

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:

- 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
- Meets California Title 24 JA8-2016

Performance:

Input Power	9w
Input Voltage	120 V
Input Frequency	60 Hz
Lumens/LPW	718/79.7 (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

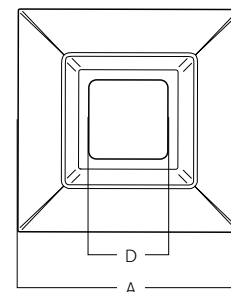
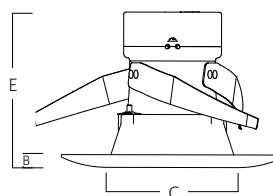
Images:

P8180-28-30K



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:

P8180-28-30K

ELECTRICAL DATA	P8180-28-30K
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

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LED Light Engine: 3000 K, 90+ CRI

System Wattage: 9

Fixture Delivered Lumens: 718

Fixture Efficacy: 79.7

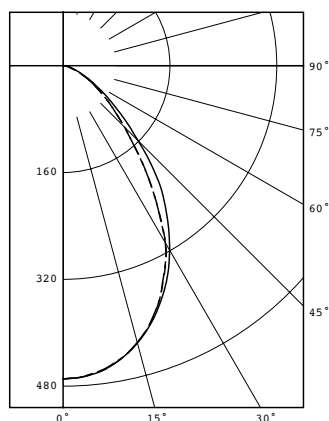
Spacing Criteria: 1.03

CANDELA DISTRIBUTION

DEGREE	CANDELA					LUMENS				
	0.0	22.5	45.0	67.5	90.0					
0	469	469	469	469	469	469	469	469	469	469
5	465	465	465	464	464	464	464	464	464	44
15	429	430	430	429	429	429	429	429	429	121
25	355	359	363	358	354	354	354	354	354	164
35	239	254	270	254	239	239	239	239	239	158
45	130	142	159	142	130	130	130	130	130	112
55	68	75	79	75	68	68	68	68	68	67
65	31	34	34	34	31	31	31	31	31	34
75	11	12	13	12	11	11	11	11	11	13
85	4	4	4	4	4	4	4	4	4	4
90	0	0	0	0	0	0	0	0	0	0

ZONAL LUMEN SUMMARY

Zone	Lumens	%_Fixt
0-30	329	45.8
0-40	487	67.9
0-60	666	92.8
0-90	718	100.0
90-180	0	0.0
0-180	718	100.0



LEGEND
 0-deg - - - - -
 45-deg - - - - -
 90-deg - - - - -

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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.