection Non-ROAM Control P5 or P7



P5/P7 Receptacle Selection ROAM Control RCC is required with P7 + RCC

Notes:

- 1. Other colors available, please contact factory
- 2. PC and SH not available with NR option
- 3. Taller cupola cover (RCC) is required when used with ROAM or other similar wireless monitoring control systems
- 4. Standard failure mode="Fail On"
- 5. Photocontrols supplied with ANSI Standard Turn-On levels
- 6. XL option is required
- 7. Ships with unit, field installed
- 8. Required when using ROAM or other similar wireless monitoring control systems



OPERATING CHARACTERISTICS

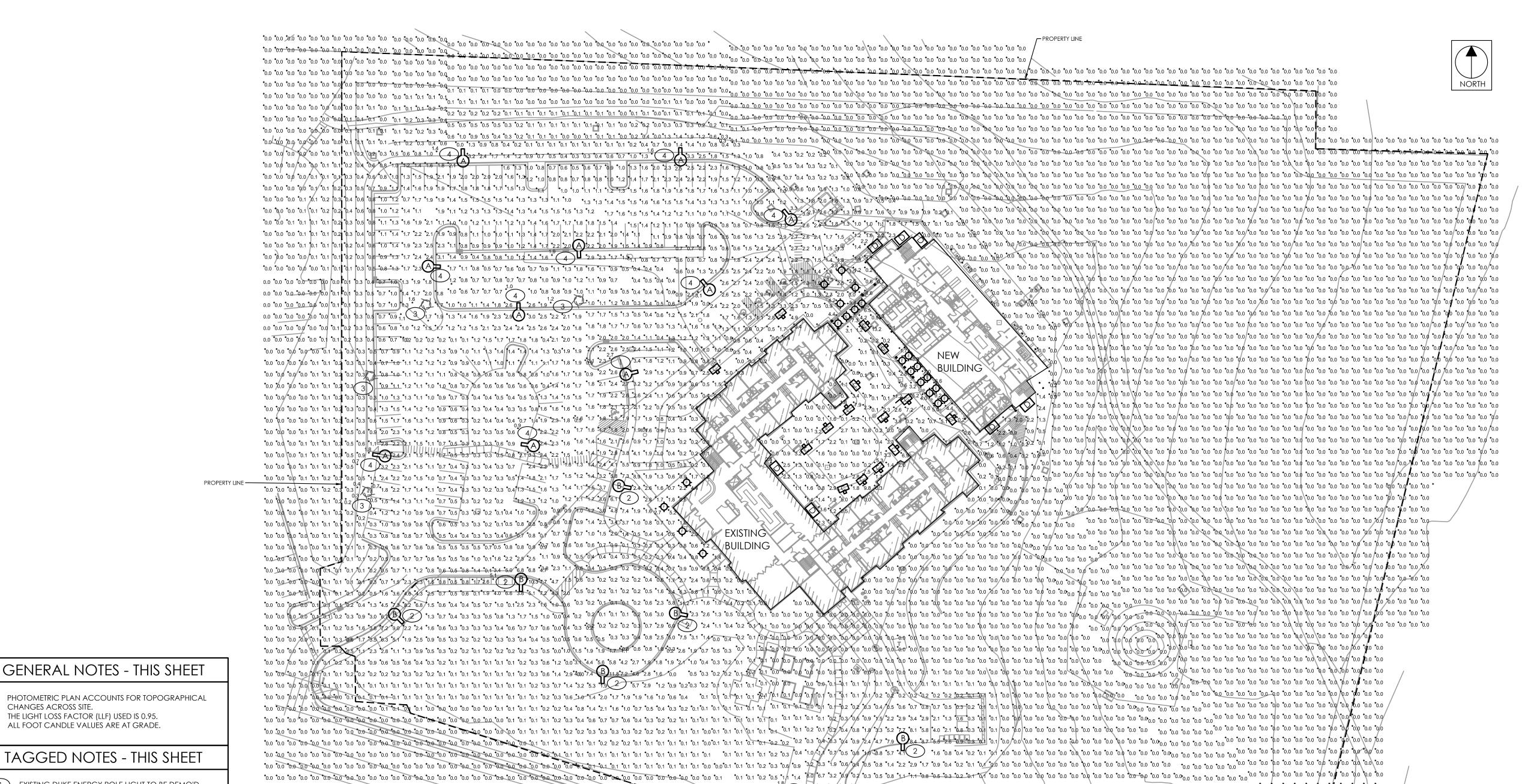
DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

				TOTAL LU	MENS		
LED Quantity, mA, CCT	Input Watts	R2-AY	LPW	R3-AY	LPW	R5-AY	LPW
30LEDE10 3K	106	7,663	72	7,496	71	8,024	76
30LEDE10 4K	106	8,228	78	8,049	76	8,616	81
30LEDE10 5K	106	8,280	78	8,100	76	8,671	82
30LEDE70 3K	66	5,831	88	5,704	86	6,105	93
30LEDE70 4K	66	6,262	95	6,125	93	6,557	99
30LEDE70 5K	66	6,300	95	6,163	93	6,597	100
20LEDE10 3K	72	5,447	76	5,329	74	5,705	79
20LEDE10 4K	72	5,849	81	5,722	79	6,126	85
20LEDE10 5K	72	5,886	82	5,758	80	6,164	86
20LEDE70 3K	45	3,998	89	3,911	87	4,186	93
20LEDE70 4K	45	4,293	95	4,199	93	4,495	100
20LEDE70 5K	45	4,319	96	4,226	94	4,523	101
10LEDE10 3K	39	2,851	73	2,788	71	2,985	77
10LEDE10 4K	39	3,060	78	2,993	77	3,204	82
10LEDE10 5K	39	3,080	79	3,012	77	3,224	83
10LEDE70 3K	26	2,041	79	1,996	77	2,138	82
10LEDE70 4K	26	2,192	84	2,144	82	2,295	88
10LEDE70 5K	26	2,205	85	2,157	83	2,309	89

