PROGRESS LIGHTING

Project:

Fixture Type:

Location:

Contact:

P8107 Series

LED New Construction and Remodel • Wet Location

PROGRESS LED

Specifications:

P8107-28/30K9

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.

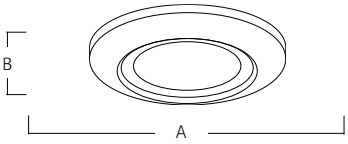
Construction:

- 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

Images:

Dimensions:

A	B
5.5"	0.75"

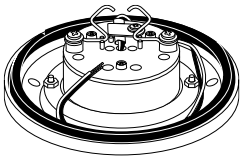


Performance:

Input Power	12W per module
Input Voltage	120V
Input Frequency	60Hz
Lumens/LPW	673/56 (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

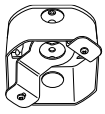
Included Mounting Options:

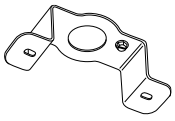
J-Box Mount with Quick-Link



2.75" overall ht.

J-Box
Adapter





Catalog number:

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

P8240 Series

LED New Construction and Remodel • Wet Location

PROGRESS LED

Photometrics:

P8240-28/30K9-AC1-L06

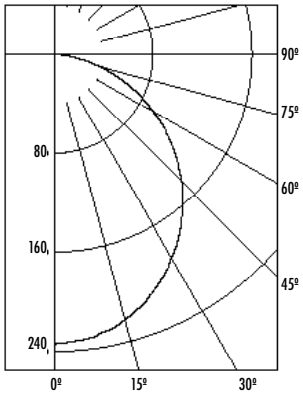
ELECTRICAL DATA	P8240-28/30K9-AC1-L06
Input Voltage	120V AC
Input Frequency	50/60 Hz
Input Current	0.11A
Input Power	12.7W
Power Factor	>0.90
THD	<20%
EMI Filtering	FCC 47CFR
	Part 15, Class B
Operating Temperature	-30ºC to 40ºC
Dimming	Yes*

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

*See Dimming Notes for more information

P8240-28/30K9-AC1-L06
LED Light Engine: 3000K, 92 CRI
System Wattage: 12.7
Fixture delivered lumens: 623
Fixture Efficacy: 48.9
Spacing Criteria: 1.2

Single Unit, Initial Footcandles, 30" Work Plane							Ceiling to Floor Height (ft)	Multiple Units, Initial Footcandles, 30" Work Plane			
Nadir	10°		20°		30°			Spacing is Maximum Over Work Plane, SMH= 1.2			
FC	FC	Dia (ft)	FC	Dia (ft)	FC	Dia (ft)		Fixture Spacing (ft)	RCR 2	RCR 5	RCR 7
19	18	1	14	3	10	4	6	4.0	32	23	18
8	7	2	6	4	4	6	8	7.0	13	9	7
4	3	3	3	6	2	9	10.5	10.0	6	4	4
3	2	3	2	7	1	11	12	11.0	4	3	2



Test No. 15.00666 70030959
Tested at 25º Ambient in accordance to IESNA LM-79-2008

CANDELA DISTRIBUTION

DEG	CANDELA
0	234
5	232
15	222
25	203
35	177
45	146
45	111
55	75
65	38
75	6
90	0

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0-30	178	28.6
0-40	289	46.3
0-60	501	80.4
0-90	623	100.0

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method

Room Cavity Ratio	% Effective Ceiling Cavity Reflectance									
	80%				70%		50%		30%	
	20% Effective Floor Cavity Reflectance									
	% Wall Reflectance									
	70	50	30	10	70	10	50	30	50	30
1	109	104	100	97	06	95	98	95	94	92
3	91	80	72	66	88	65	76	69	73	67
5	76	64	55	48	74	48	60	53	58	52
7	66	52	43	37	64	37	50	42	43	42
9	57	44	36	30	56	30	42	35	41	34

P8240-28/30K9-AC1-L06 Test No. 15.00666 70030959

Dimming Notes:

P8107-28/30K9

P8107 is designed to be compatible with many Electronic Low Voltage (ELV-Reverse Phase) controls. The following is a partial list of known compatible dimmer controls:

Electronic Low Voltage ELV Reverse Phase Controls

Leviton	Renoir II	AWRMG-EAW
Lutron	Diva Series	(Part Number DVELV-300)
Lutron	Maestro Series	(Part Number MAELV-600)
Lutron	Nova T Series	(Part Number NTELV-300)
Lutron	Spacer Series	(Part Number SPSELV-600)
Lutron	Vierti Series	(Part Number VTELV-600)

Incandescent Digital type dimmers are not recommended.

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.