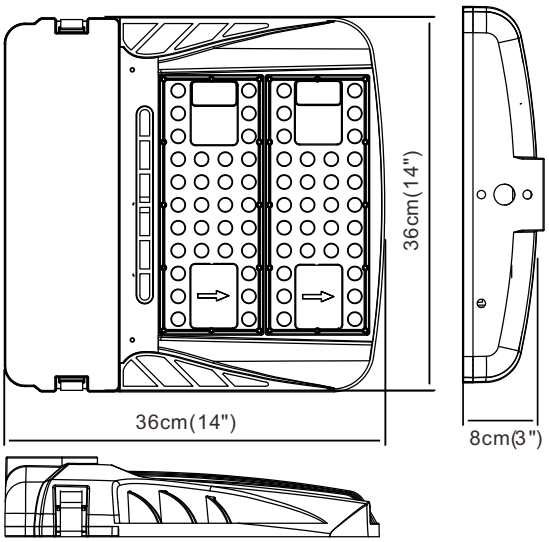
L500 Series
LED Area Luminaire



Introduction

The L500 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 250W metal halide with typical energy savings of 65% andexpected service life of over 100,000 hours.

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

Specifications

EPA: 0.03 m^2(0.32 ft^2)
Length: 36 cm(14")
Width: 36 cm (14")
Height: 8cm(3")
Weight : 4.6 kgs(10 lbs) (max)

ORDERING INFORMATION

EXAMPLE:L505D-64C-150W-40K-T2-BR-SPM-NPCR-MS

Model	No. of LEDS	Power	Color	Distribution	FINISH	Mounting	Options
L505D	64C 64LEDS	150W	30K 3000K	T2 TYPE 2	BR Bronze	SPM Square pole mounting	NPCR No photocontrol
			40K 4000K	T3 TYPE 3	WH White	RPM Round pole mounting	PCR3 ANSI 3-wire Photocontrol Receptacle
			45K 4500K	T4 TYPE 4	BL Black	SFM Slipfitter mounting	PCR5 ANSI 5-wire Photocontrol Receptacle
L506D		200W	50K 5000K	T5 TYPE 5	GR Gray	TNM Trunnion mounting	PCR7 ANSI 7-wire Photocontrol Receptacle
			57K 5700K				MS Motion sensor

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

- 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.

CONSTRUCTION & MATERIALS

- Tool-less entry.
- Designed with 0-10V dimming capabilities. Controls by others.

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.
- 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.

WARRANTY

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

L500 Series Performance Data

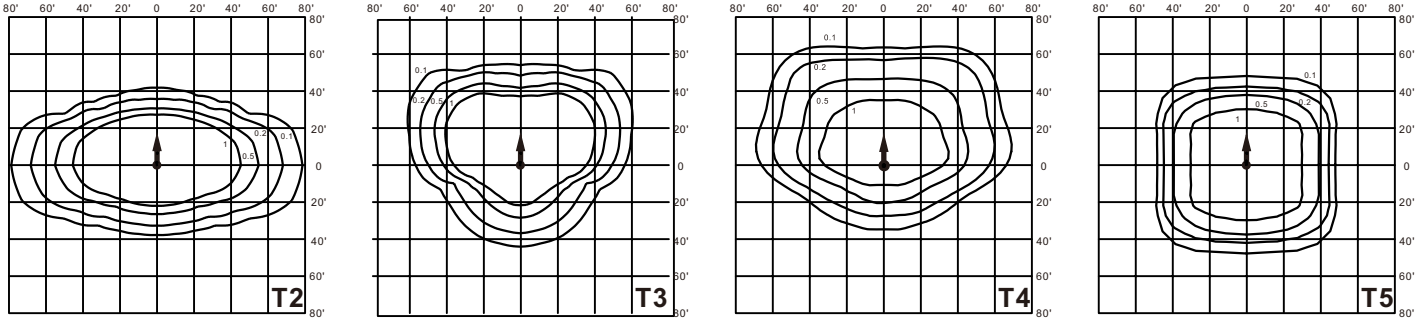
Lumen Output

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,70CRI)					40K(4000K,70CRI)					50K(5000K,70CRI)					57K(5700K,70CRI)				
					LUMENS	B	U	G	LPW	LUMENS	B	U	G	LPW	LUMENS	B	U	G	LPW	LUMENS	B	U	G	LPW
L505D	64	120mA	150W	T2	17286	3	0	3	115	18775	3	0	3	125	19040	3	0	3	127	19230	3	0	3	128
				T3	17470	2	0	2	116	18975	2	0	2	126	19243	2	0	2	128	19434	2	0	2	130
				T4	17862	2	0	2	119	19401	2	0	2	129	19675	2	0	2	131	19871	2	0	2	132
				T5	17821	4	0	2	119	19356	4	0	2	129	19629	4	0	2	131	19825	4	0	2	132
L506D		150mA	200W	T2	19957	4	0	4	100	21676	4	0	4	108	21982	4	0	4	110	22201	4	0	4	111
				T3	20170	3	0	3	101	21907	3	0	3	110	22216	3	0	3	111	22437	3	0	3	112
				T4	20623	3	0	3	103	22399	3	0	3	112	22715	3	0	3	114	22941	3	0	3	115
				T5	20575	4	0	2	103	22347	4	0	3	112	22663	4	0	3	113	22888	4	0	3	114

Photometric Diagrams

To see complete photometric reports or download .ies files for this product
Isfootcandle plots for the L505D.Distances are in units of mounting height (15')



Electrical Data

MODEL	LEDS	LED CURRENT	SYSTEM WATTS	Current		
				120V	240V	277V
L505	64	120mA	150W	1.26A	0.63A	0.55A
L506		150mA	200W	1.67A	0.84A	0.73A

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 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	L505 64 LED 120mA				
	100%	105%	101%	98%	93%
	L506 64 LED 150mA				
	100%	98%	88%	79%	71%