

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 (0.5W stand by power)

Color Temperature: 3000K or 4000K

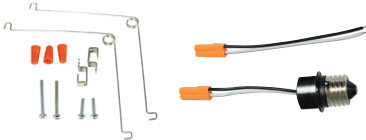
CRI: 90+

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.

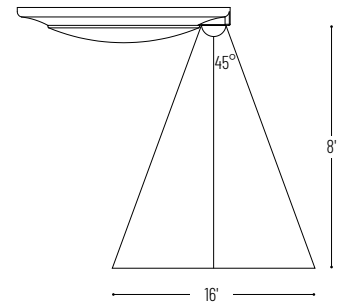
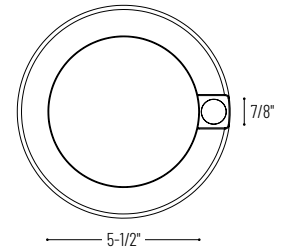
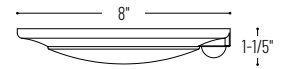


LISTING

- 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 (A)(1) and 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

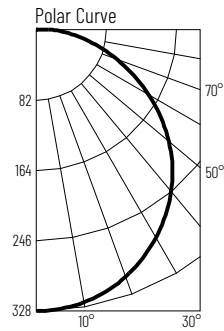
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Notes

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

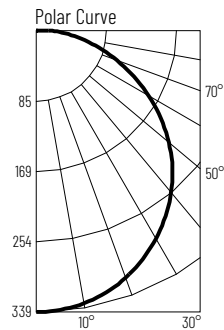
Zone	Lumens	% Luminaire
0-30	211	20.2
0-40	353	33.8
0-60	733	70.3
0-90	1011	96.9
90-180	33	3
0-180	1044	100

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