

SITE PLAN-LIGHTING PHOTOMETRIC
SCALE 1" = 10'

ELECTRICAL SHEET INDEX	
SHEET NUMBER	DESCRIPTION
SP-3.0	SITE PLAN - LIGHTING PHOTOMETRIC
SP-3.1	LIGHTING CUT SHEET AND SCHEDULES

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DESCRIPTION:
SITE PLAN LIGHTING PHOTOMETRIC
DRAWN BY: S.D.
CHECKED BY: S.D.
DATE: 05-17-23
PROJECT #: 008-23-03-16
SCALE: 1"=10'-0"

SEAL:

Date	No.	Issued by

SHEET NO.
SP-3.0

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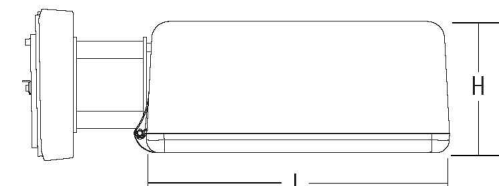


KAD LED LED Area Luminaire



Specifications

EPA: 1.2 ft² (0.11 m²)
 Length: 17-1/2" (44.5 cm)
 Width: 17-1/2" (44.5 cm)
 Height: 7-1/8" (18.1 cm)
 Weight (max): 36 lbs. (16.4 kg)



Category Number	
Notes	
Type	

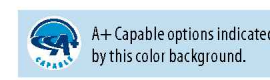
Capable Luminaire

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+ equipped luminaires meet the A+ specification for luminaire to photocell interoperability
- 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 background

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

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



Ordering Information

EXAMPLE: KAD LED 40C 1000 40K R5 MVOLT SPD04 DBB2D

Series	LEDs	Drive current	CCT	Distribution	Voltage	Mounting
KAD LED	20C ¹ 20 LEDs	530 530 mA	30K 3000 K	R2 Type I	MVOLT ² 277 ³	Shipped included
	30C ¹ 30 LEDs	700 700 mA	40K 4000 K	R3 Type II	120 ⁴ 347 ^{3,5}	Shipped separately
	40C 40 LEDs	1000 1000 mA	50K 5000 K	R4 Type IV	208 ^{4,6} 480 ^{3,5}	
	60C 60 LEDs			R5 Type V ⁷	240 ^{4,6}	

Options	Finish required
Shipped installed	
PERM Non-wireless lock-free wire receptacle only (no controls) ^{1,8,9}	DBB2 Dark bronze
PERD Seven-wire receptacle only (no controls) ^{1,8,9}	DBB3 Textured dark bronze
DF Single fuse (120, 277, 347V) ⁴	DBL0 Textured black
DF Double fuse (208, 240, 480V) ⁴	DBL1 Textured natural aluminum
PRB Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 16.1' minimum ¹⁰	DBL2 Textured white
PRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 16.1' minimum ¹⁰	DBL3 Textured white

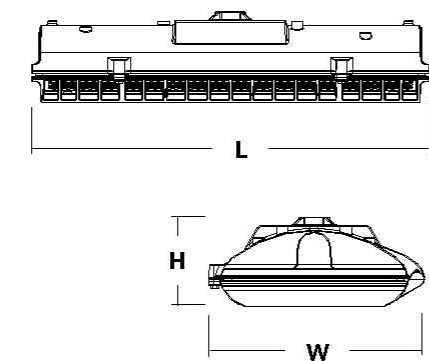


D-Series LED Surface Canopy



Specifications

Length: 17-3/4" (45.1 cm)
 Width: 8-1/2" (21.6 cm)
 Height: 3-7/16" (9.7 cm)
 Weight (max): 16 lbs (7.3 kg)



Category Number	
Notes	
Type	

Introduction

The D-Series LED Surface Canopy luminaire is ideal for covered walkways or drive-thrus, semi-covered outdoor aisles, and walk-in coolers and freezers. Its five optical choices provide the design flexibility to potentially reduce luminaire counts while still meeting IES criteria, lowering overall energy consumption.