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						L	UMENS P	PER WATTS					
LED Quantity, mA, CCT	Input Watts	R2-RNA	LPW	R3-RNA	LPW	R5-RNA	LPW	R2-RNP	LPW	R3-RNP	LPW	R5-RNP	LPW
30LEDE10 3K	106	8,272	78	8,067	76	8,706	82	7,616	72	7,459	70	8,022	76
30LEDE10 4K	106	8,882	84	8,663	82	9,350	88	8,178	77	8,010	76	8,615	81
30LEDE10 5K	106	8,938	84	8,717	82	9,407	89	8,229	78	8,060	76	8,668	82
30LEDE70 3K	66	6,294	95	6,139	93	6,624	100	5,796	88	5,675	86	6,104	92
30LEDE70 4K	66	6,758	102	6,592	100	7,114	108	6,224	94	6,095	92	6,555	99
30LEDE70 5K	66	6,800	103	6,633	101	7,159	108	6,261	95	6,133	93	6,596	100
20LEDE10 3K	72	5,881	82	5,735	80	6,190	86	5,415	75	5,302	74	5,703	79
20LEDE10 4K	72	6,314	88	6,159	86	6,646	92	5,814	81	5,694	79	6,125	85
20LEDE10 5K	72	6,354	88	6,197	86	6,689	93	5,850	81	5,731	80	6,163	86
20LEDE70 3K	45	4,315	96	4,208	94	4,541	101	3,972	88	3,892	86	4,186	93
20LEDE70 4K	45	4,634	103	4,519	100	4,878	108	4,267	95	4,178	93	4,494	100
20LEDE70 5K	45	4,663	104	4,547	101	4,908	109	4,293	95	4,204	93	4,522	100
10LEDE10 3K	39	3,077	79	3,000	77	3,238	83	2,832	73	2,775	71	2,983	76
10LEDE10 4K	39	3,303	85	3,222	83	3,477	89	3,041	78	2,979	76	3,204	82
10LEDE10 5K	39	3,324	85	3,242	83	3,499	90	3,060	78	2,998	77	3,224	83
10LEDE70 3K	26	2,204	85	2,149	83	2,319	89	2,028	78	1,987	76	2,137	82
10LEDE70 4K	26	2,366	91	2,307	89	2,490	96	2,179	84	2,133	82	2,295	88
10LEDE70 5K	26	2,380	92	2,322	89	2,506	96	2,192	84	2,147	83	2,308	89





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TAGGED NOTES - THIS SHEET (1) EXISTING DUKE ENERGY POLE LIGHT TO BE DEMO'D

GENERAL NOTES - THIS SHEET

CHANGES ACROSS SITE.

2. THE LIGHT LOSS FACTOR (LLF) USED IS 0.95.

3. ALL FOOT CANDLE VALUES ARE AT GRADE.

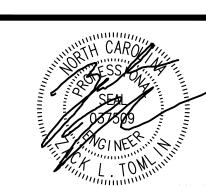
ND REPLACED WITH NEW POLE AND "A" FIXTURE. (2) EXISTING POLE LIGHT TO BE FITTED WITH LED REPLACEMENT HEAD OF EQUIVALENT BRIGHTNESS

(3) EXISTING DUKE ENERGY POLE LIGHT TO BE DEMO'D. (4) NEW POLE AND LIGHT.

				LIGHTIN	G FI	XTUF	RE SCHE	DULE	=	
MARK	MANUF.	CATALOG		AMP DATA	VOLTS		BALLAST DATA		MOUNTII	G DESCRIPTION
		NUMBER	NO.	TYPE		NO.	TYPE	WATTS		
Α	LITHONIA	KAD LED 30C 1000 30K R3 MVOLT	-	LED ARRAY	120	-	DRIVER	108	POLE	POLE MOUNTED "SHOEBOX" STYLE LED FIXTURE. 3000K COLOR TEMP. WITH 20' POLE. MOUNTED AT 20'. FULL CUTOFF. 10,700 LUMENS.
В	AMERICAN ELECTRIC LIGHTING	AVPL2 30LEDE10 XXXX 3K R3 RNA	-	LED ARRAY	120	-	DRIVER	106	POLE	"VALIANT" LED POLE MOUNTED LIGHT. CLEAR ACRYLIC LENS. RAIN OPTIC. 3000K COLOR TEMP. 7500 LUMENS. MOUNTED ON EXISTING POLE AT 12'-0'
С	LUMINIS	MA30-L1W12-R4	-	LED	120	-	DRIVER	30	BOLLARD	"MAYA" LED BOLLARD. 42" HEIGHT. 3000K COLOR TEMP. 1280 LUMENS. FULL CUTOFF.
D	LITHONIA	WSQ LED 1 10A700/30K SR3 MVOLT	-	LED	120	-	DRIVER	24	WALL	ROUNDED ARCHITECTURAL SCONCE LIGHT. 3000K COLOR TEMP. 2000 LUMENS. MOUNTED AT 8'-6" ABOVE GRADE.
Е	LITHONIA	6BPMW LED	-	LED	120	-	DRIVER	13	RECESSED	6" ROUND RECESSED LED FIXTURE. 3000K COLOR TEMP. 900 LUMENS.
F	-	-	-	-	120	-	DRIVER	13	RECESSED	EXISTING RECESSED DOWNLIGHTS.

\$\bar{1}{0.0}\$ \$\bar{ \$\frac{1}{20}\$ \frac{1}{20}\$ \ ROADWAY: OLD MASON FARM RD — **\b\dagged_{0.0} \dagged_{0.0} \dagged_{0.0 + +_{0.0} SITE PHOTOMETRIC PLAN

ditio



ARE INSTRUMENTS OF SERVICE AND AS SUCH SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY HAVE BEEN
PREPARED FOR A SPECIFIC PROJECT AND SHALL NOT BE USED
IN CONJUNCTION WITH ANY OTHER PROJECTS WITHOUT PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

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SHEET NAME: SITE PHOTOMETRIC

DESIGN AND DEVELOPMENT

REVISIONS:

ISSUE DATE: **02.26.18** PROJECT #: 15084 DRAWN BY: TDA

SHEET NUMBER





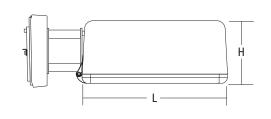






Specifications

opece	410115
EPA:	1.2 ft ² (0.11 m ²)
Length:	17-1/2" (44.5 cm)
Width:	17-1/2" (44.5 cm)
Height:	7-1/8" (18.1 cm)
Weight	36 lbs



A - Fixture

(max):

36 lbs.



4+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM®2 or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background¹

To learn more about A+, visit www.acuitybrands.com/aplus.

