Luminaire Schedule

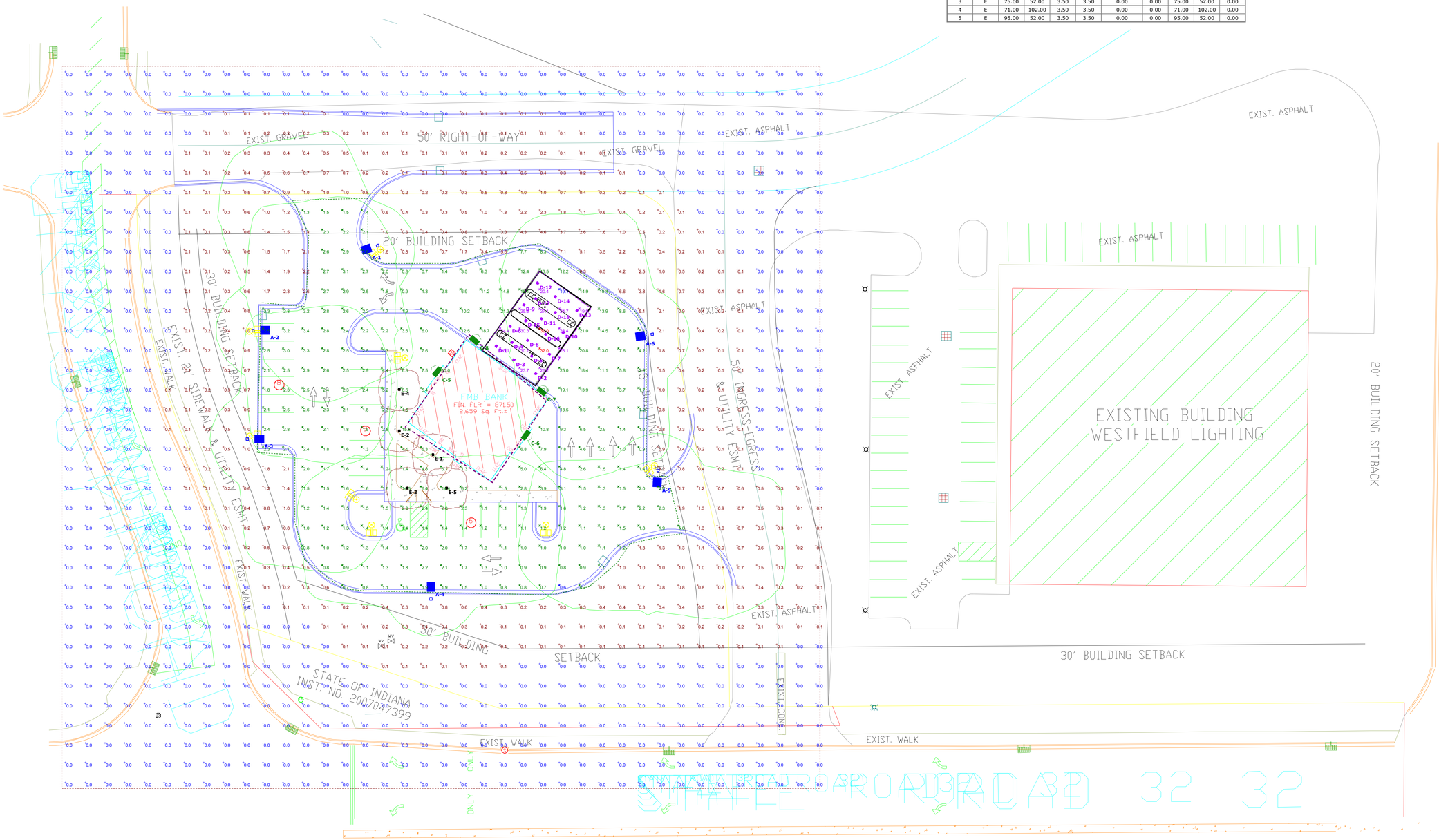
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	A	6	Lithonia Lighting	DSX1 LED 60C 700 50K TFTM MVOLT HS	DSX1 LED WITH (2) 30 LED LIGHT ENGINES, TYPE TFTM OPTIC, 5000K, @ 700mA WITH HOUSE SIDE SHIELD	LED	1	DSX1_LED_60C_700_50K_TFTM_MVOLT_HS.ies	9632.744	0.95	131
	C	4	Lithonia Lighting	CSXW LED 30C 700 50K TFTM MVOLT	CSXW LED WITH 1 LIGHT ENGINE (30 LEDs), 700mA DRIVER, 5000K LED, TYPE FORWARD THROW OPTICS	LED	1	CSXW_LED_30C_700_50K_TFTM_MVOLT.ies	7678.861	0.95	69
	D	18	Lithonia Lighting	DSXSC LED 20C 1000 50K T5W MVOLT	DSX SURFACE CANOPY FIXTURE WITH 2 LIGHT ENGINES, 1000mA DRIVER, 5000K LEDs, T5W OPTIC.	LED	1	DSXSC_LED_20C_1000_50K_T5W_MVOLT.ies	6209.56	0.95	74
	E	5	Lithonia Lighting	DSXB LED 16C 700 50K SYM MVOLT	DSXB WITH 4 LIGHT BOARDS (16 LEDs), 700mA DRIVER, 5000K COLOR TEMP, AND SYMMETRIC OPTIC	LED	1	DSXB_LED_16C_700_50K_SYM_MVOLT.ies	2215.076	0.95	39

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	Avg/Max
CANOPY	X	26.0 fc	32.0 fc	19.1 fc	1.7:1	1.4:1	0.8:1
PARKING LOT	X	5.2 fc	32.0 fc	0.6 fc	53.3:1	8.7:1	0.2:1
SITE CALCULATIONS	+	1.3 fc	32.0 fc	0.0 fc	N/A	N/A	0.0:1

