

WPX LED Wall Packs



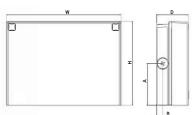












Front View

Side View

Luminaire	Unight (U)	Width (W)	Depth (D)	Side Condu	it Location	Weight
Lummaire	Height (H)	wiath (w)	νeptii (ν)	Α	В	weight
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.3 cm)	0.6" (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.1" (10.5 cm)	4.5" (11.5 cm)	0.7" (1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	5.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	11.0 lbs (5.0kg)

Catalog Number			
Notes			
Туре			

Introduction

The WPX LED wall packs are energy-efficient, costeffective, 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 that 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.

Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

Series		Color Temperature	Voltage	Options	Finish
WPX1 LED P1 WPX1 LED P2 WPX2 LED WPX3 LED	1,550 Lumens, 11W ¹ 2,900 Lumens, 24W 6,000 Lumens, 47W 9,200 Lumens, 69W	30K 3000K 40K 4000K 50K 5000K	MVOLT 120V - 277V 347 347V ³	(blank) None E4WH Emergency battery backup, CEC compliant (4W, 0°C min)² E14WC Emergency battery backup, CEC compliant (14W, -20°C min)² PE Photocell³	DDBXD Dark bronze DWHXD White DBLXD Black Note: For other options, consult factory.

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.

- All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection.
 Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
- 2. Battery pack options only available on WPX1 and WPX2. 3. Battery pack options not available with 347V and PE options.

FEATURES & SPECIFICATIONS

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection). All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on 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 facing downwards.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at w which versions are qualified. International Dark Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited 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:

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.



Electrical Load

Luminaire	Input Power (W)	120V	208V	240V	277V	347V
WPX1 LED P1	11W	0.09	0.05	0.05	0.04	0.03
WPX1 LED P2	24W	0.20	0.12	0.10	0.09	0.07
WPX2	47W	0.39	0.23	0.20	0.17	0.14
WPX3	69W	0.58	0.33	0.29	0.25	0.20

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25° C ambient, based on 6,000 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	50,000	75,000	100,000
Lumen Maintenance Factor	>0.94	>0.92	>0.90

HID Replacement Guide

Luminaire	Equivalent HID Lamp	WPX Input Power
WPX1 LED P1	100W	11W
WPX1 LED P2	150W	24W
WPX2	250W	47W
WPX3	400W	69W

Lumen Output

Luminaire	Color Temperature	Lumen Output
	3000K	1,537
WPX1 LED P1	4000K	1,568
	5000K	1,602
	3000K	2,748
WPX1 LED P2	4000K	2,912
	5000K	2,954
	3000K	5,719
WPX2	4000K	5,896
	5000K	6,201
	3000K	8,984
WPX3	4000K	9,269
	5000K	9,393

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35℃	95°F	0.98
40°C	104°F	0.97

Emergency Egress Battery Packs

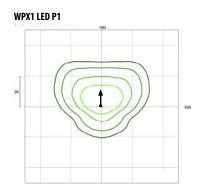
The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

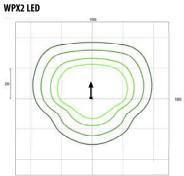
Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT E4WH DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT E14WC DDBXD

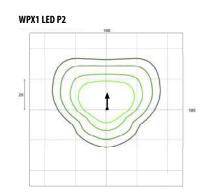
Photometric Diagrams

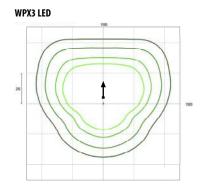
To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WPX LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards











 $\label{eq:mounting Height} \mbox{Mounting Height} = \mbox{12 Feet.}$





D-Series Size 0

LED Area Luminaire









Specifications

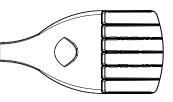


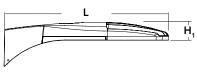
Height,:

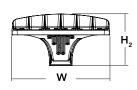
Weight

(max):

(17.8 cm) 16 lbs







Catalog

Notes

Туре

Types B,D,E

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

DSX0 LED					
Series	ries LEDs Color temperature		Distribution	Voltage	Mounting
DSX0 LED	Forward optics	30K 3000 K	T1S Type I short T5S Type V short	MVOLT 3,4	Shipped included
	P1 P4 P7	40K 4000 K	T2S Type II short T5M Type V medium	120 ⁴	SPA Square pole mounting
	P2 P5	50K 5000 K	T2M Type II medium T5W Type V wide	208 4	RPA Round pole mounting
	P3 P6		T3S Type III short BLC Backlight control ²	240 ⁴	WBA Wall bracket
	Rotated optics		T3M Type III medium LCCO Left corner cutoff ²	277 ⁴	SPUMBA Square pole universal mounting adaptor ⁶
	P10 ¹ P12 ¹		T4M Type IV medium RCCO Right corner cutoff ²	347 ^{4,5}	RPUMBA Round pole universal mounting adaptor ⁶
	P11 ¹ P13 ¹		TFTM Forward throw	480 4,5	Shipped separately
			medium		KMA8 DDBXD U Mast arm mounting bracket adaptor
			T5VS Type V very short		(specify finish) ⁷

Control options C					Other options		Finish (required)	
PIRHN PER PER5 PER7	nLight AIR generation 2 enabled ^{8,9} Network, high/low motion/ambient sensor ¹⁰ NEMA twist-lock receptacle only (control ordered separate) ¹¹ Five-pin receptacle only (control ordered separate) ^{11,12} Seven-pin receptacle only (leads exit fixture) (control ordered separate) ^{11,12} 0-10V dimming extend out back of housing for external control (control ordered separate) ¹³	PIR PIRH PIR1FC3V PIRH1FC3V FAO	High/low, motion/ambient sensor, 8–15' mounting height, ambient sensor enabled at 5fc ^{14,15} High/low, motion/ambient sensor, 15–30' mounting height, ambient sensor enabled at 5fc ^{14,15} High/low, motion/ambient sensor, 8–15' mounting height, ambient sensor enabled at 1fc ^{14,15} High/low, motion/ambient sensor, 15–30' mounting height, ambient sensor enabled at 1fc ^{14,15} Field adjustable output ¹⁶	HS SF DF L90 R90 DDL	House-side shield 17 Single fuse (120, 277, 347V) 4 Double fuse (208, 240, 480V) 4 Left rotated optics 1 Right rotated optics 1 Diffused drop lens 17 ped separately Bird spikes 18 External glare shield 18	DDBXD DBLXD DNAXD DWHXD DDBTXD DBLBXD DNATXD DWHGXD	Dark bronze Black Natural aluminum White Textured dark bronze Textured black Textured natural aluminum Textured white	



Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU Photocell - SSL twist-lock (120-277V) 19 DLL347F 1.5 CUL JU Photocell - SSL twist-lock (347V) 19 DLL480F 1.5 CUL JU Photocell - SSL twist-lock (480V) 19 DSHORT SBK U Shorting cap 19 DSX0HS 20C U DSXOHS 30C U

House-side shield for P1,P2,P3 and P4 17 House-side shield for P10,P11,P12 and P13 17 DSX0HS 40C U House-side shield for P5,P6 and P7 17 DSXODDL U Diffused drop lens (polycarbonate) 17 Square and round pole universal mounting bracket adaptor (specify finish) 20 PUMBA DDBXD U* Mast arm mounting bracket adaptor (specify KMA8 DDBXD U

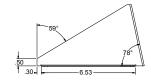
For more control options, visit DTL and ROAM online. Link to nLight Air 2

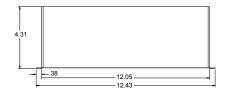
- PTES
 P10, P11, P12 and P13 and rotated options (L90 or R90) only available together.
 Not available with HS or DDL.
 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
 Not available with B1.30, BLS0 or PNMT options.
 Universal mounting brackets intended for retrofit on existing pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31.
 Universal mounting brackets intended for retrofit on existing pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31.
 Must order fixture with SPA mounting. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8* mast arm (not included).
 Must be ordered with NITAIRE. For more information on nLight Air 2 visit this link.
 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V.
 Reference PER Table on page 3.
 Reference PER Table on page 3 to see functionality.
 Not available with ther dimming controls options.
 Not available with blt-CL CCO and RCCO distribution.
 Must be ordered with fixture for factory pre-drilling.

