

# NLOPAC-R4509T24

4" AC Opal - LED Surface Mount

Source: 10.5W  
700lm

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.

**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.

**Retrofit:** Each luminaire includes a retrofit kit with medium base socket adapter to mount over 4" recessed housings. Kit also includes torsion blades that hold luminaire flush against ceiling. Retrofit kit is intended to be used with a lighting fixture as a lamp replacement.

## ELECTRICAL

**Input Voltage:** 120V

**Lumens / Wattage:** 700lm / 10.5W

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

**Color Rendering Index:** 90+

**Operating Temperature:** 0°-45°C

**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

## LISTING

- cETLus Listed for wet locations
- cETLus classified for retrofit
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- Suitable for use in closets when installed in accordance to NEC Section 410.16 (A)(1) and 410.16 (C)(1)
- FCC Compliant



## Performance Data

Part Number	Lumens	CCT
<b>NLOPAC-R4509T2427W</b>	713lm	2700K
<b>NLOPAC-R4509T2430W</b>	700lm	3000K
<b>NLOPAC-R4509T2440W</b>	720lm	4000K
<b>NLOPAC-R4509T2450W</b>	709lm	5000K

## PRODUCT IMAGES AND DIMENSIONS



## 4" AC Opal - LED Surface Mount

Size / Lumens / Wattage	Color Temperature	Finish
<b>NLOPAC-R4509T24</b> = 4" / 700lm / 10.5W	<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)	

Example: **NLOPAC-R4509T2430W** = 4" AC Opal, 700lm / 10.5W, 3000K, White finish

# PHOTOMETRICS

## 4" AC Opal Series - LED Surface Mount

Type

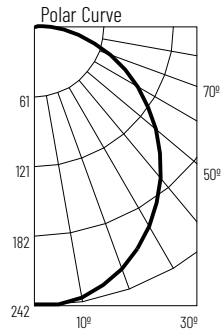
Project

Catalog No.

Notes

### Test Information

Test Number: NTR1499  
 Part Number: NLOPAC-R4509T2427W  
 Beam Spread: 110° Wide Flood  
 Lumens: 713lm  
 Wattage: 9.58W  
 Efficacy: 74lpw  
 CCT / CRI: 2700K / 90 CRI  
 Spacing Criteria (0°-180°): 1.24  
 Spacing Criteria (90°-270°): 1.24



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	15.1fc	11'-4"
6'	6.7fc	17'
8'	3.8fc	22'-8"
10'	2.4fc	28'-5"
12'	1.7fc	34'

### Zonal Lumen Summary

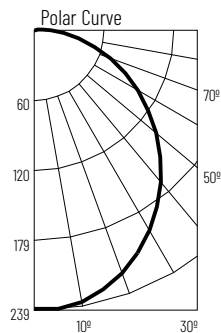
Zone	Lumens	% Luminaire
0-30	185	26
0-40	301	42.3
0-60	529	74.2
0-90	701	98.4
90-180	11	1.6
0-180	713	100

### Candela Table

Vertical Angles	Candela
0	242
5	241
15	231
25	211
35	185
45	155

### Test Information

Test Number: NTR1450  
 Part Number: NLOPAC-R4509T2430W  
 Beam Spread: 109° Wide Flood  
 Lumens: 700lm  
 Wattage: 9.85W  
 Efficacy: 71lpw  
 CCT / CRI: 3000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.24  
 Spacing Criteria (90°-270°): 1.24



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	15fc	11'-2"
6'	6.7fc	16'-10"
8'	3.7fc	22'-4"
10'	2.4fc	27'-11"
12'	1.7fc	33'-6"

### Zonal Lumen Summary

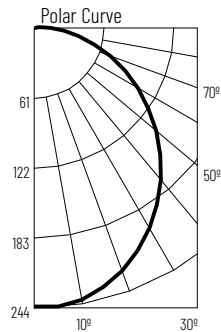
Zone	Lumens	% Luminaire
0-30	183	26.2
0-40	297	42.5
0-60	519	74.2
0-90	687	98.2
90-180	13	1.8
0-180	700	100

### Candela Table

Vertical Angles	Candela
0	240
5	239
15	228
25	208
35	182
45	151

### Test Information

Test Number: NTR1451  
 Part Number: NLOPAC-R4509T2440W  
 Beam Spread: 110° Wide Flood  
 Lumens: 720lm  
 Wattage: 9.65W  
 Efficacy: 75lpw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.24  
 Spacing Criteria (90°-270°): 1.24



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	15.2fc	11'-5"
6'	6.8fc	17'
8'	3.8fc	22'-8"
10'	2.4fc	28'-5"
12'	1.7fc	34'-1"

### Zonal Lumen Summary

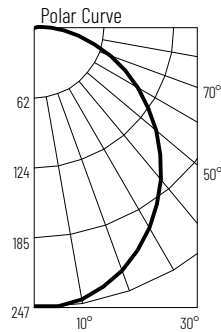
Zone	Lumens	% Luminaire
0-30	187	25.9
0-40	304	42.2
0-60	533	74
0-90	707	98.3
90-180	12	1.7
0-180	720	100

### Candela Table

Vertical Angles	Candela
0	243
5	242
15	232
25	212
35	186
45	156

### Test Information

Test Number: NTR1765R1  
 Part Number: NLOPAC-R4509T2450W  
 Beam Spread: 108° Wide Flood  
 Lumens: 709lm  
 Wattage: 9.64W  
 Efficacy: 74lpw  
 CCT / CRI: 5000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.22  
 Spacing Criteria (90°-270°): 1.24



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	15.4fc	11'
6'	6.8fc	16'-6"
8'	3.8fc	22'
10'	2.5fc	27'-6"
12'	1.7fc	33'

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	156	22
0-40	257	36.3
0-60	516	72.9
0-90	698	98.5
90-180	11	1.5
0-180	709	100

### Candela Table

Vertical Angles	Candela
0	246
5	244
15	233
25	214
35	187
45	154