

# COACH STYLE LANTERN

Arm Mount

## 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.

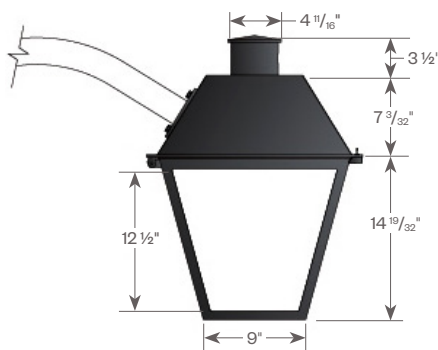
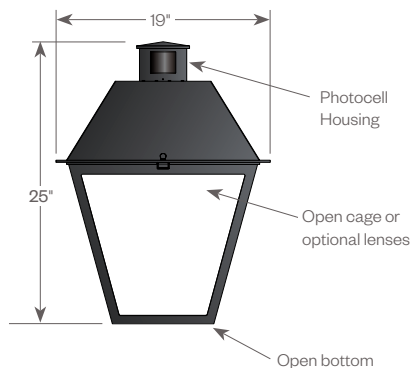


## Product Overview

Wattage:	24W, 44W, 60W, 79W
Lumen Output :	9,630 lm (79W, T5, 4000K)
Color Temp:	3000K, 4000K
Dimming:	0-10V dimming
Luminaire Weight (approx.):	16 lbs (7.2 kg)
Shipping Weight (approx.):	22 lbs (9.9 kg)

## PROJECT:

## TYPE:



### 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 120-277 VAC (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
- A 347V/480V option is available
- DLC listed

### Light Distribution:

- Type II (T2)
- Type III (T3)
- Type IV (T4)
- Type V (T5)

### CCT:

- 3,000K (30)
- 4,000K (40)

### Photo Control:

- A 3-pin twistlock photocell receptacle with a shorting cap is standard.
- An optional rotatable 7-pin (7P) twistlock photocell receptacle is available.
  - The 3-pin Twistlock photocell is an accessory and must be specified (TW-PCL).

### Mounting:

Slip fits Ø3" tenon

### Finish:

Durable thermoset polyester powdercoat finish in the following:

- Textured Black (TBK)
- Classic Bronze (CLB)
- Gloss Textured Bronze (GBZ)
- Gloss Textured Black (GTB)

### Optional Lens:

- Textured Acrylic (TA)

### Accessories:

- Bird Guard (BG)
- Backlight Shield (BLS) (available for T2, T3 & T4 distributions)
- Twistlock Photocell (TW-PCL)
- Wireless control option

### EPA: 1.31

(2.48 with optional lens)

# Coach Syle Lantern

Arm Mount LED Luminaire



PROJECT:

TYPE:

## Ordering Information



- |   |  |
|---|--|
| <p><b>1</b> <u>Model</u><br/><b>CSL-A</b></p> <p><b>2</b> <u>LED Modules</u><br/><b>1M</b> - 1 Module<br/><b>2M</b> - 2 Modules<br/><b>3M</b> - 3 Modules<br/><b>4M</b> - 4 Modules</p> <p><b>3</b> <u>CCT</u><br/><b>30</b> - 3,000K<br/><b>40*</b> - 4,000K</p> <p><b>4</b> <u>Light Distribution</u><br/><b>T2</b> - Type 2<br/><b>T3</b> - Type 3<br/><b>T4</b> - Type 4<br/><b>T5</b> - Type 5</p> | <p><b>5</b> <u>Finish</u><br/><b>TBK</b> - Textured Black<br/><b>CLB</b> - Classic Bronze<br/><b>GBZ</b> - Gloss Textured Bronze<br/><b>GTB</b> - Gloss Textured Black</p> <p><b>6</b> <u>Options/Accessories</u><br/><b>347V/480V</b> - 347/480 Voltage<br/><b>TA*</b> - Textured Acrylic Lens<br/><b>BG</b> - Bird Guard<br/><b>BLS</b> - Backlight Shield (available for T2, T3 &amp; T4 distributions)<br/><b>TW-PCL</b> - Twistlock Photocell<br/><b>7P</b>- Optional 7 pin NEMA Receptacle<br/>(to allow installation of a wireless control node for operation on the SmartSite or other control platform)</p> |
|---|--|

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

\* Not approved with 4000K & TA options.

