

NLOPAC-R7MS

7" AC Opal - Surface Mounted LED with PIR Motion Sensor

Source: 15W LED
1000lm

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

The AC Opal LED Series LED fixture is designed to surface mount over a standard junction box. The low profile luminaire produces even illumination and integral PIR sensor activates when motion is detected. After 3 minutes of no motion, the fixture automatically turns off.

FEATURES

- Integral PIR Motion Sensor
- AC LED (No Driver)
- 3000K or 4000K @ 90+ CRI
- Mount on standard junction box
- Can be used with recessed housings when used with optional retrofit kit
- ENERGY STAR certified
- cETLus Listed for Wet Locations

SPECIFICATION

Construction: One piece die-cast aluminum formed luminaire. Aluminum body dissipates heat and extends life. Polycarbonate lens with integrated PIR motion sensor.

Mounting: AC Opal (no driver) is flat on the back and suitable for installation on or over most standard junction boxes.

PIR Motion Sensor: PIR (passive infrared) motion sensor for easy on/off operation. The sensor activates when motion is detected. After 3 minutes of no motion, the fixture automatically turns off. PIR sensor can detect motion up to 16' diameter away (unobstructed) when mounted at 8'.

Ratings: IC rated when used with a electrical junction box rated for direct contact with insulation. Fire rated when used with a fire rated junction box.

ELECTRICAL

Input Voltage: 120V

Input Frequency: 50/60Hz

Lumens / Wattage: 1000lm / 15W

Color Temperature: 3000K or 4000K

CRI: 90+

Operating temperature: -20°C to 45°C

Dimming: Non-Dimmable

RETROFIT KIT

NLOPAC-56RECKIT: Opal can be mounted in 5" or 6" recessed housings using optional torsion spring kit.

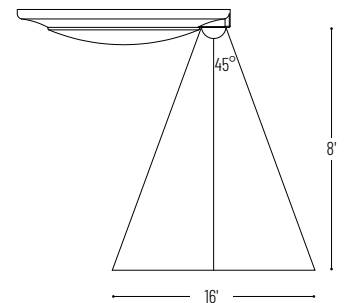
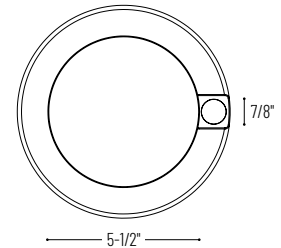
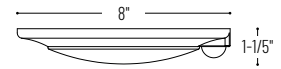


LISTING

- cETLus Listed for wet locations
- ENERGY STAR certified
- 5-Year Limited Warranty
- Suitable for use in closets when installed in accordance to NEC Section 410.16 (C)(1)



PRODUCT IMAGES AND DIMENSIONS



Range of Motion Sensor
(not to scale)

7" AC Opal with PIR Motion Sensor

| Size / Lumens / Wattage | Color Temperature / CRI | Finish |
|---------------------------------|--|-----------|
| NLOPAC-R7MS = 7" / 1000lm / 15W | 30 = 3000K / 90 CRI 40 = 4000K / 90 CRI | W = White |

Optional Accessory

| Description |
|--|
| NLOPAC-56RECKIT = Torsion Spring Kit / Recessed Retrofit Kit |

Example: **NLOPAC-R7MS30W** = 7" AC Opal with PIR Motion Sensor, 1000lm / 15W, 3000K / 90 CRI, White finish

PHOTOMETRICS

7" AC Opal - Surface Mounted LED with PIR Motion Sensor

Type

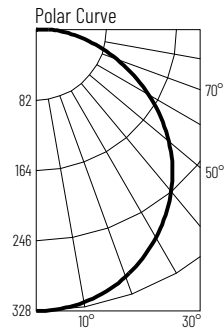
Project

Catalog No.

Notes

Test Information

Test Number: NTR1189R1
Part Number: NLOPAC-R7MS30W
Lumens: 1044lm
Wattage: 14.5W
Efficacy: 72lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180): 1.28
Spacing Criteria (90°-270): 1.28



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 2' | 81.9fc | 6'-5" |
| 4' | 20.5fc | 12'-11" |
| 6' | 9.1fc | 19'-4" |
| 8' | 5.1fc | 25'-10" |
| 10' | 3.3fc | 32'-2" |

Zonal Lumen Summary

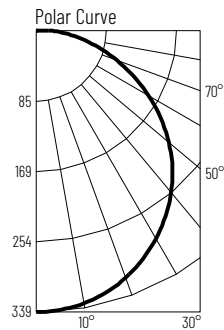
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 211 | 20.2 |
| 0-40 | 353 | 33.8 |
| 0-60 | 733 | 70.3 |
| 0-90 | 1011 | 96.9 |
| 90-180 | 33 | 3 |
| 0-180 | 1044 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 328 |
| 5 | 326 |
| 15 | 315 |
| 25 | 294 |
| 35 | 264 |
| 45 | 226 |

Test Information

Test Number: NTR1153R2
Part Number: NLOPAC-R7MS40W
Lumens: 1054lm
Wattage: 14.22W
Efficacy: 74lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180): 1.28
Spacing Criteria (90°-270): 1.28



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 2' | 84.7fc | 6'-4" |
| 4' | 21.2fc | 12'-8" |
| 6' | 9.4fc | 19' |
| 8' | 5.3fc | 25'-5" |
| 10' | 3.4fc | 31'-8" |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 264 | 25.1 |
| 0-40 | 435 | 41.3 |
| 0-60 | 779 | 73.9 |
| 0-90 | 1031 | 97.8 |
| 90-180 | 23 | 2.2 |
| 0-180 | 1054 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 339 |
| 5 | 338 |
| 15 | 326 |
| 25 | 304 |
| 35 | 273 |
| 45 | 233 |