

NLOPAC-R6509T24

6" AC Opal - LED Surface Mount

Source: 16.5W

Up to 1150lm

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
- Retrofit kit included for 5" or 6" recessed housings
- 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 retrofit over 5" or 6" recessed housings with retrofit kit (included).

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 5" or 6" recessed housings. Kit also includes torsion spring brackets 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: Up to 1150lm / 16.5W

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

Color Rendering Index: 90+ CRI

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

ACCESSORIES

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

LISTING

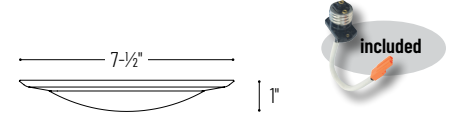
- cETLus Listed for wet locations
- cETLus classified for retrofit
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- Suitable for use in closets when installed in accordance to NEC Section 410.16 (A)(1) and 410.16 (C)(1)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



Performance Data

Part Number	Lumens	CCT
NLOPAC-R6509T2427W	1109lm	2700K
NLOPAC-R6509T2430W	1069lm	3000K
NLOPAC-R6509T2440W	1122lm	4000K
NLOPAC-R6509T2450W	1154lm	5000K

PRODUCT IMAGES AND DIMENSIONS



NLOPAC-4BKT-2

Universal Bracket for 3" or 4" Junction Boxes

6" AC Opal - LED Surface Mount

Color Temperature / Finish

- NLOPAC-R6509T2427BZ** = 2700K / Bronze
- NLOPAC-R6509T2427NM** = 2700K / Natural Metal
- NLOPAC-R6509T2427W** = 2700K / White
- NLOPAC-R6509T2430B** = 3000K / Black
- NLOPAC-R6509T2430BZ** = 3000K / Bronze (Discontinued, direct replacement: [NLOPAC-R6TWB](#))
- NLOPAC-R6509T2430NM** = 3000K / Natural Metal
- NLOPAC-R6509T2430W** = 3000K / White
- NLOPAC-R6509T2440BZ** = 4000K / Bronze (Discontinued, direct replacement: [NLOPAC-R6TWB](#))
- NLOPAC-R6509T2440NM** = 4000K / Natural Metal
- NLOPAC-R6509T2440W** = 4000K / White
- NLOPAC-R6509T2450W** = 5000K / White

Example: **NLOPAC-R6509T2450W** = 6" AC Opal, 1150lm / 16.5W, 5000K, White finish

Optional Accessories

Description

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

PHOTOMETRICS

6" AC Opal Series - LED Surface Mount

Type

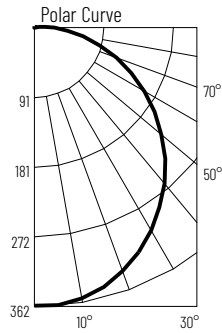
Project

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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

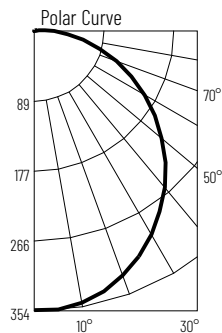
Zone	Lumens	% Luminaire
0-30	279	25.2
0-40	456	41.1
0-60	808	72.8
0-90	1084	97.8
90-180	25	2.2
0-180	1109	100

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°): 1.24



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

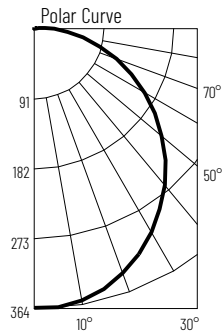
Zone	Lumens	% Luminaire
0-30	272	25.5
0-40	444	41.5
0-60	784	73.4
0-90	1046	97.9
90-180	23	2.1
0-180	1069	100

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

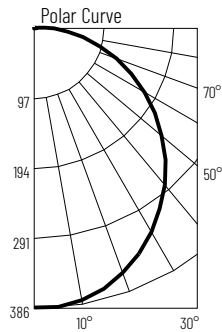
Zone	Lumens	% Luminaire
0-30	280	25
0-40	458	40.8
0-60	814	72.6
0-90	1096	97.7
90-180	26	2.3
0-180	1122	100

Candela Table

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

Test Information

Test Number: NTR1766R1
 Part Number: NLOPAC-R6509T2450W
 Beam Spread: 111° Wide Flood
 Lumens: 1154lm
 Wattage: 14.66W
 Efficacy: 79lpw
 CCT / CRI: 5000K / 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'	24.2fc	11'-8"
6'	10.8fc	17'-7"
8'	6.1fc	23'-5"
10'	3.9fc	29'-4"
12'	2.7fc	35'-1"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	298	25.9
0-40	486	42.1
0-60	855	74.1
0-90	1133	98.2
90-180	21	1.8
0-180	1154	100

Candela Table

Vertical Angles	Candela
0	388
5	386
15	371
25	343
35	301
45	252