

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 65W 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:

- Brushed Nickel 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
- This product is not available for sale into the State of California.
- ENERGY STAR® qualified

Performance:

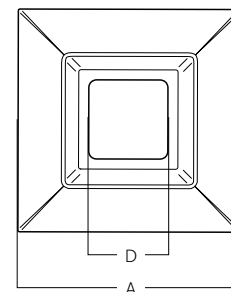
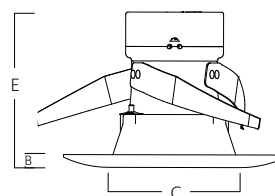
Input Power	9w
Input Voltage	120 V
Input Frequency	60 Hz
Lumens/LPW	652/72.4 (LM-79)
CCT	3000 K
CRI	90+
Life (hours)	50,000 (L70/TM-21)
EMI/RFI	FCC Title 47, Part 15 Class B
Min. Start Temp	-30 °C
Max. Operating Temp	30° C
Warranty	5 year warranty
Labels	cCSAus Wet location listed ENERGY STAR® qualified

Images: P8180-09-30K



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"



Photometrics:

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ELECTRICAL DATA	P8180-09-30K
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

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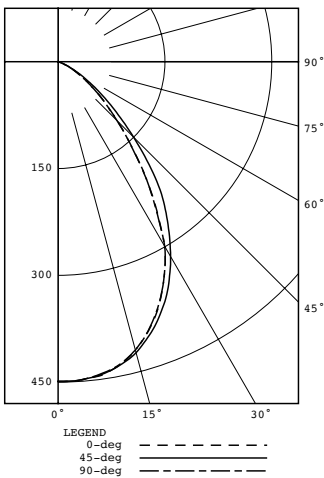
LED Light Engine: 3000 K, 90+ CRI
 System Wattage: 9
 Fixture Delivered Lumens: 652
 Fixture Efficacy: 72.4
 Spacing Criteria: 1.05

CANDELA DISTRIBUTION

DEGREE	CANDELA					LUMENS	
	0.0	22.5	45.0	67.5	90.0		
0	449	449	449	449	449		
5	447	447	447	447	447	42	
15	419	420	423	421	419	118	
25	348	354	361	354	348	162	
35	232	247	266	249	230	154	
45	118	130	150	132	117	103	
55	51	58	63	58	51	53	
65	15	17	17	17	15	17	
75	1	1	1	1	1	2	
85	0	0	0	0	0	0	
90	0	0	0	0	0	0	

ZONAL LUMEN SUMMARY

Zone	Lumens	%_Fixt
0-30	323	49.5
0-40	477	73.2
0-60	633	97.1
0-90	652	100.0
90-180	0	0.0
0-180	652	100.0



P8180-09-30K

Dimming Notes:

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

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.