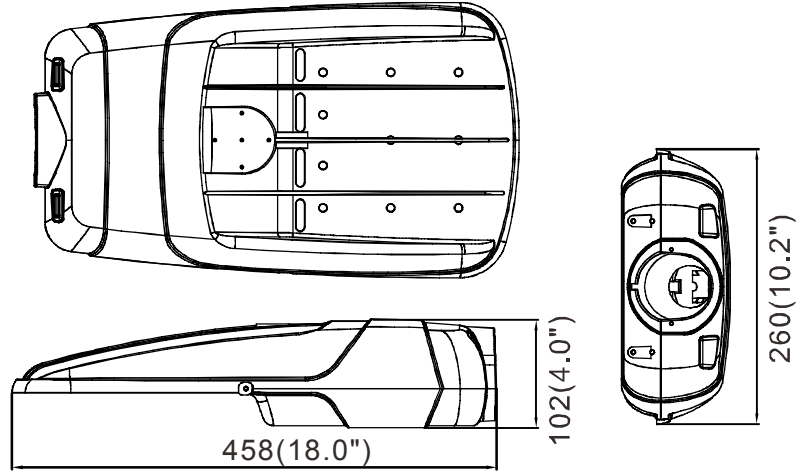




L400D Series LED Area Luminaire No standard driver needed



Introduction

The L400 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. The L400 Series is the better alternative for traditional street and area lighting with quick payback and improved performance.

Applications: Roadway, parking lots, walkways and general area spaces.

EPA: 0.05m²
(0.5 ft²)
Weight: 2.8 kgs
(6.2 lbs)

ORDERING INFORMATION

EXAMPLE: L401D-16C-50W-30K-T2-BR-NPCR

Model	Input	No. of LEDs	Power	Color	Distribution	FINISH	Options
L401	D: 120-277VAC with driver on board	16C 16LEDS	25W	30K 3000K	T2 TYPE 2	BR Bronze	NPCR No photocontrol
L402			50W	40K 4000K	T3 TYPE 3	WH White	PCR3 ANSI 3-wire Photocontrol Receptacle
L403		32C 32LEDS	75W	45K 4500K	T5 TYPE 5	BL Black	PCR5 ANSI 5-wire Photocontrol Receptacle
L404			100W	50K 5000K		GR Gray	PCR7 ANSI 7-wire Photocontrol Receptacle

Notes

- Requires Less Photocontrol Receptacle, ANSI 3-wire Photocontrol Receptacle, ANSI 5-wire Photocontrol Receptacle or ANSI 7-wire Photocontrol Receptacle option.
- Photocontrol (PE) requires 100-277 voltage or short cap option.
- Small Mounting-Mounts to 1.66"(42mm) O.D. horizontal tenon.
- Large Mounting-Mounts to 2.38"(60mm) O.D. horizontal tenon.
- Also available as a separate accessory; see Accessories information or Consulting our company.
- See the electrical section on page 2 for more details.
- Minimum 10KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C Low (per ANSI/IEEE C62.41.2).
- Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000K (70 min. CRI) or 5700K (70 min. CRI) configurations.
- Features an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Gray, silver, black, bronze, platinum bronze, white and so on are available.
- Power Distribution Terminal Block Board can be used the wire of 6-16 AWG.

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L400 Series 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 enduser environment and application. Actual wattage may differ by +/- 10% when operating between 120-277V +/- 10%. Contact factory for performance data on any configurations not shown here.

MODEL	LEDS	LED CURRENT	RATED WATTS	DIST TYPE	30K(3000K,70CRT)					40K(4000K,70CRT)					50K(5000K,70CRT)					57K(5700K,70CRT)				
					LUMENS	B	U	G	LPW	LUMENS	B	U	G	LPW	LUMENS	B	U	G	LPW	LUMENS	B	U	G	LPW
L401	16	75mA	25W	T2	3000	1	0	1	120	3200	1	0	1	128	3200	1	0	1	128	3200	1	0	1	128
				T3	3000	1	0	1	120	3200	1	0	1	128	3200	1	0	1	128	3200	1	0	1	128
				T5	3000	1	0	1	120	3200	1	0	1	128	3200	1	0	1	128	3200	1	0	1	128
L402		150mA	50W	T2	5700	1	0	1	114	6000	1	0	1	120	6000	2	0	2	120	6000	2	0	2	120
				T3	5700	1	0	1	114	6000	1	0	1	120	6000	2	0	2	120	6000	2	0	2	120
				T5	5700	1	0	1	114	6000	1	0	1	120	6000	2	0	2	120	6000	2	0	2	120
L403	32	115mA	75W	T2	8800	2	0	2	117	9200	2	0	2	123	9200	2	0	2	123	9200	2	0	2	123
				T3	8800	2	0	2	117	9200	2	0	2	123	9200	2	0	2	123	9200	2	0	2	123
				T5	8800	2	0	1	117	9200	2	0	1	123	9200	2	0	1	123	9200	2	0	1	123
L404		150mA	100W	T2	11500	2	0	2	115	12000	2	0	2	120	12000	2	0	2	120	12000	2	0	2	120
				T3	11500	2	0	2	115	12000	2	0	2	120	12000	2	0	2	120	12000	2	0	2	120
				T5	11500	2	0	1	115	12000	2	0	1	120	12000	2	0	1	120	12000	2	0	1	120

Electrical Data

MODEL	LEDS	LED CURRE	SYSTEM WATTS	Current		
				120	240	277
L401	16	75mA	25W	0.21	0.11	0.10
L402		150mA	50W	0.42	0.21	0.19
L403	32	115mA	75W	0.63	0.32	0.28
L404		150mA	100W	0.84	0.42	0.37

Lumen Ambient Temperature (LAT) Multipliers

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

Luminaire Lumen Maintenance Factors (LMF)

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	25000	50000	75000	100000
Lumen Maintenance Factor	L401 16 LED 75mA				
	100%	108%	108%	107%	106%
	L402 16 LED 150mA				
	100%	108%	106%	105%	104%
	L403 32 LED 115mA				
	100%	105%	101%	98%	93%
L404 32 LED 150mA					
	100%	98%	88%	79%	71%

CONSTRUCTION & MATERIALS

- Tool-less entry.
- Designed with 0-10V dimming capabilities. Controls by others.
- Die cast aluminum housing with two-bolt bracket mounts to (1.66" or 2.38")O.D. diameter mast arm. bracket available as an option.
- Leveling adjustment from $\pm 5^\circ$.

ELECTRICAL SYSTEM

- Input Voltage: 120/240V/277V 50/60Hz
- Power Factor : > 0.99 at full load
- Total Harmonic Distortion: < 15% at full load
- Integral 10kV surge suppression protection standar
- Luminaire is qualified to operate at ambient temperatures of -40°C to +50°C.

REGULATORY & VOLUNTARY QUALIFICATIONS

- Suitable for wet locations.
- Certified to ANSI C136.31-2001, 3G vibration standards.
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.
- Meets FCC Part 15 standards for conducted and radiated emissions.
- Luminaire and finish endurance tested to withstand 3,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117.
- Dark Sky Friendly, IDAApproved. Please refer to www.darksky.org for most current information.
- RoHS compliant. Consult factory for additional details.

WARRANTY

- Ten year limited warranty is standard on luminaire and components.