- Must be ordered with fixture for factory pre-drilling. Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.

EGS – External Glare Shield



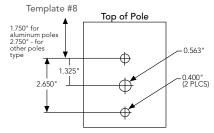




Drilling

HANDHOLE ORIENTATION (from top of pole)



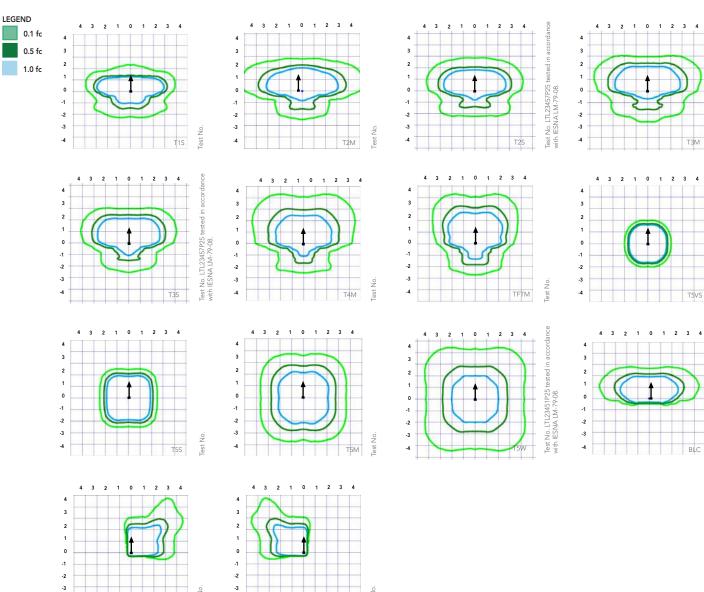


Tenon Mounting Slipfitter

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	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

			■■	T .		**	
Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
				Minimum Acceptable	Outside Pole Dimens	ion	
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"		3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"		4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (20').



Test No. LTL23457P25 tested in accordance with IESNA LM-79-08.

Lumen Ambient Temperature (LAT) Multipliers

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

Ambie	ent	Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	77°C	1.00
30°C	86°F	0.99
35℃	95°F	0.98
40°C	104°F	0.97

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	Lumen Maintenance Factor
25,000	0.96
50,000	0.92
100,000	0.85

		Motion Senso	or Default Setti	ngs									
Option	Dimmed State	High Level (when triggered)	Phototcell Operation	Dwell Time	Ramp-up Time	Ramp-down Time							
PIR or PIRH	3V (37%) Output	5 min	3 sec	5 min									
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min							
*for use with se	*for use with separate Dusk to Dawn or timer.												

Electrical Load

Liceti icai L	-044						Curre	nt (A)		
	Performance Package	LED Count	Drive Current	Wattage	120	208	240	277	347	480
	P1	20	530	38	0.32	0.18	0.15	0.15	0.10	0.08
	P2	20	700	49	0.41	0.23	0.20	0.19	0.14	0.11
	P3	20	1050	71	0.60	0.37	0.32	0.27	0.21	0.15
Forward Optics (Non-Rotated)	P4	20	1400	92	0.77	0.45	0.39	0.35	0.28	0.20
	P5	40	700	89	0.74	0.43	0.38	0.34	0.26	0.20
	P6	40	1050	134	1.13	0.65	0.55	0.48	0.39	0.29
	P7	40	1300	166	1.38	0.80	0.69	0.60	0.50	0.37
	P10	30	530	53	0.45	0.26	0.23	0.21	0.16	0.12
Rotated Optics	P11	30	700	72	0.60	0.35	0.30	0.27	0.20	0.16
(Requires L90 or R90)	P12	30	1050	104	0.88	0.50	0.44	0.39	0.31	0.23
	P13	30	1300	128	1.08	0.62	0.54	0.48	0.37	0.27

Controls Options

Nomenclature	Descripton	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the lumiaire; wired to the driver dimming leads.	Allows the lumiaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independantly for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two seperately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBOR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

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.

Forward	Optics																		
Power	LED Count	Drive	System	Dist.		: (3000	30K K, 70 (CRI)			(4000	40K K, 70 (IRI)				50K K, 70	CRI)	
Package		Current	Watts	Type	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW
				T1S	4,369	1	0	1	115	4,706	1	0	1	124	4,766	1	0	1	125
				T2S	4,364	1	0	1	115	4,701	1	0	1	124	4,761	1	0	1	125
				T2M	4,387	1	0	1	115	4,726	1	0	1	124	4,785	1	0	1	126
				T3S	4,248	1	0	1	112	4,577	1	0	1	120	4,634	1	0	1	122
				T3M	4,376	1	0	1	115	4,714	1	0	1	124	4,774	1	0	1	126
				T4M	4,281	1	0	1	113	4,612	1	0	2	121	4,670	1	0	2	123
P1	20	530	38W	TFTM	4,373	1	0	1	115	4,711	1	0	2	124	4,771	1	0	2	126
				T5VS	4,548	2	0	0	120	4,900	2	0	0	129	4,962	2	0	0	131
				TSS	4,552	2	0	0	120	4,904	2	0	0	129	4,966	2	0	0	131
				T5M	4,541	3	0	1	120	4,891	3	0	1	129	4,953	3	0	1	130
				T5W	4,576	3	0	2	120	4,929	3	0	2	130	4,992	3	0	2	131
				BLC	3,586	1	0	1	94	3,863	1	0	1	102	3,912	1	0	1	103
				LCC0	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77
				RCCO T1S	2,668	1	0	1	70 114	2,874 6,001	1	0	2	76 122	2,911	2	0	2	77 124
				T2S	5,570		0	2	114	5,994		0	2	122	6,077 6,070	2	0	2	124
				T2M	5,564	1	0	1	114	-	1	0	1		-		0	1	124
				T3S	5,593 5,417	1	0	2	111	6,025 5,835	1	0	2	123 119	6,102 5,909	2	0	2	123
				T3M	5,580	1	0	2	114	6,011	1	0	2	123	6,087	1	0	2	124
				T4M	5,458	1	0	2	111	5,880	1	0	2	120	5,955	1	0	2	122
				TFTM	5,576	1	0	2	114	6,007	1	0	2	123	6,083	1	0	2	124
P2	20	700	49W	T5VS	5,799	2	0	0	118	6,247	2	0	0	127	6,327	2	0	0	129
				TSS	5,804	2	0	0	118	6,252	2	0	0	128	6,332	2	0	1	129
				T5M	5,789	3	0	1	118	6,237	3	0	1	127	6,316	3	0	1	129
				T5W	5,834	3	0	2	119	6,285	3	0	2	128	6,364	3	0	2	130
				BLC	4,572	1	0	1	93	4,925	1	0	1	101	4,987	1	0	1	102
				LCCO	3,402	1	0	2	69	3,665	1	0	2	75	3,711	1	0	2	76
				RCCO	3,402	1	0	2	69	3,665	1	0	2	75	3,711	1	0	2	76
				T1S	7,833	2	0	2	110	8,438	2	0	2	119	8,545	2	0	2	120
				T2S	7,825	2	0	2	110	8,429	2	0	2	119	8,536	2	0	2	120
				T2M	7,865	2	0	2	111	8,473	2	0	2	119	8,580	2	0	2	121
				T3S	7,617	2	0	2	107	8,205	2	0	2	116	8,309	2	0	2	117
				T3M	7,846	2	0	2	111	8,452	2	0	2	119	8,559	2	0	2	121
				T4M	7,675	2	0	2	108	8,269	2	0	2	116	8,373	2	0	2	118
Р3	20	1050	71W	TFTM	7,841	2	0	2	110	8,447	2	0	2	119	8,554	2	0	2	120
rs	20	1050	/ IVV	T5VS	8,155	3	0	0	115	8,785	3	0	0	124	8,896	3	0	0	125
				T5S	8,162	3	0	1	115	8,792	3	0	1	124	8,904	3	0	1	125
				T5M	8,141	3	0	2	115	8,770	3	0	2	124	8,881	3	0	2	125
				T5W	8,204	3	0	2	116	8,838	4	0	2	124	8,950	4	0	2	126
				BLC	6,429	1	0	2	91	6,926	1	0	2	98	7,013	1	0	2	99
				LCC0	4,784	1	0	2	67	5,153	1	0	2	73	5,218	1	0	2	73
				RCCO	4,784	1	0	2	67	5,153	1	0	2	73	5,218	1	0	2	73
				T1S	9,791	2	0	2	106	10,547	2	0	2	115	10,681	2	0	2	116
				T2S	9,780	2	0	2	106	10,536	2	0	2	115	10,669	2	0	2	116
				T2M	9,831	2	0	2	107	10,590	2	0	2	115	10,724	2	0	2	117
				T3S	9,521	2	0	2	103	10,256	2	0	2	111	10,386	2	0	2	113
				T3M	9,807	2	0	2	107	10,565	2	0	2	115	10,698	2	0	2	116
				T4M	9,594	2	0	2	104	10,335	2	0	3	112	10,466	2	0	3	114
P4	20	1400	92W	TFTM	9,801	2	0	2	107	10,558	2	0	2	115	10,692	2	0	2	116
			'	T5VS	10,193	3	0	1	111	10,981	3	0	1	119	11,120	3	0	1	121
				TSS	10,201	3	0	1	111	10,990	3	0	1	119	11,129	3	0	1	121
				T5M	10,176	4	0	2	111	10,962	4	0	2	119	11,101	4	0	2	121
				T5W	10,254	4	0	3	111	11,047	4	0	3	120	11,186	4	0	3	122
				BLC	8,036	1	0	2	87	8,656	1	0	2	94	8,766	1	0	2	95
				LCC0	5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71
					5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71