- 1. See ordering tree for details.
- 2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: KAD LED 40C 1000 40K R5 MVOLT SPD04 DDBXD

KAD LED							
Series	LEDs	Drive current	ССТ	Distribution	Voltage	Mounting ³	
KAD LED	20C¹ 20 LEDs 30C¹ 30 LEDs 40C 40 LEDs 60C 60 LEDs	530 530 mA ¹ 700 700 mA 1000 1000 mA	30K 3000 K 40K 4000 K 50K 5000 K	R2 Type II R3 Type III R4 Type IV R5 Type V	MVOLT 277 ² 120 ² 347 ¹ 208 ² 480 ¹ 240 ²	Shipped included SPUMBAK_ Square pole universal mounting adaptor 4 04 4" arm RPUMBAK_ Round pole universal mounting adaptor 4 06 6" arm SPD Square pole 09 9" arm 3" RPD Round pole 12 12" arm 3" WBD Wall bracket WWD Wood pole or wall	DAD12P Degree arm (pole) DAD12WB Degree arm (wall) KMA Mast arm external fitter

Option								Finish (re			
Shipp	ed installed					Shipp	oed separately 11	DDBXD	Dark bronze	DDBTXD	Textured dark
PER5	NEMA twist-lock five-wire receptacle only (no controls) 5	PIR1FC3V	Bi-level, motion/ambient sensor, 8-15' mounting height, ambient	PNMTDD3	Part night, dim till dawn ^{7,10}	WG	Wire guard	DBLXD DNAXD	Black Natural	DBLBXD	bronze Textured black
PER7	Seven-wire receptacle only (no controls) 5	DIDUATOR	sensor enabled at 1fc ^{6,7}	PNMT5D3	Part night, dim 5				aluminum	DNATXD	Textured natural
SF	Single fuse (120, 277, 347V) ²	PIRH1FC3V	1E 20'mounting height ambi	hrs ^{7,10}			DWHXD	White		aluminum	
DF	Double fuse (208, 240, 480V) ²		ent sensor enabled at 1fc ^{6,7} PNMT6D3		Part night, dim 6 hrs ^{7,10}					DWHGXD	Textured white
PIR	Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc 6,7	BL30	Bi-level switched dimming, 30% ^{7,8,9}	PNMT7D3	Part night, dim 7 hrs ^{7,10}						
PIRH	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ^{6,7}	BL50	Bi-level switched dimming, 50% 7,8,9	HS	Houseside shield 11						



Ordering Information

Stock configurations are offered for shorter lead times:

	Stock Part Number
KAD LED 30C 1000 40K R3 MVOLT PUMBAK09 DDB	XD* KADL 30C 40K R3
KAD LED 30C 1000 40K R5 MVOLT PUMBAK09 DDB	XD* KADL 30C 40K R5
KAD LED 40C 1000 40K R3 MVOLT PUMBAK09 DDB	XD* KADL 40C 40K R3
KAD LED 40C 1000 40K R5 MVOLT PUMBAK09 DDB	XD* KADL 40C 40K R5
KAD LED 30C 1000 40K R3 MVOLT PUMBAK09 PIRH	DDBXD* KADL 30C 40K R3 PIRH
KAD LED 30C 1000 40K R5 MVOLT PUMBAK09 PIRH	DDBXD * KADL 30C 40K R5 PIRH
KAD LED 40C 1000 40K R3 MVOLT PUMBAK09 PIRH	DDBXD* KADL 40C 40K R3 PIRH
KAD LED 40C 1000 40K R5 MVOLT PUMBAK09 PIRH	DDBXD* KADL 40C 40K R5 PIRH

^{*}PUMBAK is not standard nomenclature.

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) 12
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) 12
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) 12
DSHORT SBK U	Shorting cap 12
KADLEDHS 20C U	Houseside shield for 20 LED unit
KADLEDHS 30C U	Houseside shield for 30 LED unit
KADLEDHS 40C U	Houseside shield for 40 LED unit
KADLEDHS 60C U	Houseside shield for 60 LED unit
KMA DDBXD U	Mast arm adapter (specify finish)
KADWG U	Wire guard accessory
PUMBAK DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish)

For more control options, visit $\ensuremath{\mathsf{DTL}}$ and $\ensuremath{\mathsf{ROAM}}$ online.

NOTES

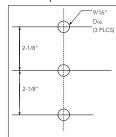
- 20C or 30C LED are not available with 530 Drive Current and 347V or 480V
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse
- (DF) requires 208, 240 or 480 voltage option.

 9" or 12" arm is required when two or more luminaires are oriented on a 90° drilling pattern.
- Available as a separate combination accessory: PUMBAK (finish) U.
- Mounting must be restricted to $\pm 45^\circ$ from horizontal aim per ANSI C136.10-2010. Not available with motion sensor.
- PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIR1FC3V specify the SensorSwitch SBGR-6-ODP control; see Outdoor Control Technical Guide for details. Dimming driver standard. Not available with PER5 or PER7. Separate on/off require.
- Maximum ambient temperature with 347V or 480V is 30°C.
- Requires an additional switched circuit with same phase as main luminaire power. Supply circuit and control circuit are required to be in the same phase.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, PER5, PER7 or PNMT options.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, PER5, PER7, BL30 or BL50.
- Also available as a separate accessory; see Accessories information. Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.

Drilling

Template #5

Top of Pole



Tenon Mounting Slipfitter**

Tenon O.D.	Single Unit	2 at 180°	2 at 90° †	3 at 120°	3 at 90° †	4 at 90°†
2-3/8"	T20-190	T20-280	T20-290	T20-320 [†]	T20-390	T20-490
2-7/8"	T25-190	T25-280	T25-290	T25-320	T25-390	T25-490
4"	T35-190	T35-280	T35-290	T35-320	T35-390	T35-490

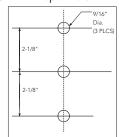
** For round pole mounting (RPDXX) only. † Requires 9" or 12" arm.

^{*}Round pole top must be 3.25" O.D. minimum.

Drilling

Template #5

Top of Pole



Tenon Mounting Slipfitter**

Tenon O.D.	Single Unit	2 at 180°	2 at 90°†	3 at 120°	3 at 90°†	4 at 90° †
2-3/8"	T20-190	T20-280	T20-290	T20-320 [†]	T20-390	T20-490
2-7/8"	T25-190	T25-280	T25-290	T25-320	T25-390	T25-490
4"	T35-190	T35-280	T35-290	T35-320	T35-390	T35-490

** For round pole mounting (RPDXX) only. † Requires 9" or 12" arm.

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.