Luminaire Locations

No.	Label	Location X	Location Y	Location Z	MH	Orientation	Tilt	Aim X	Aim Y	Aim Z
1	A	60.00	175.00	25.00	25.00	251.85	0.00	58.85	174.62	0.00
2	A	-3.00	132.00	25.00	25.00	90.00	0.00	-1.79	132.00	0.00
3	A	-6.00	77.00	25.00	25.00	90.00	0.00	-4.79	77.00	0.00
4	A	87.00	-4.00	25.00	25.00	0.00	0.00	87.00	-2.79	0.00
5	A	202.00	61.00	25.00	25.00	184.09	0.00	201.91	59.79	0.00
6	A	199.00	130.00	25.00	25.00	261.67	0.00	197.80	129.82	0.00
5	C	90.00	111.00	12.00	12.00	309.81	0.00	90.00	111.00	0.00
6	C	135.00	79.00	12.00	12.00	125.54	0.00	135.00	79.00	0.00
7	C	143.00	101.00	12.00	12.00	39.81	0.00	143.00	101.00	0.00
8	C	109.00	127.00	12.00	12.00	38.66	0.00	109.00	127.00	0.00
1	D	120.00	124.00	12.00	12.00	303.69	0.00	120.00	124.00	0.00
2	D	140.00	110.00	12.00	12.00	303.69	0.00	140.00	110.00	0.00
3	D	129.00	117.00	12.00	12.00	303.69	0.00	129.00	117.00	0.00
4	D	128.00	126.00	12.00	12.00	303.69	0.00	128.00	126.00	0.00
5	D	138.00	119.00	12.00	12.00	303.69	0.00	138.00	119.00	0.00
6	D	127.00	134.00	12.00	12.00	303.69	0.00	127.00	134.00	0.00
7	D	147.00	120.00	12.00	12.00	303.69	0.00	147.00	120.00	0.00
8	D	136.00	127.00	12.00	12.00	303.69	0.00	136.00	127.00	0.00
9	D	134.00	145.00	12.00	12.00	303.69	0.00	134.00	145.00	0.00
10	D	154.00	131.00	12.00	12.00	303.69	0.00	154.00	131.00	0.00
11	D	143.00	138.00	12.00	12.00	303.69	0.00	143.00	138.00	0.00
12	D	141.00	156.00	12.00	12.00	303.69	0.00	141.00	156.00	0.00
13	D	161.00	142.00	12.00	12.00	303.69	0.00	161.00	142.00	0.00
14	D	150.00	149.00	12.00	12.00	303.69	0.00	150.00	149.00	0.00
15	D	135.00	137.00	12.00	12.00	303.69	0.00	135.00	137.00	0.00
16	D	145.00	130.00	12.00	12.00	303.69	0.00	145.00	130.00	0.00
17	D	140.00	148.00	12.00	12.00	303.69	0.00	140.00	148.00	0.00
18	D	150.00	141.00	12.00	12.00	303.69	0.00	150.00	141.00	0.00
1	E	88.00	69.00	3.50	3.50	0.00	0.00	88.00	69.00	0.00
2	E	71.00	81.00	3.50	3.50	0.00	0.00	71.00	81.00	0.00
3	E	75.00	52.00	3.50	3.50	0.00	0.00	75.00	52.00	0.00
4	E	71.00	102.00	3.50	3.50	0.00	0.00	71.00	102.00	0.00
5	E	95.00	52.00	3.50	3.50	0.00	0.00	95.00	52.00	0.00



Plan View
Scale - 1" = 25'

FIRST MERCHANTS-WESTFIELD
PARLING LOT LIGHTING
POINT ILLUMINATION STUDY

Designer
R. A. MCILRATH
Date
1/29/2015
Scale
AS NOTED
Drawing No.
463-00915A1
Summary

CSXW LED
LED Wall Luminaire

Catalog Number

Notes

Type

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

Introduction

The Contour® Series luminaires offer traditional square dayforms with softened edges for a versatile look that complements many applications.

The CSXW LED combines the latest in LED technology with the familiar aesthetic of the Contour® Series for stylish, high-performance illumination that lasts. It is ideal for replacing 100-400W metal halide in wall-mounted applications with typical energy savings of 80% and expected service life of over 100,000 hours.

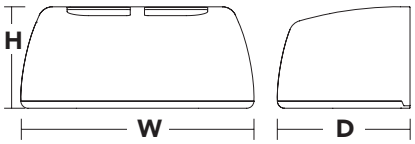
Specifications

Height: 7-1/8" *(29.2 cm)*

Width: 16-3/8" *(41.6cm)*

Depth: 9-5/16" *(23.6 cm)*

Weight (max): 30 lbs *(13.6 kg)*



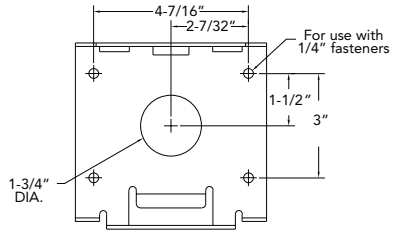
Ordering Information

EXAMPLE: CSXW LED 30C 700 40K T3M MVOLT DDBXD

CSXW LED

Series	LEDs	Drive current	Color temperature[1]	Distribution	Voltage	Mounting	Options	Finish *(required)*
CSXW LED	30C 30 LEDs	700 700 mA 1000 1000 mA	40K 4000K 50K 5000K	T2M Type II, medium T3M Type III, medium T4M Type IV, medium TFTM Type forward throw, medium	MVOLT [2] 120 [2] 208 [2] 240 [2] 277 [2] 347 [3] 480 [3]	**Shipped included** (blank) Surface mount **Shipped separately** BBW Surface-mounted back box (for conduit entry) [4]	**Shipped installed** PE Photoelectric cell, button type [5,6] DMG 0-10V dimming driver (no controls) SF Single fuse (120, 277, 347V) [7] DF Double fuse (208, 240, 480V) [7] **Shipped separately** [4] VG Vandal guard WG Wire guard	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Mounting Detail



Accessories

Ordered and shipped separately.

