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, black, 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 ½" 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, 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 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: 120VAC
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: 0-40°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
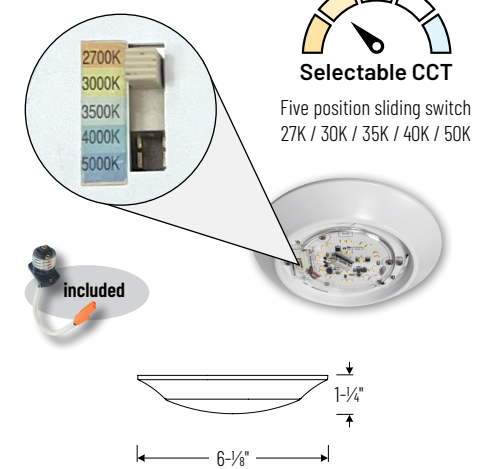
LISTING
· cETLus Listed for wet locations
· cETLus classified for retrofit
· ENERGY STAR certified
· 5-Year Limited Warranty
· Certified to the high efficacy requirements of California Title 24 JA8-2022
· Suitable for use in closets when installed in accordance to NEC Section 410.16 (A)(1) and 410.16 (C)(1)
· FCC Compliant

Performance Data

Part Number	Lumens	CCT
NLOPAC-R4TWW	640lm	2700K
NLOPAC-R4TWW	664lm	3000K
NLOPAC-R4TWW	694lm	3500K
NLOPAC-R4TWW	701lm	4000K
NLOPAC-R4TWW	667lm	5000K

PRODUCT IMAGES AND DIMENSIONS

Selectable CCT
Five position sliding switch
27K / 30K / 35K / 40K / 50K

included

1-¼"

6-⅛"

B
Black

BZ
Bronze

NM
Natural Metal

W
White

4" AC Opal LED Surface Mount with Selectable CCT

Description
NLOPAC-R4TWB = Black Finish
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

101023P1

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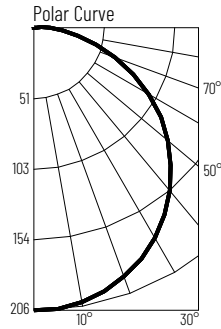## 4" AC Opal LED Surface Mount with Selectable CCT

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

Polar Curve

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

Polar Curve
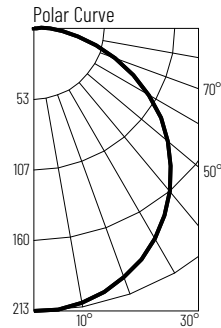
Illuminance at a Distance

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

Polar Curve
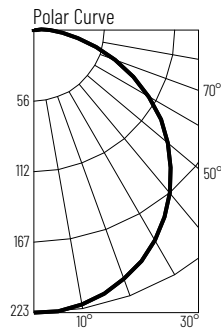
Illuminance at a Distance

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: NTS176R2
Part Number: NLOPAC-R4TWW
Beam Spread: 116° Wide Flood
Lumens: 701lm
Wattage: 9.23W
Efficacy: 76lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.28
Spacing Criteria (90°-270°): 1.28

Polar Curve
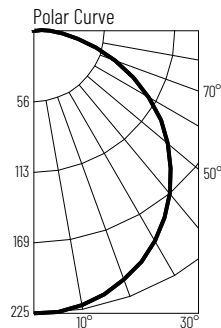
Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	14.1fc	12'-11"
6'	6.3fc	19'-4"
8'	3.5fc	25'-8"
10'	2.3fc	32'-2"
12'	1.6fc	38'-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	176	25.2
0-40	290	41.5
0-60	521	74.3
0-90	689	98.4
90-180	11.3	1.6
0-180	701	100

Candela Table

Vertical Angles	Candela
0	225
5	224
15	217
25	203
35	182
45	155

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

Polar Curve
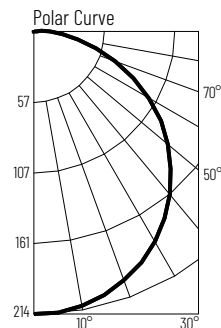
Illuminance at a Distance

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