	Drive Current	System	Dist.		30K		40K				50K							
LEDs	(mA)	Watts	Type		(300	0 K, 70	CRI)			(400	0 K, 70	CRI)			(500	0 K, 70	CRI)	
	(,			Lumens	В	U	G	LPW	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW
			R2	4,140	1	0	1	118	4,446	1	0	1	127	4,473	1	0	1	128
	530 mA	35W	R3	4,123	1	0	1	118	4,427	1	0	1	126	4,455	1	0	1	127
			R4	4,128	1	0	1	118	4,433	1	0	1	127	4,460	1	0	1	127
			R5	4,381	2	0	1	125	4,704	3	0	1	134	4,734	3	0	1	135
			R2	5,271	1	0	1	117	5,660	1	0	1	126	5,696	1	0	2	127
20C	700 mA	45W	R3	5,250	1	0	2	117	5,637	1	0	2	125	5,672	1	0	2	126
			R4	5,256	1	0	2	117	5,644	1	0	2	125	5,679	1	0	2	126
			R5	5,578	3	0	1	124	5,990	3	0	1	133	6,027	3	0	1	134
			R2	7,344	1	0	2	101	7,886	2	0	2	108	7,935	2	0	2	109
	1000 mA	73W	R3	7,314	1	0	2	100	7,854	1	0	2	108	7,903	1	0	2	108
		/3	R4	7,322	1	0	2	100	7,863	1	0	2	108	7,912	1	0	2	108
			R5	7,771	3	0	1	106	8,345	3	0	1	114	8,397	3	0	1	115
			R2	6,166	1	0	2	116	6,621	1	0	2	125	6,663	1	0	2	126
	530 mA	53W	R3	6,141	1	0	2	116	6,594	1	0	2	124	6,635	1	0	2	125
	330	33	R4	6,148	1	0	2	116	6,602	1	0	2	125	6,643	1	0	2	125
			R5	6,525	3	0	1	123	7,006	3	0	1	132	7,050	3	0	1	133
			R2	7,817	2	0	2	113	8,395	2	0	2	122	8,447	2	0	2	122
30C	700 mA	69W	R3	7,785	1	0	2	113	8,360	2	0	2	121	8,412	2	0	2	122
300	7001111	0,11	R4	7,794	1	0	2	113	8,370	1	0	2	121	8,422	1	0	2	122
			R5	8,272	3	0	2	120	8,883	3	0	2	129	8,938	3	0	2	130
			R2	10,755	2	0	2	100	11,549	2	0	2	107	11,621	2	0	2	108
	1000 mA	108W	R3	10,711	2	0	2	99	11,502	2	0	2	106	11,574	2	0	2	107
	TOOUTIIA	10000	R4	10,724	2	0	2	99	11,515	2	0	2	107	11,587	2	0	2	107
			R5	11,381	3	0	2	105	12,221	4	0	2	113	12,297	4	0	2	114
			R2	8,156	2	0	2	115	8,758	2	0	2	123	8,812	2	0	2	124
	530 mA	71W	R3	8,122	2	0	2	114	8,722	2	0	2	123	8,776	2	0	2	124
	330 1114	/ '''	R4	8,132	1	0	2	115	8,732	1	0	2	123	8,786	1	0	2	124
			R5	8,630	3	0	2	122	9,267	3	0	2	131	9,325	3	0	2	131
			R2	10,286	2	0	2	109	11,045	2	0	2	118	11,114	2	0	2	118
40C	700 mA	94W	R3	10,244	2	0	2	109	11,000	2	0	2	117	11,069	2	0	2	118
100	7001111	/ / //	R4	10,256	2	0	2	109	11,013	2	0	2	117	11,081	2	0	2	118
			R5	10,884	3	0	2	116	11,688	4	0	2	124	11,761	4	0	2	125
			R2	13,923	2	0	2	99	14,951	2	0	2	106	15,045	2	0	2	107
	1000 mA	141W	R3	13,866	2	0	3	98	14,890	2	0	3	106	14,983	2	0	3	106
	100011111		R4	13,882	2	0	3	98	14,907	2	0	3	106	15,000	2	0	3	106
			R5	14,733	4	0	2	104	15,821	4	0	2	112	15,920	4	0	2	113
			R2	11,996	2	0	2	116	12,882	2	0	2	125	12,963	2	0	2	126
	530 mA	103W	R3	11,947	2	0	2	116	12,829	2	0	2	125	12,909	2	0	2	125
	330 IIIA	105	R4	11,961	2	0	2	116	12,844	2	0	2	125	12,925	2	0	2	125
			R5	12,694	4	0	2	123	13,632	4	0	2	132	13,717	4	0	2	133
			R2	14,927	2	0	2	109	16,029	3	0	3	117	16,130	3	0	3	118
600	60C 700 mA 1	137W	R3	14,866	2	0	3	109	15,964	2	0	3	117	16,063	2	0	3	117
000		15/11	R4	14,884	2	0	3	109	15,982	2	0	3	117	16,082	2	0	3	117
			R5	15,796	4	0	2	115	16,962	4	0	2	124	17,068	4	0	2	125
			R2	19,328	3	0	3	89	20,754	3	0	3	96	20,884	3	0	3	97
	1000 mA	216W	R3	19,248	3	0	3	89	20,669	3	0	4	96	20,799	3	0	4	96
	1000 MA 216W	21011	R4	19,271	3	0	3	89	20,693	3	0	4	96	20,823	3	0	4	96
			R5	20,452	4	0	2	95	21,962	4	0	2	102	22,099	4	0	2	102



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0.40°C (32-104°F).

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

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the KAD LED platform 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					
		KAD LED	60C 1000						
	1.0	0.91	0.86	0.76					
Lumen Maintenance		KAD LED 40C 1000							
Factor	1.0	0.93	0.88	0.79					
		KAD LED	60C 700						
	1.0	0.98	0.97	0.94					

Electrical Load

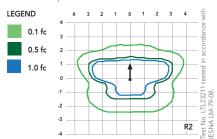
							nt (A)		
	Number of LEDs	Drive Current (mA)	System Watts	120	208	240	277	347	480
		530	35	0.30	0.18	0.16	0.15	-	-
	20	700	45	0.39	0.23	0.20	0.18	0.15	0.12
_		1000	73	0.61	0.35	0.31	0.27	0.22	0.17
		530	53	0.44	0.26	0.23	0.20	-	-
	30	700	69	0.58	0.34	0.29	0.26	0.21	0.16
		1000	108	0.90	0.52	0.46	0.40	0.32	0.24
		530	71	0.60	0.35	0.32	0.29	0.21	0.16
	40	700	94	0.79	0.46	0.41	0.36	0.27	0.20
		1000	141	1.18	0.68	0.59	0.52	0.42	0.30
		530	103	0.87	0.50	0.44	0.39	0.29	0.22
	60	700	137	1.15	0.66	0.58	0.51	0.40	0.29
		1000	216	1.81	1.04	0.92	0.81	0.63	0.47

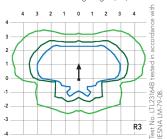
NOTE: All ratings in this table are for a nominal system operated at 25°C ambient temperature. Current and power specifications in this table do not include branch circuit derating specified in the National Electrical Code. Please observe all applicable electrical codes and ratings.

