

# NLOPAC-R6509T24

6" AC Opal - LED Surface Mount

Source: 16.5W  
1100lm

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 dimmable luminaire produces even illumination and is cETLus listed for wet locations.

## FEATURES

- AC LED (No Driver)
- Dimmable
- 2700K, 3000K, 4000K or 5000K @ 90+ CRI
- White, bronze or natural metal finishes
- Mount on standard 4" junction box
- ENERGY STAR certified

## SPECIFICATION

**Construction:** One piece aluminum die formed housing and trim. Aluminum body dissipates heat and extends life.

**Mounting:** Surface mount luminaire is compatible with 3" or 4" junction boxes and 1/2" deep pancake boxes for ceiling or wall mount applications. Luminaires can also be mounted on 5" or 6" recessed housings using optional torsion spring kit (NLOPAC-56RECKIT).

**Optics:** Nora specified and designed precision molded lens for optimal lumen output and even distribution.

**Finishes:** Available in white, bronze and natural metal finishes.

**Ratings:** IC rated when used with a 4" electrical junction box rated for direct contact with insulation. Fire rated when used with a fire rated junction box.

## ELECTRICAL

**Input Voltage:** 120V

**Operating temperature:** 0-45°C

**Lumens / Wattage:** 1100lm / 16.5W

**Color Temperature:** 2700K, 3000K, 4000K, 5000K

**CRI:** 90+

**Lifetime:** 50,000 hours @ L70

**Dimming:** 5% with Triac or 10% with ELV

[Click Here](#) or check complete dimmer list at [www.NoraLighting.com](http://www.NoraLighting.com) in the "Compatibility" page under "Resources" tab

## ACCESSORIES

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

**NLOPAC-4BKT-2:** Universal bracket for mounting to 3" or 4" junction boxes.

## LISTING

- cETLus Listed for wet locations
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- Certified to the high efficacy requirements of California Title 24 JA8-2019
- Suitable for use in closets when installed in accordance to NEC Section 410.16 (A)(1) and 410.16 (C)(1)
- FCC Certified



## PRODUCT IMAGES AND DIMENSIONS



**NLOPAC-56RECKIT**  
Retrofit Kit for 5" or 6" Recessed Housings



**NLOPAC-4BKT-2**  
Universal Bracket for 3" or 4" Junction Boxes

## 6" AC Opal - LED Surface Mount

Lumens / Wattage	Color Temperature	Finish
<b>NLOPAC-R6509T24</b> = 1100lm / 16.5W	<b>27</b> = 2700K	<b>BZ</b> = Bronze
	<b>30</b> = 3000K	<b>NM</b> = Natural Metal
	<b>40</b> = 4000K	<b>W</b> = White
	<b>50</b> = 5000K (white finish only)	

## Optional Accessories

Description
<b>NLOPAC-56RECKIT</b> = Retrofit Kit for 5" or 6" Recessed Housings
<b>NLOPAC-4BKT-2</b> = Universal Bracket for 3" or 4" Junction Boxes

Example: **NLOPAC-R6509T2430W** = 6" AC Opal, 1100lm / 16.5W, 3000K, White finish

# PHOTOMETRICS

## 6" AC Opal Series - LED Surface Mount

Type

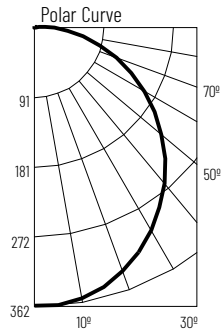
Project

Catalog No.

Notes

### Test Information

Test Number: NTR1452  
 Part Number: NLOPAC-R6509T2427W  
 Beam Spread: 113° Wide Flood  
 Lumens: 1109lm  
 Wattage: 15.48W  
 Efficacy: 72lpw  
 CCT / CRI: 2700K / 90 CRI  
 Spacing Criteria (0°-180): 1.24  
 Spacing Criteria (90°-270): 1.26



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	22.6fc	12'-1"
6'	10.1fc	18'-2"
8'	5.7fc	24'-4"
10'	3.6fc	30'-4"
12'	2.5fc	36'-5"

### Zonal Lumen Summary

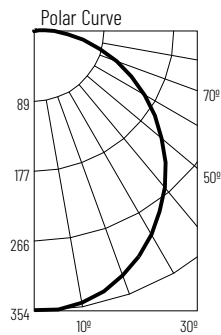
Zone	Lumens	% Luminaire
0-30	279	25.2
0-40	456	41.1
0-60	808	72.8
0-90	1084	97.8
90-180	25	2.2
0-180	1109	100

### Candela Table

Vertical Angles	Candela
0	362
5	361
15	347
25	319
35	282
45	238

### Test Information

Test Number: NTR1453  
 Part Number: NLOPAC-R6509T2430W  
 Beam Spread: 112° Wide Flood  
 Lumens: 1069lm  
 Wattage: 14.64W  
 Efficacy: 73lpw  
 CCT / CRI: 3000K / 90 CRI  
 Spacing Criteria (0°-180): 1.24  
 Spacing Criteria (90°-270): 1.26



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	22.1fc	11'-10"
6'	9.8fc	17'-10"
8'	5.5fc	23'-8"
10'	3.5fc	29'-7"
12'	2.5fc	35'-6"

### Zonal Lumen Summary

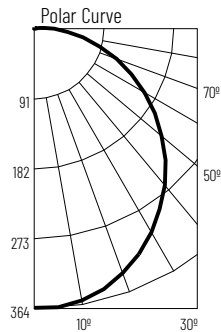
Zone	Lumens	% Luminaire
0-30	272	25.5
0-40	444	41.5
0-60	784	73.4
0-90	1046	97.9
90-180	23	2.1
0-180	1069	100

### Candela Table

Vertical Angles	Candela
0	354
5	352
15	338
25	311
35	274
45	231

### Test Information

Test Number: NTR1454  
 Part Number: NLOPAC-R6509T2440W  
 Beam Spread: 113° Wide Flood  
 Lumens: 1122lm  
 Wattage: 14.51W  
 Efficacy: 77lpw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180): 1.26  
 Spacing Criteria (90°-270): 1.26



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	22.7fc	12'-1"
6'	10.1fc	18'-2"
8'	5.7fc	24'-4"
10'	3.6fc	30'-4"
12'	2.5fc	36'-5"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	280	25
0-40	458	40.8
0-60	814	72.6
0-90	1096	97.7
90-180	26	2.3
0-180	1122	100

### Candela Table

Vertical Angles	Candela
0	363
5	360
15	347
25	320
35	284
45	240