

Arm Mount



PROJECT:

TYPE:

Features

The Coach Style Lantern - Arm Mount (CSL-A) luminaire is a classically styled, cast aluminum, four sided, lantern that offers a choice of several optical systems. Optional controls available.



Product Overview

Wattage:	24W, 44W, 60W, 79W
Lumen Output:	9630 lm (79W, T5, 4000K)
Color Temp:	3000K, 4000K
Dimming:	0-10V dimming
Luminaire Weight:	≈16 lbs (7.2 kg)
Shipping Weight:	≈23 lbs (9.9 kg)
EPA:	1.31 (2.48 with optional lens)

Certifications



5 year limited warranty
AMERLUX LED



Certain Restrictions Apply for DarkSky International

Fixture Summary

Construction:

Die-cast aluminum housing ensures rigidity and longevity in application. The rooftop casting is hinged to the cage and utilizes tool-less hardware for ease of installation and maintenance.

Optical Module:

The luminaire utilizes up to four IP66 sealed optical modules consisting of a high performance LED board with an acrylic (*TIR*) lens to deliver maximum spacing and uniformity. A choice of Type 2 (*T2*), Type 3 (*T3*), Type 4 (*T4*), or Type 5 (*T5*), IES distributions are available with the scalability to meet application criteria. Custom configurations available.

Electrical:

- 12 LEDs per module
- LED board drive current 530mA (*custom drive currents available*)
- Universal input voltage 120-277VAC (50/60Hz)
- Operational Temp: -40°C/40°C
- Power consumption up to 79W
- Series wired 20kV/10kA surge protector (*per ANSI C82.77-5-2015*)
- 0-10V dimming is standard
- 347V/480V option available
- DLC listed

Light Distribution:

- Type II
- Type III
- Type IV
- Type V

CCT:

- 3000K
- 4000K

Photo Control:

A 7-pin twistlock photocell receptacle with a shorting cap is standard.

- 3-pin twistlock photocell is an accessory and must be specified.

Mounting:

Slip fits Ø3" tenon

Finish:

Durable thermoset polyester powdercoat finish in the following:

- Textured Black
- Classic Bronze
- Gloss Textured Bronze
- Gloss Textured Black
- Satin Black

Optional Lens:

- Textured Acrylic

Accessories:

- Bird Guard
- Backlight Shield (*available for T2, T3 & T4 distributions*)
- Twistlock Photocell



Delta Intelligent Building Technologies

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Amerlux reserves the right to change details that do not affect overall function and performance.
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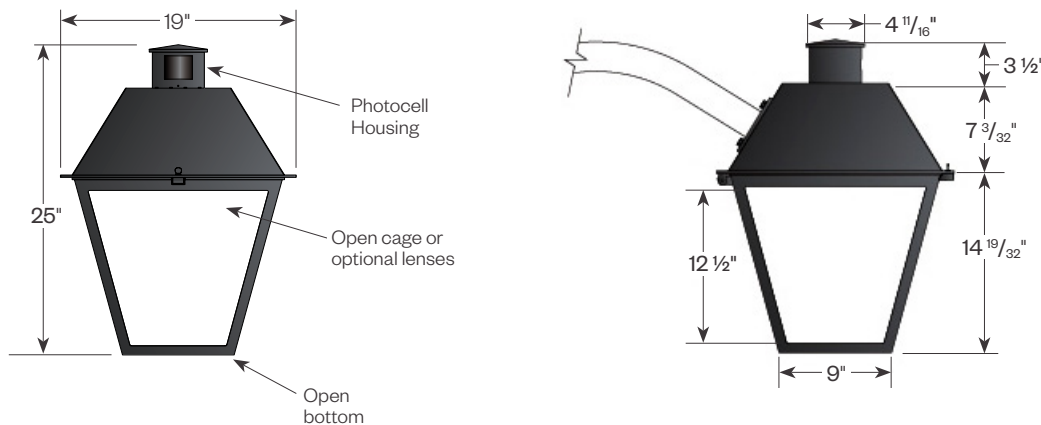
TYPE:

Ordering Information

CSL-A							
1	2	3	4	5	6		
1	Model	2	LED Module	3	CCT	4	Light Distribution
	CSL-A		1M 1 module 2M 2 modules 3M 3 modules 4M 4 modules		30* 3000K 40 4000K		T2 Type II T3 Type III T4 Type IV T5 Type V
5	Finish	6				Accessories	
	TBK textured black CLB classic bronze GBZ gloss textured bronze GTB gloss textured black BLK satin black					347V/480V 347/480 voltage TA* textured acrylic lens BG bird guard BLS backlight shield (available for T2, T3 & T4 distributions only) TW-PCL twistlock photocell	

* To meet DarkSky International Fixture Seal of Approval 3000K CCT must be chosen, and no Textured Acrylic (TA) option used.

