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design by: JFO
drawn by: BD
checked by: JFO

EO 0

project: 19087.00

8-ZN-2020
10/22/20

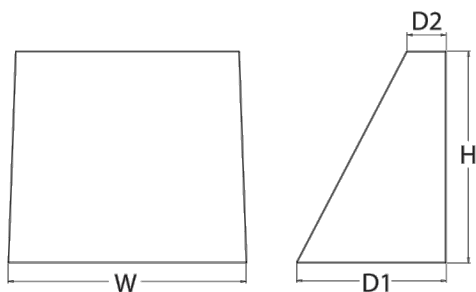


WDGE1 LED Architectural Wall Sconce



Specifications

Depth (D1): 5.5"
Depth (D2): 1.5"
Height: 8"
Width: 9"
Weight: 9 lbs
(without options)



Catalog Number

Notes

Type **SC**

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

Introduction

The WDGE1 LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing true site-wide solution.

WDGE1 delivers up to 2,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. The compact size of WDGE1, with its integrated emergency battery backup option, makes it an ideal over-the-door wall-mounted lighting solution.

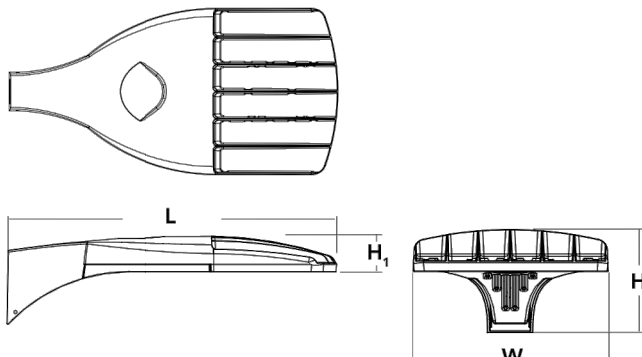


D-Series Size 0 LED Area Luminaire



Specifications

EPA: 0.95 ft² (89 in)
Length: 25" (640 mm)
Width: 13" (330 mm)
Height: 3" (76 mm)
Height: 7" (178 mm)
Weight (max): 16 lbs (7.2 kg)



Catalog Number

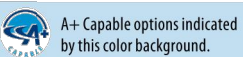
Notes

Type **SA/SB/SD/SF**

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

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.



Ordering Information

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

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	Forward optics P1 P4 P7 P2 P5 P3 P6 Related optics P10* P12* P11* P13*	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short (Automotive) T2S Type II short T3M Type I medium T3S Type II short T3M Type II medium T4M Type IV medium TFTM Forward throw medium TSVS Type V very short*	T5S Type V short* T5M Type V medium* T5W Type V wide* BLC Backlight control* LCCO Left corner cutoff* RCCO Right corner cutoff* 347 ^{1A} 480 ^{1A}	Shipped included SPA Square pole mounting RPA Round pole mounting WBA Wall bracket* SPUMBA Square pole universal mounting adaptor* RPU MBA Round pole universal mounting adaptor* Shipped separately KMAA DDBXD U Mast arm mounting bracket adaptor (specify finish)*

Control options	Other options	Finish options
Shipped installed NLTAIR2 12-pin full generation 2 enabled* ^{1A} PIRHN Network, high-flow motion/ambient sensor* PER NEMA twist-lock receptacle only (control ordered separately) ^{1A} PER5 Five-pin receptacle only (control ordered separately) ^{1A} PER7 Seven-pin receptacle only (leads exit fixture) (control ordered separately) ^{1A} DMS 0-10V dimming extend out back of housing for external control (control ordered separately) ^{1A}	PIR High-flow, motion/ambient sensor, 0-15' mounting height, ambient sensor enabled at 35-100' PIRH High-flow, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 35-100' PIRHTCV High-flow, motion/ambient sensor, 0-15' mounting height, ambient sensor enabled at 16-100' PIRHTCVS High-flow, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 16-100' FAO Field adjustable output**	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DNWDX White DDBXD Textured dark bronze DBLXD Textured black DNAXD Textured natural aluminum DNWDX Textured white DDBXD Textured dark bronze DBLXD Textured black DNAXD Textured natural aluminum DNWDX Textured white DDBXD Textured dark bronze DBLXD Textured black DNAXD Textured natural aluminum DNWDX Textured white