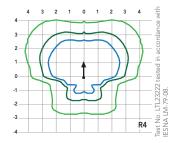
Photometric Diagrams

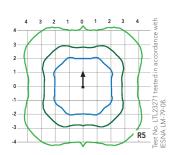
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's KAD LED homepage.

Isofootcandle plots for the KAD LED 60C 1000 40K. Distances are in units of mounting height (20').









FEATURES & SPECIFICATIONS

INTENDED USE

The energy savings and long life of the KAD LED area luminaire make it a reliable choice for illuminating streets, walkways, parking lots, and surrounding areas.

CONSTRUCTION

Single-piece die-cast, aluminum housing with contoured edges has a 0.12" nominal wall thickness. Die-cast door frame has an impact-resistant, tempered glass lens that is fully gasketed with one piece tubular silicone.

FINISH

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

OPTICS

Precision-molded refractive acrylic lenses are available in four distributions. Light engines are available in standard 4000K, 3000K or 5000K (70 CRI) configurations.

ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to a metal-core circuit board and aluminum heat sink, ensuring optimal thermal management and long life. Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION

Included universal mounting block and extruded aluminum arm facilitate quick and easy installation using nearly any existing drilling pattern. Stainless steel bolts fasten the luminaire to the mounting block securing it to poles or walls. The KAD LED can withstand up to a 1.5 G vibration load rating per ANSI C136.31. The KAD LED also utilizes the standard K-Series (Template #5) for pole drilling.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. Rated for -40°C minimum ambient.

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/QPL to confirm which versions are qualified.

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.





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 $>45^{\circ}$.

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.

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

E26 socket adapter 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. California T24 compliant. Wet location listed for indoor use only. WSEC ASTM E283 for Air-Tight (with IC housings). ENERGY STAR® certified product.

WARRANTY — 5-year limited warranty. Complete warranty terms located at $\underline{www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx}$

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.

PATENTS PENDING.

Catalog Number Notes Type



6BP/60P

LED Recessed Downlighting

6" LED Module

IC/Non-IC Retrofit

LOCATION "





(included)



Friction clip shown (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.





Example: 6BP TRMW LED 27K 90CRI

5-7/8 (14.9)

7-5/8

ORDERING INFORMATION

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

Series/Finish		Lamp	CCT/CRI/W	/ Lumens¹	Voltage		Options	
6BPMW 6BP TRMW 6BPBN 6BPORB	6" Baffle LED module, matte white 6" Baffle LED module, black baffle, matte white flange 6" Baffle LED module, brushed nickel 6" Baffle LED module, oil-rubbed bronze	LED	(blank) 27K 90CRI 30K 90CRI 40K 90CRI	3000 K / 83 CRI / 12.7W / 725L 2700 K / 93 CRI / 10.25W / 600L 3000 K / 93 CRI / 10.25W / 600L 4000K / 92CRI / 9.9W / 650L	(blank)	120V	L7XLED T24 L7XRLED T24 LC6LED T24 L7X L7XR	New construction rough-in LED base Remodel rough-in LED base New construction rough-in LED base New construction rough-in ² Remodel rough-in ²
		HL LED	(blank) 27K 90CRI 30K 90CRI 40K 90CRI	3000 K / 83 CRI / 15.2W / 950L 2700 K / 93 CRI / 16.7W / 860L 3000 K / 93 CRI / 16.7W / 860L 4000K / 92CRI / 16.4W / 950L			L7XP L7XPR LC6 LCP	New construction shallow rough-in ² Remodel shallow rough-in ² New construction rough-in ² New construction shallow rough-in ²
60PA 60PAZ 60PA TRMW 60PAZ TRMW	6" Open LED module, clear diffuse 6" Open LED module, clear specular 6" Open LED module, clear diffuse, matte white flange 6" Open LED module, clear specular, matte	LED	(blank) 27K 90CRI 30K 90CRI 40K 90CRI	3000 K / 83 CRI / 12.7W / 725L 2700 K / 93 CRI / 10.25W / 600L 3000 K / 93 CRI / 10.25W / 600L 4000K / 92CRI / 9.9W / 650L	(blank)	120V	L7XLED T24 L7XRLED T24 LC6LED T24 L7X L7XR	New construction rough-in LED base Remodel rough-in LED base New construction rough-in LED base New construction rough-in ² Remodel rough-in ²
	white flange	HL LED	(blank) 27K 90CRI 30K 90CRI 40K 90CRI	3000 K / 83 CRI / 15.2W / 950L 2700 K / 93 CRI / 16.7W / 860L 3000 K / 93 CRI / 16.7W / 860L 4000K / 92CRI / 16.4W / 950L			L7XP L7XPR LC6 LCP	New construction shallow rough-in ² Remodel shallow rough-in ² New construction rough-in ² 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.

DOWNLIGHTING 6BP-60P LED

TRIM INSERTS

TRIM INSERTS (for field configuration; ordered separately)

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







Black Baffle with Mattte White Trim Ring **(TRMW)**

Brushed Nickel Baffle (BN)

Oil-rubbed Bronze Baffle (ORB)









Example: 6BP TRMW R12

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* - 3000K Standard Lumens								
	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.

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

ENERGY DATA* - 3000K Hi Lumens								
	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.

