

# P8161 SERIES

51N LED Square Retrofit • Wet location listed



## Description:

The P8161 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 P8161 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 5" round recessed housings
- Dimmable to 10% with many Triac/Forward Phase dimmers
- Lumen output and distribution comparable to a 60W incandescent lamp
- 619 lumens.
- 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:

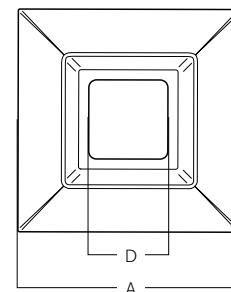
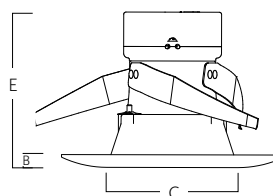
Input Power	9w
Input Voltage	120 V
Input Frequency	60 Hz
Lumens/LPW	619/68.5 (LM-79)
CCT	3000 K
CRI	90+
Life (hours)	50,000 (L70/TM-21)
EMI/RFI	FCC Title 47, Part 15 Class B
Min. Start Temp	-30 °C
Max. Operating Temp	30° C
Warranty	5 year warranty
Labels	cCSAus Wet location listed ENERGY STAR® qualified

## Images: P8161-09-30K



## Dimensions:

- (A) Outside Square: 5.75"
- (B) Height: 0.31"
- (C) Inside Square: 3.25"
- (D) Light Emitting Surface (LES): 2"
- (E) Overall Ht.: 4"



Photometrics:

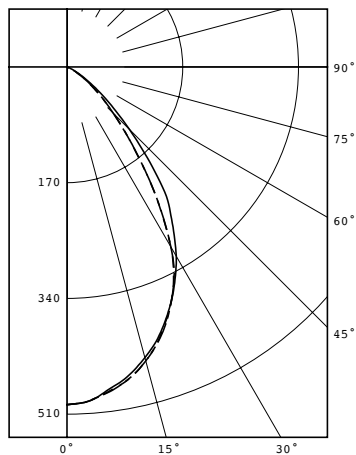
## P8161-09-30K

ELECTRICAL DATA	P8161-09-30K
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

### P8161-09-30K

LED Light Engine: 3000 K, 90+ CRI  
 System Wattage: 9  
 Fixture Delivered Lumens: 619  
 Fixture Efficacy: 68.5  
 Spacing Criteria: 1.01



### CANDELA DISTRIBUTION

DEGREE	CANDELA					LUMENS	
	0.0	22.5	45.0	67.5	90.0		
0	496	496	496	496	496	496	496
5	488	488	488	488	488	488	46
15	447	443	442	443	447	447	125
25	367	365	368	365	367	367	167
35	223	238	266	239	223	223	150
45	97	108	130	109	96	96	87
55	34	40	43	40	35	35	36
65	4	6	8	6	4	4	7
75	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0

### ZONAL LUMEN SUMMARY

Zone	Lumens	%_Fixt
0-30	338	54.6
0-40	488	78.8
0-60	612	98.8
0-90	619	100.0
90-180	0	0.0
0-180	619	100.0

## P8161-09-30K

### Dimming Notes:

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P8161 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.