

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, black, 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, black, 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 in the "Compatibility" page under "Resources" tab

LISTING

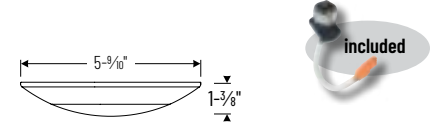
- cETLus Listed for wet locations
- cETLus classified for retrofit
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- Suitable for use in closets when installed in accordance to NEC Section 410.16 (A)(1) and 410.16 (C)(1)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



Performance Data

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

PRODUCT IMAGES AND DIMENSIONS



B
Black



BZ
Bronze



NM
Natural Metal



W
White

4" AC Opal - LED Surface Mount

Size / Lumens / Wattage	Color Temperature	Finish
NLOPAC-R4509T24 = 4" / 700lm / 10.5W	27 = 2700K	B = Black (3000K only)
	30 = 3000K	BZ = Bronze
	40 = 4000K	NM = Natural Metal
	50 = 5000K (white finish only)	W = White

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

PHOTOMETRICS

4" AC Opal Series - LED Surface Mount

Type

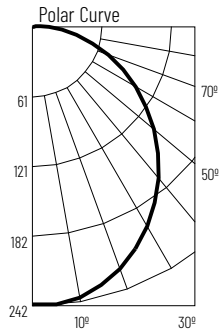
Project

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

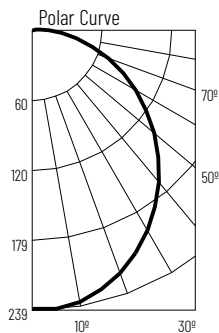
Zone	Lumens	% Luminaire
0-30	185	26
0-40	301	42.3
0-60	529	74.2
0-90	701	98.4
90-180	11	1.6
0-180	713	100

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

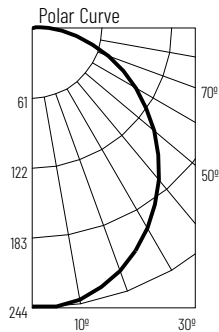
Zone	Lumens	% Luminaire
0-30	183	26.2
0-40	297	42.5
0-60	519	74.2
0-90	687	98.2
90-180	13	1.8
0-180	700	100

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

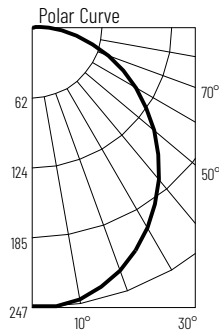
Zone	Lumens	% Luminaire
0-30	187	25.9
0-40	304	42.2
0-60	533	74
0-90	707	98.3
90-180	12	1.7
0-180	720	100

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