

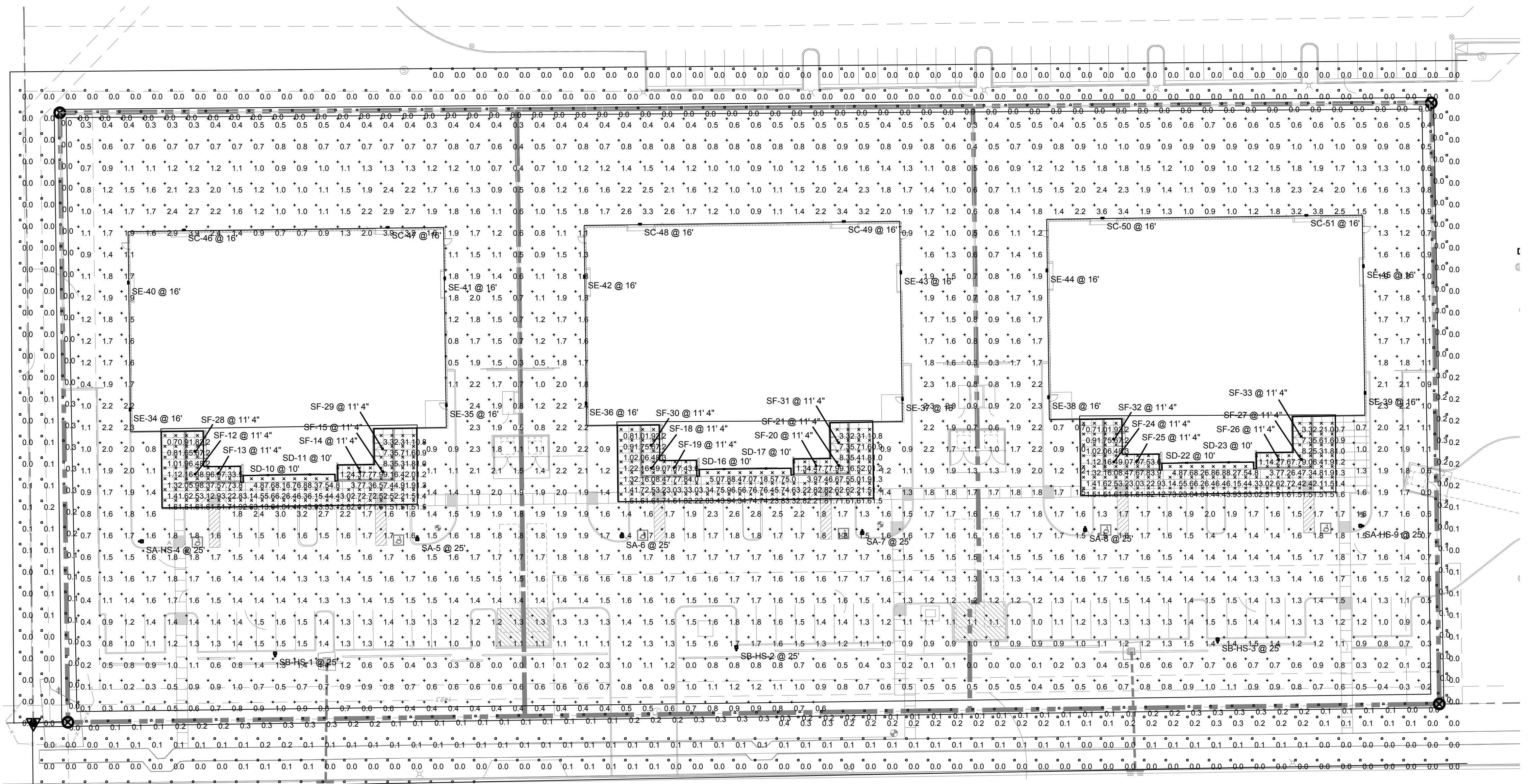
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CAVAN SIGNAL BUTTE & GERMANN