Its expected service life of over 100,000 hours (20 years of nighttime operation) combined with the available motion/ambient sensor offers an extremely low maintenance solution that yields quick payback.

EXAMPLE: DSXSC LED 20C 700 40K T5M MVOLT SRM DWHXD

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
DSXSC LED	10C 10 LEDs (one engine) ¹²	350 350 mA	30K 3000 K	T5E Type V, entryway ⁴	MVOLT ² 277 ³	Shipped included
	20C 20 LEDs (two engines)	530 530 mA	40K 4000 K	T5M Type V, medium	120 ⁴ 347 ^{3,5}	Shipped separately
	30C 30 LEDs (three engines)	700 700 mA	50K 5000 K	T5W Type V, wide	208 ^{4,6} 480 ^{3,5}	
		1000 1000 mA (1 A)	AMBPC ³ Amber phosphor converted ³	ASY Asymmetric	240 ^{4,6}	

Options	Finish required
Shipped installed	
HS House-side shield (housing visible) ⁷	DBB2 Dark bronze
SF Single fuse (120, 277, 347V) ⁴	DBB3 Textured dark bronze
DF Double fuse (208, 240, 480V) ⁴	DBL0 Textured black
SPD Separate surge protection ⁸	DBL1 Textured natural aluminum
DMG 0-10V dimming wires pulled outside fixture (for use with an external control, or developed separately) ¹¹	DBL2 Textured white
SPD Separate surge protection ⁸	DBL3 Textured white
PRB Motion/ambient sensor for 8-15' mounting heights ¹⁰	
PRH Motion/ambient sensor for 15-30' mounting heights ¹⁰	

Accessories	Notes
DSXCSH House-side shield (1 per light engine)	1 Available with 700mA or 1000mA option only.
DSXCECU DWHXD ¹⁰ Best suited for SRM on surface - box only, white (openly finish)	2 Not available with 347 or 480V.
	3 AMBPC only available with 530mA or 700mA.
	4 DesignLights Consortium qualified.
	5 MVOLT driver operates on any line voltage from 120-277V (0.00060). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF optional).
	6 N/A with one light engine (10C). Only available with 700mA or 1000mA.
	7 Also available as a separate accessory; see Accessories information at left.
	8 Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
	9 See the electrical section on page 3 for more details.
	10 DMG not available with all PR options.
	11 Dimming driver standard. Available in layouts up to 30'. Not available with 347V or 480V. Not available with fusing.
	12 PR & PRH ¹⁰ specifies the Acuity Controls SDR or CDP motion/ambient sensor; the PRH & PRHFCV specifies the Acuity Controls SDR or CDP motion/ambient sensor.



WST LED Architectural Wall Sconce



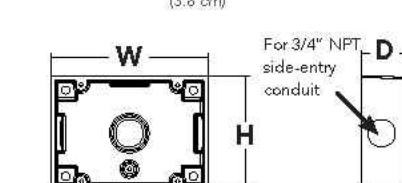
Specifications

Height: 7-1/4" (18.4 cm)
 Width: 16-1/4" (41.3 cm)
 Depth: 9-3/8" (23.8 cm)
 Weight: 17 lbs (7.7 kg)



Optional Back Box (BBW)

Height: 4" (10.2 cm)
 Width: 5-1/2" (14.0 cm)
 Depth: 1-1/2" (3.8 cm)



