

# P8180 SERIES

4IN LED Square Retrofit • Wet location listed



## Description:

The P8180 is ideal for use in both new construction as well as remodel/retrofit. Light output is comparable to that of a typical 60W incandescent downlight, providing up to 75% energy savings. The P8180 is equipped with both Edison base adapter and quick link connector allowing easy installation in many standard round incandescent recessed housings.

## Specifications:

- Satin 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 4" round recessed housings
- Dimmable to 10% with many Triac/Forward Phase dimmers
- Lumen output and distribution comparable to a 65W incandescent lamp
- Suitable for use in IC or NON-IC Applications
- Provided with quick link for use with E26 Edison Base adapter
- ENERGY STAR® qualified

## Performance:

Input Power	11w
Input Voltage	120 V
Input Frequency	60 Hz
Lumens/LPW	734/66 (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

## P8180-28-30K

## Images:



## Dimensions:

## Catalog number:

Base	Finish	Color Temp	CRI
P8180	09 - Brushed Nickel	30K - 3000 K	Blank - 90
	20 - Antique Bronze		
	28 - Satin White		
	31 - Black		

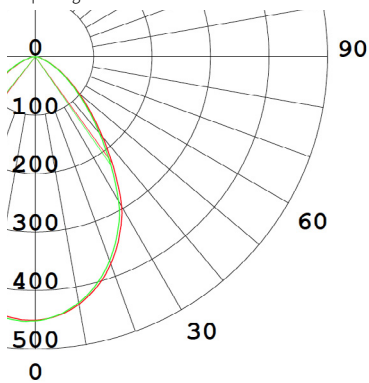
**Photometrics:**

## P8180-28-30K

<b>ELECTRICAL DATA</b>	<b>P8180-28-30K</b>
Input Voltage	120 V
Input Frequency	60 Hz
Input Current	0.09 A
Input Power	11
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	

**P8180-28-30K**

LED Light Engine: 3000 K 90 CRI  
 System Wattage: 11  
 Fixture delivered lumens: 734  
 Fixture Efficacy: 66  
 Spacing Criteria: 1.0



**ZONAL LUMEN SUMMARY**

Zone	Zone Lumens	Total Lumens	% Luminaire
0-10	42.29	42.29	5.76
10-20	116.2	158.5	21.6
20-30	160.9	319.5	43.5
30-40	161.7	481.2	65.5
40-50	121.6	602.7	82.1
50-60	74.88	677.6	92.3
60-70	37.69	715.3	97.4
70-80	14.54	729.8	99.4
80-90	4.22	734.1	100
90-100	0.01	734.1	100

## P8180-28-30K

### Dimming Notes:

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P8180-28-30K 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.