CSXWBBW DDBXD U	Back box accessory (specify finish)
CSXWWG U	Wire guard accessory
CSXWVG U	Vandal guard accessory

NOTES

1. Configured with 4000K (/40K) provides the shortest lead times. Consult factory for 5000K (/50K) lead times.
2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options) or photocontrol (PE option).
3. Available with 700 mA options only (30C 700).
4. Also available as a separate accessory; see Accessories information at left.
5. Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option.
6. Must be ordered with fixture; cannot be field installed.
7. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.

LITHONIA LIGHTING

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	Performance Package	System Watts	Dist. Type	40K (4000K, 70 CRI)					50K (5000K, 67 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	700 mA	30C 700 --K	69W	T2M	6,695	2	0	2	97	7,183	2	0	2	104
				T3M	7,068	2	0	2	102	7,582	2	0	2	110
				T4M	7,017	2	0	2	102	7,528	2	0	2	109
				TFTM	7,158	2	0	2	104	7,679	2	0	2	111
	1000 mA	30C 1000 --K	104W	T2M	8,868	2	0	2	85	9,560	2	0	2	92
				T3M	9,361	2	0	2	90	10,091	2	0	2	97
				T4M	9,293	2	0	2	89	10,018	2	0	2	96
				TFTM	9,481	2	0	2	91	10,220	2	0	2	98

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
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 **CSXW 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
Lumen Maintenance Factor	1.0	0.94	0.91	0.85

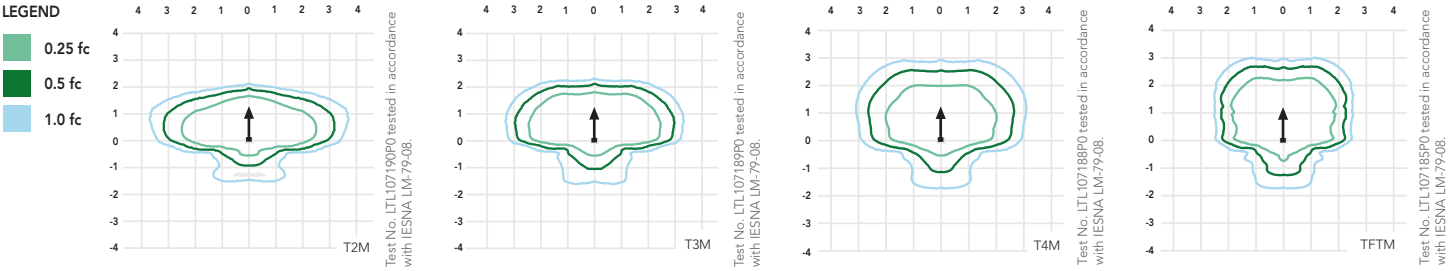
Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30C	700	70W	0.695	0.412	0.367	0.331	0.247	0.186
	1000	104W	1.034	0.599	0.528	0.472	0.382	0.302

Photometric Diagrams

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

Isofootcandle plots for the CSXW LED 30C 1000 40K. Distances are in units of mounting height (20').



FEATURES & SPECIFICATIONS

INTENDED USE
The Contour Series Wall LED luminaire is ideal for commercial building mounted applications from over-the-door to 20 ft mounting heights.

CONSTRUCTION
Rugged, die-cast, single-piece aluminum housing. Unique flow-through design for optimized thermal management. Modularity allows for ease of maintenance and potential for future system upgrades. Metallic screen covers the top of the housing, preventing debris build-up while allowing for air flow. Housing is completely sealed against moisture and environmental contaminants.

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 acrylic lenses provide optimal luminaire spacing and improved uniformity. Lenses are indexed to the circuit board to ensure consistent optical alignment and delivering repeatable photometric performance. Light engines are available in standard 4000K (70 CRI) or optional 5000K (67 CRI) configurations. The CSXW has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine consists of 30 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L70). 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 operation (per ANSI/IEEE C62.41.2).

INSTALLATION
Universal mounting mechanism with integral mounting support allows fixture to hinge down. Bubble level provides correct alignment with every installation.

LISTINGS
CSA Certified to U.S. and Canadian standards. Light engine is IP66 rated. Luminaire is IP65 rated.

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

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

Note: Specifications subject to change without notice.

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D-Series Size 1
LED Area Luminaire

Catalog Number

Notes

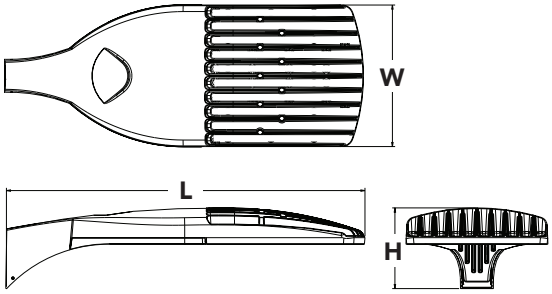
Type

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

d:series

Specifications

EPA:	1.2 ft² (0.11 m²)
Length:	33″ (83.8 cm)
Width:	13″ (33.0 cm)
Height:	7-1/2″ (19.0 cm)
Weight (max):	27 lbs (12.2 kg)



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 100 – 400W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

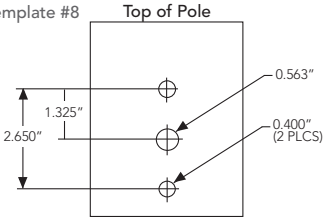
EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD

DSX1 LED

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting	Control options	Other options	Finish *(required)*
DSX1 LED	**Forward optics** 30C 30 LEDs (one engine) 40C 40 LEDs (two engines) 60C 60 LEDs (two engines) **Rotated optics** [1] 60C 60 LEDs (two engines)	530 530 mA 700 700 mA 1000 1000 mA (1 A)	30K 3000 K (80 CRI min.) 40K 4000 K (70 CRI min.) 50K 5000 K(70 CRI) AMBPC Amber phosphor converted [2]	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide	MVOLT [3] 120 [3] 208 [3] 240 [3] 277 [3] 347 [4] 480 [4]	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor [5] RPUMBA Round pole universal mounting adaptor [5] **Shipped separately** [6] KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)	**Shipped installed** PER NEMA twist-lock receptacle only (no controls) [7] DMG 0-10V dimming driver (no controls) [8] DCR Dimmable and controllable via ROAM® (no controls) [9] DS Dual switching [10,11] PIR Motion sensor, 8-15′ mounting height [12] PIRH Motion sensor, 15-30′ mounting height [12] BL30 Bi-level switched dimming, 30% [11,13] BL50 Bi-level switched dimming, 50% [11,13]	**Shipped installed** HS House-side shield [14] WTB Utility terminal block [15] SF Single fuse (120, 277, 347V) [16] DF Double fuse (208, 240, 480V) [16] L90 Left rotated optics [17] R90 Right rotated optics [17]	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Drilling