# Coach Syle Lantern

Arm Mount LED Luminaire



## PROJECT:

## TYPE:

### 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

### Performance Chart

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		
		2M	44W	T2	3,000K	4,443	1-0-1	4,132
					4,000K	4,804	1-0-1	4,468
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		
3M	60W			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		
		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		
		4M	79W	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		
T5	3,000K			8,907	3-0-1	8,284		
	4,000K			9,630	3-0-1	8,956		

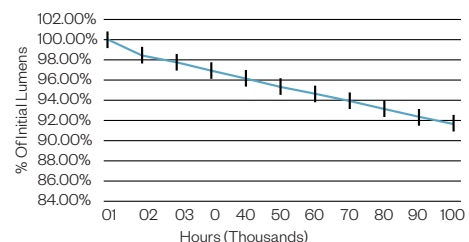
\* Approximate lumens delivered from raw light engine.

### 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.



# Coach Syle Lantern

Arm Mount LED Luminaire

## PROJECT:

## TYPE:

### Standard and Optional Lens Offering



An open cage with no lens is standard.

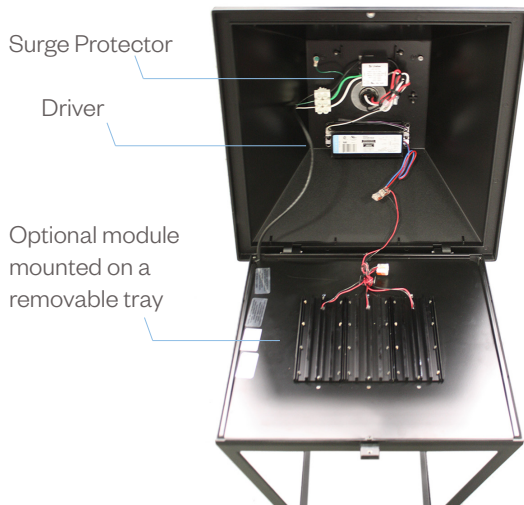


A textured acrylic lens is optional. Specify **(TA)** when ordering. Not approved for IDA Dark Sky.



### Maintenance Access

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



# Coach Syle Lantern

Arm Mount LED Luminaire

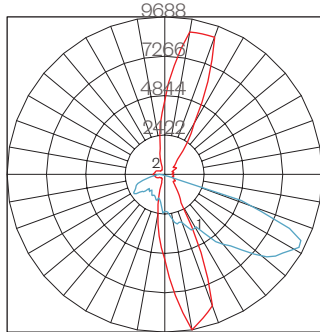


**PROJECT:**

**TYPE:**

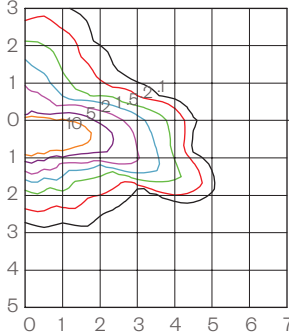
## Performance Chart

### CSL-A-4M-T2-4K



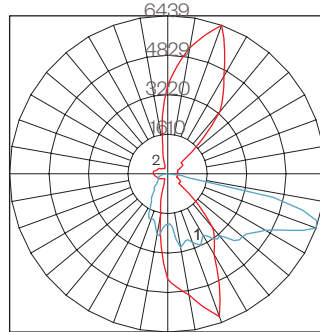
Maximum Candela = 9688  
 Located At Horizontal Angle = 280; Vertical Angle = 62.5  
 #1 - Vertical Plane Through Horizontal Angles (280-100)\*  
 #2 - Horizontal Cone Through Vertical Angle (62.5)\*  
 \* Through Max. Cd.

