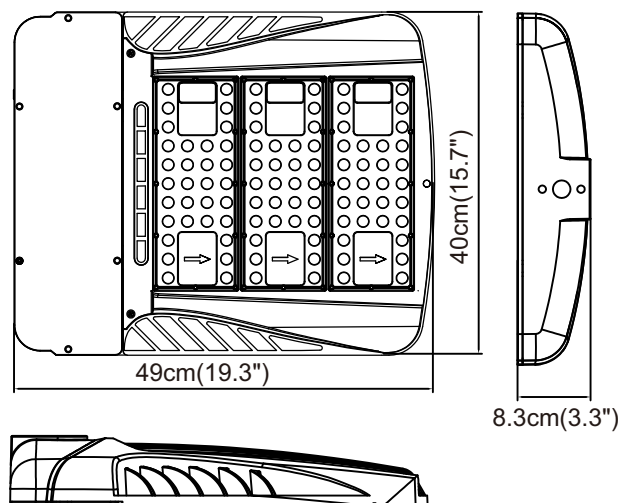




L500D Series LED Area Luminaire



Introduction

The L500D 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 L500 Series is the better alternative for traditional street and area lighting with quick payback and improved performance. It is ideal for replacing up to 1000W metal halide with typical energy savings of 65% and expected service life of over 100,000 hours.

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

Specifications

EPA:	0.04 m ² (0.43 ft ²)
Length:	49 cm (19.3")
Width:	40 cm (15.7")
Height:	8.3 cm (3.3")
Weight:	8 kgs (17.6 lbs) (max)

ORDERING INFORMATION

EXAMPLE: L507D-96C-300W-40K-T3-BR-SPM-NPCR-MS

Model	No. of LEDs	Power	Color	Distribution	FINISH	Mounting	Options
L507D	96C 96LEDS	300W	40K 4000K 50K 5000K 57K 5700K	T3 TYPE 3	BR Bronze WH White BL Black GR Gray	SPM Square pole mounting RPM Round pole mounting SFM Slipfitter mounting TNM Trunnion mounting	NPCR No photocontrol PCR3 ANSI 3-wire Photocontrol Receptacle PCR5 ANSI 5-wire Photocontrol Receptacle PCR7 ANSI 7-wire Photocontrol Receptacle MS Motion sensor

ELECTRICAL SYSTEM

- Input Voltage: 120/240/277VAC, 50/60Hz
- Power Factor: > 0.98 at full load
- Total Harmonic Distortion: < 15% at full load
- Designed with 0-10V dimming capabilities. Controls by others.
- Integral 10kV surge suppression protection standard.
- Luminaire is qualified to operate at ambient temperatures of -40°C to +50°C.

WARRANTY

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

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed.
- 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, IDA Approved. Please refer to www.darksky.org for most current information.
- RoHS compliant. Consult factory for additional details.
- 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.

L500D Series Performance Data

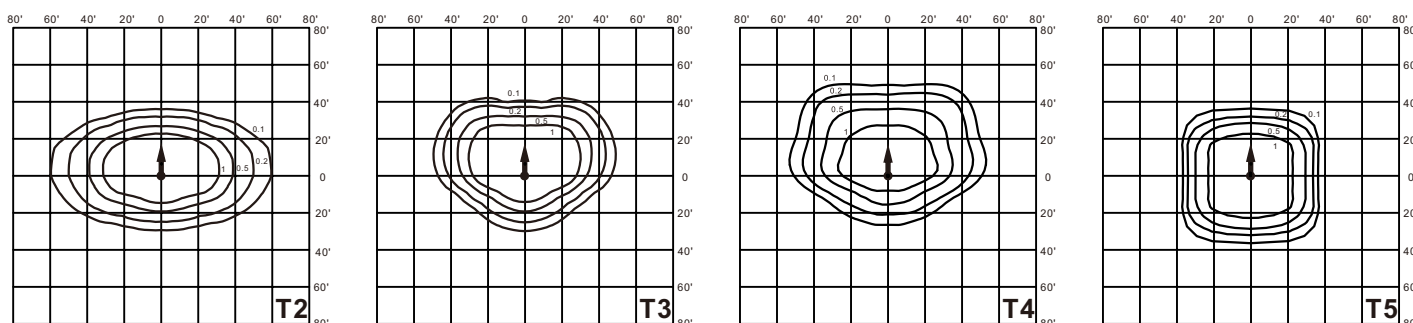
Lumen Output

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	40K(4000K,70CCT)					50K(5000K,70CCT)					57K(5700K,70CCT)				
					LUMENS	B	U	G	LPW	LUMENS	B	U	G	LPW	LUMENS	B	U	G	LPW
L507D	96	150mA	300W	T3	35000	3	0	3	117	35000	3	0	3	117	35000	3	0	3	117

Photometric Diagrams

To see complete photometric reports or download .ies files for this product
Isfootcandle plots for the L502D. Distances are in units of mounting height (15')



Electrical Data

MODEL	LEDS	LED CURRENT	SYSTEM WATTS	Current		
				120V	240V	277V
L507D	96	150mA	300W	2.5A	1.25A	1.09A

Luminaire Lumen Maintenance Factors (LMF)

Data references the extrapolated performance projections for the platforms noted in a25°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	L507D 96 LED 150mA				
	100%	95%	91%	87%	83%

Lumen Ambient Temperature (LAT) Multipliers

Ambient		Lumen Multiplier
0°C	32°F	
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

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.
- Also available as a separate accessory; see Accessories information or Consulting our company.
- Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 4000K (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.