Template #8 Top of Pole



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	**DM29AS**	2 at 90° *
DM28AS	2 at 180°	**DM39AS**	3 at 90° *
DM49AS	4 at 90° *	**DM32AS**	3 at 120° **

Example: SSA 20 4C **DM19AS** DDBXD

Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25″ O.D. minimum.
**For round pole mounting (RPA) only.

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [18]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [18]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [18]
SC U	Shorting cap [18]
DSX1HS 30C U	House-side shield for 30 LED unit
DSX1HS 40C U	House-side shield for 40 LED unit
DSX1HS 60C U	House-side shield for 60 LED unit
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [6]

For more control options, visit DTL and ROAM online.

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″	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8″	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4″	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

NOTES
1 Rotated optics only available with 60C.
2 AMBPC only available with 530mA or 700mA.
3 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options).
4 Not available with single board, 530mA product (30C 530, or 60C 530 DS). Not available with DCR, BL30 or BL50.
5 Available as a separate combination accessory: PUMBA (finish) U.
6 Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8″ mast arm (not included).
7 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
8 DMG option for 347v or 480v requires 1000mA
9 Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Not available with 347 or 480V. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with BL30, BL50, DS, PIR or PIRH.
10 Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR, or PIRH.
11 Requires an additional switched circuit.
12 PIR specifies the SensorSwitch SBGR-10-ODP control; PIRH specifies the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Not available with DS or DCR.
13 Dimming driver standard. MVOLT only. Not available with DCR.
14 Also available as a separate accessory; see Accessories information.
15 WTB not available with DS.
16 Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
17 Available with 60 LEDs (60C option) only.
18 Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Control.

LITHONIA LIGHTING
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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/-10%. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 80 minimum CRI)					40K (4000 K, 70 minimum CRI)					50K (5000 K, 70 CRI)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	700 mA	68 W	T1S	5,290	1	0	1	78	6,524	2	0	2	96	7,053	2	0	2	104
			T2S	5,540	1	0	1	81	6,833	2	0	2	100	7,387	2	0	2	109
			T2M	5,360	1	0	2	79	6,611	2	0	2	97	7,147	2	0	2	105
			T3S	5,479	1	0	1	81	6,757	1	0	2	99	7,305	2	0	2	107
			T3M	5,452	1	0	2	80	6,724	2	0	2	99	7,269	2	0	2	107
			T4M	5,461	1	0	2	80	6,736	2	0	2	99	7,282	2	0	2	107
			TFTM	5,378	1	0	2	79	6,633	1	0	2	98	7,171	1	0	2	105
			T5VS	5,708	2	0	0	84	7,040	3	0	0	104	7,611	3	0	1	112
			T5S	5,639	2	0	0	83	6,955	2	0	0	102	7,519	3	0	0	111
			T5M	5,710	3	0	1	84	7,042	3	0	1	104	7,613	3	0	2	112
			T5W	5,551	3	0	1	82	6,847	3	0	2	101	7,401	3	0	2	109
	1000 mA	105 W	T1S	7,229	2	0	2	69	9,168	2	0	2	87	9,874	2	0	2	94
			T2S	7,572	2	0	2	72	9,603	2	0	2	91	10,342	2	0	2	98
			T2M	7,325	2	0	2	70	9,291	2	0	2	88	10,005	2	0	3	95
			T3S	7,488	2	0	2	71	9,496	2	0	2	90	10,227	2	0	2	97
			T3M	7,451	2	0	2	71	9,450	2	0	2	90	10,177	2	0	2	97
			T4M	7,464	2	0	2	71	9,467	2	0	2	90	10,195	2	0	2	97
			TFTM	7,351	1	0	2	70	9,323	2	0	2	89	10,040	2	0	3	96
			T5VS	7,801	3	0	1	74	9,894	3	0	1	94	10,655	3	0	1	101
			T5S	7,803	3	0	2	74	9,774	3	0	1	93	10,526	3	0	1	100
			T5M	7,707	3	0	0	73	9,897	3	0	2	94	10,658	4	0	2	102
			T5W	7,586	3	0	2	72	9,621	4	0	2	92	10,363	4	0	2	99
40C (40 LEDs)	700 mA	89 W	T1S	6,876	2	0	2	77	8,639	2	0	2	97	9,345	2	0	2	105
			T2S	7,202	2	0	2	81	9,049	2	0	2	102	9,788	2	0	2	110
			T2M	6,968	2	0	2	78	8,755	2	0	2	98	9,469	2	0	3	106
			T3S	7,122	2	0	2	80	8,948	2	0	2	101	9,679	2	0	2	109
			T3M	7,088	2	0	2	80	8,905	2	0	2	100	9,632	2	0	2	108
			T4M	7,100	2	0	2	80	8,920	2	0	2	100	9,649	2	0	2	108
			TFTM	6,992	1	0	2	79	8,785	2	0	2	99	9,502	2	0	2	107
			T5VS	7,421	3	0	0	83	9,323	3	0	1	105	10,085	3	0	1	113
			T5S	7,331	2	0	0	82	9,210	3	0	1	103	9,962	3	0	1	112
			T5M	7,423	3	0	2	83	9,326	3	0	2	105	10,087	4	0	2	113
			T5W	7,216	3	0	2	81	9,066	4	0	2	102	9,807	4	0	2	110
	1000 mA	138 W	T1S	9,521	2	0	2	69	11,970	2	0	2	87	12,871	3	3	0	93
			T2S	9,972	2	0	2	72	12,558	3	0	3	91	13,481	3	0	3	98
			T2M	9,648	2	0	3	70	12,149	3	0	3	88	13,043	3	0	3	95
			T3S	9,862	2	0	2	71	12,418	2	0	2	90	13,331	2	0	2	97
			T3M	9,814	2	0	2	71	12,358	3	0	3	90	13,267	3	0	3	96
			T4M	9,831	2	0	2	71	12,379	2	0	3	90	13,290	2	0	3	96
			TFTM	9,681	2	0	2	70	12,191	2	0	3	88	13,087	2	0	3	95
			T5VS	10,275	3	0	1	74	12,937	3	0	1	94	13,890	4	0	1	101
			T5S	10,150	3	0	1	74	12,782	3	0	1	93	13,721	3	0	1	99
			T5M	10,278	4	0	2	74	12,942	4	0	2	94	13,894	4	0	2	101
			T5W	9,991	4	0	2	72	12,582	4	0	2	91	13,507	4	0	2	98
60C (60 LEDs)	700 mA	131 W	T1S	10,226	2	0	2	78	12,871	3	0	3	98	13,929	3	0	3	106
			T2S	10,711	2	0	2	82	13,481	3	0	3	103	14,589	3	0	3	111
			T2M	10,363	2	0	3	79	13,043	3	0	3	100	14,115	3	0	3	108
			T3S	10,592	2	0	2	81	13,331	2	0	2	102	14,427	3	0	3	110
			T3M	10,541	2	0	2	80	13,267	3	0	3	101	14,357	3	0	3	110
			T4M	10,559	2	0	2	81	13,290	2	0	3	101	14,382	3	0	3	110
			TFTM	10,398	2	0	3	79	13,087	2	0	3	100	14,163	2	0	3	108
			T5VS	11,036	3	0	1	84	13,890	4	0	4	106	15,032	4	0	1	115
			T5S	10,902	3	0	1	83	13,721	3	0	1	105	14,849	4	0	1	113
			T5M	11,039	4	0	2	84	13,894	4	0	2	106	15,036	4	0	2	115
			T5W	10,732	4	0	2	82	13,507	4	0	2	103	14,617	4	0	2	112
	1000 mA	209 W	T1S	14,017	3	0	3	67	17,632	3	0	3	84	19,007	3	0	3	91
			T2S	14,681	3	0	3	70	18,467	3	0	3	88	19,908	3	0	3	95
			T2M	14,204	3	0	3	68	17,867	3	0	3	85	19,260	3	0	3	92
			T3S	14,518	3	0	3	69	18,262	3	0	3	87	19,687	3	0	3	94
			T3M	14,448	3	0	3	69	18,173	3	0	4	87	19,591	3	0	4	94
			T4M	14,473	3	0	3	69	18,205	3	0	3	87	19,625	3	0	4	94
			TFTM	14,253	2	0	3	68	17,928	3	0	4	86	19,326	3	0	4	92
			T5VS	15,127	4	0	1	72	19,028	4	0	1	91	20,512	4	0	1	98
			T5S	14,943	4	0	1	71	18,797	4	0	1	90	20,263	4	0	1	97
			T5M	15,131	4	0	2	72	19,033	4	0	2	91	20,517	5	0	3	98
			T5W	14,710	4	0	2	70	18,503	5	0	3	89	19,946	5	0	3	95

