

# COACH STYLE LANTERN

Post Top Mount



## Features

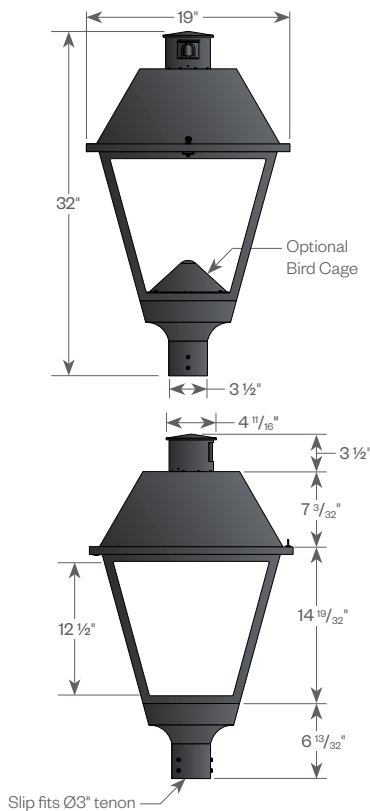
The Coach Style Lantern - Post Top (CSL-P) luminaire is a classically styled post-top lantern that offers a choice of several optical systems. Optional controls available.

## Product Overview

Wattage:	24W, 44W, 60W, 79W
Lumen Output :	9,374 lm (79W, T2, 4000K)
Color Temp:	3000K, 4000K
Dimming:	0-10V dimming
Luminaire Weight (approx.):	18 lbs (8.1 kg)
Shipping Weight (approx.):	24 lbs (10.8 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 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) Type II and Type III dist.
- Twistlock Photocell (TW-PCL)
- Shorting Cap (to bypass receptacle) (SC)
- Wireless control option

### EPA: 1.61

(2.77 with optional lens)



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PROJECT:

TYPE:

## Ordering Information

CSL-P

1

2

3

4

5

6

1

Model  
CSL-P

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

6

Options/Accessories  
347V/480V - 347/480 Voltage  
TA\* - Textured Acrylic Lens  
BG - Bird Guard  
BLS - Backlight Shield (Type II & Type III distr.)  
TW-PCL - Twistlock Photocell (not available for use with SC option)  
SC - Shorting Cap (to bypass receptacle) (not available for use with TW-PCL option)  
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 IDA Dark Sky Fixture Seal of Approval 3000K CCT must be chosen, and no Textured Acrylic (TA) option used.**

**\* Not approved with 4000K & TA options.**

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Post-Top Mount



Coach Style Lantern - Post Top (CSL-P)

**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	2,215	1-0-1	2,060		
			4,000K	2,395	1-0-1	2,227		
		T3	3,000K	2,234	1-0-1	2,078		
			4,000K	2,416	1-0-1	2,247		
		T4	3,000K	2,161	1-0-1	2,010		
			4,000K	2,336	1-0-1	2,228		
		T5	3,000K	2,257	1-0-0	2,099		
			4,000K	2,440	1-0-0	2,269		
		2M	44W	T2	3,000K	4,326	1-0-1	4,023
					4,000K	4,677	1-0-1	4,350
T3	3,000K			4,366	1-0-1	4,060		
	4,000K			4,720	1-0-1	4,390		
T4	3,000K			4,224	1-0-1	3,928		
	4,000K			4,567	1-0-2	4,247		
T5	3,000K			4,411	2-0-1	4,102		
	4,000K			4,769	2-0-1	4,435		
3M	60W			T2	3,000K	6,471	1-0-1	6,018
					4,000K	6,996	2-0-2	6,506
		T3	3,000K	6,524	2-0-2	6,067		
			4,000K	7,054	2-0-2	6,560		
		T4	3,000K	6,318	1-0-2	5,876		
			4,000K	6,831	1-0-2	6,353		
		T5	3,000K	6,598	3-0-1	6,136		
			4,000K	7,134	3-0-1	6,635		
		4M	79W	T2	3,000K	8,503	2-0-2	7,908
					4,000K	9,374	2-0-2	8,718
T3	3,000K			8,570	2-0-2	7,970		
	4,000K			9,193	2-0-2	8,549		
T4	3,000K			8,302	2-0-2	7,721		
	4,000K			8,976	2-0-2	8,616		
T5	3,000K			8,350	3-0-1	7,766		
	4,000K			8,976	3-0-1	8,348		