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.

Forward	Optics																		
Power	LED Count	Drive	System	Dist.		(:	30K 3000 K, 70 CI	RI)			(4	40K 1000 K, 70 C	RI)			(!	50K 5000 K, 70 C	RI)	
Package	LLD Count	Current	Watts	Туре	Lumens	В	Ú	G	LPW	Lumens	В	Ú	G	LPW	Lumens	В	Ú	G	LPW
				T1S	10,831	2	0	2	122	11,668	2	0	2	131	11,816	2	0	2	133
				T2S	10,820	2	0	2	122	11,656	2	0	2	131	11,803	2	0	2	133
				T2M	10,876	2	0	2	122	11,716	2	0	2	132	11,864	2	0	2	133
				T3S	10,532	2	0	2	118	11,346	2	0	2	127	11,490	2	0	2	129
				T3M	10,849	2	0	2	122	11,687	2	0	2	131	11,835	2	0	2	133
				T4M	10,613	2	0	3	119	11,434	2	0	3	128	11,578	2	0	3	130
P5	40	700	89W	TFTM	10,842	2	0	2	122	11,680	2	0	2	131	11,828	2	0	2	133
1.5	40	700	OOW	T5VS	11,276	3	0	1	127	12,148	3	0	1	136	12,302	3	0	1	138
				T5S	11,286	3	0	1	127	12,158	3	0	1	137	12,312	3	0	1	138
				T5M	11,257	4	0	2	126	12,127	4	0	2	136	12,280	4	0	2	138
				T5W	11,344	4	0	3	127	12,221	4	0	3	137	12,375	4	0	3	139
				BLC	8,890	1	0	2	100	9,576	1	0	2	108	9,698	1	0	2	109
				LCC0	6,615	1	0	3	74	7,126	1	0	3	80	7,216	1	0	3	81
				RCCO	6,615	1	0	3	74	7,126	1	0	3	80	7,216	1	0	3	81
				T1S T2S	14,805	3	0	3	110	15,949	3	0	3	119	16,151	3	0	3	121
				T2M	14,789	3	0	3	110	15,932	3	0	3	119	16,134	3	0	3	120
				T3S	14,865 14,396	3	0	3	111 107	16,014 15,509	3	0	3	120 116	16,217 15,705	3	0	3	121 117
				T3M	14,396	2	0	3	111	15,975	3	0	3	119	16,177	3	0	3	121
				T4M	14,507	2	0	3	108	15,628	3	0	3	117	15,826	3	0	3	118
				TFTM	14,820	2	0	3	111	15,965	3	0	3	119	16,167	3	0	3	121
P6	40	1050	134W	T5VS	15,413	4	0	1	115	16,604	4	0	1	124	16,815	4	0	1	125
				TSS	15,426	3	0	1	115	16,618	4	0	1	124	16,828	4	0	1	126
				T5M	15,387	4	0	2	115	16,576	4	0	2	124	16,786	4	0	2	125
				T5W	15,506	4	0	3	116	16,704	4	0	3	125	16,915	4	0	3	126
				BLC	12,151	1	0	2	91	13,090	1	0	2	98	13,255	1	0	2	99
				LCC0	9,041	1	0	3	67	9,740	1	0	3	73	9,863	1	0	3	74
				RCCO	9,041	1	0	3	67	9,740	1	0	3	73	9,863	1	0	3	74
				T1S	17,023	3	0	3	103	18,338	3	0	3	110	18,570	3	0	3	112
				T2S	17,005	3	0	3	102	18,319	3	0	3	110	18,551	3	0	3	112
				T2M	17,092	3	0	3	103	18,413	3	0	3	111	18,646	3	0	3	112
				T3S	16,553	3	0	3	100	17,832	3	0	3	107	18,058	3	0	3	109
				T3M	17,051	3	0	3	103	18,369	3	0	3	111	18,601	3	0	3	112
				T4M	16,681	3	0	3	100	17,969	3	0	3	108	18,197	3	0	3	110
P7	40	1300	166W	TFTM	17,040	3	0	3	103	18,357	3	0	4	111	18,590	3	0	4	112
				T5VS	17,723	4	0	1	107	19,092	4	0	1	115	19,334	4	0	1	116
				T5S	17,737	4	0	2	107	19,108	4	0	2	115	19,349	4	0	2	117
				T5M	17,692	4	0	2	107	19,059	4	0	2	115	19,301	4	0	2	116
				T5W	17,829	5	0	3	107	19,207	5	0	3	116	19,450	5	0	3	117
				BLC	13,971	2	0	2	84	15,051	2	0	2	91	15,241	2	0	2	92
				LCC0	10,396	1	0	3	63	11,199	1	0	3	67	11,341	1	0	3	68
					10,396	1	0	3	63	11,199	1	U	3	67	11,341		0	3	68



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.