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

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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).

Ambient		Lumen Multiplier
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

Electrical Load

			Current (A)					
Number of LEDs	Drive Current (mA)	System Watts	120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

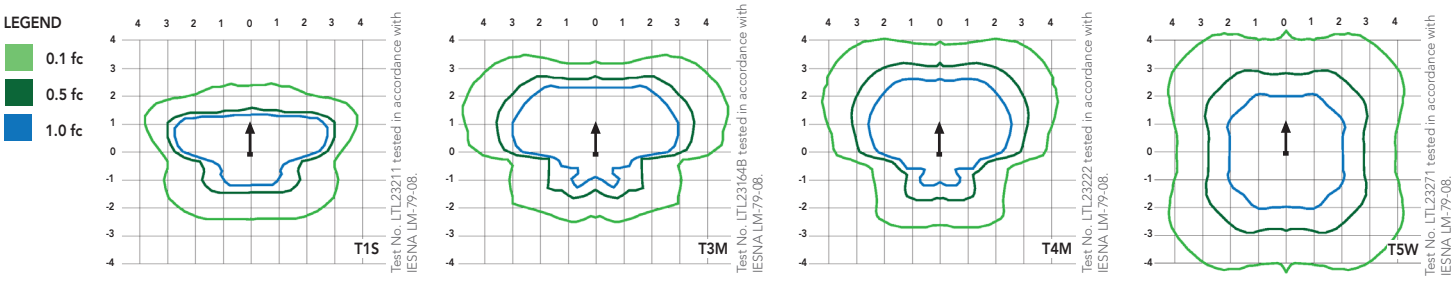
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX1 LED 60C 1000			
	1.0	0.95	0.93	0.88
	DSX1 LED 60C 700			
	1.0	0.99	0.98	0.96

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 1 homepage.

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.2 ft^2) for optimized pole wind loading.

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. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 4000 K (70 minimum CRI) or optional 3000 K (80 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

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

WARRANTY

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

Note: Specifications subject to change without notice.

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D-Series
LED Bollard

d:series

Catalog Number

Notes

Type

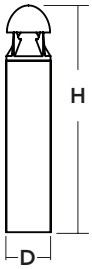
Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Diameter: 8" Round *(20.3 cm)*

Height: 42" *(106.7 cm)*

Weight (max): 27 lbs *(12.25 kg)*



Introduction

The D-Series LED Bollard is a stylish, energy-saving, long-life solution designed to perform the way a bollard should—with zero uplight. An optical leap forward, this full cut-off luminaire will meet the most stringent of lighting codes. The D-Series LED Bollard's rugged construction, durable finish and long-lasting LEDs will provide years of maintenance-free service.

