

# P8240 Series

LED New Construction and Remodel • Wet Location



## Specifications:

### Description:

The P8240 delivers a solution for flush mount, for both residential and commercial markets. In addition, the P8240 is wet located and is a cost effective solution for fire rated application. The P8240 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
- Suitable for use in IC or NON-IC Applications with 25°C (77°F) continuous room side ambient temperature.

### Performance:

Input Power	12W per module
Input Voltage	120V
Input Frequency	60Hz
Lumens/LPW	623/52 (LM-79) per module
CCT	3000K
CRI	90+
Life	42,000 (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

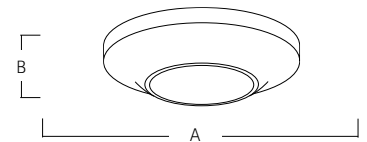
## P8240-28/30K9-AC1-L06

### Images:



### Dimensions:

A	B
5.5"	1.21"

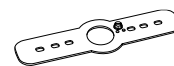


### Included Mounting Options:

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



J-Box Adapter



### Catalog number:

Base	Finish	Color Temp	Voltage	Lumen Package
P8240	20 - Bronze 28 - White 31 - Black 82 - Metallic Gray	30K9 - 3000K 90 CRI	AC1 - 120V	L06 - 623 Lumens

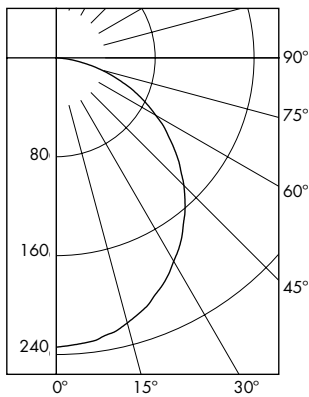
**Photometrics:**

## 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	-30°C to 40°C
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



**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	50	30				
1	109	104	100	97	106	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	48	42						
9	57	44	36	30	56	30	42	35	41	34						

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

## Dimming Notes:

## P8240-28/30K9-AC1-L06

P8240 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.