

# P8108 SERIES 5.5 Inch LED New Construction And Remodel • Wet location listed



## Description:

The P8108 delivers a solution for flush mount, for both residential and commercial markets. In addition, the P8108 is wet located, Title 24 - JA8 - 2016 and is a cost effective solution for fire rated application. The P8108 luminaire unites performance, cost and safety benefits.

## Specifications:

- White finish.
- Diffused polycarbonate lens controls direct glare from the LEDs.
- Simple snap-in installation for J-Box.
- Die-cast aluminum construction with a powder coat paint finish.
- Can be installed in a 4" J-Box.
- Lumen output and distribution comparable to a 65W incandescent lamp.
- Requires a minimum 2" deep J-Box.
- Meets California Title 24 - JA8 - 2016.
- 6" of wire supplied
- ENERGY STAR® qualified
- Meets California Title 24 JA8-2016

## Performance:

Input Power	12.4w
Input Voltage	120 V
Input Frequency	60 Hz
Lumens/LPW	754/60.8 (LM-79)
CCT	3000 K
CRI	90
Life (hours)	50,000 (L70/TM-21)
EMI/RFI	FCC Title 47, Part 15 Class B
Min. Start Temp	-30 °C
Max. Operating Temp	30° C
Warranty	5 year warranty
Labels	cCSAus Wet location listed
	ENERGY STAR® qualified
	Meets California Title 24 JA8-2016

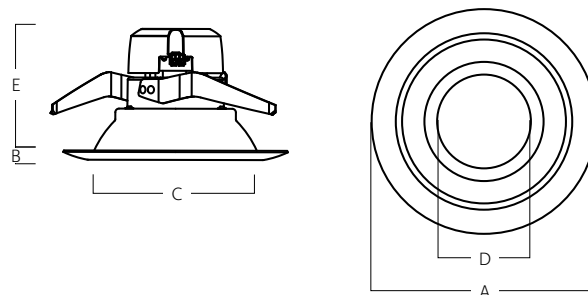
## Images:

### P8108-28-30K



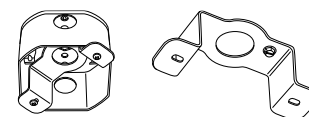
## Dimensions:

- (A) Outside Diameter: 5.5"  
 (B) Height: 0-3/4"  
 (C) Inside Diameter: 3.6"  
 (D) Light Emitting Surface (LES): 3"  
 (E) Overall Ht.: 2-3/4"



## Included Mounting Options:

J-Box  
Adapter



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## Photometrics:

## P8108-28-30K

ELECTRICAL DATA	P8108-28-30K
Input Voltage	120 V
Input Frequency	60 Hz
Input Current	0.104 A
Power Factor	>0.90
THD	<20%
EMI Filtering	FCC Title 47, Part 15 Class B
Operating Temperature	-30 °C to 30° C
Dimming	Yes*
Over-voltage, over-current, short-circuit protected	
*See Dimming Notes for more information	

### P8108-28-30K

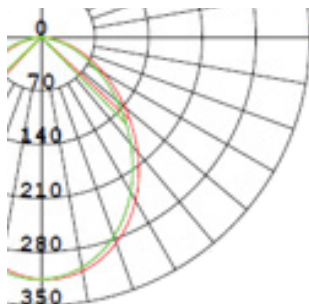
LED Light Engine: 3000 K, 90 CRI

System Wattage: 12.4

Fixture Delivered Lumens: 754

Fixture Efficacy: 60.8

Spacing Criteria: 1.13



### CANDELA DISTRIBUTION

DEGREE	CANDELA	LUMENS
0	341	
5	338	32
15	318	89
25	280	129
35	229	143
45	174	134
55	122	109
65	75	75
75	35	37
85	3	5
90	0	

### ZONAL LUMEN SUMMARY

Zone	Zone_Lumens	%_Luminaire
0-30	250	33.2
0-40	394	52.2
0-60	637	84.5
0-90	754	100.0
90-180	0	0.0
0-180	754	100.0

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## P8108-28-30K

### Dimming Notes:

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P8108 is designed to be compatible with many Triac/Forward Phase controls.

The following is a partial list of known compatible dimmer controls.

### Dimming Controls

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Lutron AYCL-153P

Lutron AY-600

Lutron TGCL-153P

Lutron DVCL-153P

Leviton 6672

Dimming capabilities will vary depending on the dimmer control, load, and circuit installation. Always refer to dimmer manufacturer instructions or a controls specialist for specific requirements.

Dimmer control brand names where identified above are trade names or registered trademarks of each respective company.