

P8247 Series

LED New Construction and Remodel • Wet Location



Specifications:

Description:

The P8247 delivers a solution for flush mount, for both residential and commercial markets. In addition, the P8247 is wet located and is a cost effective solution for fire rated application. The P8247 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 and decorative glass ring
- Can be installed in a 4" J-Box
- Lumen output and distribution comparable to a 65W incandescent lamp
- Suitable for use in IC or NON-IC Applications with 30°C (86°F) continuous room side ambient temperature.

Performance:

Input Power	12W
Input Voltage	120V
Input Frequency	60Hz
Lumens/LPW	630/51 (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 ENERGY STAR® qualified

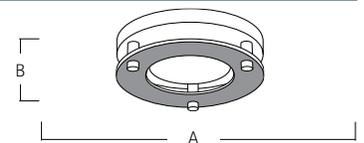
P8247-28/30K9-AC1-L06

Images:



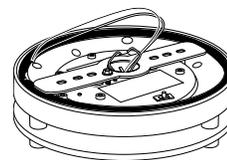
Dimensions:

A	B
5.25"	2.75"



Included Mounting Options:

J-Box Mount with Quick-Link



J-Box Adapter



Catalog number:

Base	Finish	Color Temp	Voltage	Lumen Package
P8247	09 - Brushed Nickel 20 - Bronze 28 - White 31 - Black	30K9 - 3000K 90 CRI	AC1 - 120V	L06 - 630 Lumens

Photometrics:

P8247-28/30K9-AC1-L06

ELECTRICAL DATA		P8247-28/30K9-AC1-L06	
Input Voltage	120V		
Input Frequency	60 Hz		
Input Current	700mA		
Power Factor	>0.90		
THD	<20%		
EMI Filtering	FCC 47CFR		
	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			

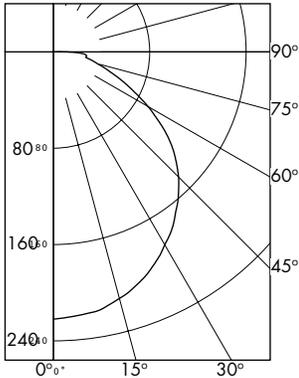
PERFORMANCE DATA CHART

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	
23	22	1	18	3	12	4		6	4.0	37	26
9	9	2	7	4	5	6	8	7.0	15	11	9
4	4	3	3	6	2	9	10.5	10.0	7	5	4
3	3	3	2	7	2	11	12	11.0	5	4	3

P8247-28/30K9-AC1-L06
 LED Light Engine: 3000K, 91 CRI
 System Wattage: 12.3 W
 Fixture Delivered Lumens: 630
 Fixture Efficacy: 51.6
 Spacing Criteria: 1.2

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXTURE
0-30	171	27.0
0-40	280	44.2
0-60	493	77.8
0-90	633	100.0



CANDELA DISTRIBUTION	
DEG	CANDELA
0	222
5	220
15	212
25	196
35	174
45	147
55	112
65	70
75	38
85	27
90	18

COEFFICIENTS OF UTILIZATION

Room Cavity Ratio	% Effective Ceiling Cavity Reflectance												
	80%			70%			50%			30%			
	% Effective Floor Cavity Reflectance												
% Wall Reflectance													
	70	50	30	70	10	50	30	50	30	70	50	30	
1	108	103	98	94	105	92	96	93	92	89			
3	89	79	70	64	87	63	74	67	71	66			
5	75	62	53	47	73	46	59	51	57	50			
7	65	51	42	36	63	36	49	41	47	40			
9	56	43	34	29	55	29	41	34	40	33			
10	53	39	31	26	51	26	38	31	37	30			

P8247-28/30K9-AC1-L06

Test No. 15.01267
70040774

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Tested at 25°C Ambient in accordance to IESNA LM-79-2008

Dimming Notes:

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P8247 is designed to be compatible with many Electronic Low Voltage (ELV-Reverse Phase) controls. LED rated dimmer controls may offer favorable dimming performance. 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)

LED Rated Controls

Pass & Seymour	(Part Number DCL453PTCCCV6)
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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.