

# 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. The sleek geometric shape provides a high end appeal for residential and commercial spaces. 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 adaptor and quick link connector allowing easy installation in many standard round incandescent recessed housings.

## Specifications:

- Antique Bronze 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 60W incandescent lamp
- Suitable for use in IC or NON-IC Applications
- Provided with quick link for use with E26 Edison Base adapter
- This product is not available for sale into the State of California.
- ENERGY STAR® qualified

## Performance:

Input Power	9w
Input Voltage	120 V
Input Frequency	60 Hz
Lumens/LPW	589/65.4 (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

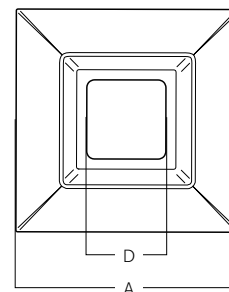
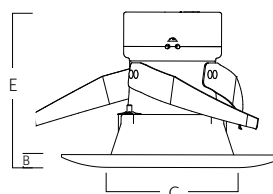
## Images:

### P8180-20-30K



## Dimensions:

- (A) Outside Square: 4.75"  
 (B) Height: 0.31"  
 (C) Inside Square: 2.75"  
 (D) Light Emitting Surface (LES): 2"  
 (E) Overall Ht.: 3-3/4"



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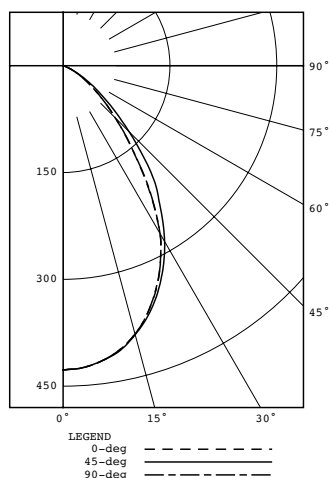
## Photometrics:

## P8180-20-30K

ELECTRICAL DATA	P8180-20-30K
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	

### P8180-20-30K

LED Light Engine: 3000 K, 90+ CRI  
 System Wattage: 9  
 Fixture Delivered Lumens: 589  
 Fixture Efficacy: 65.4  
 Spacing Criteria: 1.02



### CANDELA DISTRIBUTION

DEGREE	0.0	22.5	45.0	67.5	90.0
0	427	427	427	427	427
5	423	423	423	423	423
15	390	390	391	390	390
25	320	323	327	323	320
35	208	221	236	222	210
45	104	114	131	115	103
55	45	51	55	51	45
65	13	15	15	15	13
75	0	0	1	0	0
85	0	0	0	0	0
90	0	0	0	0	0

### ZONAL LUMEN SUMMARY

Zone	Lumens	%_Fixt
0-30	298	50.5
0-40	436	74.0
0-60	572	97.3
0-90	589	100.0
90-180	0	0.0
0-180	589	100.0

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## P8180-20-30K

### Dimming Notes:

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P8180 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.