Ordering Information

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

DSXB LED								
Series	**LEDs**	**Drive current**	**Color temperature**	**Distribution**	**Voltage**	**Control options**	**Other options**	**Finish** *(required)*
DSXB LED	**Asymmetric** 12C 12 LEDs[1] **Symmetric** 16C 16 LEDs[2]	350 350 mA 450 450 mA [3,4] 530 530 mA 700 700 mA	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted AMBLW Amber limited wavelength [3,4]	ASY Asymmetric [1] SYM Symmetric [2]	MVOLT [5] 120 [5] 208 [5] 240 [5] 277 [5] 347 [4]	**Shipped installed** PE Photoelectric cell, button type DMG 0-10V dimming driver (no controls) ELCW Emergency battery backup[6]	**Shipped installed** SF Single fuse (120, 277, 347V) [4,7] DF Double fuse (208, 240V) [4,7] H24 24" overall height H30 30" overall height H36 36" overall height FG Ground-fault festoon outlet L/AB Without anchor bolts L/AB4 4-bolt retrofit base without anchor bolts [8]	DWHXD White DNAXD Natural aluminum DDBXD Dark bronze DBLXD Black DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Accessories

Ordered and shipped separately.

MRAB U Anchor bolts for DSXB [8]

NOTES

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

LITHONIA LIGHTING

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Performance Data

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%.

Light Engines	Drive Current	System Watts	3000 K					4000 K					5000 K					Limited Wavelength Amber				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
Asymmetric 3 Engines (12 LEDs)	350	16	715	45	1	0	1	889	56	1	0	1	953	60	1	0	1					
	530	22	985	45	1	0	1	1,239	56	1	0	1	1,334	61	1	0	1					
	700	31	1,263	41	1	0	1	1,588	51	1	0	1	1,712	55	1	0	1					
	Amber 450	16																348	22	1	0	1
Symmetric 4 Engines (16 LEDs)	350	20	923	46	1	0	1	1,161	58	1	0	1	1,251	63	1	0	1					
	530	28	1,274	46	1	0	1	1,603	57	1	0	1	1,726	62	1	0	1					
	700	39	1,634	42	1	0	1	2,055	53	1	0	1	2,215	57	1	0	1					
	Amber 450	20																419	21	1	0	1

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

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.00	0.98	0.97	0.95

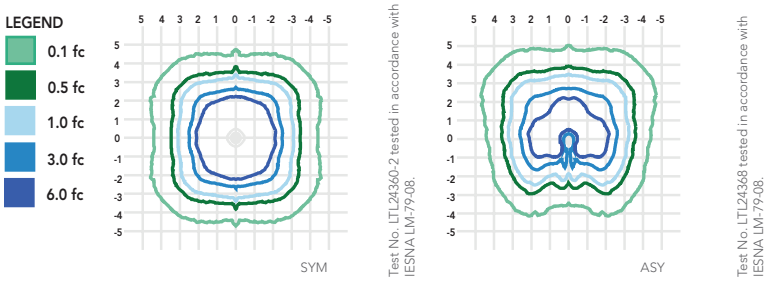
Electrical Load

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

Photometric Diagrams

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

Isofootcandle plots for the DSXB LED 700 40K. Distances are in units of mounting height (3').



FEATURES & SPECIFICATIONS

INTENDED USE

The rugged construction and maintenance-free performance of the D-Series LED Bollard is ideal for illuminating building entryways, walking paths and pedestrian plazas, as well as any other location requiring a low-mounting-height light source.

CONSTRUCTION

One-piece 8-inch-round extruded aluminum shaft with thick side walls for extreme durability, and die-cast aluminum reflector and top cap. Die-cast aluminum mounting ring allows for easy leveling even in uneven areas and full 360-degree rotation for precise alignment during installation. Three ½" x 11" anchor bolts with double nuts and washers and 3-5/8" max. bolt circle template ensure stability. Overall height is 42" standard.

FINISH

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

OPTICS

Two 0% uplight optical distributions are available: symmetrical and asymmetrical. IP66 sealed LED light engine provides smoothly graduated illumination without uplight. Light engines are available in standard 4000 K (>70 CRI) or optional 3000 K (>80 CRI) or 5000 K (67 CRI). Limited-wavelength amber LEDs are also available.

ELECTRICAL

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

LISTINGS

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

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

WARRANTY

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

Note: Specifications subject to change without notice.

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D-Series
LED Surface Canopy

Catalog Number

Notes

Type

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

d:series

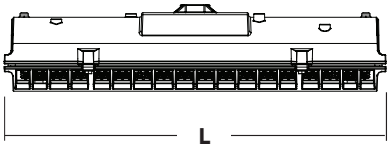
Specifications

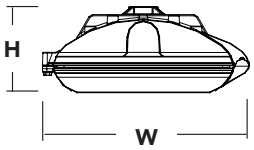
Length: 17-3/4" (45.1 cm)

Width: 8-1/2" (21.6 cm)

Height: 3-7/16" (8.7 cm)

Weight (max): 16 lbs (7.3 kg)





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.