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DSX0 LED Rev. 02/05/20 Page 1 of 8

COMcheck Software Version 4.1.1.0 Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: 114TH AND SHEA RETAIL
Project Type: New Construction
Exterior Lighting Zone: 2 (Residential mixed use area)

Construction Site: SWC OF 114TH STREET AND SHEA BLVD SCOTTSDALE, AZ 85229

Owner/Agent:

Designer/Contractor: Ardebili Engineering, LLC
8100 E Indian School Rd.
Suite 205
Scottsdale, AZ 85251
info@ardebiling.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Parking area	48230 ft ²	0.04	Yes	1929
		Total Tradable Watts (a) =		1929
		Total Allowed Watts =		1929
		Total Allowed Supplemental Watts (b) =		400

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.

(b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Parking area (48230 ft ²): Tradable Wattage				
LED 1: SA: DOUBLE POLE LIGHT: Other:	2	5	142	710
LED 2: SB: SINGLE POLE LIGHT: Other:	1	2	71	142
LED 3: SC: WALL PACK: Other:	1	17	10	170
LED 4: SD: SINGLE POLE LIGHT: Other:	1	1	71	71
LED 5: SF: SINGLE POLE LIGHT: Other:	1	1	71	71
		Total Tradable Proposed Watts =		1164

Exterior Lighting PASSES: Design 50% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

OMID ARDEBILI, PE

Name - Title

Signature

Date

Project Title: 114TH AND SHEA RETAIL
Data filename: Z:\Shared\01_P\Projects\2020\20218_BKAA_114th & Shea Retail\01_Construction Documents\ENERGYIECC_E_DR.cck

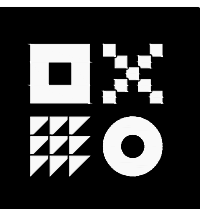
Report date: 09/17/20
Page 1 of 5

Schedule

Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lamp	Filename	Lumens per Lamp	LLF	Wattage
	SA	5	Lithonia Lighting	(2) DSX0 LED P3 30K T5W MVOLT SPA (FINISH) / SSS 13.5' W/2.5' BASE	TWIN-HEAD DSX0 LED P3 30K T5W MVOLT	LED-3000K	DSX0_LED_P3_30K_T5W_MVOLT.ies	8087	0.91	142
	SB	2	Lithonia Lighting	DSX0 LED P3 30K TFTM MVOLT SPA HS (FINISH) / SSS 13.5' W/2.5' BASE	DSX0 LED P3 30K TFTM MVOLT with houseside shield	LED-3000K	DSX0_LED_P3_30K_TFTM_MVOLT_HS.ies	6122	0.91	71
	SC	17	Lithonia Lighting	WDGE1 LED P1 30K 80CRI VW MVOLT (FINISH)	WDGE1 LED WITH P1 - PERFORMANCE PACKAGE, 3000K, 80CRI, VISUAL COMFORT WIDE OPTIC	LED-3000K	WDGE1_LED_P1_30K_80CRI_VW.ies	1163	0.91	10.0002
	SD	1	Lithonia Lighting	DSX0 LED P3 30K LCCO MVOLT SPA (FINISH) / SSS 13.5' W/2.5' BASE	DSX0 LED P3 30K LCCO MVOLT	LED-3000K	DSX0_LED_P3_30K_LCCO_MVOLT.ies	4783	0.91	71
	SF	1	Lithonia Lighting	DSX0 LED P3 30K RCCO MVOLT SPA (FINISH) / SSS 13.5' W/2.5' BASE	DSX0 LED P3 30K RCCO MVOLT	LED-3000K	DSX0_LED_P3_30K_RCCO_MVOLT.ies	4783	0.91	71

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PROPERTY LINE - FC @ 6' AFG	X	0.0 fc	0.1 fc	0.0 fc	N/A	N/A
SITE - FC @ GRADE	+	1.9 fc	5.6 fc	0.3 fc	18.7:1	6.3:1



ARDEBILI Engineering

Project Number: 20218 | Project Manager: JFO
8100 E Indian School Rd. Suite 205, Scottsdale, AZ 85251
P: 480.626.7072 | ardebiling.com

114TH AND SHEA RETAIL

SWC OF 114TH STREET AND SHEA BLVD
SCOTTSDALE, ARIZONA 85259

DR SET SUBMITTAL

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E0.1
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