

P8022 Series

LED New Construction and Remodel • Wet Location



Specifications:

Description:

The P8022 delivers a solution for flush mount and recessed applications, for both residential and commercial markets. In addition, the P8022 is wet located and is a cost effective solution for fire rated application. The P8022 features a 120V alternating current source and eliminates the need for a traditional LED driver. This modular approach results in an encapsulated luminaire that unites performance, cost and safety benefits.

Construction:

- Diffused polycarbonate lens controls direct glare from the LEDs
- Simple snap in installation for J-Box and Twist and Push for recessed housings
- Die-cast aluminum construction with a powder coat paint finish
- Can be installed in a 4" J-Box and 6", 5" and 4" recessed housing. (All hardware included)
- Lumen output and distribution comparable to a 100W incandescent lamp
- Suitable for use in IC or NON-IC Applications with 25°C (77°F) continuous room side ambient temperature.
- Provided with quick link for use with E26 Edison Base adapter

Performance:

| | |
|---------------------|---|
| Number of Modules | 1 |
| Input Power | 17W |
| Input Voltage | 120V |
| Input Frequency | 60Hz |
| Lumens/LPW | 1050/63 (LM-79) per module |
| CCT | 3000K |
| CRI | 90+ |
| Life | 42,000 (L70/TM-21) |
| EMI/RFI | FCC Title 47, Part 15, Class B |
| Min. Start Temp | -30° C |
| Max. Operating Temp | 30° C |
| Warranty | 5 yrs. |
| Labels | cCSAus classified for wet locations ENERGY STAR® qualified |

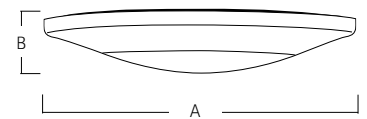
P8022-28/30K9-AC1-L10

Images:



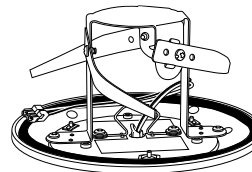
Dimensions:

| | |
|-------|-------|
| A | B |
| 7.25" | 1.21" |

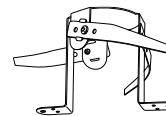


Included Mounting Options:

Recessed Mount with Quick-Link



Recessed Adapter



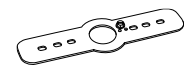
E26 Edison Base Adapter



J-Box Mount with Quick-Link



J-Box Adapter



Catalog number:

| Base | Finish | Color Temp | CRI | Voltage | Lumen Package |
|--------------|---|--------------------|-------------------|-------------------|--------------------------|
| P8022 | 20 - Bronze 28 - White 31 - Black 82 - Metallic Gray | 30K - 3000K | 9 - 90 CRI | AC1 - 120V | L10 - 1050 Lumens |

Photometrics:

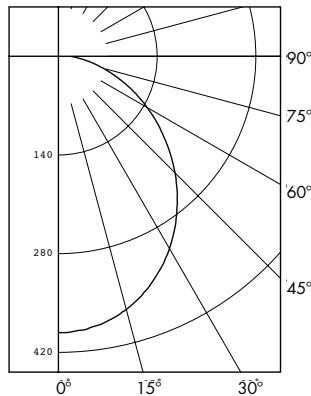
P8022-28/30K9-AC1-L10

| ELECTRICAL DATA | | P8022-28/30K9-AC1-L10 |
|---|--|-------------------------------|
| Input Voltage | | 120V |
| Input Frequency | | 60 Hz |
| Constant Current Output | | 700mA |
| Power Factor | | ≥0.90 |
| THD | | <20% |
| EMI Filtering | | FCC 47CFR 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 | | |

PERFORMANCE DATA CHART

| Single Unit, Initial Footcandles, 30" Work Plane | | | | | | | Ceiling to Floor Height (ft) | Multiple Units, Initial Footcandles, 30" Work Plane | | | | | |
|--|----|----------|----|----------|----|----------|---------------------------------|---|----------|----|----------|----|----------|
| Nadir | | 10° | | 20° | | 30° | | Spacing is Maximum Over Work Plane, SMH= 1.2 | | | | | |
| FC | FC | Dia (ft) | FC | Dia (ft) | FC | Dia (ft) | | FC | Dia (ft) | FC | Dia (ft) | FC | Dia (ft) |
| 32 | 30 | 1 | 24 | 3 | 17 | 4 | 6 | 4.0 | 53 | 37 | 30 | | |
| 13 | 12 | 2 | 10 | 4 | 7 | 6 | 8 | 7.0 | 21 | 15 | 12 | | |
| 6 | 6 | 3 | 5 | 6 | 3 | 9 | 10.5 | 10.0 | 10 | 7 | 6 | | |
| 4 | 4 | 3 | 3 | 7 | 2 | 11 | 12 | 11.0 | 7 | 5 | 4 | | |

