# 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
- Black or White finish
- Retrofit Kit available for 5" or 6" recessed housings (not included)

**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 ½" 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.

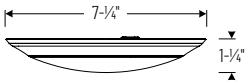
**ELECTRICAL**
**Input Voltage:** 120V
**Lumens / Wattage:** Up to 1100lm / 16.5W
**Color Temperature:** 2700K, 3000K, 4000K, 5000K
**Color Rendering Index:** 90+ CRI
**Operating temperature:** 0-30°C
**Lifetime:** 50,000 hours @ L70
**Dimming:** 5% with Triac or 10% with ELV
Click Here or check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab

**OPTIONAL ACCESSORIES**
NLOPAC-56RECKIT-2: Retrofit Kit with Torsion Spring Kit for 5" or 6" recessed housings (sold separately)
NEPK-23LEDUNV: 23W Emergency with Remote Test Switch
NEPK-23LEDUNV-JB: 23W Emergency Kit w/Test Switch
NEPKA-20/23LEDRTS: Ribbon Test Switch for NEPK-23LEDUNV

**LISTING**
- cETLus Listed for wet locations
- cETLus classified for retrofit
- 5-Year Limited Warranty
- Certified to the high efficacy requirements of California Title 24 JA8-2025
- 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**

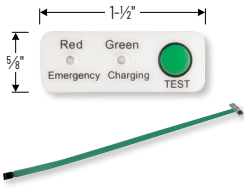


**NLOPAC2-R6509T24xxB**
Black Finish

**NLOPAC2-R6509T24xxW**
White Finish

**NEPK-23LEDUNV**
Emergency Driver
with Remote Test Switch

**NEPK-23LEDUNV-JB**
Emergency Driver Kit
with Remote Test Switch




**NEPKA-20/23LEDRTS**
Ribbon Test Switch for
NEPK-23LEDUNV

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

## 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 Accessories

| Description |
|---|
| **NLOPAC-56RECEKIT-2** = Retrofit Kit for 5" or 6" Recessed Housings |
| **NEPK-23LEDUNV** = 23W Emergency LED Driver w/ Remote Test Switch |
| **NEPK-23LEDUNV-JB** = 23W Emergency LED Driver Kit w/ Test Switch |
| **NEPKA-20/23LEDRTS** = Ribbon Test Switch for NEPK-23LEDUNV |

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

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# PHOTOMETRICS

6" AC Opal 2 - LED Surface Mount

**Type**

**Project**

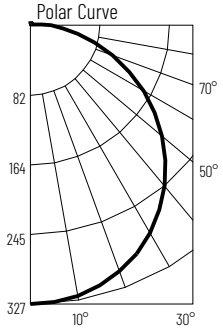
**Catalog No.**

**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

Polar Curve




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 |

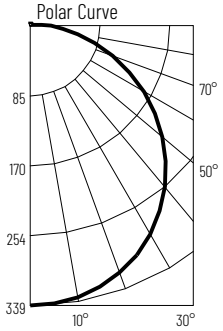
Candela Table

| 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

Polar Curve




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 |

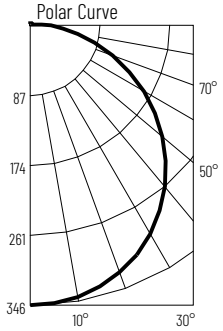
Candela Table

| 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

Polar Curve




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 |

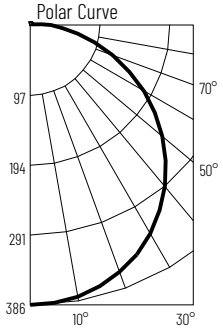
Candela Table

| 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

Polar Curve




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 |

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