

NLOPAC2-R6509T24

6" AC Opal 2 - LED Surface Mount

Source: 16.5W

Up to 1100lm

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

The AC Opal LED Series 2 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
- Black or White finish
- Retrofit kit included for 5" or 6" recessed housings
- ENERGY STAR certified

SPECIFICATION

Construction: One piece steel die formed housing and trim. Steel body dissipates heat and extends life.

Mounting: Surface mount luminaire is compatible with 3" or 4" junction boxes, 30 boxes, and 1/2" deep pancake boxes for ceiling or wall mount applications. Luminaires can also be retrofitted over 5" or 6" recessed housings with retrofit kit (included). See [instruction sheet](#) for junction box compatibility.

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

Finishes: Available in black or white.

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 1100lm / 16.5W

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

Color Rendering Index: 90+ CRI

Operating temperature: 0-30°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 to Standard 47 CFR Part 15 Subpart B



Performance Data

Part Number	Lumens	CCT
NLOPAC2-R6509T2427W	1034lm	2700K
NLOPAC2-R6509T2430W	1072lm	3000K
NLOPAC2-R6509T2440W	1100lm	4000K
NLOPAC2-R6509T2450W	1082lm	5000K

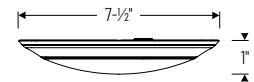
PRODUCT IMAGES AND DIMENSIONS



NLOPAC2-R6509T24xxB
Black Finish



NLOPAC2-R6509T24xxW
White Finish



6" AC Opal 2 - LED Surface Mount

Color Temperature	Finish
NLOPAC2-R6509T2427 = 2700K	B = Black
NLOPAC2-R6509T2430 = 3000K	W = White
NLOPAC2-R6509T2440 = 4000K	
NLOPAC2-R6509T2450 = 5000K (white finish only)	

Example: **NLOPAC2-R6509T2440W** = 6" AC Opal 2, 1100lm / 16.5W, 4000K, White finish

PHOTOMETRICS

6" AC Opal 2 - LED Surface Mount

Type

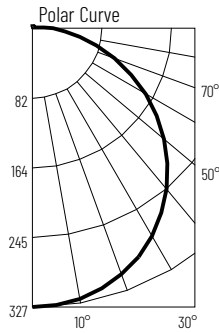
Project

Catalog No.

Notes

Test Information

Test Number: NTS221R1
 Part Number: NLOPAC2-R6509T2427W
 Beam Spread: 116° Wide Flood
 Lumens: 1034lm
 Wattage: 16.35W
 Efficacy: 63lpw
 CCT / CRI: 2700K / 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
4'	20.5fc	12'-10"
6'	9.1fc	19'-4"
8'	5.1fc	25'-8"
10'	3.3fc	32'-1"
12'	2.3fc	38'-6"

Zonal Lumen Summary

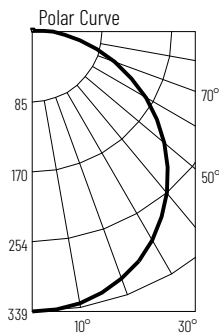
Zone	Lumens	% Luminaire
0-30	256	24.8
0-40	421	40.7
0-60	753	72.9
0-90	1006	97.3
90-180	28	2.7
0-180	1034	100

Candela Table

Vertical Angles	Candela
0	327
5	361
15	316
25	296
35	265
45	224

Test Information

Test Number: NTS222R1
 Part Number: NLOPAC2-R6509T2430W
 Beam Spread: 116° Wide Flood
 Lumens: 1072lm
 Wattage: 16.49W
 Efficacy: 65lpw
 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
4'	21.2fc	12'-10"
6'	9.42fc	19'-4"
8'	5.3fc	25'-8"
10'	3.4fc	32'-1"
12'	2.4fc	38'-6"

Zonal Lumen Summary

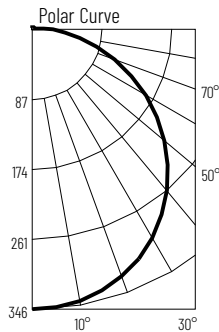
Zone	Lumens	% Luminaire
0-30	266	24.8
0-40	437	40.7
0-60	781	72.9
0-90	1043	97.3
90-180	29.4	2.7
0-180	1072	100

Candela Table

Vertical Angles	Candela
0	339
5	338
15	328
25	307
35	274
45	232

Test Information

Test Number: NTS223R1
 Part Number: NLOPAC2-R6509T2440W
 Beam Spread: 116° Wide Flood
 Lumens: 1100lm
 Wattage: 16.17W
 Efficacy: 68lpw
 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
4'	21.8fc	12'-10"
6'	9.7fc	19'-4"
8'	5.4fc	25'-8"
10'	3.5fc	32'-1"
12'	2.4fc	38'-6"

Zonal Lumen Summary

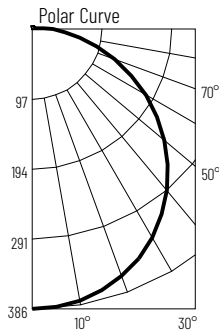
Zone	Lumens	% Luminaire
0-30	272	24.8
0-40	448	40.7
0-60	802	72.9
0-90	1070	97.3
90-180	30	2.7
0-180	1100	100

Candela Table

Vertical Angles	Candela
0	348
5	347
15	336
25	315
35	282
45	239

Test Information

Test Number: NTS224R1
 Part Number: NLOPAC2-R6509T2450W
 Beam Spread: 116° Wide Flood
 Lumens: 1082lm
 Wattage: 16.26W
 Efficacy: 67lpw
 CCT / CRI: 5000K / 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
4'	21.4fc	12'-10"
6'	9.5fc	19'-4"
8'	5.4fc	25'-8"
10'	3.4fc	32'-1"
12'	2.4fc	38'-6"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	268	24.8
0-40	441	40.7
0-60	788	72.9
0-90	1052	97.3
90-180	30	2.7
0-180	1082	100

Candela Table

Vertical Angles	Candela
0	342
5	341
15	331
25	309
35	277
45	235