

# P8108 Series

5.5 inch LED New Construction and Remodel • Wet Location



## Specifications:

### 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.

### Construction:

- 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. See J-box compatibility table.

### Performance:

Input Power	12.4W MAX.
Input Voltage	120V
Input Frequency	60Hz
Lumens/LPW	754/60.8 (LM-79)
CCT	3000K
CRI	90+
Life	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 yrs.
Labels	cCSAus classified for wet locations ENERGY STAR® qualified California Title 24 - JA8-2016

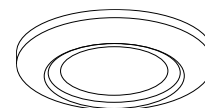
## P8108-28-30K

### Images:



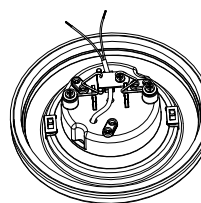
### Dimensions:

Diameter: 5.5"  
Height: 2.75"



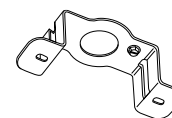
### Included Mounting Options:

#### J-Box Mount with Quick-Link



J-Box Adapter

2.75" overall ht.



Requires minimum 2" deep J-box.  
See J-box compatibility table.

### Catalog number:

Base	Finish	Color Temp	CRI
<b>P8108</b>	<b>20</b> - Bronze <b>28</b> - White <b>31</b> - Black <b>82</b> - Metallic Gray	<b>30K</b> - 3000K	<b>BLANK</b> - 90 CRI

Photometrics:

ELECTRICAL DATA	P8108-28-30K
Input Voltage	120V AC
Input Frequency	50/60 Hz
Input Current	0.11A
Input Power	12.4w max.
Power Factor	>0.90
THD	<20%
EMI Filtering	FCC 47CFR Part 15, Class B
Operating Temperature	-30°C to 40°C
Dimming	Yes*

Over-voltage, over-current, short-circuit protected

\*See Dimming Notes for more information

### P8108-28-30K

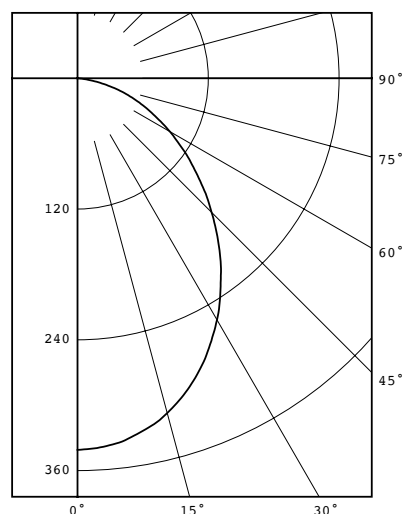
LED Light Engine: 3000K, 90 CRI

System Wattage: 12.4w max.

Fixture delivered lumens: 754

Fixture Efficacy: 60.8 (LM-79)

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

### Dimming Notes:

P8108 is designed to be compatible with many Triac/Forward Phase controls. The following is a partial list of known compatible dimmer controls:

### Triac/Forward Phase Controls

Lutron	AY-600
Lutron	AYCL-153P
Lutron	TGCL-153P
Lutron	DVCL-153P
Leviton	6672

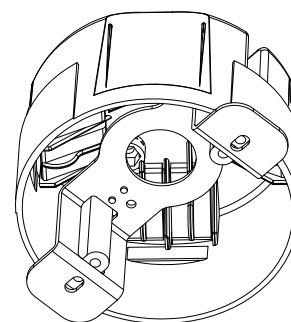
Dimming capabilities will vary depending on the dimmer control, load, and circuit installation. Always refer to dimmer manufacturer instructions or a controls specialist for specific requirements.

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

### Junction Box Compatibility table

Manufacturer	Part #	Volume (in <sup>3</sup> )	Material	Diameter (in)	Depth (in)
Raco	175	21.5	Galvanized Steel	4	2-1/8
Raco	176	21.5	Galvanized Steel	4	2-1/8
Raco	177	21.5	Galvanized Steel	4	2-1/8
Carlon	A615DE	15	PVC	4	2-1/8
Carlon	B520A	20	PVC	4	2-1/4
Carlon	BH525A	25	PVC	4-1/2	3
Carlon	BH525H	25	PVC	4-1/2	3
Carlon	BH525L	25	PVC	4-1/2	3
Carlon	B620H	20	PVC	4	2-1/4
Carlon	B620K	20	PVC	4	2-1/4
Carlon	B720SHK	20	PVC	4	2-1/4
Carlon	B618R	18	PVC	4-1/4	2-5/8
Cantex	EZ20CNAR	20	PVC	3-1/2	2-1/4
Cantex	EZ18CNR	18	PVC	3-1/2	2-3/4

Consult factory for compatibility if desired J-box is not listed.



Plastic J-box pictured showing use of notch in bracket.