

P8107 Series

LED New Construction and Remodel • Wet Location



Specifications:

Description:

The P8107 delivers a solution for flush mount, for both residential and commercial markets. In addition, the P8107 is wet located and is a cost effective solution for fire rated application. The P8107 features a 120V alternating current source and eliminates the need for a traditional LED driver. This modular approach results in an encapsulated luminaire that 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
Input Voltage	120V
Input Frequency	60Hz
Lumens/LPW	813/65.5 (LM-79)
CCT	3000K
CRI	90+
Life	60,000 (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

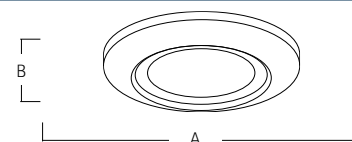
P8107-2830K9

Images:



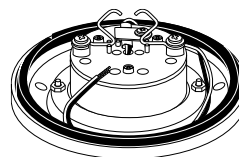
Dimensions:

A	B
5.5"	0.75"



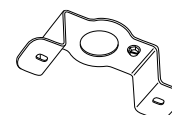
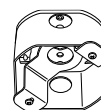
Included Mounting Options:

J-Box Mount with Quick-Link



2.75" overall ht.

J-Box Adapter



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

Catalog number:

Base	Finish	Color Temp
P8107	20 - Bronze 28 - White 31 - Black 82 - Metallic Gray	30K9 - 3000K 90 CRI

Photometrics:

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ELECTRICAL DATA	P8107-2830K9
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

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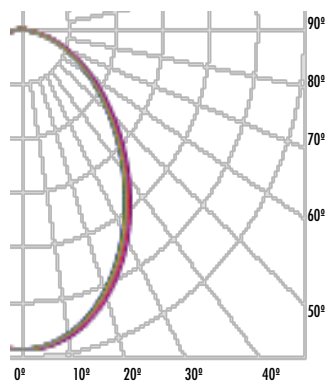
LED Light Engine: 3000K, 90 CRI

System Wattage: 12.4w max.

Fixture delivered lumens: 824.6

Fixture Efficacy: 66.07 (LM-79)

Spacing Criteria: 1.12



CANDELA DISTRIBUTION

DEG	DISTRIBUTION				LUMENS
	0	22.5	45	67.5	90
0	370	370	370	370	370
5	366	366	367	367	368
15	342	342	343	345	347
25	297	298	300	302	305
35	240	241	243	246	249
45	179	180	182	185	188
55	124	124	126	128	132
65	75	75	77	79	82
75	32	32	33	35	38
85	2	2	2	3	4
90	0	0	0	0	0

ZONAL LUMEN SUMMARY

Dimming Notes:

P8107 is designed to be compatible with many ELV/Reverse Phase controls.

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

Dimming Controls

Lutron Diva DVELV-300P

Lutron Nova NTELV-300

Lutron Verti VTELV-600

Lutron Maestro MAELV-600

Lutron Spacer SPELV-600

Leviton Renoir II AWRMG-EAW

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 ³)	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

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