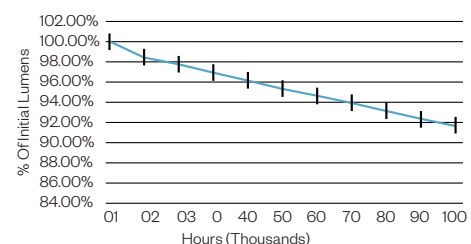
\* Approximate lumens delivered from raw light engine.

## 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 STYLE LANTERN

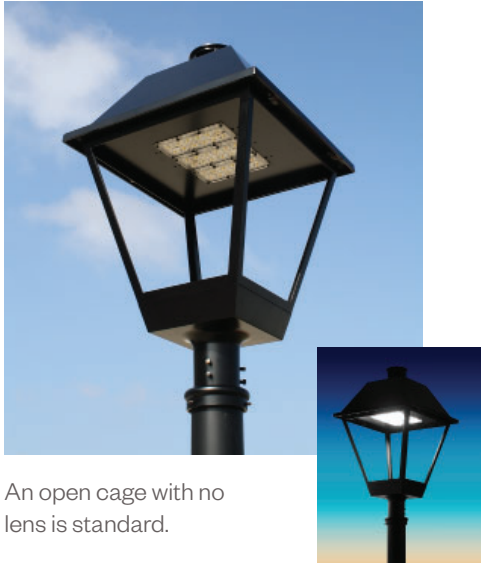
Post-Top Mount



## 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.

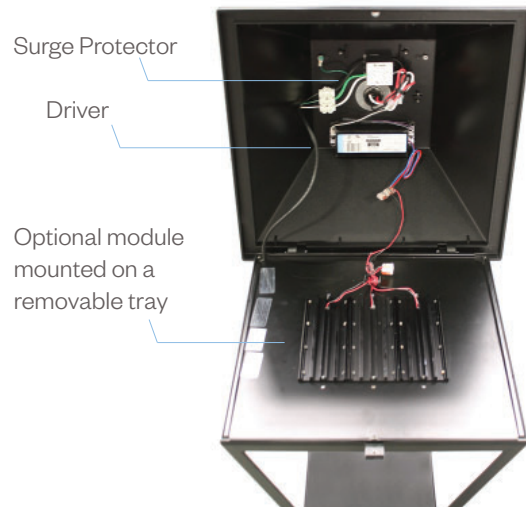
### Installation Access

The CSL luminaire comes fully wired and ready for a simple installation. The terminal block is located below a tool-less access plate in the base of the luminaire.



### Maintenance Access

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



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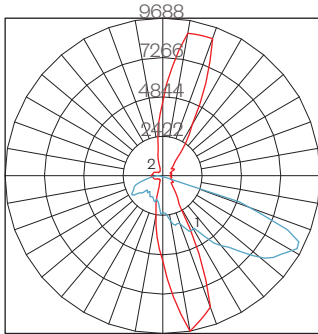


**PROJECT:**

**TYPE:**

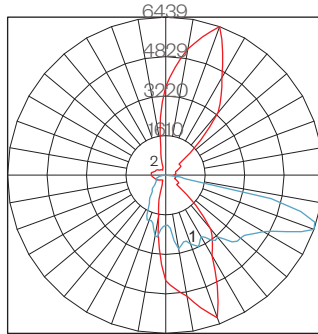
## Performance Chart

### CSL-P-4M-T2-4K



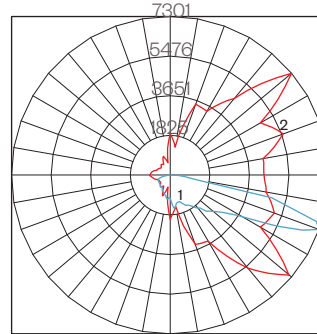
Maximum Candela = 9688  
 Located At Horizontal Angle = 280; Vertical Angle = 62.5  
 #1 - Vertical Plane Through Horizontal Angles (280-100)\*  
 #2 - Horizontal Cone Through Vertical Angle (62.5)\*  
 \* Through Max. Cd.