P8022-28/30K9-AC1-L10
 LED Light Engine: 3000K, 90 CRI
 System Wattage: 16.4
 Fixture delivered lumens: 1032
 Fixture Efficacy: 63.0
 Spacing Criteria: 1.2



CANDELA DISTRIBUTION

| DEG | CANDELA |
|-----|---------|
| 0 | 392 |
| 5 | 390 |
| 15 | 372 |
| 25 | 337 |
| 35 | 290 |
| 45 | 234 |
| 45 | 175 |
| 55 | 117 |
| 65 | 66 |
| 75 | 28 |
| 90 | 16 |

Test No. 14.00618 2768255-4
 Tested at 25° Ambient in accordance to IESNA LM-79-2008

ZONAL LUMEN SUMMARY

| ZONE | LUMENS | %LUMINAIRE |
|------|--------|------------|
| 0-30 | 297 | 28.8 |
| 0-40 | 478 | 46.3 |
| 0-60 | 814 | 78.9 |
| 0-90 | 1032 | 100.0 |

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method

| Room Cavity Ratio | % Effective Ceiling Cavity Reflectance | | | | | | | | | | | | | | | |
|-------------------|--|-----|----|----|-----|----|----|----|-----|----|----|----|-----|--|--|--|
| | 80% | | | | 70% | | | | 50% | | | | 30% | | | |
| | 20% Effective Floor Cavity Reflectance | | | | | | | | | | | | | | | |
| | % Wall Reflectance | | | | | | | | | | | | | | | |
| | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | | | | |
| 1 | 108 | 104 | 99 | 95 | 106 | 94 | 97 | 94 | 93 | 90 | | | | | | |
| 3 | 90 | 80 | 71 | 65 | 88 | 64 | 75 | 69 | 72 | 67 | | | | | | |
| 5 | 76 | 63 | 54 | 48 | 74 | 47 | 60 | 53 | 58 | 52 | | | | | | |
| 7 | 65 | 52 | 43 | 37 | 64 | 37 | 50 | 42 | 48 | 41 | | | | | | |
| 9 | 57 | 44 | 35 | 30 | 56 | 30 | 42 | 35 | 41 | 34 | | | | | | |

P8022-28/30K9-AC1-L10

Test No. 14.00618 2768255-4

Dimming Notes:

P8022-28/30K9-AC1-L10

P8022 is designed to be compatible with many Electronic Low Voltage (ELV-Reverse Phase) controls. LED rated dimmer controls may offer favorable dimming performance. The following is a partial list of known compatible dimmer controls:

Electronic Low Voltage ELV Reverse Phase Controls

| | | |
|---------|----------------|--------------------------|
| Leviton | Renoir II | AWRMG-EAW |
| Lutron | Diva Series | (Part Number DVELV-300) |
| Lutron | Maestro Series | (Part Number MAELV-600) |
| Lutron | Nova T Series | (Part Number NTELV-300) |
| Lutron | Spacer Series | (Part Number SPSELV-600) |
| Lutron | Vierti Series | (Part Number VTELV-600) |

LED Rated Controls

| | |
|----------------|-----------------------------|
| Pass & Seymour | (Part Number DCL453PTCCCV6) |
|----------------|-----------------------------|

Incandescent Digital type dimmers are not recommended.

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.

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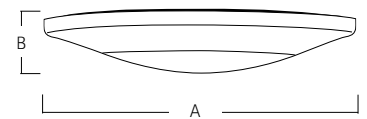
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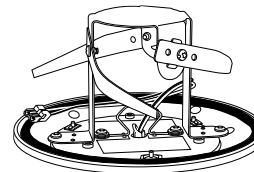
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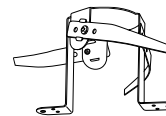


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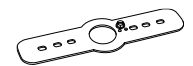
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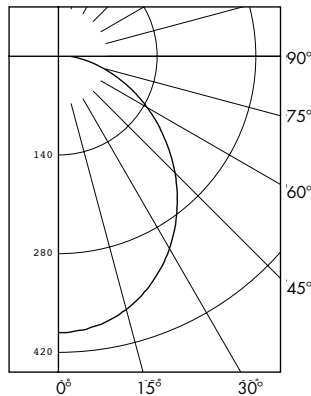
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