

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 available for 5" or 6" recessed housings (not included)
- 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, 3" O boxes, and 1/2" deep pancake boxes for ceiling or wall mount applications (See [instruction sheet](#) for junction box compatibility).
Luminaires can also be retrofit over 5" or 6" recessed housings with retrofit kit (not included).

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.

OPTIONAL ACCESSORY

NLOPAC-56RECKIT-2: Retrofit Kit with Torsion Spring Kit for 5" or 6" recessed housings (sold separately)

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

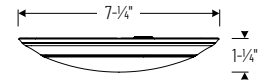
PRODUCT IMAGES AND DIMENSIONS



NLOPAC2-R6509T24xxB
Black Finish



NLOPAC2-R6509T24xxW
White Finish



NLOPAC-56RECKIT-2
Retrofit Kit for 5" or 6" Recessed Housings
(not included, sold separately)

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)	

Optional Accessory

Description
NLOPAC-56RECKIT-2 = Retrofit Kit for 5" or 6" Recessed Housings

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

PHOTOMETRICS

6" AC Opal 2 - LED Surface Mount

Type

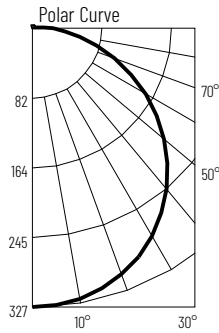
Project

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

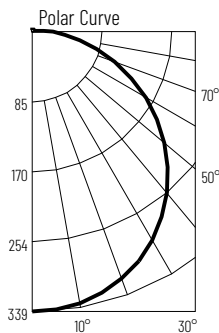
Zone	Lumens	% Luminaire
0-30	256	24.8
0-40	421	40.7
0-60	753	72.9
0-90	1006	97.3
90-180	28	2.7
0-180	1034	100

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

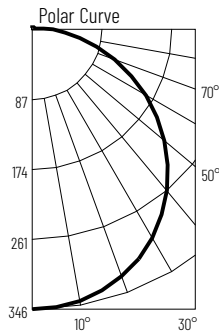
Zone	Lumens	% Luminaire
0-30	266	24.8
0-40	437	40.7
0-60	781	72.9
0-90	1043	97.3
90-180	29.4	2.7
0-180	1072	100

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

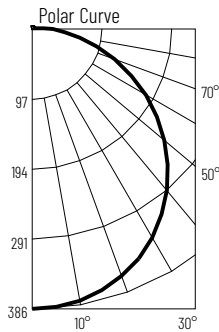
Zone	Lumens	% Luminaire
0-30	272	24.8
0-40	448	40.7
0-60	802	72.9
0-90	1070	97.3
90-180	30	2.7
0-180	1100	100

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