Rotated	Optics																		
Power	LED Count	Drive	System	Dist.		(3	30K 8000 K, 70 CF	RI)			(4	40K 000 K, 70 C	RI)			(5	50K 6000 K, 70 CI	RI)	
Package		Current	Watts	Type	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW
				T1S	6,727	2	0	2	127	7,247	3	0	3	137	7,339	3	0	3	138
				T2S	6,689	3	0	3	126	7,205	3	0	3	136	7,297	3	0	3	138
				T2M	6,809	3	0	3	128	7,336	3	0	3	138	7,428	3	0	3	140
				T3S	6,585	3	0	3	124	7,094	3	0	3	134	7,183	3	0	3	136
				T3M	6,805	3	0	3	128	7,331	3	0	3	138	7,424	3	0	3	140
				T4M	6,677	3	0	3	126	7,193	3	0	3	136	7,284	3	0	3	137
P10	30	530	53W	TFTM	6,850	3	0	3	129	7,379	3	0	3	139	7,472	3	0	3	141
110	30	330	3344	T5VS	6,898	3	0	0	130	7,431	3	0	0	140	7,525	3	0	0	142
				T5S	6,840	2	0	1	129	7,368	2	0	1	139	7,461	2	0	1	141
				T5M	6,838	3	0	1	129	7,366	3	0	2	139	7,460	3	0	2	141
				T5W	6,777	3	0	2	128	7,300	3	0	2	138	7,393	3	0	2	139
				BLC	5,626	2	0	2	106	6,060	2	0	2	114	6,137	2	0	2	116
				LCC0	4,018	1	0	2	76	4,328	1	0	2	82	4,383	1	0	2	83
				RCCO	4,013	3	0	3	76	4,323	3	0	3	82	4,377	3	0	3	83
				T1S	8,594	3	0	3	119	9,258	3	0	3	129	9,376	3	0	3	130
				T2S	8,545	3	0	3	119	9,205	3	0	3	128	9,322	3	0	3	129
				T2M	8,699	3	0	3	121	9,371	3	0	3	130	9,490	3	0	3	132
				T3S	8,412	3	0	3	117	9,062	3	0	3	126	9,177	3	0	3	127
				T3M	8,694	3	0	3	121	9,366	3	0	3	130	9,484	3	0	3	132
				T4M	8,530	3	0	3	118	9,189	3	0	3	128	9,305	3	0	3	129
P11	30	700	72W	TFTM	8,750	3	0	3	122	9,427	3	0	3	131	9,546	3	0	3	133
				T5VS	8,812	3	0	0	122	9,493	3	0	0	132	9,613	3	0	0	134
				T5S	8,738	3	0	1	121	9,413	3	0	1	131	9,532	3	0	1	132
				T5M	8,736	3	0	2	121	9,411	3	0	2	131	9,530	3	0	2	132
				T5W	8,657	4	0	2	120	9,326	4	0	2	130	9,444	4	0	2	131
				BLC	7,187	3		3	100	7,742	3	0	3	108	7,840	3		3	109
				LCCO RCCO	5,133	3	0	2	71 71	5,529	3	0	2	77	5,599	3	0	2	78
				T1S	5,126 12,149	3	0	3	117	5,522 13,088	3	0	3	126	5,592 13,253	3	0	3	78 127
				T2S	12,149	4	0	4	116	13,000	4	0	4	125	13,177	4	0	4	127
				T2M	12,079	3	0	3	118	13,012	3	0	3	127	13,415	3	0	3	127
				T3S	11,891	4	0	4	114	12,810	4	0	4	123	12,972	4	0	4	125
				T3M	12,290	3	0	3	118	13,239	4	0	4	127	13,407	4	0	4	129
				T4M	12,058	4	0	4	116	12,990	4	0	4	125	13,154	4	0	4	126
				TFTM	12,369	4	0	4	119	13,325	4	0	4	128	13,494	4	0	4	130
P12	30	1050	104W	T5VS	12,456	3	0	1	120	13,419	3	0	1	129	13,589	4	0	1	131
				TSS	12,351	3	0	1	119	13,306	3	0	1	128	13,474	3	0	1	130
				T5M	12,349	4	0	2	119	13,303	4	0	2	128	13,471	4	0	2	130
				T5W	12,238	4	0	3	118	13,183	4	0	3	127	13,350	4	0	3	128
				BLC	10,159	3	0	3	98	10,944	3	0	3	105	11,083	3	0	3	107
				LCCO	7,256	1	0	3	70	7,816	1	0	3	75	7,915	1	0	3	76
				RCCO	7,246	3	0	3	70	7,806	4	0	4	75	7,905	4	0	4	76
				T1S	14,438	3	0	3	113	15,554	3	0	3	122	15,751	3	0	3	123
				T2S	14,355	4	0	4	112	15,465	4	0	4	121	15,660	4	0	4	122
				T2M	14,614	3	0	3	114	15,744	4	0	4	123	15,943	4	0	4	125
				T3S	14,132	4	0	4	110	15,224	4	0	4	119	15,417	4	0	4	120
				T3M	14,606	4	0	4	114	15,735	4	0	4	123	15,934	4	0	4	124
				T4M	14,330	4	0	4	112	15,438	4	0	4	121	15,633	4	0	4	122
D43	30	1200	12011	TFTM	14,701	4	0	4	115	15,836	4	0	4	124	16,037	4	0	4	125
P13	30	1300	128W	T5VS	14,804	4	0	1	116	15,948	4	0	1	125	16,150	4	0	1	126
				T5S	14,679	3	0	1	115	15,814	3	0	1	124	16,014	3	0	1	125
				T5M	14,676	4	0	2	115	15,810	4	0	2	124	16,010	4	0	2	125
				T5W	14,544	4	0	3	114	15,668	4	0	3	122	15,866	4	0	3	124
				BLC	7919	3	0	3	62	8531	3	0	3	67	8639	3	0	3	67
				LCC0	5145	1	0	2	40	5543	1	0	2	43	5613	1	0	2	44
					5139	3	0	3	40	5536	3	0	3	43	5606	3	0	3	44



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® 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 <u>www.acuitybrands.com/aplus</u>.

- 1. 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

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

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 (0.95 ft²) 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 3000 K, 4000 K or 5000 K (70 CRI) configurations. The D-Series Size 0 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(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 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 surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX0 LED area luminaire has a number of control options. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS

The DSX0 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

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 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block 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) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

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

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 $^{\circ}\text{C}.$

Specifications subject to change without notice.





D-Series Pole Mount

LED Area Luminaire







Notes Type - C

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

Specifications

Luminaire

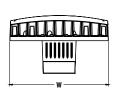
EPA: 0.8 ft² (.07 m²)

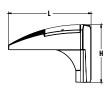
Width: 13-3/4" (34.9 cm)

Length: 11.5" (29.2 cm)

Height: 8" (20.3 cm)

Weight: 16.03 lbs





Introduction

Catalog

The D-Series Pole Mount luminaire is a stylish, fully integrated LED solution for area and site 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 an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Pole Mount is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXWPM LED 20C 1000 40K T5M MVOLT SPUMBA DDBXD

DSXWPM LED						
Series	LEDs	Drive current Col	olor temperature	Distribution	Voltage	Mounting ³
DSXWPM LED	10C 10 LEDs (one engine) 20C 20 LEDs (two engines)	530 530 mA 40 700 700 mA 50	30K 3000K 40K 4000K 50K 5000K AMBPC Amber phosphor converted	T2S Type II short T5M Type V medium T2M Type II medium T5S Type V short T3S Type III short T5A Type V area T3M Type III medium T5W Type V wide T4M Type IV medium SYMDF Symmetric diffuse TFTM Forward throw medium	MVOLT ¹ 120 ¹ 208 ¹ 240 ¹ 277 ¹ 347 ² 480 ²	Shipped included SPUMBA Square pole universal mounting adapter RPUMBA Round pole universal mounting adapter PUMBA Square and round universal mounting adapters