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



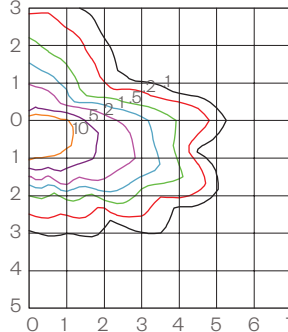
Distance in Units of Mounting Height

### CSL-A-4M-T3-4K



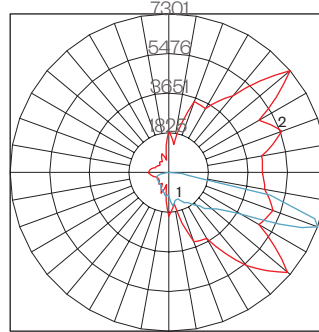
Maximum Candela = 6439  
 Located At Horizontal Angle = 70; Vertical Angle = 70  
 #1 - Vertical Plane Through Horizontal Angles (70-250)\*  
 #2 - Horizontal Cone Through Vertical Angle (70)\*  
 \* Through Max. Cd.

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



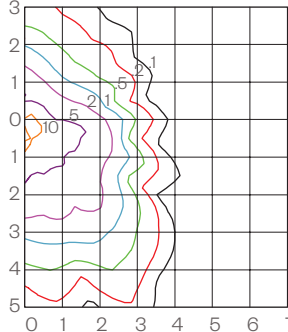
Distance in Units of Mounting Height

### CSL-A-4M-T4-4K



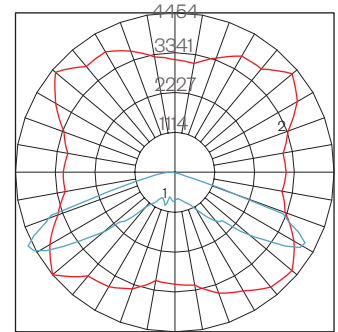
Maximum Candela = 7301  
 Located At Horizontal Angle = 40; Vertical Angle = 70  
 #1 - Vertical Plane Through Horizontal Angles (40-220)\*  
 #2 - Horizontal Cone Through Vertical Angle (70)\*  
 \* Through Max. Cd.

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



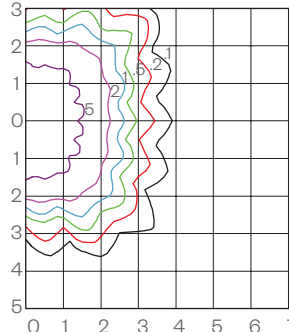
Distance in Units of Mounting Height

### CSL-A-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

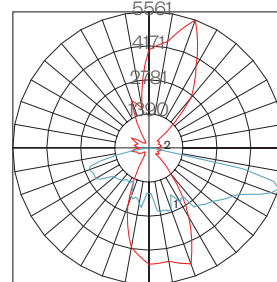


Distance in Units of Mounting Height

## Customizable Performance

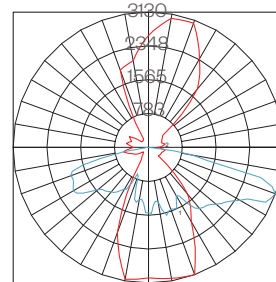
Photometry can be modified using different drive currents and a combination of lenses. Consult factory. See examples below.

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



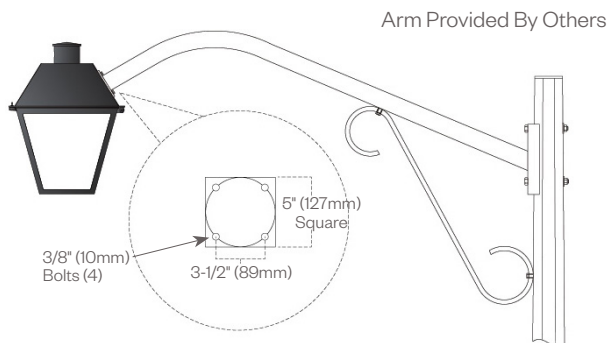
Maximum Candela = 5561  
 Located At Horizontal Angle = 70; Vertical Angle = 72.5  
 #1 - Vertical Plane Through Horizontal Angles (70-250)\*  
 #2 - Horizontal Cone Through Vertical Angle (72.5)\*  
 \* Through Max. Cd.

### CSL-A-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.

## Typical Mounting Arm



## Backlight Shield

Shield can be easily installed in the field when required.