Product Details



Power

LED Modules	1M	2M	3M	4M
Power	24W	44W	60W	79W
Amperage Draw @ 120V (A)	0.2	0.36	0.50	0.65
Amperage Draw @ 277V (A)	0.08	0.15	0.21	0.28

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Performance Data

Driver Output	System Watts	Light Distribution	CCT	Lumens*	Bug Rating	Lumens with TA Lens
1M	24W	T2	3,000K	2,275	1-0-1	2,116
			4,000K	2,460	1-0-1	2,288
		T3	3,000K	2,295	1-0-1	2,135
			4,000K	2,481	1-0-1	2,307
		T4	3,000K	2,220	1-0-1	2,065
			4,000K	2,400	1-0-1	2,232
		T5	3,000K	2,318	1-0-0	2,156
			4,000K	2,507	1-0-0	2,332
		T2	3,000K	4,443	1-0-1	4,132
			4,000K	4,804	1-0-1	4,468
2M	44W	T3	3,000K	4,485	1-0-1	4,171
			4,000K	4,849	1-0-1	4,510
		T4	3,000K	4,339	1-0-1	4,035
			4,000K	4,690	1-0-2	4,362
		T5	3,000K	4,531	2-0-1	4,214
			4,000K	4,899	2-0-1	4,556
		T2	3,000K	6,647	1-0-1	6,182
			4,000K	7,186	2-0-2	6,683
		T3	3,000K	6,702	2-0-2	6,233
			4,000K	7,246	2-0-2	6,739
3M	60W	T4	3,000K	6,490	1-0-2	6,036
			4,000K	7,017	1-0-2	6,526
		T5	3,000K	6,778	3-0-1	6,304
			4,000K	7,328	3-0-1	6,815
		T2	3,000K	8,735	2-0-2	8,124
			4,000K	9,443	2-0-2	8,782
		T3	3,000K	8,803	2-0-2	8,187
			4,000K	9,518	2-0-2	8,852
		T4	3,000K	8,528	2-0-2	7,931
			4,000K	9,220	2-0-2	8,575
4M	79W	T5	3,000K	8,907	3-0-1	8,284
			4,000K	9,630	3-0-1	8,956

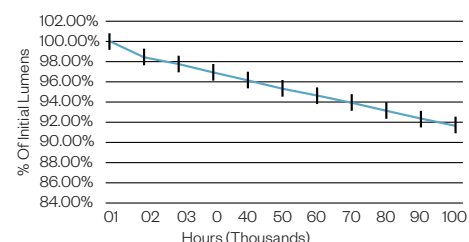
* Approximate lumens delivered from raw light engine.

Lumen Maintenance

Ambient Temp	50,000 Hours*	70,000 Hours*	90,000 Hours*	100,000 Hours*	Theoretical L70 Hours
25°C	>95.4%	>93.9%	>92.4%	>91.6%	>200,000

* Per IESNA TM-21 data.

Lumen maintenance values apply to all output levels and distributions.



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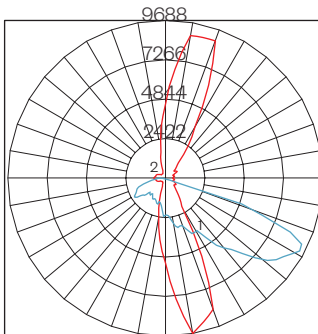


PROJECT:

TYPE:

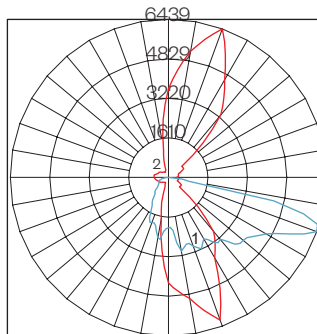
Performance Data (continued)

CSL-P-4M-T2-4K



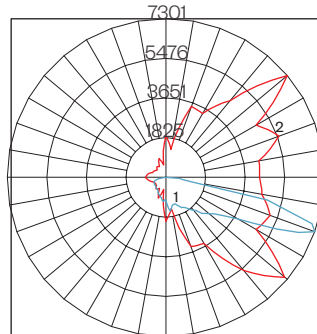
Maximum Candela = 9688
Located At Horizontal Angle = 280; Vertical Angle = 62.5
#1 - Vertical Plane Through Horizontal Angles (280-100)*
#2 - Horizontal Cone Through Vertical Angle (62.5)*
* Through Max. Cd.

CSL-P-4M-T3-4K



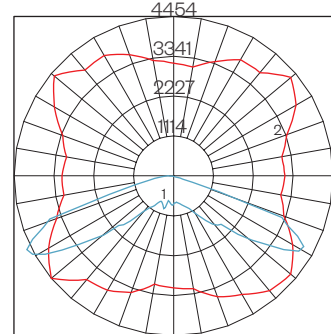
Maximum Candela = 6439
Located At Horizontal Angle = 70; Vertical Angle = 70
#1 - Vertical Plane Through Horizontal Angles (70-250)*
#2 - Horizontal Cone Through Vertical Angle (70)*
* Through Max. Cd.