Category Number	
Notes	
Type	

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

EXAMPLE: WST LED 2 10A700/40K SR3 MVOLT DBB2D

Series	Light Engines	Performance Package	Distribution	Voltage	Mounting	Options ¹	Finish (required)
WST LED	1 One engine (10 LED)	700 mA options: 10A700/30K 3000K	SR2 Type II	MVOLT ² 120 ⁴	Shipped included (blank) Surface mount	Shipped installed (blank) Photocell cell, button type ^{4,5}	DBB2 Dark bronze
	2 Two engines (20 LED)	10A700/40K 4000K	SR3 Type III	120 ⁴ 208 ^{4,6}	Shipped separately ³ SRM Surface mount (12-inch length supply base)	Shipped separately ³ FE Single fuse (120, 277, 347V) ⁴	DBB3 Black
		10A700/50K 5000K	SR4 Type IV	208 ^{4,6} 480 ^{3,5}		DF Double fuse (208, 240, 480V) ⁴	DBL0 Natural aluminum
						DMG 0-10V dimming driver (see controls)	DBL1 White
						ELOW Emergency battery backup ⁷	DBL2 Textured dark bronze
						BBW Surface-mounted back box	DBL3 Textured white
						UTS Up to 5 degrees	DBL4 Textured natural aluminum
						PR Motion/ambient light sensor ¹⁰	DBL5 Textured white
						Shipped separately	DBL6 Textured white
						VG Vandal guard	DBL7 Textured sandstone
						WG Wire guard	

Emergency Battery Operation	NOTES
The emergency battery backup (ELOW option) is integral to the luminaire - no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.	1 MVOLT driver operates on any line voltage from 120-277V (0.00060) Hz. Specify 120, 208, 240 or 277 options only when ordering with photocell (PE option) or fusing (SF, DF optional).
All ELOW configurations include an independent secondary driver with an integral relay to immediately detect A/C 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 70NEC 2008 - 700.16.	2 May also be ordered separately as an accessory. Ex: WSSBW DCEBDU. Must specify finish.
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 1008 and NFPA 101 Life Safety Code Section 7.3, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.	3 Must be ordered with fixture, cannot be field installed.
The examples at right show illuminance of 1 fc average and 10 fc minimum at the single-engine type IV product in emergency mode.	4 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.
	5 Not available with 480V option. Not available with motion/ambient light sensor (PR).
	6 Integral battery pack is rated for 20° to 60°C operating temperature. ELOW warranty is 3-year period. Not available with 347V or 480V. Not available with WLU.
	7 WLU not available with PR or ELOW.
	8 Specify the Control Switch (CSD) 7-7-01P control (photocell included) see Motion Sensor Guide for details. Not available with "PE" option (button type photocell). Emergency driver standard. Not available with WLU, VG or WG.

LIGHTING FIXTURE TYPE: "DA"
 NOTE: FIXTURE TYPE LUMINARIES FOR TYPE "DA" HAS BEEN RETROFITTED WITH FIXTURE TYPE "DB"

LIGHTING FIXTURE TYPE: "DB"

LIGHTING FIXTURE TYPE: "OC"

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
CANOPY	+	13.1 fc	17.4 fc	9.4 fc	1.9:1	1.4:1
PARKING LDT	+	2.5 fc	7.2 fc	0.5 fc	14.4:1	5.0:1

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
+	"DA"	4	Lithonia Lighting	DSXSC-LED-20C-50K MVOLT	SURFACE MOUNTED LED, DOWNWARD DIRECTED, 700MA DRIVE CURRENT, 5000K COLD TEMPERATURE	1	6011	0.95	96
+	"DB"	6	Lithonia Lighting	DSXSC-LED-20C-50K MVOLT	SURFACE MOUNTED LED, DOWNWARD DIRECTED, 700MA DRIVE CURRENT, 5000K COLD TEMPERATURE	1	6011	0.95	96
+	"OC"	6	Lithonia Lighting	WST LED 1 10A700/40K SR4 MVOLT	WST LED WITH 1 MODULE, 10 LED's, 700mA DRIVER, 4000K COLOR TEMPERATURE, TYPE 4 LENS	1	1927	0.95	24.2

PROPOSED REMODELING OF AN EXISTING BUILDING

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DESCRIPTION:	LIGHTING CUT SHEETS AND SCHEDULES
DRAWN BY:	S.D.
CHECKED BY:	S.D.
DATE:	05-17-23
PROJECT #:	008-23-03-16
SCALE:	NO SCALE

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