7423 S. SIGNAL BUTTE RD, MESA, AZ 85212

FINAL SITE PLAN



Luminaire Locations		Location			
No.	Label	X	Y	MH	Orientation
2	SB-HS	309.61	33.05	25'	359.24
3	SB-HS	532.24	36.63	25'	359.24
4	SA-HS	332.26	83.34	25'	89.24
5	SA	161.98	85.64	25'	180.00
6	SA	256.60	87.05	25'	180.00
7	SA	367.84	88.54	25'	180.00
8	SA	470.91	89.91	25'	180.00
9	SA-HS	599.62	90.55	25'	269.24
10	SD	92.93	114.01	10'	179.28
11	SD	112.39	114.27	10'	179.28
12	SD	59.21	114.64	10'	179.28
13	SF	69.77	114.64	10'	179.28
14	SF	135.50	114.64	10'	179.28
15	SF	146.05	115.64	10'	179.28
16	SD	303.91	116.81	10'	179.28
17	SD	323.36	117.09	10'	179.28
18	SF	270.20	117.31	10'	179.28
19	SF	388.75	117.45	10'	179.28
20	SF	346.49	118.32	10'	179.28
21	SF	357.04	118.46	10'	179.28
22	SD	517.90	119.67	10'	179.28
23	SD	537.35	119.93	10'	179.28
24	SF	484.18	120.16	10'	179.28
25	SF	494.73	120.33	10'	179.28
26	SF	569.46	121.18	10'	179.28
27	SF	571.02	121.31	10'	179.28
28	SF	59.08	125.05	10'	179.28
29	SF	455.91	126.20	10'	179.28
30	SF	270.06	127.86	10'	179.28
31	SF	356.89	129.01	10'	179.28
32	SF	484.04	130.72	10'	179.28
33	SF	507.87	131.86	10'	179.28
34	SE	297.27	144.40	16'	269.24
35	SE	175.26	146.35	16'	89.24
36	SE	240.26	147.22	16'	269.24
37	SE	386.25	149.16	16'	89.24
38	SE	454.24	150.07	16'	269.24
39	SE	600.23	152.02	16'	89.24
40	SE	28.50	203.10	16'	269.24
41	SE	174.49	205.04	16'	89.24
42	SE	239.48	205.91	16'	269.24
43	SE	385.47	207.86	16'	89.24
44	SE	453.46	208.76	16'	269.24
45	SE	599.45	210.71	16'	89.24
46	SC	54.03	227.23	16'	359.24
47	SC	148.28	228.47	16'	359.24
48	SC	265.01	229.94	16'	359.24
49	SC	359.29	231.21	16'	359.24
50	SC	478.99	232.80	16'	359.24
51	SC	573.28	234.07	16'	359.24
1	SB-HS	96.22	301.18	25'	359.24

Schedule							
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp
□	SA	4	Lithonia Lighting	DSXI LED P5 30K 8000-Series Size 1 Area Luminaire P5 TSM	Performance Package 3000K CCT 80 CRI Type 5 Medium	1	16036
□	SA-HS	2	Lithonia Lighting	DSXI LED P5 30K 8000-Series Size 1 Area Luminaire P5 TSM HS	Performance Package 3000K CCT 80 CRI Type 5 Medium Houseside Shield	1	11655
□	SB-HS	3	Lithonia Lighting	DSXI LED P3 30K 8000-Series Size 1 Area Luminaire P3 TSW HS	Performance Package 3000K CCT 80 CRI Type 5 Wide Houseside Shield	1	8641
□	SC	6	Lithonia Lighting	DSXW1 P7 30K 80CRI T4M	10000 3000K 80CRI Type 4 Medium	1	9000
□	SD	6	Lithonia Lighting	WPX1 LED P2 30K MyWPX1 LED wallpack 3000lm 3000K color	temperature 120-277 Volts	1	2749
□	SE	12	Lithonia Lighting	DSXW1 P5 30K 80CRI T2M	6000 3000K 80CRI Type 2 Medium	1	4604
○	SF	18	Lithonia Lighting	LDN6 30/10 LD6AR LSSIN LDN_3000K_1000LM_CLEAR_SEMI-SPECULAR REFLECTOR, CRI80	1	938	0.95
							1044

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Bldg 2 Entry	×	4.0 fc	9.1 fc	0.8 fc	11.41	5.01
Bldg 3 Entry	×	3.9 fc	9.0 fc	0.7 fc	12.91	5.61
Light Spill @ Grade	□	0.0 fc	0.4 fc	0.0 fc	N/A	N/A
Project Area @ Grade	□	1.3 fc	3.9 fc	0.0 fc	N/A	N/A
Property Line @ 3' Adj	○	0.1 fc	0.3 fc	0.0 fc	N/A	N/A
Bldg 1 Entry	×	3.8 fc	9.1 fc	0.7 fc	13.01	5.41

ELECTRICAL SHEET INDEX	
PH-1 - SITE PHOTOMETRIC PLAN	
PH-2 - PHOTOMETRIC DETAILS	



SF

LITHONIA LIGHTING®

FEATURES & SPECIFICATIONS

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

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

Vertical adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment.

TYPE — 6" Open and Wallwash LED Non IC New Construction Downlight

6" Open and Wallwash LED Non IC New Construction Downlight

Open Trim

Wallwash Trim

Catalog Number
Notes
Type

AKRIBIS
MECHANICAL • PLUMBING • ELECTRICAL
ENGINEERING, L.L.C.