### CSL-P-4M-T3-4K



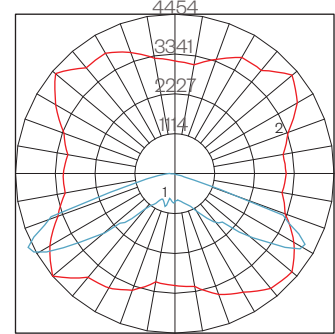
Maximum Candela = 6439  
 Located At Horizontal Angle = 70; Vertical Angle = 70  
 #1 - Vertical Plane Through Horizontal Angles (70-250)\*  
 #2 - Horizontal Cone Through Vertical Angle (70)\*  
 \* Through Max. Cd.

### CSL-P-4M-T4-4K



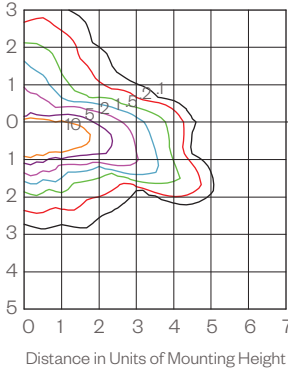
Maximum Candela = 7301  
 Located At Horizontal Angle = 40; Vertical Angle = 70  
 #1 - Vertical Plane Through Horizontal Angles (40-220)\*  
 #2 - Horizontal Cone Through Vertical Angle (70)\*  
 \* Through Max. Cd.

### CSL-P-4M-T5-4K

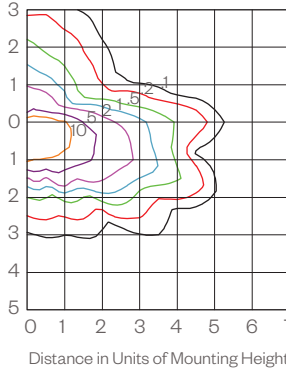


Maximum Candela = 4454  
 Located At Horizontal Angle = 220; Vertical Angle = 62.5  
 #1 - Vertical Plane Through Horizontal Angles (220-40)\*  
 #2 - Horizontal Cone Through Vertical Angle (62.5)\*  
 \* Through Max. Cd.

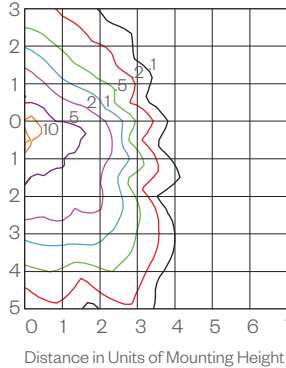
### ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



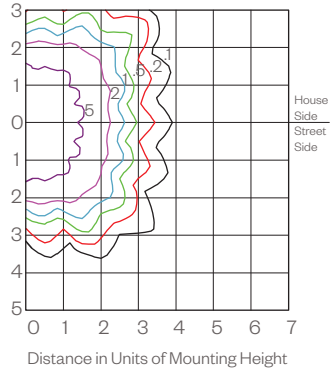
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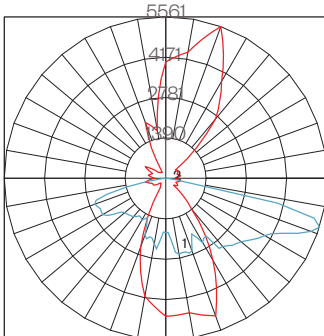
### ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



## Customizable Performance

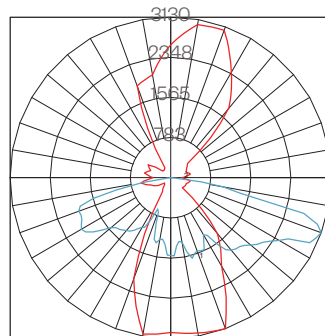
Photometry can be modified using different drive currents and a combination of lenses. Consult factory. See examples below.

### 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.