Control Opt	ions	Othe	r Options			Finish (reg								
Shipped in			oped installed		oed separately ⁹	DDBXD	Dark bronze	DDBTXD	Textured dark bronze					
PE	Photoelectric cell, button type ⁴	SF	Single fuse (120, 277, 347V) 8	BSW	Bird-deterrent spikes	DBLXD	Black	DBLBXD	Textured black					
DMG	0-10v dimming wires pulled outside fixture (for use	DF	Double fuse (208, 240, 480 V) 8	WG	Wire guard	DNAXD	Natural aluminum	DNATXD	Textured natural aluminum					
	with an external control, ordered separately)	HS	House-side shield 8	VG DDL	Vandal guard	DWHXD	White	DWHGXD	Textured white					
PIR	Motion/ambient light sensor, <15' mtg ht 5,6	"	, mouse state stricta		Diffused drop lens	DSSXD	Sandstone	DSSTXD	Textured sandstone					
PIRH	Motion/ambient light sensor, 15-30' mtg ht 5,6			552	binasea arop iens	555,15	Sarrastorie	5551,70	rentared samastone					
PIR1FC3V	Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ⁷													
PIRH1FC3V	Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ⁷													

NOTES

- 1 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).
- 2 Only available with 20C, 700mA or 1000mA. Not available with PIR, PIRH.
- 3 Not available with 90 degree mounting. Not recommended for 3" poles.
- 4 Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
- 5 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. Includes ambient light sensor. Not available with "PE"option (button type photocell).
- Not available with 20 LED/1000 mA configuration (DSXWPM LED 20C 1000).
- 7 PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Not available with PER5 or PER7. Separate on/off required.
- 3 Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208, 240, or 480 voltage option.
- 9 Also available as a separate accessory; see Accessories information.

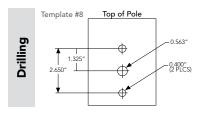
Accessories

Ordered and shipped separately.

House-side shield (one per light engine)

DSXWHS U House-side shield (one per DSXWBSW U Bird-deterrent spikes DSXW1WG U Wire guard accessory DSXW1VG U Vandal guard accessory DSXWDDL U Diffused drop lens





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If ordering new poles, specify the AERIS $^{\mbox{\scriptsize IM}}$ drilling pattern, per the table below.

> DM19AS Single unit **DM28AS** 2 at 180°

Example: SSA 20 4C DM19AS DDBXD

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	System	Dist.			30K					40K					50K			AMBPC (Amber Phosphor Converted)				
LEDS	Current (mA)	Watts	Туре	Lumens	В	U	G	LPW	Lumens	В	ΙU	G	LPW	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW
	, ,		T2S	1,415	0	0	1	101	1,520	0	0	1	109	1,529	0	0	1	109	894	0	0	1	64
			T2M	1,349	0	0	1	96	1,449	0	0	1	103	1,458	0	0	1	104	852	0	0	1	61
			T3S	1,400	0	0	1	100	1,503	0	0	1	107	1,512	0	0	1	108	884	0	0	1	63
			T3M	1,386	0	0	1	99	1,488	0	0	1	106	1,497	0	0	1	107	876	0	0	1	63
			T4M	1,358	0	0	1	97	1,458	0	0	1	104	1,467	0	0	1	105	858	0	0	1	61
			TFTM	1,411	0	0	1	101	1,515	0	0	1	108	1,525	0	0	1	109	892	0	0	1	64
	350mA	14W	T5M	1,486	1	0	0	106	1,595	1	0	0	114	1,605	1	0	0	115	939	1	0	0	67
			T5S	1,516	1	0	0	108	1,627	1	0	0	116	1,638	1	0	0	117	958	1	0	0	68
			T5A	1,425	1	0	1	102	1,531	1	0	1	109	1,540	1	0	1	110	901	1	0	1	64
			T5W	1,423	1	0	1	102	1,528	1	0	1	109	1,538	1	0	1	110	899	1	0	1	64
			ASYDF	1,262	0	0	1	90	1,355	1	0	1	97	1,363	1	0	1	97	797	0	0	1	57
			SYMDF	1,299	1	0	1	93	1,394	1	0	1	100	1,403	1	0	1	100	821	1	0	1	59
			T2S	2,054	1	0	1	103	2,205	1	0	1	110	2,219	0	0	1	111	1,264	0	0	1	63
			T2M	1,957	1	0	1	98	2,102	1	0	1	105	2,115	0	0	1	106	1,205	0	0	1	60
			T3S	2,031	0	0	1	102	2,181	0	0	1	109	2,195	0	0	1	110	1,250	0	0	1	63
			T3M	2,010	1	0	1	101	2,159	1	0	1	108	2,172	0	0	1	109	1,237	0	0	1	62
			T4M	1,970	1	0	1	98	2,115	1	0	1	106	2,128	0	0	1	106	1,212	0	0	1	61
			TFTM	2,047	0	0	1	102	2,198	0	0	1	110	2,212	0	0	1	111	1,260	0	0	1	63
	530mA	20W	T5M	2,156	1	0	0	108	2,315	2	0	0	116	2,329	1	0	0	116	1,326	1	0	0	66
			T5S	2,199	1	0	0	110	2,361	1	0	0	118	2,376	1	0	0	119	1,353	1	0	0	68
			T5A	2,068	2	0	1	103	2,221	2	0	1	111	2,235	1	0	1	112	1,272	1	0	1	64
			T5W	2,065	2	0	1	103	2,217	2	0	1	111	2,231	1	0	1	112	1,271	1	0	1	64
			ASYDF	1,830	1	0	1	92	1,966	1	0	1	98	1,978	0	0	1	99	1,127	0	0	1	56
10C			SYMDF	1,884	1	0	1	94	2,023	1	0	1	101	2,036	1	0	1	102	1,160	1	0	1	58
(40.LED.)		-	T2S	2,623	1	0	1	97	2,816	1	0	1	104	2,834	0	0	1	105	1,544	0	0	1	57
(10 LEDs)			T2M	2,499	1	0	1	93	2,684	1	0	1	99	2,701	0	0	1	100	1,472	0	0	1	55
			T3S	2,593	1	0	1	96	2,785	1	0	1	103	2,802	0	0	1	104	1,527	0	0	1	57
			T3M	2,567	1	0	1	95	2,757	1	0	1	102	2,774	0	0	1	103	1,512	0	0	1	56
			T4M	2,515	1	0	1	93	2,701	1	0	1	100	2,718	0	0	1	101	1,481	0	0	1	55
			TFTM	2,614	1	0	1	97	2,807	1	0	1	104	2,825	0	0	1	105	1,539	0	0	1	57
	700mA	27W	T5M	2,753	2	0	0	102	2,956	2	0	0	109	2,974	1	0	0	110	1,621	1	0	0	60
			T5S	2,808	1	0	0	104	3,015	1	0	0	112	3,034	1	0	0	112	1,654	1	0	0	61
			T5A	2,641	2	0	1	98	2,836	2	0	1	105	2,854	1	0	1	106	1,555	1	0	1	58
			T5W	2,637	2	0	1	98	2,831	2	0	1	105	2,849	1	0	1	106	1,553	1	0	1	58
			ASYDF	2,337	1	0	1	87	2,510	1	0	1	93	2,526	1	0	1	94	1,376	1	0	1	51
			SYMDF	2,406	1	0	1	89	2,584	1	0	1	96	2,600	1	0	1	96	1,417	1	0	1	52
			T2S	3,685	1	0	1	92	3,957	1	0	1	99	3,982	1	0	1	100	2,235	1	0	1	58
			T2M	3,512	1	0	1	88	3,771	1	0	1	94	3,795	1	0	1	95	2,130	1	0	2	55
			T3S	3,644	1	0	1	91	3,913	1	0	1	98	3,938	1	0	1	98	2,210	1	0	2	57
			T3M	3,607	1	0	1	90	3,874	1	0	1	97	3,898	1	0	1	97	2,187	1	0	2	56
			T4M	3,534	1	0	1	88	3,795	1	0	1	95	3,819	1	0	1	95	2,143	1	0	2	55
			TFTM	3,674	1	0	1	92	3,945	1	0	1	99	3,969	1	0	1	99	2,228	1	0	2	57
	1000mA	40W	T5M	3,868	2	0	1	97	4,153	2	0	1	104	4,179	3	0	1	104	2,345	3	0	1	60
			T5S	3,946	1	0	0	99	4,237	2	0	0	106	4,264	2	0	0	107	2,393	2	0	1	62
			T5A	3,711	2	0	1	93	3,985	2	0	1	100	4,010	3	0	1	100	2,250	3	0	2	58
			T5W	3,705	2	0	1	93	3,978	2	0	1	99	4,003	3	0	1	100	2,247	3	0	2	58
			ASYDF	3,284	1	0	1	82	3,527	1	0	1	88	3,549	1	0	1	89	1,991	1	0	2	51
			SYMDF	3,381	1	0	1	85	3,630	1	0	1	91	3,653	2	0	1	91	2,050	2	0	2	53
				3,50.	•		<u> </u>		3,030	· ·		· ·		5,055	_								