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DRAWN BY: WS CHECKED BY: SM JOB NUMBER: 25042
FOR QUESTIONS PLEASE CALL: WILLIAM SHORTY

SC / SE

D-Series Size 1 LED Area Luminaire

Introduction

The D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefit of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with expected unit cost savings per spacing and power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

DSX1 LED	Series	LEDs	Color temperature ¹	Color rendering index ²	Distribution	Voltage	Mounting	Shipped included
DSX1 LED	Forward optics	(this section 70CR only)	32K 3000K	AIR	Automotive front row	120V	BBW	70CR
P1	P6	40K 4000K	70CR	TSM	Type II medium	120V	BBW	70CR
P3	P8	50K 5000K	70CR	TSM	Type II low plane	120V	BBW	70CR
P4	P9	(this section 80CR only, minimum load times apply)	74CL	Type II back light control ³	120V	BBW	70CR	
P6	P10	2700K	80CR	TAM	Type II low plane	208V	BBW	70CR
P11	P13	30K 3000K	80CR	TAM	Type II back light control ³	208V	BBW	70CR
P12	P14	40K 4000K	80CR	LC0	Left corner cutoff ⁴	212V	BBW	70CR
P13	P15	50K 5000K	80CR	RCCD	Right corner cutoff ⁴	212V	BBW	70CR
Control options								
Other options								
Finish options								
Accessories								

EXAMPLE: DSX1 LED P2 40K 70CR T3M MVOLT SRM DBDBTXD

D-Series Size 1 LED Wall Luminaire

Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With expected service life of over 20 years of nighttime use and significant energy savings, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

DSXW1LED	Series	Lumen Package	Color	Voltages	Mounting	Shipped included	Control Options
DSXW1LED	P1	2000 Lumens	27K 30K 3000K	70CR	BBW	T25 Type 2 Short	PE
	P3	3200 Lumens	35K 3500K	AMCR	Amber CR	T25 Type 2 Low	DMG
	P5	4300 Lumens	40K 4000K			T3LQ Type 3 Low	208V
	P7	5200 Lumens	50K 5000K			T3M Type 3 Medium	BBW
	P9	6300 Lumens	52K 5200K			T4M Type 4 Forward Throw	PR
	P11	7000 Lumens	AMBPC Amber PC			T4M Type 4 Medium	PRHFCV
	P13	8000 Lumens	AMBWL Amber WL			T4M Type 4 High	PRHFCW
	P15	9000 Lumens				BLC3 Back Light Control	E20WC
	P17	10000 Lumens				BLC4 Back Light Control Type 4 ⁵	E10WH
Other Options							
Finish Options							
Accessories							

EXAMPLE: DSXW1 LED P2 40K 70CR T3M MVOLT SRM DBDBTXD

SA / SB

D-Series Size 1 LED Area Luminaire

Specifications

EPA:	0.69 R ⁶
Length:	32.71" (82.6 cm)
Width:	14.25" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)

Ordering Information

DSX1 LED	Series	LEDs	Color temperature ¹	Color Rendering Index ²	Distribution	Voltage	Mounting	Shipped included
DSX1 LED	Forward optics	(this section 70CR only)	32K 3000K	AIR	Automotive front row	120V	BBW	70CR
P1	P6	40K 4000K	70CR	TSM	Type II medium	120V	BBW	70CR
P3	P8	50K 5000K	70CR	TSM	Type II low plane	120V	BBW	70CR
P4	P9	(this section 80CR only, minimum load times apply)	74CL	Type II back light control ³	120V	BBW	70CR	
P6	P10	2700K	80CR	TAM	Type II low plane	208V	BBW	70CR
P11	P13	30K 3000K	80CR	TAM	Type II back light control ³	208V	BBW	70CR
P12	P14	40K 4000K	80CR	LC0	Left corner cutoff ⁴	212V	BBW	70CR
P13	P15	50K 5000K	80CR	RCCD	Right corner cutoff ⁴	212V	BBW	70CR
Control Options								
Other Options								
Finish Options								
Accessories								

EXAMPLE: DSX1 LED P2 40K 70CR T3M MVOLT SRM DBDBTXD

Notes

1. EPA rating. 2. Color rendering index. 3. This section 70CR only. 4. Field installable corner cutoff. 5. Not available with 80CR. 6. Not available with 80CR.

