

# 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

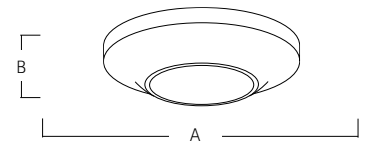
## P8240-28/30K9-AC1-L06

### Images:



### Dimensions:

A	B
5.5"	1.21"

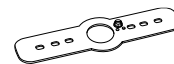


### Included Mounting Options:

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



J-Box Adapter



### Catalog number:

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

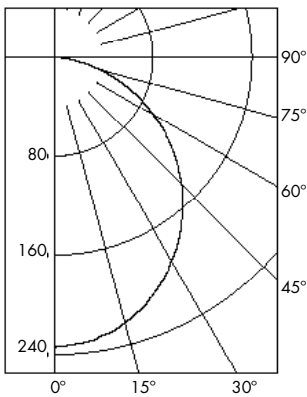
**Photometrics:**

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

<b>ELECTRICAL DATA</b>		<b>P8240-28/30K9-AC1-L06</b>
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			
10'		20'		30'		Spacing is Maximum Over Work Plane, SMI= 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	50	30	10	70	50	30	10				
<b>1</b>	109	104	100	97	106	95	98	95	94	92						
<b>3</b>	91	80	72	66	88	65	76	69	73	67						
<b>5</b>	76	64	55	48	74	48	60	53	58	52						
<b>7</b>	66	52	43	37	64	37	50	42	48	42						
<b>9</b>	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.