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

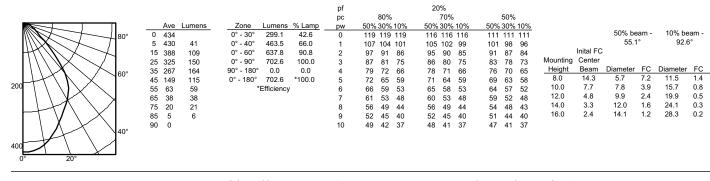


6BP-60P LED

PHOTOMETRICS

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

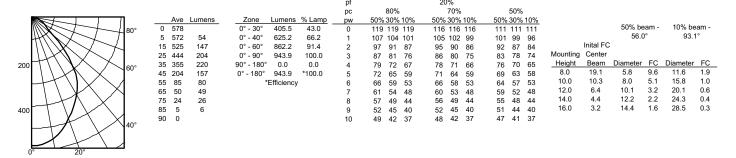
6BPMW LED, 3000 K LEDs, input watts: 12.7, delivered lumens: 703, LM/W=55.4, test no. LTL25711P, tested in accordance with IESNA LM 79-08



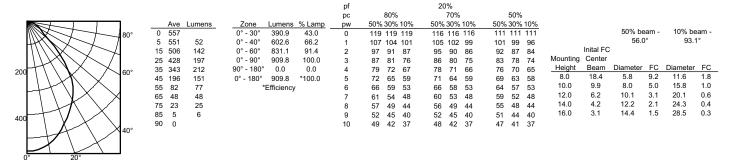
6BPMW LED 90CRI, 3000 K LEDs, input watts: 10.3, delivered lumens: 634, LM/W= 62, test no. LTL 23864P, tested in accordance with IESNA LM 79-08

								ρı		20	20 /0												
								рс		80%			70%			50%							
all a		A۱	ve Lu	umens	Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%						
1//	80°	0 38	39		0° - 30°	272.6	43.0	0	119	119	119	116	116	116	111	111	111			50% be		10% be	
- 1\		5 38	34	36	0° - 40°	420.3	66.2	1	107	104	101	105	102	99	101	99	96			56.0	,0	93.1	. •
- 13		15 35	53	99	0° - 60°	579.6	91.4	2	97	91	87	95	90	86	92	87	84		Inital FC				
r		25 29	99	137	0° - 90°	634.5	100.0	3	87	81	76	86	80	75	83	78	74	Mounting	Center				
	60°	35 23	39	148	90° - 180°	0.0	0.0	4	79	72	67	78	71	66	76	70	65	Height	Beam	Diameter	FC	Diameter	FC
	$1 \mid \mathcal{M} \setminus \mathcal{M}_{00}$	45 13		106	0° - 180°	634.5	*100.0	5	72	65	59	71	64	59		63		8.0	12.8	5.8	6.4	11.6	1.3
-	++\ \	55 5	7	54	*	Efficiency	,	6	66	59	53	66	58	53	64	57	53	10.0	6.9	8.0	3.5	15.8	0.7
200	$I \setminus V \setminus V$	65 3	3	33				7	61	54	48		53		59	52	48	12.0	4.3	10.1	2.2	20.1	0.4
	1 \ \ \ \ \	75 1		17				8	57	49	44		49			48		14.0	2.9	12.2	1.5	24.3	0.3
		85 4	4	4				9	52	45	40	52	45	40	51	44	40	16.0	2.1	14.4	1.1	28.5	0.2
⊢	$+$ \times \times	90 0)					10	49	42	37	48	42	37	47	41	37						
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \										٠.			٠.		•	٠.						
⊢																							
0°	20°																						

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

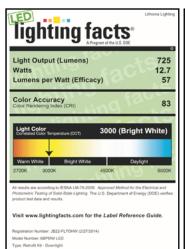


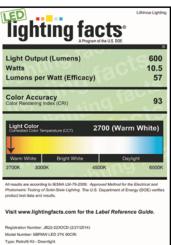
6BPMW HL LED 90CRI, 3000 K LEDs, input watts: 16.6, delivered lumens: 910, LM/W= 55, test no. LTL 23864P1, tested in accordance with IESNA LM 79-08

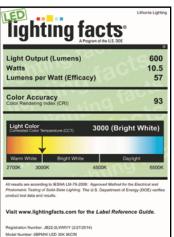




LIGHTING FACTS



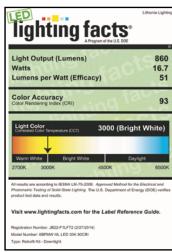


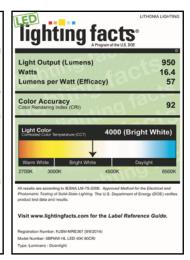














FEATURES & SPECIFICATIONS

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 $>45^{\circ}$.

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.

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

E26 socket adapter 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. California T24 compliant. Wet location listed for indoor use only. WSEC ASTM E283 for Air-Tight (with IC housings). ENERGY STAR® certified product.

WARRANTY — 5-year limited warranty. Complete warranty terms located at $\underline{www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx}$

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.

PATENTS PENDING.

Catalog Number Notes Type



6BP/60P

LED Recessed Downlighting

6" LED Module

IC/Non-IC Retrofit

LOCATION "





(included)



Friction clip shown (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.





Example: 6BP TRMW LED 27K 90CRI

5-7/8 (14.9)

7-5/8

ORDERING INFORMATION

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

Series/Finish		Lamp	CCT/CRI/W	/ Lumens'	Voltage		Options					
6BPMW 6BP TRMW 6BPBN 6BPORB	6" Baffle LED module, matte white 6" Baffle LED module, black baffle, matte white flange 6" Baffle LED module, brushed nickel 6" Baffle LED module, oil-rubbed bronze	HL LED	(blank) 27K 90CRI 30K 90CRI 40K 90CRI (blank) 27K 90CRI 30K 90CRI 40K 90CRI	3000 K / 83 CRI / 12.7W / 725L 2700 K / 93 CRI / 10.25W / 600L 3000 K / 93 CRI / 10.25W / 600L 4000K / 92CRI / 9.9W / 650L 3000 K / 83 CRI / 15.2W / 950L 2700 K / 93 CRI / 16.7W / 860L 3000 K / 93 CRI / 16.7W / 860L 4000K / 92CRI / 16.4W / 950L	(blank)	120V	L7XLED T24 L7XRLED T24 LCGLED T24 L7X L7XR L7XP L7XP L7XPR LCG LCP	New construction rough-in LED base Remodel rough-in LED base New construction rough-in LED base New construction rough-in ² Remodel rough-in ² New construction shallow rough-in ² Remodel shallow rough-in ² New construction rough-in ² New construction shallow rough-in ²				
60PA 60PAZ 60PA TRMW 60PAZ TRMW	6" Open LED module, clear diffuse 6" Open LED module, clear specular 6" Open LED module, clear diffuse, matte white flange 6" Open LED module, clear specular, matte white flange	HLLED	(blank) 27K 90CRI 30K 90CRI 40K 90CRI (blank) 27K 90CRI 30K 90CRI 40K 90CRI	3000 K / 83 CRI / 12.7W / 725L 2700 K / 93 CRI / 10.25W / 600L 3000 K / 93 CRI / 10.25W / 600L 4000K / 92CRI / 9.9W / 650L 3000 K / 83 CRI / 15.2W / 950L 2700 K / 93 CRI / 16.7W / 860L 3000 K / 93 CRI / 16.7W / 860L 4000K / 92CRI / 16.4W / 950L	(blank)	120V	L7XLED T24 L7XRLED T24 LC6LED T24 L7X L7X L7XR L7XP L7XP L7XP LC6 LCP	New construction rough-in LED base Remodel rough-in LED base New construction rough-in LED base New construction rough-in ² Remodel rough-in ² New construction shallow rough-in ² Remodel shallow rough-in ² New construction rough-in ² 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.