Ordering Information

DSX1 LED	Series	LEDs	Color Temperature	Voltage	Options	Finish	
DSX1 LED	WP1	1500 Lumens, 11W ⁷	30K 3000K	MVOLT	120V-277V	(Blank)	DSBBD
	WP1	2900 Lumens, 3W	40K 4000K	24T	347V	(Blank)	DSBBD
	WP2 LED	6,000 Lumens, 47W	50K 5000K			E14WC	DSBBD
	WP3 LED	9,200 Lumens, 69W				PE	DSBBD
Notes							
Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.							
Features & Specifications							
Intended Use							
The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the replacement of HID wall pack luminaires. The WPX, WPK, WPS and WPX are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform light distribution with a maximum CRI of 70. Electronic drivers ensure power factor >0.95 and THD <20%. All luminaires have 100-277V AC input voltage and standard surge protection rating of 2.9kA. Can be ordered with an optional 48V AC battery protection.							
Construction							
WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP65 rated, and sealed against dust and water intrusion.							
Electrical							
WPX LED configurations consist of high-efficacy LEDs and LED driver maintenance-of-lumen (MOL) driver. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure power factor >0.95 and THD <20%. All luminaires have 100-277V AC input voltage and standard surge protection rating of 2.9kA. Can be ordered with an optional 48V AC battery protection.							
Warranty							
WPX feature a 5-year warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at www.acuitybrands.com/warranty-terms-and-conditions.aspx .							
Notes							
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.							

EXAMPLE: WPX2 LED 40K MVOLT DBDBX

SD

WPX LED Wall Packs

Specifications

Front View	Side View
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Lumens	Height (H)	Width (W)	Depth (D)	Side Conduit Location	Weight
WPX1	8.1" (20.6 cm)	11.7" (29.3 cm)	3.2" (8.1 cm)	A: 4.0" (10.3 cm)	0.6" (1.6 cm) 6.1lb (2.8kg)
WPX2	9.1" (23.1 cm)	12.7" (32.1 cm)	4.1" (10.5 cm)	A: 4.5" (11.5 cm)	0.7" (1.7 cm) 8.2lb (3.7kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	4.5" (11.3 cm)	A: 4.7" (12.0 cm)	0.7" (1.7 cm) 11.0lb (5.0kg)

Ordering Information

WPX LED	Series	Color Temperature	Voltage	Options	Finish
WPX1 LED P1	1500 Lumens, 11W ⁷	30K 3000K	MVOLT	(Blank)	DSBBD
	WPX1 LED P2	2900 Lumens, 3W	40K 4000K	24T	DSBBD
	WPX2 LED	6,000 Lumens, 47W	50K 5000K		E14WC
	WPX3 LED	9,200 Lumens, 69W			PE

Notes

1. All WPX wall packs come with 48V surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection. Add SPDRV option to get WPX1 LED P1 package with 2.5kV surge protection. Sample non-compliance: WPX1 LED P1 40K MVOLT SPDRV DSBBD

2. Battery pack options are available for WPX1 LED P1 and WPX2 LED.

3. Emergency battery options not available with 347V PE option.

4. Emergency battery options not available for field installed, cannot be ordered with E20WC or E10WH.

5. Also available as a separate accessory, see Accessories information.

6. Notes: The lumens output will decrease when field adjust the current feature. This feature allows turning the output current of the LED drivers to adjust the lumen output (dim the luminaire).

7. Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

Features & Specifications

Intended Use

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

Installation

WPX can be mounted directly over a standard electrical junction box. Three 1/2" inch conduit ports are provided for direct conduit wiring. A notch on the back surface allows for pole/hanging conduit wiring for surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs only.

Listings

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP65. Designers Consensus/DLC qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/certified/dlc-qualified-products.aspx](#). CSA is available for all products on this page utilizing 3000K color temperature only.

Warranty

WPX feature a 5-year warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at [www.acuitybrands.com/warranty-terms-and-conditions.aspx](#).

Notes

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.

EXAMPLE: WPX2 LED 40K MVOLT DBDBX

Ordering Information

WPX LED	Series	Color Temperature	Voltage	Options	Finish
WPX1 LED P1	1500 Lumens, 11W ⁷	30K 3000K	MVOLT	(Blank)	DSBBD
	WPX1 LED P2	2900 Lumens, 3W	40K 4000K	24T	DSBBD
	WPX2 LED	6,000 Lumens, 47W	50K 5000K		E14WC
	WPX3 LED	9,200 Lumens, 69W			PE

Notes

1. All WPX wall packs come with 48V surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection. Add SPDRV option to get WPX1 LED P1 package with 2.5kV surge protection. Sample non-compliance: WPX1 LED P1 40K MVOLT SPDRV DSBBD

2. Battery pack options are available for WPX1 LED P1 and WPX2 LED.

3. Emergency battery options not available with 347V PE option.

Features & Specifications

Intended Use

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the replacement of HID wall pack luminaires. The WPX, WPK, WPS and WPX are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform light distribution with a maximum CRI of 70. Electronic drivers ensure power factor >0.95 and THD <20%. All luminaires have 100-277V AC input voltage and standard surge protection rating of 2.9kA. Can be ordered with an optional 48V AC battery protection.

Construction

WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP65 rated, and sealed against dust and water intrusion.

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