

# P8161 SERIES

5IN LED Square Retrofit • Wet location listed



## Description:

The P8161 is ideal for use in both new construction as well as remodel/retrofit. The sleek geometric shape provides a high end appeal for residential and commercial spaces. Light output is comparable to that of a typical 65W incandescent downlight, providing up to 75 percent energy savings. The P8161 is equipped with both Edison base adaptor and quick link connector allowing easy installation in many standard round incandescent recessed housings. White finish.

## Specifications:

- White finish.
- Diffused polycarbonate lens controls direct glare from the LEDs
- Easy "Push and Twist" installation with (3) friction spring clips
- Can be installed in most 5" round recessed housings
- Dimmable to 10% with many Triac/Forward Phase dimmers
- Lumen output and distribution comparable to a 65W incandescent lamp
- 694 lumens (delivered).
- Suitable for use in IC or NON-IC Applications
- Provided with quick link for use with E26 Edison Base adapter
- ENERGY STAR certified.
- California Title 24 - JA8 - 2016
- This product is not available for sale into the State of California.
- ENERGY STAR® qualified
- Meets California Title 24 JA8-2016

## Performance:

Input Power	9w
Input Voltage	120 V
Input Frequency	60 Hz
Lumens/LPW	694/77 (LM-79)
CCT	3000 K
CRI	90+
Life (hours)	50,000 (L70/TM-21)
EMI/RFI	FCC Title 47, Part 15 Class B
Min. Start Temp	-30 °C
Max. Operating Temp	30° C
Warranty	5 year warranty
Labels	cCSAus Wet location listed
	ENERGY STAR® qualified
	Meets California Title 24 JA8-2016

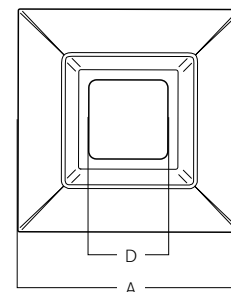
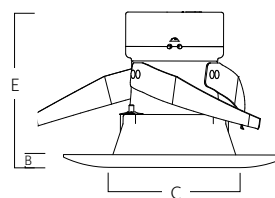
## Images:

### P8161-28-30K



## Dimensions:

- (A) Outside Square: 5.75"
- (B) Height: 0.31"
- (C) Inside Square: 3.25"
- (D) Light Emitting Surface (LES): 2"
- (E) Overall Ht.: 4"



Photometrics:

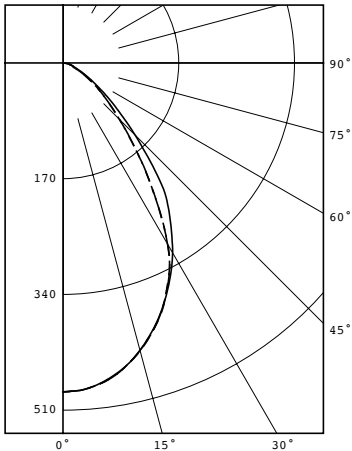
## P8161-28-30K

ELECTRICAL DATA	P8161-28-30K
Input Voltage	120 V
Input Frequency	60 Hz
Input Current	0.077 A
Power Factor	Greater than 0.90
THD	<20%
EMI Filtering	FCC Title 47, 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

### P8161-28-30K

LED Light Engine: 3000 K, 90+ CRI  
 System Wattage: 9  
 Fixture Delivered Lumens: 694  
 Fixture Efficacy: 77  
 Spacing Criteria: 1.02



### CANDELA DISTRIBUTION

DEGREE	CANDELA					LUMENS	
	0.0	22.5	45.0	67.5	90.0		
0	483	483	483	483	483	483	
5	478	478	478	478	478	478	45
15	438	437	437	437	437	437	123
25	362	364	365	364	363	363	167
35	232	248	273	248	231	231	156
45	118	129	150	129	117	117	103
55	58	64	67	64	58	58	57
65	23	26	28	26	23	23	27
75	12	13	12	13	12	12	13
85	3	3	3	3	3	3	4
90	0	0	0	0	0	0	

### ZONAL LUMEN SUMMARY

Zone	Lumens	%_Fixt
0-30	334	48.2
0-40	490	70.6
0-60	651	93.8
0-90	694	100.0
90-180	0	0.0
0-180	694	100.0

## P8161-28-30K

### Dimming Notes:

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P8161 is designed to be compatible with many Triac/Forward Phase controls.

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

### Dimming Controls

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Lutron NTEVL-300

Lutron AYLV-600P

Leviton 6672

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.