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	System	Dist.	30K (3000 K, 70 CRI)					40K	OK , 70 CRI)			50K (5000 K, 70 CRI)			AMBPC (Amber Phosphor Converted)							
LEDS	Current (mA)	Watts	Туре	Lumana	-	_		LDW	1		_	_	LDW	1	-	_		LDW			-		_
	(IIIA)		Tac	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW
	350mA		T2S T2M	2,820 2,688	1	0	1	118 112	3,028 2,886	1	0	1	126 120	3,047 2,904	1	0	1	127 121	1,777 1,693	1	0	1	74
			T3S	-	1	0	1	116	-	1	0	1	125	-	1	0	1	126	1,757	0	0	1	73
			T3M	2,789 2,761	1	0	1	115	2,995 2,964	1	0	1	123	3,013 2,983	1	0	1	124	1,737	1	0	1	72
			T4M	2,701	1	0	1	113	2,904	1	0	1	121	2,922	1	0	1	122	1,704	1	0	1	71
			TFTM	2,703	1	0	1	117	3,019	1	0	1	126	3,038	1	0	1	127	1,771	0	0	1	74
		24W	T5M	2,960	2	0	1	123	3,178	2	0	1	132	3,198	2	0	1	133	1,865	1	0	0	78
			TSS	3,020	1	0	0	126	3,242	1	0	0	135	3,263	1	0	0	136	1,903	1	0	0	79
			T5A	2,840	2	0	1	118	3,049	2	0	1	127	3,068	2	0	1	128	1,789	2	0	1	75
			T5W	2,835	2	0	1	118	3,044	2	0	1	127	3,063	2	0	1	128	1,786	2	0	1	74
			ASYDF	2,513	1	0	1	105	2,699	1	0	1	112	2,716	1	0	1	113	1,584	1	0	1	66
			SYMDF	2,587	1	0	1	108	2,778	1	0	1	116	2,796	1	0	1	116	1,630	1	0	1	68
			T2S	4,079	1	0	1	113	4,380	1	0	1	122	4,408	1	0	1	122	2,504	1	0	1	70
			T2M	3,887	1	0	1	108	4,174	1	0	1	116	4,200	1	0	1	117	2,387	1	0	1	66
			T3S	4,034	1	0	1	112	4,332	1	0	1	120	4,359	1	0	1	121	2,477	1	0	1	69
	530mA		T3M	3,993	1	0	1	111	4,288	1	0	1	119	4,315	1	0	1	120	2,451	1	0	2	68
		36W	T4M	3,912	1	0	2	109	4,201	1	0	2	117	4,227	1	0	1	117	2,402	1	0	1	67
			TFTM	4,066	1	0	1	113	4,367	1	0	1	121	4,394	1	0	1	122	2,496	1	0	1	69
			T5M	4,281	3	0	1	119	4,597	3	0	1	128	4,626	3	0	1	129	2,629	3	0	1	73
			T5S	4,368	2	0	1	121	4,690	2	0	1	130	4,719	2	0	1	131	2,682	2	0	1	75
			T5A	4,108	3	0	2	114	4,411	3	0	2	123	4,438	3	0	2	123	2,522	3	0	2	70
			T5W	4,101	3	0	2	114	4,403	3	0	2	122	4,431	3	0	2	123	2,518	3	0	2	70
206			ASYDF	3,635	1	0	2	101	3,904	1	0	2	108	3,928	1	0	2	109	2,232	1	0	1	62
20C			SYMDF	3,742	2	0	2	104	4,018	2	0	2	112	4,044	2	0	2	112	2,297	2	0	2	64
(20 LEDs)	700mA	47W	T2S	5,188	1	0	1	110	5,571	1	0	1	119	5,606	1	0	1	119	3,065	1	0	1	65
(ZU LLUS)			T2M	4,945	1	0	1	105	5,310	1	0	1	113	5,343	1	0	1	114	2,921	1	0	1	62
			T3S	5,131	1	0	1	109	5,510	1	0	2	117	5,544	1	0	2	118	3,031	1	0	1	64
			T3M	5,079	1	0	2	108	5,454	1	0	2	116	5,488	1	0	2	117	3,000	1	0	1	64
			T4M	4,976	1	0	2	106	5,343	1	0	2	114	5,377	1	0	2	114	2,939	1	0	1	63
			TFTM	5,172	1	0	2	110	5,554	1	0	2	118	5,589	1	0	2	119	3,055	1	0	1	65
			T5M	5,446	3	0	1	116	5,848	3	0	1	124	5,884	3	0	1	125	3,217	3	0	1	68
			T5S	5,555	2	0	1	118	5,966	2	0	1	127	6,003	2	0	1	128	3,282	2	0	1	70
			T5A	5,225	3	0	2	111	5,610	3	0	2	119	5,645	3	0	2	120	3,086	3	0	2	66
			T5W	5,216	3	0	2	111	5,601	3	0	2	119	5,636	3	0	2	120	3,081	3	0	2	66
			ASYDF	4,624	1	0	2	98	4,966	1	0	2	106	4,997	1	0	2	106	2,732	1	0	1	58
			SYMDF	4,760	2	0	2	101	5,111	2	0	2	109	5,143	2	0	2	109	2,812	2	0	2	60
			T2S	7,205	1	0	1	97	7,736	1	0	1	105	7,785	1	0	1	105	4,429	1	0	1	61
			T2M	6,866	1	0	2	93	7,373	1	0	2	100	7,419	1	0	2	100	4,221	1	0	2	58
		74W	T3S	7,124	1	0	2	96	7,650	1	0	2	103	7,698	1	0	2	104	4,380	1	0	2	60
			T3M	7,052	1	0	2	95	7,573	1	0	2	102	7,620	1	0	2	103	4,335	1	0	2	59
			T4M	6,909	1	0	2	93	7,420	1	0	2	100	7,466	1	0	2	101	4,248	1	0	2	58
	1000mA		TFTM	7,182	1	0	2	97	7,712	1	0	2	104	7,760	1	0	2	105	4,415	1	0	2	60
			T5M	7,562	3	0	1	102	8,120	3	0	1	110	8,171	3	0	1	110	4,648	3	0	1	63
			T5S	7,714	2	0	1	104	8,284	2	0	1	112	8,335	2	0	1	113	4,742	2	0	1	64
			T5A	7,255	3	0	2	98	7,790	3	0	2	105	7,839	3	0	2	106	4,460	3	0	2	62
			T5W	7,243	3	0	2	98	7,777	3	0	2	105	7,826	3	0	2	106	4,452	3	0	2	61
			ASYDF	6,421	1	0	2	87	6,895	2	0	2	93	6,938	1	0	2	94	3,947	1	0	2	54
			SYMDF	6,609	2	0	2	89	7,097	2	0	2	96	7,142	2	0	2	97	4,063	2	0	2	55



Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures

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	0.98			

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXWPM LED 20C 1000** 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	0.95	0.93	0.88

Electrical Load

					Curre	nt (A)		
LEDs	Drive Current (mA)	System Watts	120	208	240	277	347	480
	350	14 W	0.13	0.07	0.06	0.06	-	-
10C	530	20 W	0.19	0.11	0.09	0.08	-	-
100	700	27 W	0.25	0.14	0.13	0.11	-	-
	1000	40 W	0.37	0.21	0.19	0.16	-	-
	350	24 W	0.23	0.13	0.12	0.10	-	-
20C	530	36 W	0.33	0.19	0.17	0.14	-	-
200	700	47 W	0.44	0.25	0.22	0.19	0.15	0.11
	1000	74 W	0.69	0.40	0.35	0.30	0.23	0.17

Photometric Diagrams

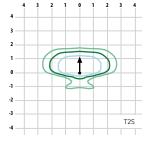
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Wall Pole Mount homepage.

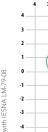
Isofootcandle plots for the DSXWPM LED 20C 1000 40K. Distances are in units of mounting height (20').

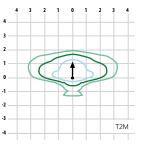


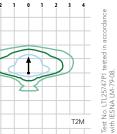


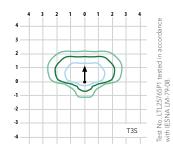


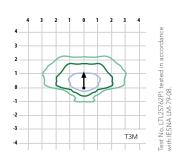


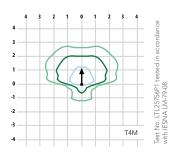


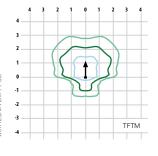


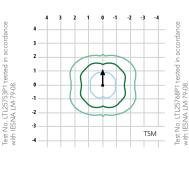


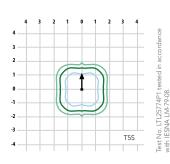


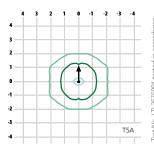


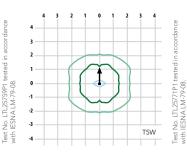


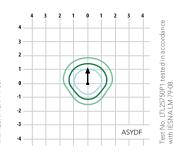


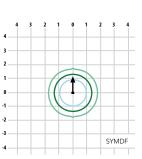












Options and Accessories



Mounting detail



ASYDF - Asymmetric diffuse (left engine is T3M, right engine is diffused)



HS - House-side shields



BSW - Bird-deterrent spikes



WG - Wire guard



VG - Vandal guard



DDL - Diffused drop lens

FEATURES & SPECIFICATIONS

INTENDED USE

The energy savings, long life and easy-to-install design of the D-Series Pole Mount make it the smart choice for area and site illumination for nearly any facility.

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. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

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 textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to area lighting applications. Light engines are available in 3000K, 4000K or 5000K with 70 min. CRI configurations.

ELECTRICAI

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L88/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and a minimum 6KV surge rating. The luminaire meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION

Includes universal mounting plate, which utilizes existing drill patterns and allows for quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles.

LISTINGS

CSA certified to U.S. and Canadian standards. 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 to confirm which versions are qualified.

BUY AMERICAN

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

WARRANTY

 $\label{lem:complete_complete} Five-year limited warranty. Complete warranty terms located at: \\ www.acuitybrands.com/support/customer-support/terms-and-conditions$

 $\ensuremath{\textbf{Note:}}$ 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 $^{\circ}\text{C}.$

Specifications subject to change without notice.



SPECIFICATION SHEET















TYPE D-UNDER-CANOPY Item# **DECORATIVE** Project



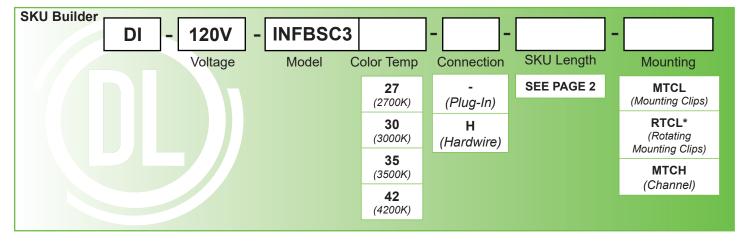
		INFINILINE®			
Voltage/Wattage		120VAC / 3.7W/ft.			
	2700K	289 Lm/ft.			
Lumens ¹	3000K	300 Lm/ft.			
Lumens	3500K	308 Lm/ft.			
	4200K	351 Lm/ft.			
Max. F	Run²	164 feet			
Custom Produced		See Page 2			
LED Chips		21/foot			
CRI		90+			
Field Cuttable		No			
Dimens	sions	0.63 x 0.31 in. (W x H)			
Enviror	ment	Outdoor / Wet Location / IP65			
Certification		UL Listed (US) , ETL Listed (Canada)			
Dimmable		Yes (Hardwire only), down to 10% using Lutron DVELV-300P, NTELV-300, or NTF-10 Dimmers			
Warranty		5-Year Standard, 2-Year Deep Cold³			

SPECIFICATIONS

- · LED Chip Type: 2835
- LED Chip Beam Angle: 120°
- Luminous Efficacy⁴ (lm/w): ~80-90
- Mounting: Mounting Clips / Mounting Channel
- Connections⁵: 60 in. Plug-In, 15 ft. Hardwired
- Ambient Temp⁶: -43 ~ 122°F (-42 ~ 50°C) (Control system must be used to turn on lights when temperature drops below -5°F3)
- Environment8: Outdoor / Wet location / Indoor / Deep Cold3
- UV Resistance: Yes but may still degrade over time
- · Jacket Material: PVC, UL94 5VA Rated

COMPLIANCE & REGULATORY APPROVALS

- UL Listed 2388 Flexible Lighting Products. File # E470197
- UL Listed 1598 Surface Mount Luminaires. File # E503268
- ETL Certified, Canada UL stnd. 1598 Surface Mount Luminaires (Hardwired only)



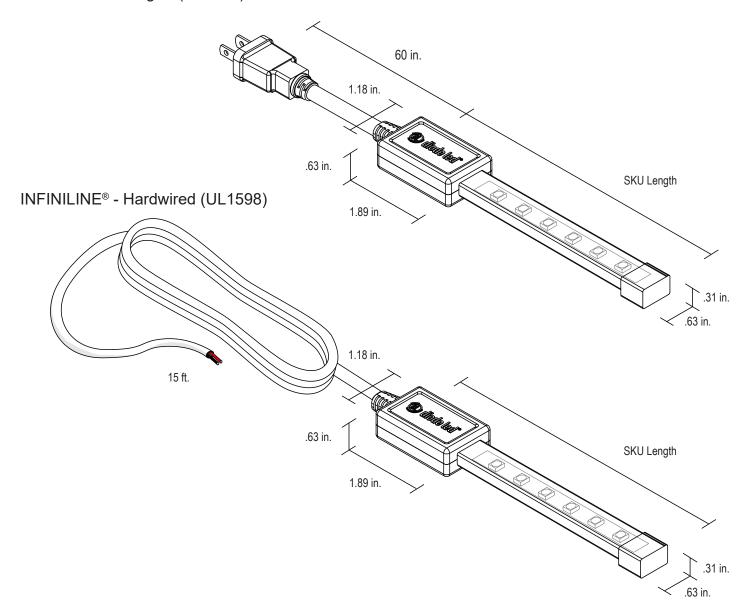
Example: DI-120V-INFBSC335-H-240= Diode, 120 Volt, INFINILINE®, 4200K CCT, Hardwire lead, 20 feet custom cut.

