

# NLOPAC-R4TW

4" AC Opal LED Surface Mount with Selectable CCT

Source: 10W

Up to 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
- Five color temperatures in each fixture (2700K / 3000K / 3500K / 4000K / 5000K)
- White, bronze or natural metal finishes
- Mount on standard 4" junction box
- Retrofit kit included for 4" 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 4" 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, 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 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 700lm / 10W

**Color Temperature:** Selectable CCT: 2700K / 3000K / 3500K / 4000K / 5000K (*Note: Preset to 3000K*)

**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](http://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-R4TWW	640lm	2700K
NLOPAC-R4TWW	664lm	3000K
NLOPAC-R4TWW	694lm	3500K
NLOPAC-R4TWW	693lm	4000K
NLOPAC-R4TWW	667lm	5000K

## PRODUCT IMAGES AND DIMENSIONS



PRELIMINARY SPEC SHEET

## 4" AC Opal LED Surface Mount with Selectable CCT

Description

**NLOPAC-R4TWBZ** = Bronze Finish

**NLOPAC-R4TWNM** = Natural Metal Finish

**NLOPAC-R4TWW** = White Finish

Example: **NLOPAC-R4TWW** = 4" AC Opal LED Surface Mount with Selectable CCT, 700lm / 10W, White Finish

# PHOTOMETRICS

## 4" AC Opal LED Surface Mount with Selectable CCT

Type

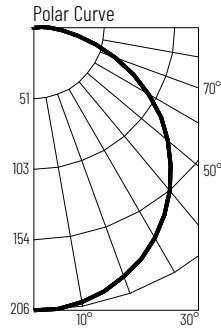
Project

Catalog No.

Notes

### Test Information

Test Number: NTS173R1  
 Part Number: NLOPAC-R4TWW  
 Beam Spread: 116° Wide Flood  
 Lumens: 640lm  
 Wattage: 9.23W  
 Efficacy: 69lpw  
 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'	12.8fc	12'-11"
6'	5.7fc	19'-4"
8'	3.2fc	25'-8"
10'	2.0fc	32'-2"
12'	1.4fc	38'-7"

### Zonal Lumen Summary

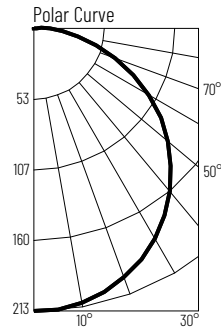
Zone	Lumens	% Luminaire
0-30	161	25.2
0-40	265	41.5
0-60	475	74.3
0-90	629	98.4
90-180	10.3	1.6
0-180	640	100

### Candela Table

Vertical Angles	Candela
0	205
5	205
15	202
25	186
35	167
45	141

### Test Information

Test Number: NTS174R1  
 Part Number: NLOPAC-R4TWW  
 Beam Spread: 116° Wide Flood  
 Lumens: 664lm  
 Wattage: 9.23W  
 Efficacy: 72lpw  
 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'	13.3fc	12'-11"
6'	5.9fc	19'-4"
8'	3.3fc	25'-8"
10'	2.1fc	32'-2"
12'	1.5fc	38'-7"

### Zonal Lumen Summary

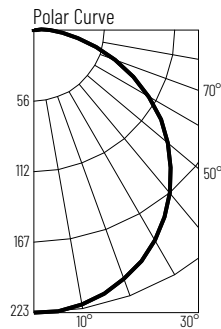
Zone	Lumens	% Luminaire
0-30	167	25.2
0-40	275	41.5
0-60	493	74.3
0-90	653	98.4
90-180	10.7	1.6
0-180	664	100

### Candela Table

Vertical Angles	Candela
0	213
5	212
15	205
25	193
35	173
45	147

### Test Information

Test Number: NTS175R1  
 Part Number: NLOPAC-R4TWW  
 Beam Spread: 116° Wide Flood  
 Lumens: 694lm  
 Wattage: 9.23W  
 Efficacy: 72lpw  
 CCT / CRI: 3500K / 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'	13.9fc	12'-11"
6'	6.2fc	19'-4"
8'	3.5fc	25'-8"
10'	2.2fc	32'-2"
12'	1.6fc	38'-7"

### Zonal Lumen Summary

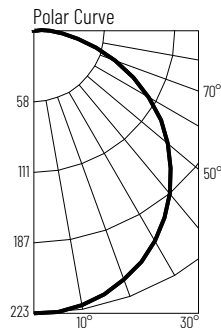
Zone	Lumens	% Luminaire
0-30	175	25.2
0-40	288	41.5
0-60	516	74.3
0-90	683	98.4
90-180	11.2	1.6
0-180	694	100

### Candela Table

Vertical Angles	Candela
0	223
5	222
15	215
25	202
35	181
45	153

### Test Information

Test Number: NTS146R1  
 Part Number: NLOPAC-R4TWW  
 Beam Spread: 116° Wide Flood  
 Lumens: 693lm  
 Wattage: 9.23W  
 Efficacy: 75lpw  
 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'	13.9fc	12'-11"
6'	6.2fc	19'-4"
8'	3.5fc	25'-8"
10'	2.2fc	32'-2"
12'	1.6fc	38'-7"

### Zonal Lumen Summary

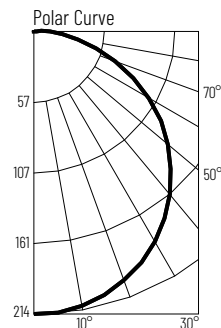
Zone	Lumens	% Luminaire
0-30	174	25.2
0-40	287	41.5
0-60	515	74.3
0-90	682	98.4
90-180	11	1.6
0-180	693	100

### Candela Table

Vertical Angles	Candela
0	223
5	221
15	215
25	201
35	181
45	153

### Test Information

Test Number: NTS177R1  
 Part Number: NLOPAC-R4TWW  
 Beam Spread: 116° Wide Flood  
 Lumens: 667lm  
 Wattage: 9.23W  
 Efficacy: 72lpw  
 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'	13.4fc	12'-10"
6'	5.9fc	19'-4"
8'	3.4fc	25'-8"
10'	2.1fc	32'-2"
12'	1.5fc	38'-7"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	168	25.2
0-40	276	41.5
0-60	495	74.3
0-90	656	94.4
90-180	10.72	1.6
0-180	667	100

### Candela Table

Vertical Angles	Candela
0	214
5	213
15	207
25	194
35	174
45	147