

P8171 SERIES

6IN LED Square Retrofit • Wet location listed



Description:

The 6" LED Square 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 percent energy savings. The LED Recessed Square Trim is equipped with both Edison base adaptor and quick link connector allowing easy installation in many standard round incandescent recessed housings. White finish.

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 6" round recessed housings
- Dimmable to 10% with many Triac/Forward Phase dimmers
- Lumen output and distribution comparable to a 75W incandescent lamp
- 774 Lumens (delivered).
- Suitable for use in IC or NON-IC Applications
- Provided with quick link for use with E26 Edison Base adapter
- ENERGY STAR certified.
- California Title 24 - JA8 - 2016
- This product is not available for sale into the State of California.
- ENERGY STAR® qualified
- Meets California Title 24 JA8-2016

Performance:

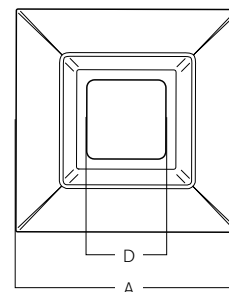
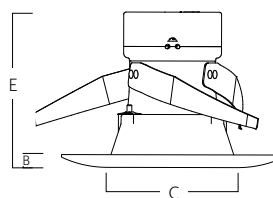
| | |
|---------------------|------------------------------------|
| Input Power | 9w |
| Input Voltage | 120 V |
| Input Frequency | 60 Hz |
| Lumens/LPW | 774/86 (LM-79) |
| CCT | 3000 K |
| CRI | 90+ |
| Life (hours) | 50,000 (L70/TM-21) |
| EMI/RFI | FCC Title 47, Part 15 Class B |
| Min. Start Temp | -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: P8171-28-30K



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:

P8171-28-30K

| ELECTRICAL DATA | P8171-28-30K |
|---|-------------------------------|
| Input Voltage | 120 V |
| Input Frequency | 60 Hz |
| Input Current | 0.078 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

P8171-28-30K

LED Light Engine: 3000 K, 90+ CRI

System Wattage: 9

Fixture Delivered Lumens: 774

Fixture Efficacy: 86

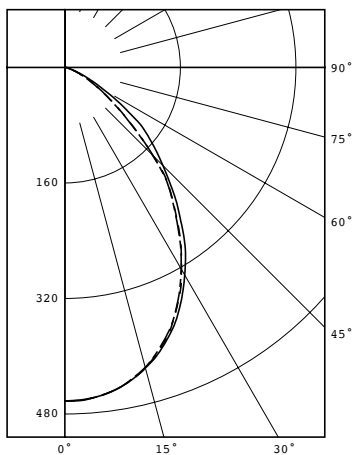
Spacing Criteria: 1.08

CANDELA DISTRIBUTION

| DEGREE | CANDELA | | | | | LUMENS | | | | |
|--------|---------|------|------|------|------|--------|-----|-----|-----|-----|
| | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 | | | | | |
| 0 | 462 | 462 | 462 | 462 | 462 | 462 | 462 | 462 | 462 | 462 |
| 5 | 459 | 459 | 459 | 459 | 459 | 459 | 459 | 459 | 459 | 43 |
| 15 | 431 | 431 | 431 | 431 | 431 | 430 | 430 | 430 | 430 | 121 |
| 25 | 367 | 370 | 373 | 369 | 366 | 170 | | | | |
| 35 | 276 | 281 | 288 | 280 | 274 | 175 | | | | |
| 45 | 172 | 188 | 192 | 188 | 173 | 141 | | | | |
| 55 | 75 | 85 | 108 | 85 | 74 | 80 | | | | |
| 65 | 27 | 31 | 35 | 31 | 27 | 32 | | | | |
| 75 | 7 | 7 | 8 | 7 | 7 | 9 | | | | |
| 85 | 2 | 2 | 2 | 2 | 2 | 2 | | | | |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |

ZONAL LUMEN SUMMARY

| Zone | Lumens | %_Fixt |
|--------|--------|--------|
| 0-30 | 334 | 43.1 |
| 0-40 | 509 | 65.8 |
| 0-60 | 731 | 94.4 |
| 0-90 | 774 | 100.0 |
| 90-180 | 0 | 0.0 |
| 0-180 | 774 | 100.0 |



P8171-28-30K

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.