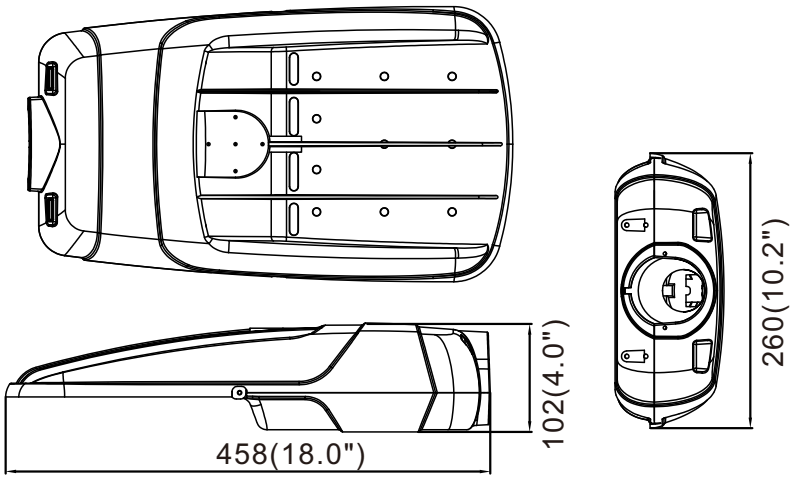
LED Street and area light
120VAC/240VAC/277VAC
Includes L401D/L402D/L403D/L404D

L400D Series
LED Area Luminaire



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Introduction

The L400D 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 L400D 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: 0.05m^2 (0.5 ft^2)
Weight: 2.8 kgs (6.2 lbs)

ORDERING INFORMATION

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

Model	No. of LEDS	Power	Color	Distribution	FINISH	Options
L401D	16C 16LEDS	25W	30K 3000K	T2 TYPE 2	BR Brown	NPCR No photocontrol
L402D		50W	40K 4000K	T3 TYPE 3	WH White	PCR3 ANSI 3-wire Photocontrol Receptacle
L403D	32C 32LEDS	75W	50K 5000K	T4 TYPE 4	BL Black	PCR5 ANSI 5-wire Photocontrol Receptacle
L404D		100W	57K 5700K	T5 TYPE 5	GR Gray	PCR7 ANSI 7-wire Photocontrol Receptacle

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.
- 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.
- Power Distribution Terminal Block Board can be used the wire of 6-16 AWG .
- Leveling adjustment from ± 5° .

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.

L400 Series Performance Data

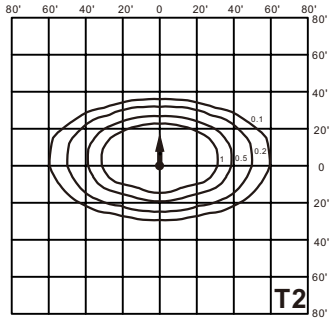
Lumen Output

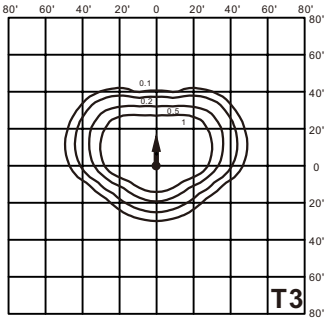
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of enduser environment and application. Actual wattage may differ by +/- 10% when operating between 120-277V +/- 10%. Contact factory for performance data on any configurations not shown here.

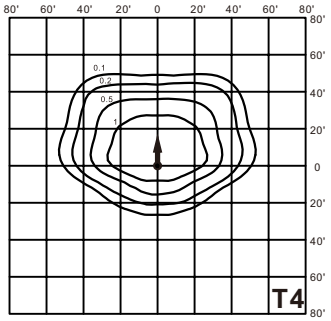
MODEL	LEDS	LED CURRENT	RATED WATTS	DIST TYPE	30K(3000K,70CRT)					40K(4000K,70CRT)					50K(5000K,70CRT)					57K(5700K,70CRT)				
					LUMENS	B	U	G	LPW	LUMENS	B	U	G	LPW	LUMENS	B	U	G	LPW	LUMENS	B	U	G	LPW
L401D	16	75mA	25W	T2	3193	1	0	1	128	3468	1	0	1	139	3517	1	0	1	141	3552	1	0	1	142
				T3	3229	1	0	1	129	3507	1	0	1	140	3556	1	0	1	142	3592	1	0	1	144
				T4	3089	1	0	1	124	3355	1	0	1	134	3402	1	0	1	136	3436	1	0	1	137
				T5	3279	2	0	1	131	3561	2	0	1	142	3611	2	0	1	144	3647	2	0	1	146
L402D		150mA	50W	T2	5648	2	0	2	113	6134	2	0	2	123	6220	2	0	2	124	6282	2	0	2	126
				T3	5712	1	0	1	114	6203	1	0	1	124	6290	1	0	1	126	6353	1	0	1	127
				T4	5464	2	0	2	109	5934	2	0	2	119	6017	2	0	2	120	6077	2	0	2	122
				T5	5799	3	0	1	116	6298	3	0	1	126	6386	3	0	1	128	6450	3	0	1	129
L403D	32	115mA	75W	T2	8951	2	0	2	119	9721	2	0	2	130	9857	2	0	2	131	9956	2	0	2	133
				T3	9052	2	0	2	121	9830	2	0	2	131	9968	2	0	2	133	10068	2	0	2	134
				T4	8659	2	0	2	115	9404	2	0	2	125	9535	2	0	2	127	9631	2	0	2	128
				T5	9190	3	0	1	123	9981	3	0	1	133	10121	3	0	1	135	10222	3	0	1	136
L404D		150mA	100W	T2	10450	3	0	3	105	11349	3	0	3	113	11508	3	0	3	115	11623	3	0	3	116
				T3	10568	2	0	2	106	11477	2	0	2	115	11638	2	0	2	116	11754	2	0	2	118
				T4	10109	2	0	2	101	10979	2	0	2	110	11132	2	0	2	111	11244	2	0	2	112
				T5	10729	3	0	1	107	11652	3	0	1	117	11816	3	0	1	118	11934	3	0	1	119

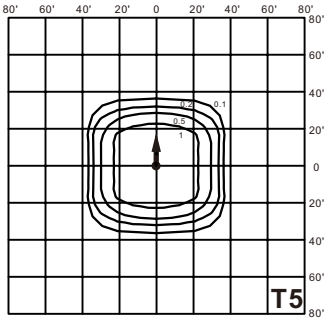
Photometric Diagrams

To see complete photometric reports or download .ies files for this product
Isfootcandle plots for the L402D.Distances are in units of mounting height (15')









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℃	32℉	1.02
10℃	50℉	1.01
20℃	68℉	1.00
25℃	77℉	1.00
30℃	86℉	1.00
40℃	104℉	0.99

Luminaire Lumen Maintenance Factors (LMF)

Data references the extrapolated performance projections for the platforms noted in a25°C ambient, based on 9,000 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	L401D 16 LED 75mA				
	100%	96%	92%	88%	84%
	L402D 16 LED 150mA				
	100%	96%	92%	88%	84%
	L403D 32 LED 120mA				
	100%	95%	91%	86%	82%
	L404D 32 LED 150mA				
	100%	95%	91%	86%	82%