DOWNLIGHTING 6BP-60P LED

TRIM INSERTS

TRIM INSERTS (for field configuration; ordered separately)

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







Black Baffle with Mattte White Trim Ring **(TRMW)**

Brushed Nickel Baffle (BN)

Oil-rubbed Bronze Baffle (ORB)









Example: 6BP TRMW R12

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* - 3000K Standard	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.

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

	ENERGY DATA* - 3000K Hi Lui	nens					
	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.

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

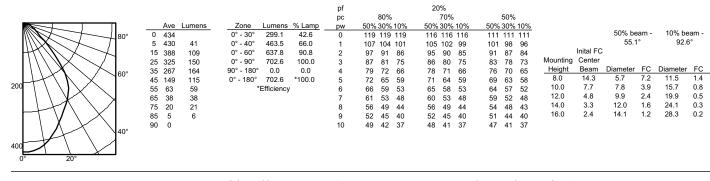


6BP-60P LED

PHOTOMETRICS

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

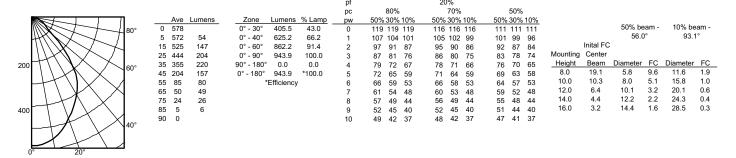
6BPMW LED, 3000 K LEDs, input watts: 12.7, delivered lumens: 703, LM/W=55.4, test no. LTL25711P, tested in accordance with IESNA LM 79-08



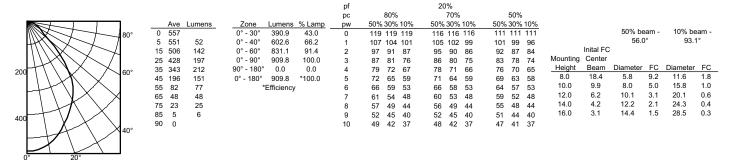
6BPMW LED 90CRI, 3000 K LEDs, input watts: 10.3, delivered lumens: 634, LM/W= 62, test no. LTL 23864P, tested in accordance with IESNA LM 79-08

								ρı		20	20 /0												
								рс		80%			70%			50%							
all a		A۱	ve Lu	umens	Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%						
1//	80°	0 38	39		0° - 30°	272.6	43.0	0	119	119	119	116	116	116	111	111	111			50% be		10% be	
- 1\		5 38	34	36	0° - 40°	420.3	66.2	1	107	104	101	105	102	99	101	99	96			56.0	,0	93.1	. •
- 13		15 35	53	99	0° - 60°	579.6	91.4	2	97	91	87	95	90	86	92	87	84		Inital FC				
r		25 29	99	137	0° - 90°	634.5	100.0	3	87	81	76	86	80	75	83	78	74	Mounting	Center				
	60°	35 23	39	148	90° - 180°	0.0	0.0	4	79	72	67	78	71	66	76	70	65	Height	Beam	Diameter	FC	Diameter	FC
	$1 \mid \mathcal{M} \setminus \mathcal{M}_{00}$	45 13		106	0° - 180°	634.5	*100.0	5	72	65	59	71	64	59		63		8.0	12.8	5.8	6.4	11.6	1.3
-	++\ \	55 5	7	54	*	Efficiency	,	6	66	59	53	66	58	53	64	57	53	10.0	6.9	8.0	3.5	15.8	0.7
200	$I \setminus V \setminus V$	65 3	3	33				7	61	54	48		53		59	52	48	12.0	4.3	10.1	2.2	20.1	0.4
	1 \ \ \ \ \	75 1		17				8	57	49	44		49			48		14.0	2.9	12.2	1.5	24.3	0.3
		85 4	4	4				9	52	45	40	52	45	40	51	44	40	16.0	2.1	14.4	1.1	28.5	0.2
⊢	$+$ \times \times	90 0)					10	49	42	37	48	42	37	47	41	37						
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \										٠.			٠.		•	٠.						
⊢																							
0°	20°																						

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

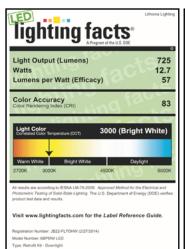


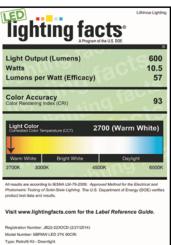
6BPMW HL LED 90CRI, 3000 K LEDs, input watts: 16.6, delivered lumens: 910, LM/W= 55, test no. LTL 23864P1, tested in accordance with IESNA LM 79-08

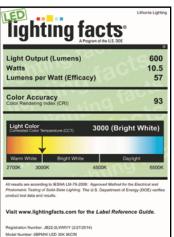




LIGHTING FACTS



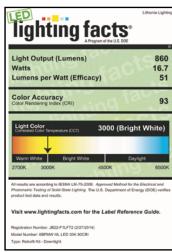


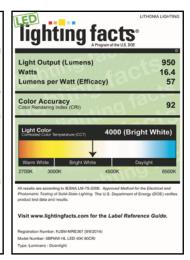














WSQ LED

Architectural Wall Sconce

D - Fixture







Inverted available with WLU option only.

Specifications

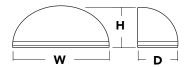
Luminaire

Height: (23.8 cm)

18" Width: (45.7 cm)

Depth: (22 8 cm)

17 lbs Weight:

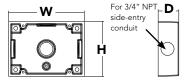


Optional Back Box (BBW)

Height: (10.2 cm)

5-1/2" Width: (14.0 cm)

1-1/2" Depth:



Catalog Notes Туре

Introduction

The classic Architectural Wall Sconce is now available with the latest in LED technology. The result is a long-life, maintenance-free product with typical energy savings of 75% compared to metal halide versions. The integral battery backup option provides emergency egress lighting, without the use of a back-box or remote gear, so installations maintain their aesthetic integrity.