Ordering Information

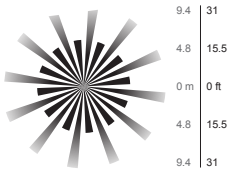
EXAMPLE: DSXSC LED 20C 700 40K T5M MVOLT SRM DWHXD

DSXSC LED															
Series	**LEDs**		**Drive current**		**Color temperature**		**Distribution**		**Voltage**	**Mounting**		**Options**		**Finish** *(required)*	
DSXSC LED	10C	10 LEDs (one engine) [1,2]	350	350 mA	30K	3000 K	T5E	Type V, entryway [4]	MVOLT [5]	**Shipped included**		**Shipped installed**		DWHXD	White
	20C	20 LEDs (two engines)	530	530 mA	40K	4000 K	T5M	Type V, medium	120 [5]	SRM	Surface mount	DMG	0-10V dimming driver (no controls)	DNAXD	Natural aluminum
	30C	30 LEDs (three engines)	700	700 mA	50K	5000 K	T5W	Type V, wide	208 [5]			HS	House-side shield (housing visor) [7]	DDBXD	Dark bronze
			1000	1000 mA (1 A)	AMBPC	Amber phosphor converted [3]	T5R	Type V, rectangular	240 [5]			SF	Single fuse (120, 277, 347V) [8,9]		
							ASY	Asymmetric	277 [5]			DF	Double fuse (208, 240, 480V) [8,9]		
									347 [6]			PIR360SS	Motion/ambient sensor, 8–15' mounting height [9,10]		
									480 [6]			PIRH360SS	Motion/ambient sensor, 15–30' mounting height [9,10]		
												SPD	Separate surge protection [11]		
												XAD	XPoint Wireless enabled [12]		
												CFMH	Cover finish matches housing [13]		
												Shipped separately			
												BDS	Bird shroud [7]		

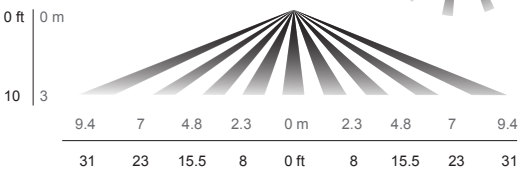
Motion Sensing

The motion/ambient sensor options (PIR360SS or PIRH360SS) have 360° of passive infrared sensing and adjustable bi-level dimming to save energy when there are no occupants.

TOP VIEW

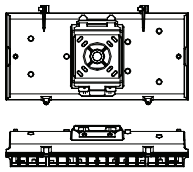


SIDE VIEW



Mounting Options

Surface Mounting



Accessories

Ordered and shipped separately.

DSXSCHS U	House-side shield (1 per light engine)
DSXSCBDSSJ DWHXD U	Bird shroud for SRM on surface J-box only, white (specify finish)

NOTES

1. Available with 700mA or 1000mA option only.
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 (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options).
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. Not available with XAD.
10. PIR360SS specifies the SensorSwitch SBOR-10-ODP control; PIRH360SS specifies the SensorSwitch SBOR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard.
11. See the electrical section on page 3 for more details.
12. Dimming driver standard. Available 120v or 277v only. Not available with fusing, PIR360SS or PIRH360SS.
13. Available with DNAXD or DDBXD only.

LITHONIA LIGHTING

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%.

Light Engines	Drive Current (mA)	Performance Package	System Watts	Dist. Type	30K (3000 K, 80 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 65 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
10C (10 LEDs)	700 mA	10C 700--K	26W	ASY	1,792	0	0	1	69	2,253	1	0	1	87	2,428	1	0	1	93
				T5E	1,882	1	0	0	72	2,366	1	0	0	91	2,550	1	0	0	98
				T5M	1,889	1	0	0	73	2,375	2	0	0	91	2,560	2	0	0	98
				T5R	1,860	2	0	2	72	2,339	2	0	2	90	2,521	2	0	2	97
				T5W	1,771	2	0	1	68	2,226	2	0	1	86	2,399	2	0	1	92
	1000 mA	10C1000 --K	37W	ASY	2,444	1	0	1	66	3,074	1	0	1	83	3,314	1	0	1	90
				T5E	2,566	1	0	0	69	3,227	2	0	0	87	3,479	2	0	0	94
				T5M	2,576	2	0	0	70	3,241	2	0	1	88	3,493	2	0	1	94
				T5R	2,537	2	0	2	69	3,191	2	0	2	86	3,440	3	0	3	93
				T5W	2,414	2	0	1	65	3,037	2	0	1	82	3,274	3	0	1	88
20C (20 LEDs)	350 mA	20C 350 --K	25W	ASY	1,995	1	0	1	80	2,511	1	0	1	100	2,705	1	0	1	108
				T5E	2,095	1	0	0	84	2,637	1	0	0	105	2,840	2	0	0	114
				T5M	2,103	2	0	0	84	2,647	2	0	0	106	2,851	2	0	1	114
				T5R	2,071	2	0	2	83	2,607	2	0	2	104	2,808	2	0	2	112
				T5W	1,971	2	0	1	79	2,481	2	0	1	99	2,672	2	0	1	107
	530 mA	20C 530 --K	37W	ASY	2,803	1	0	1	76	3,526	1	0	1	95	3,799	1	0	1	103
				T5E	2,943	2	0	0	80	3,702	2	0	0	100	3,989	2	0	0	108
				T5M	2,955	2	0	1	80	3,717	2	0	1	100	4,005	2	0	1	108
				T5R	2,910	2	0	2	79	3,660	3	0	3	99	3,944	3	0	3	107
				T5W	2,770	2	0	1	75	3,483	3	0	1	94	3,754	3	0	1	101
	700 mA	20C 700 --K	46W	ASY	3,449	1	0	1	75	4,337	1	0	1	94	4,675	1	0	1	102
				T5E	3,621	2	0	0	79	4,554	2	0	0	99	4,909	2	0	0	107
				T5M	3,636	2	0	1	79	4,572	3	0	1	99	4,928	3	0	1	107
				T5R	3,580	3	0	3	78	4,502	3	0	3	98	4,853	3	0	3	106
				T5W	3,407	3	0	1	74	4,285	3	0	1	93	4,619	3	0	1	100
	1000 mA	20C 1000 --K	74W	ASY	4,632	1	0	1	63	5,828	1	0	1	79	6,283	1	0	2	85
				T5E	4,864	2	0	0	66	6,119	2	0	0	83	6,597	2	0	1	89
				T5M	4,883	3	0	1	66	6,143	3	1	1	83	6,623	3	0	1	90
				T5R	4,808	3	0	3	65	6,050	3	0	3	82	6,522	3	0	3	88
				T5W	4,577	3	0	1	62	5,758	3	0	2	78	6,207	3	0	2	84
30C (30 LEDs)	350 mA	30C 350 --K	35W	ASY	3,022	1	0	1	86	3,799	1	0	1	109	4,097	1	0	1	117
				T5E	3,172	2	0	0	91	3,989	2	0	0	114	4,302	2	0	0	123
				T5M	3,185	2	0	1	91	4,005	2	0	1	114	4,319	3	0	1	123
				T5R	3,137	2	0	2	90	3,944	3	0	3	113	4,253	3	0	3	122
				T5W	2,985	2	0	1	85	3,754	3	0	1	107	4,048	3	0	1	116
	530 mA	30C 530 --K	53W	ASY	4,239	1	0	1	80	5,333	1	0	1	101	5,748	1	0	1	108
				T5E	4,451	2	0	0	84	5,599	2	0	0	106	6,035	2	0	0	114
				T5M	4,468	3	0	1	84	5,622	3	0	1	106	6,059	3	0	1	114
				T5R	4,400	3	0	3	83	5,536	3	0	3	104	5,967	3	0	3	113
				T5W	4,188	3	0	1	79	5,269	3	0	1	99	5,679	3	0	1	107
	700 mA	30C 700 --K	67W	ASY	5,170	1	0	1	77	6,504	1	0	2	97	7,011	1	0	2	105
				T5E	5,428	2	0	0	81	6,829	3	0	1	102	7,362	3	0	1	110
				T5M	5,450	3	0	1	81	6,856	3	0	1	102	7,391	3	0	2	110
				T5R	5,367	3	0	3	80	6,752	3	0	3	101	7,278	3	0	3	109
				T5W	5,108	3	0	1	76	6,426	3	0	2	96	6,927	3	0	2	103
	1000 mA	30C 1000 --K	107W	ASY	6,775	1	0	2	63	8,520	2	0	2	80	9,187	2	0	2	86
				T5E	7,113	3	0	1	66	8,946	3	0	1	84	9,646	3	0	1	90
				T5M	7,141	3	0	1	67	8,982	3	0	2	84	9,685	3	0	2	91
				T5R	7,032	3	0	3	66	8,845	4	0	4	83	9,537	4	0	4	89
				T5W	6,693	3	0	2	63	8,418	4	0	2	79	9,077	4	0	2	85

