

P8171 SERIES

6IN LED Square Retrofit • Wet location listed



Description:

The P8171 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 P8171 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 6" 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
- Meets California Title 24 JA8-2016

Performance:

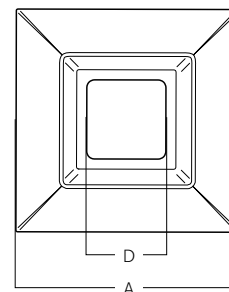
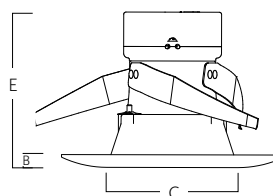
Input Power	9w
Input Voltage	120 V
Input Frequency	60 Hz
Lumens/LPW	710/78.8 (LM-79)
CCT	3000 K
CRI	90+
Life (hours)	50,000 (L70/TM-21)
EMI/RFI	FCC Title 47, Part 15 Class B
Min. Start Temp	-30 °C
Max. Operating Temp	30° C
Warranty	5 year warranty
Labels	cCSAus Wet location listed
	ENERGY STAR® qualified
	Meets California Title 24 JA8-2016

Images: P8171-09-30K



Dimensions:

- (A) Outside Square: 7"
- (B) Height: 0.31"
- (C) Inside Square: 4.25"
- (D) Light Emitting Surface (LES): 2"
- (E) Overall Ht.: 4-1/4"



Photometrics:

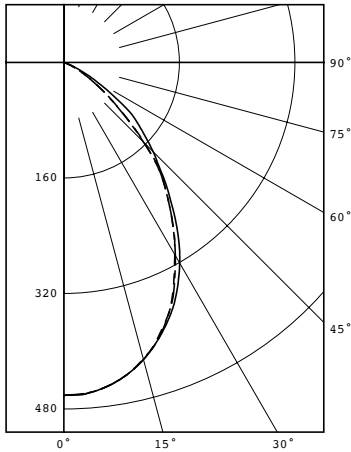
P8171-09-30K

ELECTRICAL DATA	P8171-09-30K
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

P8171-09-30K

LED Light Engine: 3000 K, 90+ CRI
 System Wattage: 9
 Fixture Delivered Lumens: 710
 Fixture Efficacy: 78.8
 Spacing Criteria: 1.04



CANDELA DISTRIBUTION

DEGREE	CANDELA					LUMENS				
	0.0	22.5	45.0	67.5	90.0					
0	461	461	461	461	461	461	461	461	461	461
5	458	458	458	458	458	458	458	458	458	43
15	425	426	426	426	426	426	426	426	426	120
25	356	360	364	360	358	358	358	358	358	165
35	260	265	271	265	260	260	260	260	260	166
45	158	172	175	174	156	156	156	156	156	129
55	60	70	93	69	60	60	60	60	60	67
65	15	18	22	18	14	14	14	14	14	19
75	0	0	1	0	0	0	0	0	0	1
85	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0

ZONAL LUMEN SUMMARY

Zone	Lumens	%_Fixt
0-30	328	46.2
0-40	493	69.5
0-60	689	97.1
0-90	710	100.0
90-180	0	0.0
0-180	710	100.0

P8171-09-30K

Dimming Notes:

P8171 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.