The WSQ LED is ideal for replacing existing 50 -175W metal halide wall-mounted products. The expected service life is 20+ years of nighttime use.

Ordering Information

EXAMPLE: WSQ LED 2 10A700/40K SR3 MVOLT DDBTXD

WSQ LED												
Series	Light Engines		Performance Package	Distri	Distribution		Mounting		Options ³		Finish (required)	
WSQLED	2	One engine (10 LEDs) Two engines (20 LEDs)	700 mA options: 10A700/30K 3000 10A700/40K 4000 10A700/50K 5000	SR4	Type II Type III Type IV	MV0LT 1 120 1 208 1 240 1 277 1 347 480	(blank)	ed included Surface mount ed separately ² Surface-mounted back box Uptilt 5 degrees	PE SF DF DMG ELCW WLU PIR DS	Photoelectric cell, button type 4.5 Single fuse (120, 277, 347V) 4 Double fuse (208, 240, 480V) 4 0-10V dimming driver (no controls) Emergency battery backup, non CEC compliant 6.7 Wet location door for up orientation 8 Motion/ambient light sensor 9 Dual switching 10 d separately Vandal guard Wire guard	DDBXD DBLXD DNAXD DWHXD DSSXD DDBTXD DBLBXD DNATXD DWHGXD DSSTXD	Dark bronze Black Natural aluminum White Sandstone Textured dark bronze Textured black Textured natural aluminum Textured white Textured sandstone

Emergency Battery Operation

The emergency battery backup (ELCW option) is integral to the luminaire - no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

All ELCW configurations include an independent secondary driver with an integral relay to immediately detect AC power loss. Dual light engines are wired in parallel so both engines operate in emergency mode and provide additional component redundancy. These design features meet various interpretations of NFPA 70/NEC 2008 -

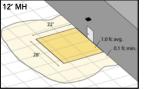
The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples below show illuminance of 1 fc average and 0.1 fc minimum of the single-engine Type IV product in

emergency mode.

WST LED 1 10A700/40K SR4 MVOLT ELCW 10' x 10' Gridlines 8' and 12' Mounting Height





- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with photocell (PE), fusing (SF, DF), or dual switching (DS).
- May also be ordered separately as an accessory. Ex: WSBBW DDBXD U. Must specify finish.
- Must be ordered with fixture; cannot be field installed.
- Not available with MVOLT option. Button photocell (PE) can be ordered with a dedicated voltage option. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Not available with 480V option. Not available with motion/ambient light
- Integral battery pack is rated for -20° to 60°C operating temperature. ELCW warranty is 3-year period. Not available with 347V or 480V. Not available with WLU.
- Cannot be used in California. Not qualified under CEC T20 requirements.
- WLU not available with PIR or ELCW.
- Specifies the SensorSwitc control (photocell included); Specifies the Sensor Switch SPOD-7-ODP control (photocell included); see Motion Sensor Guide for details. Includes ambient light sensor. Not available with "PE" option (button type photocell). Dimming driver standard. Not available with WLU, VG or WG.
- Provides 50/50 luminaire operation via two independent drivers and light engines on two separate circuits. Not available with one engine, MVOLT, ELCW, WLU, SF, or DF. Must specify voltage; voltage must be the same for both drivers. When ordered with photocell (PE) or motion sensor (PIR), only the primary power source leads will be controlled.



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

Light	Performance Package	System Watts (MVOLT ¹)	Dist. Type	40K (4000K, 70 CRI)				50K (5000K, 70 CRI)					
Engines				Lumens	В	U	G	LPW	Lumens	В	U	G	LPW
			SR2	2,005	1	0	1	84	2,159	1	0	1	90
(10 LED-)	10A700/K	24W	SR3	2,029	1	0	1	85	2,160	1	0	1	90
(10 LEDs)			SR4	1,959	1	0	1	82	2,069	1	0	1	86
2 (20 LEDs)	10A700/K	K 47W	SR2	3,944	1	0	1	84	4,265	1	0	1	91
			SR3	4,028	1	0	1	86	4,355	1	0	1	93
			SR4	3,851	1	0	1	82	4,123	1	0	1	88

See electrical load chart for 347/480V system watts.

Lumen Ambient Temperature (LAT) Multipliers

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

Amb	Ambient					
0°C	32°F	1.10 1.06 1.02				
10°C	50°F					
20°C	68°F					
25°C	77°F	1.00				
30°C	86°F	0.98				
40°C	104°F	0.92				

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **WSQ LED 2 10A700** platform 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	0.94	0.88	0.77

Electrical Load

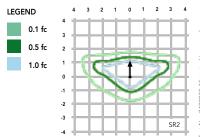
		Current (A)						
Light Engines	Drive Current (mA)	System Watts	120	208	240	277	347	480
1	700	24W	0.24	0.14	0.12	0.1	-	-
1		29W1	-	-	-	-	0.09	0.07
2	700	47W	0.44	0.27	0.23	0.20	-	-
2		53W1	-	-	-	-	0.17	0.12

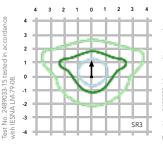
¹ Higher wattage is due to electrical losses from step-down transformer.

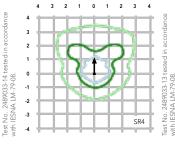
Photometric Diagrams

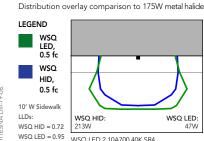
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's WSQ LED homepage.

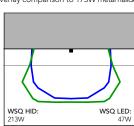
Isofootcandle plots for the WSQ LED 2 10A700/40K SR2, SR3, and SR4. Distances are in units of mounting height (12').











WSQ LED 2 10A700 40K SR4, WSQ 175M FT Probe, 12' Mounting Ht

FEATURES & SPECIFICATIONS

INTENDED USE

The classic architectural shape of the WSQ LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

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 IP65 rating for the luminaire.

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

OPTICS

Precision-molded acrylic lenses are engineered for superior distribution, uniformity, and spacing in wall-mount applications. Light engines are 4000K (70 CRI). The WSQ LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Ğreen Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 25°C, L77). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated; luminaire is IP65 rated and suitable for wet locations when mounted with the lenses down. WLU option offers wet location listing in "up" orientation. Rated for -30°C minimum ambient.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/

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.