Note: Available with phosphor-converted amber LEDs (nomenclature AMBPC). These LEDs produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files (for 530mA and 700mA drive currents only).

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
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	0.98

Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A) 120	208	240	277	347	480
10C	700	26W	0.25	0.15	0.13	0.11	–	–
	1000	37W	0.37	0.21	0.18	0.16	–	–
20C	350	25W	0.23	0.13	0.12	0.10	–	–
	530	37W	0.33	0.19	0.17	0.14	–	–
	700	46W	0.43	0.25	0.22	0.19	0.15	0.11
	1000	74W	0.68	0.39	0.34	0.29	–	–
30C	350	35W	0.33	0.19	0.16	0.14	–	–
	530	53W	0.50	0.29	0.25	0.22	–	–
	700	67W	0.66	0.38	0.33	0.29	0.23	0.17
	1000	107W	1.01	0.58	0.50	0.44	–	–

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSXSC LED 10C 1000			
	1.0	0.97	0.94	0.90
	DSXSC LED 30C 1000			
	1.0	0.93	0.89	0.80
	DSXSC LED 30C 700			
	1.0	0.98	0.97	0.95

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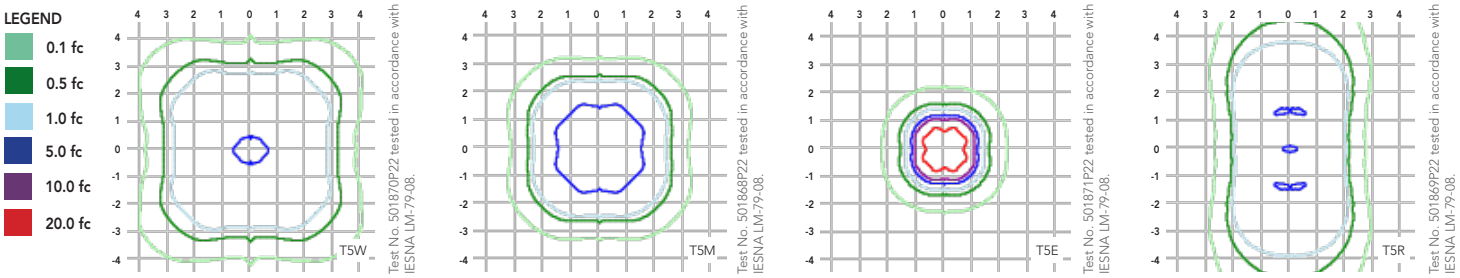
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Parking Garage homepage.

Isofootcandle plots for the DSXSC LED 30C 700 40K. Distances are in units of mounting height (8').



FEATURES & SPECIFICATIONS

INTENDED USE
The energy savings, long life, and easy-to-install design of the D-Series LED Surface Canopy luminaire make it the smart choice for canopy lighting in commercial, industrial and institutional applications with mounting heights of 8-15'.

CONSTRUCTION
Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP66) and is suitable for hose-down.

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 proprietary acrylic lenses provide five different photometric distributions suited to a variety of canopy and walkway applications. Light engines are available in 3000 K (80 min. CRI), 4000 K (70 min. CRI) or 5000 K (65 min. CRI) configurations.

ELECTRICAL
Light engines consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life. The electronic driver has a power factor of >90%, THD <20%, and a minimum 2.5 KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C low operation (per ANSI/IEEE C62.41.2).

INSTALLATION
Mounts to a 4x4" recessed or surface mount outlet box using a quick-mount kit (included); kit contains galvanized steel luminaire and outlet box plates and a full pad gasket. Kit has an integral mounting support that allows the luminaire to hinge down for easy electrical connections. Luminaire and plates are secured with captive screws. Supply leads are 12" in length as standard. For longer supply leads, please consult factory.

LISTINGS
CSA certified to U.S. and Canadian standards. Light engines and luminaire are IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) qualified product — Fuel Pump Canopy Luminaires category. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

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

Note: Specifications subject to change without notice.

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