*Rotating Mounting Clips must be used with Hardwire installations to retain UL Listing.

SPECIFICATION SHEET

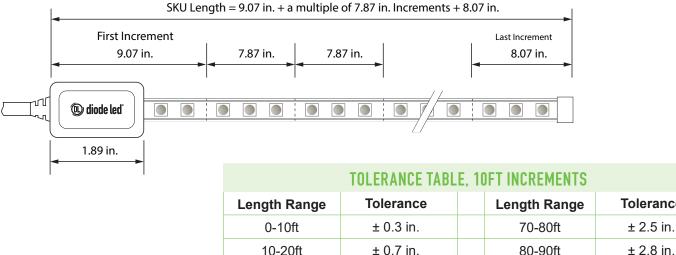
MECHANICAL DIAGRAMS (CONT.)

INFINILINE® - Plug-In (UL2388)



SPECIFICATION SHEET

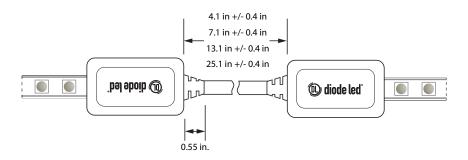
SYSTEM DIAGRAM

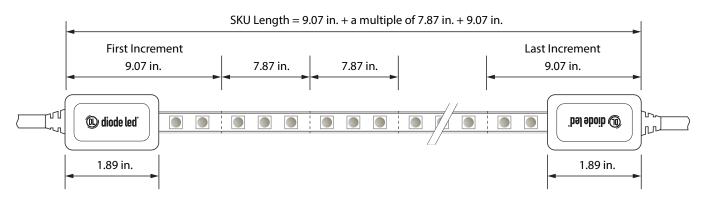


Length Range	Tolerance	Length Range	Tolerance
0-10ft	± 0.3 in.	70-80ft	± 2.5 in.
10-20ft	± 0.7 in.	80-90ft	± 2.8 in.
20-30ft	± 1.0 in.	90-100ft	± 3.1 in.
30-40ft	± 1.3 in.	100-110ft	± 3.4 in.
40-50ft	± 1.6 in.	110-120ft	± 3.7 in.
50-60ft	± 2.0 in.	120-130ft	± 4.0 in.
60-70ft	± 2.2 in.	>130ft	± 4.0 in.
30-40ft 40-50ft 50-60ft	± 1.3 in. ± 1.6 in. ± 2.0 in.	100-110ft 110-120ft 120-130ft	± 3.4 in. ± 3.7 in. ± 4.0 in.

CUSTOMIZATION OPTIONS

Up to three jumpers may be built into the length of each Infiniline® 120V LED Tape Light. (Call for more information)





SPECIFICATION SHEET

ADDITIONAL ACCESSORIES

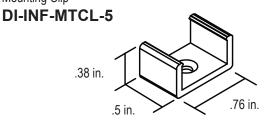
Accessories listed below fully support our Tape Light product line. Further information on these products and more accessories can be found in our latest catalog or online at www.DiodeLED.com.

Visit the product page at www.DiodeLED.com for installation guides, .IES files, voltage drop charts, and LM-79 reports.

SKU	DESCRIPTION				
DI-INF-MTCL-5	MOUNTING CLIP (5 PACK) Small clip used to secure INFINILINE LED Strip Light. Includes 5 clips and 8 screws. (Sold Separately)				
DI-INF-RTCL-2	MOUNTING CLIP (2 PACK) Small clip used to secure INFINILINE® LED Strip Light for post-installation adjustability. Includes 2 clips and 2 screws. (Must be utilized with mounting channel). (Sold Separately)				
DI-INF-MTCH	MOUNTING CHANNEL Cuttable channel used to secure INFINILINE® LED Strip Light. (Sold Separately)				

MECHANICAL DIAGRAMS

INFINILINE® Mounting Clip

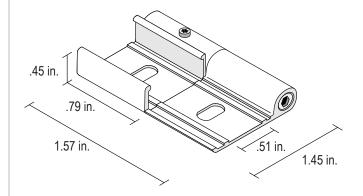


INFINILINE®

Rotating Mounting Clip

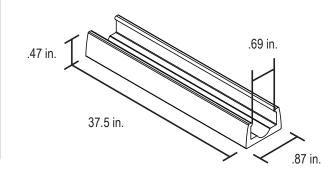
(Included with Hardwired Infiniline orders) (Must be utilized with mounting channel)

DI-INF-RTCL-2



INFINILINE® Mounting Channel

DI-INF-MTCH



- 1. LED chips have a luminous flux range with a tolerance of +/- 5%.
- 2. Each maximum run requires a dedicated power feed. Do not extend beyond the recommended maximum run length.
- 3. Deep Cold applications are warrantied for 2 years. Out of warranty condition is a greater than 25% loss of light output from initial installation.
- 4. Actual efficacy value is dependent on specified LED driver (power supply). An estimated efficacy value can be calculated as follows: Lumen value divided by average power consumption per foot.
- 5. Wire leads and accessories are not rated for in-wall installation unless otherwise noted.
- 6. Do not install product in an environment outside the listed ambient temperature. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lamp life, lumen output, and/or adversely impact color consistency.
- 7. Operating temperature is measured according to the minimum and maximum ambient temperature environment.
- 8. Do not install in environment where LED chips are exposed to direct sunlight as damage to the phosphor will occur.

ADDITIONAL INFORMATION

INFINILINE® 120V LED STRIP LIGHT Installation Guide

SAFETY / WARNINGS / DISCLOSURES

- Install in accordance with national and local electrical code regulations.
- 2. This product is intended to be installed and serviced by a qualified, licensed electrician.
- Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.
- Each maximum run requires a dedicated power feed. Do not extend beyond the recommended maximum run length.
- 5. Tape light, and attached wire leads, are not rated for inwall installation unless otherwise noted.
- 6. Ensure applicable wire is installed between driver, fixture, and any controls in-between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires, and cause fire.
- Do not install in environment where LED chips are exposed to direct sunlight as damage to the phosphor will occur.
- 8. Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings
- 9. Do not install indoor LED tape light products in outdoor / wet location environments. Only wet location tape light models are rated for outdoor / wet locations.
- Do not modify product beyond instructions or warranty will be void.
- 11. Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
- Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
- 13. We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

SPECIFICATION SHEET

WARRANTY

Limited Warranty

This product has a five (5) year limited warranty from the date of shipment.

Applications below -5°F (Deep Cold): This product has a two (2) year limited warranty from the date of shipment.

This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available at www.diodeled.com/limited-warranty/ within the Policies section. For warranty related questions please contact product support.

Consumer's Acknowledgment

Elemental LED, Inc. stands behind its products when they are used properly and according to our specifications. By purchasing our products, the purchaser agrees and acknowledges that lighting design, configuration and installation is a complex process, wherein seemingly minor factors or changes in layout and infield adjustments can have a significant impact on an entire system. Choosing the correct components is essential. Elemental LED is able to work with the original purchaser to make an appropriate product selection to the extent of the limited information that the customer can provide, but it is virtually impossible for Elemental LED to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues. Any statement from a Elemental LED employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgment that the products purchased are designed and configured correctly. The purchase agrees and acknowledges that it is the customer's responsibility to adhere strictly to all information contained in the Product Specification Sheets.

There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. Elemental LED strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Elemental LED products. The specifications include important information that a designer and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation environment, customer goals, and Elemental LED product specifications can make the requisite decisions appropriate for a successful finished lighting application.