CSL-P-4M-T4-4K



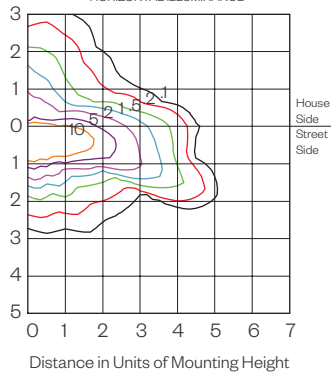
Maximum Candela = 7301
Located At Horizontal Angle = 40; Vertical Angle = 70
#1 - Vertical Plane Through Horizontal Angles (40-220)*
#2 - Horizontal Cone Through Vertical Angle (70)*
* Through Max. Cd.

CSL-P-4M-T5-4K

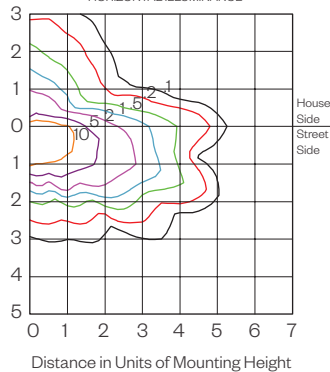


Maximum Candela = 4454
Located At Horizontal Angle = 220; Vertical Angle = 62.5
#1 - Vertical Plane Through Horizontal Angles (220-40)*
#2 - Horizontal Cone Through Vertical Angle (62.5)*
* Through Max. Cd.

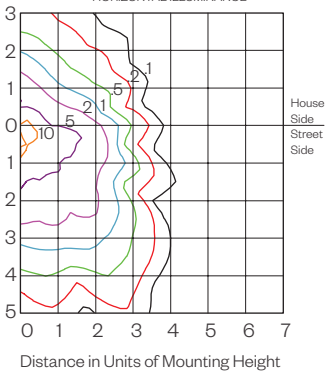
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



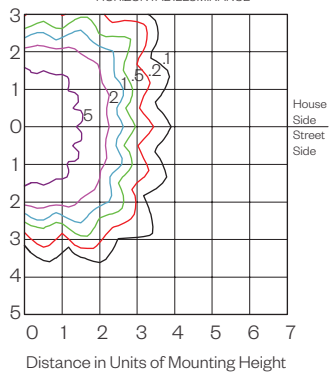
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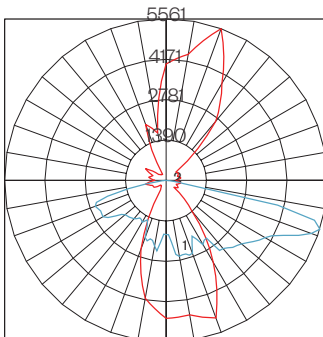
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Customizable Performance

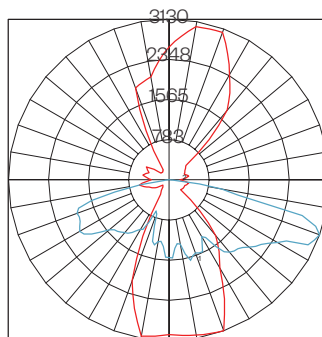
Photometry can be modified using different drive currents and a combination of lenses. Consult factory. See examples below.

CSL-P-4M-T3ST2H-4K-580M



Maximum Candela = 5561
Located At Horizontal Angle = 70; Vertical Angle = 72.5
#1 - Vertical Plane Through Horizontal Angles (70-250)*
#2 - Horizontal Cone Through Vertical Angle (72.5)*
* Through Max. Cd.

CSL-P-4M-T3ST2H-4K-470M



Maximum Candela = 3130
Located At Horizontal Angle = 290; Vertical Angle = 70
#1 - Vertical Plane Through Horizontal Angles (290-110)*
#2 - Horizontal Cone Through Vertical Angle (70)*
* Through Max. Cd.

Backlight Shield

Shield can be easily installed in the field when required.



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Standard and Optional Lens Offering



An open cage with no lens is standard.



A textured acrylic lens is optional. Specify (TA) when ordering. Not approved for IDA Dark Sky.



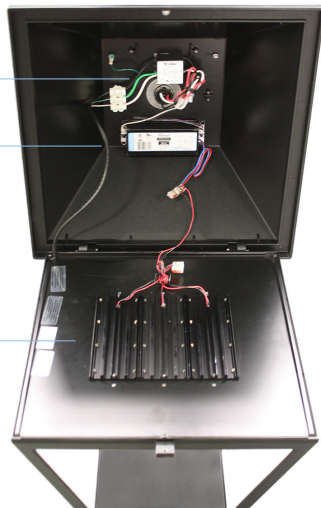
Maintenance Access

Although not required for installation, all components are easily accessed below a hinged roof for maintenance, if required.

Surge Protector

Driver

Optional module mounted on a removable tray



Typical Mounting Arm

Arm Provided By Others

