

# 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.

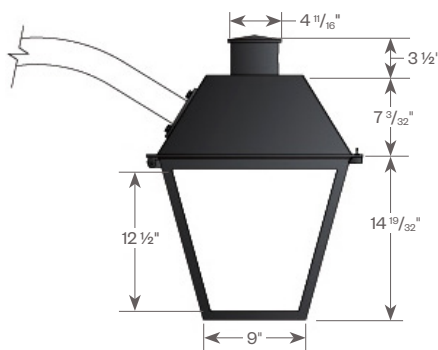
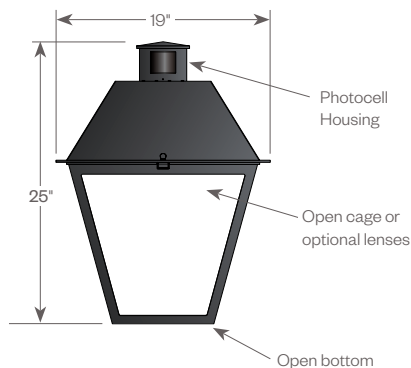
## Product Overview

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)
- Satin Black (BLK)

### 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



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

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		

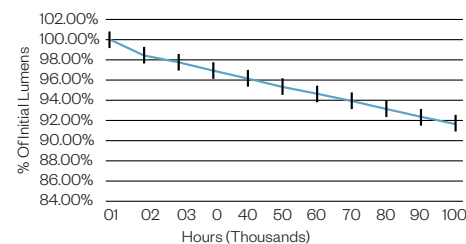
\* Approximate lumens delivered from raw light engine.

**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.

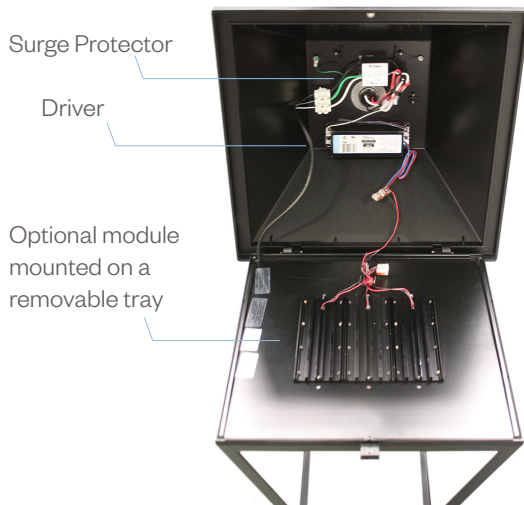


A textured acrylic lens is optional. Specify **(TA)** when ordering. Not approved for IDA Dark Sky.



### Maintenance Access

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



# Coach Style Lantern

Arm Mount LED Luminaire

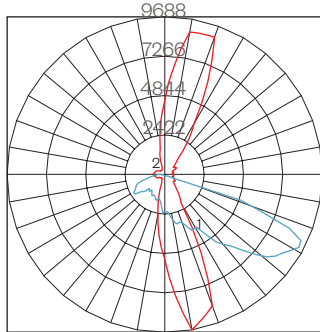


## PROJECT:

## TYPE:

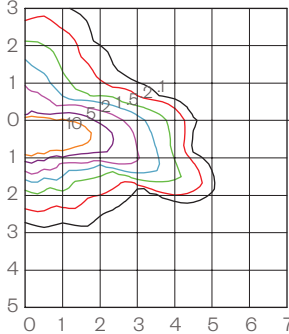
### Performance Chart

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



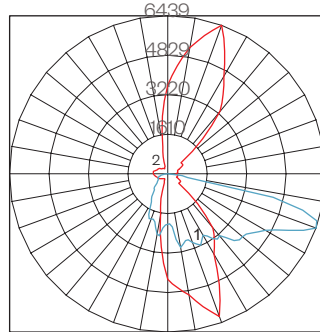
Maximum Candela = 9688  
 Located At Horizontal Angle = 280; Vertical Angle = 62.5  
 #1 - Vertical Plane Through Horizontal Angles (280-100)\*  
 #2 - Horizontal Cone Through Vertical Angle (62.5)\*  
 \* Through Max. Cd.

#### ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



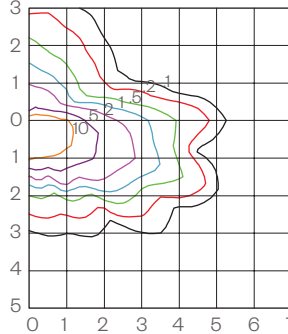
Distance in Units of Mounting Height

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



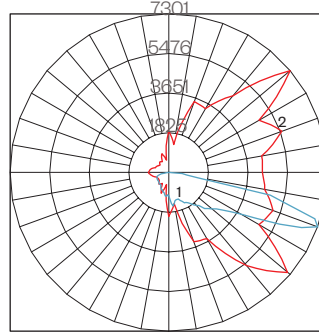
Maximum Candela = 6439  
 Located At Horizontal Angle = 70; Vertical Angle = 70  
 #1 - Vertical Plane Through Horizontal Angles (70-250)\*  
 #2 - Horizontal Cone Through Vertical Angle (70)\*  
 \* Through Max. Cd.

#### ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



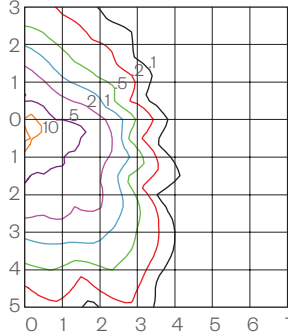
Distance in Units of Mounting Height

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



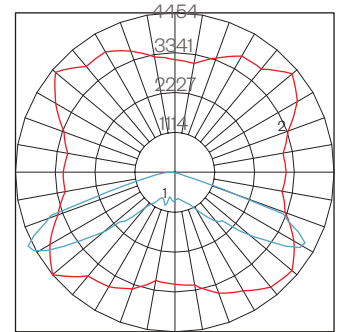
Maximum Candela = 7301  
 Located At Horizontal Angle = 40; Vertical Angle = 70  
 #1 - Vertical Plane Through Horizontal Angles (40-220)\*  
 #2 - Horizontal Cone Through Vertical Angle (70)\*  
 \* Through Max. Cd.

#### ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



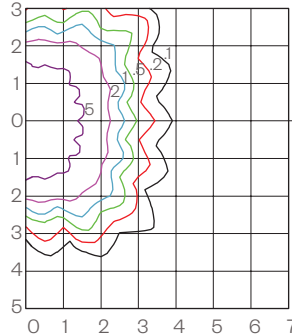
Distance in Units of Mounting Height

#### 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

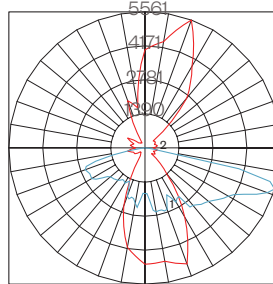


Distance in Units of Mounting Height

### Customizable Performance

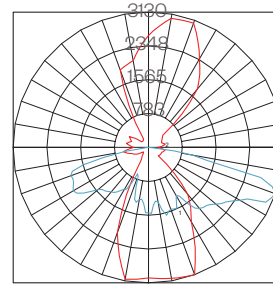
Photometry can be modified using different drive currents and a combination of lenses. Consult factory. See examples below.

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



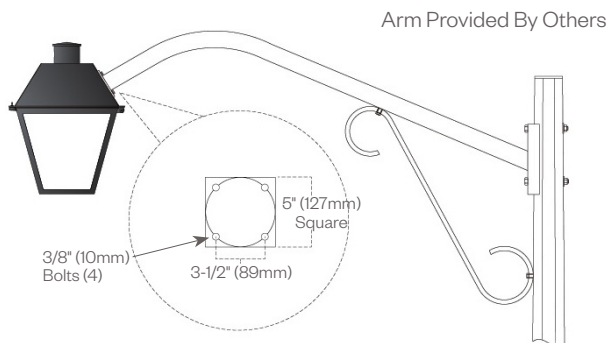
Maximum Candela = 5561  
 Located At Horizontal Angle = 70; Vertical Angle = 72.5  
 #1 - Vertical Plane Through Horizontal Angles (70-250)\*  
 #2 - Horizontal Cone Through Vertical Angle (72.5)\*  
 \* Through Max. Cd.

#### 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.

