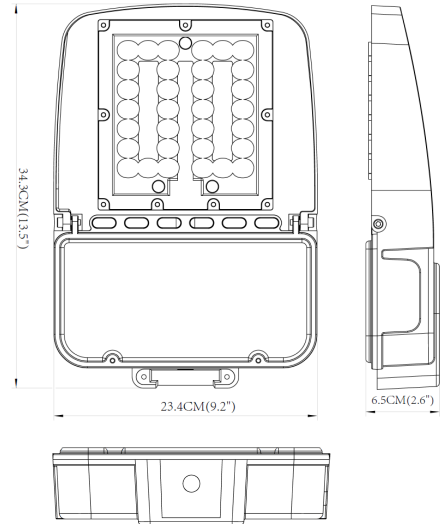


## L700 Series LED Area Luminaire



### Introduction

The L700 Series distills the benefits of the latest 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 L700 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: 0.023m<sup>2</sup>(0.25 ft<sup>2</sup>)  
Length: 34.3cm(13.5")  
Width: 23.4cm(9.2")  
Height: 6.5cm(2.6")  
Weight : 3.3kgs (7.3lbs)max

### ORDERING INFORMATION

EXAMPLE: L701D-16C-25W-40K-T3-BR-SFM-NPCR-MS

Model	No. of LEDs	Power	Color	Distribution	FINISH	Mounting	Options
L701D	16C 16LEDS	25W	30K 3000K	T3 TYPE 3	BR Bronze	SFM Slipfitter mounting TNM Trunnion mounting	NPCR No photocontrol
L702D		50W	40K 4000K		WH White		PCR3 ANSI 3-wire Photocontrol Receptacle
L703D	32C 32LEDS	75W	50K 5000K		BL Black	PCR5 ANSI 5-wire Photocontrol Receptacle	
L704D		100W	57K 5700K		GR Gray	PCR7 ANSI 7-wire Photocontrol Receptacle MS Motion sensor	

### ELECTRICAL SYSTEM

- Input Voltage: 120-277VAC, 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 standar.
- Luminaire is qualified to operate at ambient temperatures of -40°C to +50°C.
- 0(1)-10V Dimming Range: Continuous Dimming to 10% or below.

### WARRANTY

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

### 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 B117.
- Dark Sky Friendly, IDA Approved. Please refer to [www.darksky.org](http://www.darksky.org) for most current information.
- RoHS compliant. Consult factory for additional details.

# L700 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
L701D	16	75MA	25W	T3	3150	1	2	1	126	3150	1	2	1	126	3150	1	2	1	126	3150	1	2	1	126
L702D		150MA	50W	T3	6000	2	2	2	120	6000	2	2	2	120	6000	2	2	2	120	6000	2	2	2	120
L703D	32	120MA	75W	T3	9075	2	2	3	121	9075	2	2	3	121	9075	2	2	3	121	9075	2	2	3	121
L704D		150MA	100W	T3	11900	3	2	3	119	11900	3	2	3	119	11900	3	2	3	119	11900	3	2	3	119

## Electrical Data

MODEL	LEDS	LED CURRE	SYSTEM WATTS	Current		
				120	240	277
L701D	16	75mA	25W	0.21	0.11	0.10
L702D		150mA	50W	0.42	0.21	0.19
L703D	32	120mA	75W	0.63	0.32	0.28
L704D		150mA	100W	0.84	0.42	0.37

## 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	L701D 16 LED 75mA				
	100%	96%	92%	88%	84%
	L702D 16 LED 150mA				
	100%	96%	92%	88%	84%
	L703D 32 LED 120mA				
	100%	96%	92%	88%	84%
L704D 32 LED 150mA					
100%	95%	91%	87%	83%	

## 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

## 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.