

NLOS-R4

4" SURF Round LED Regressed Edge-Lit Surface Mount

Source: 10W or 11W LED

Up to 950lm

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

SURF LED Surface Mount luminaires are only 1/16" thick surface with DC driver mounted on the back. Luminaires resemble appearance of a recessed downlight. The specially designed regressed light guide with embedded honeycomb lens produces even illumination while reducing glare.

FEATURES

- Over 80% energy savings when compared to incandescent
- No housing needed, surface mounted over junction box
- Edge-lit LEDs for uniform clean appearance
- Matte Powder White finish
- Dedicated CCT or Selectable CCT
- 5-year limited warranty

SPECIFICATION

Construction: Surface mounted LED edge-lit downlight adopts compact slim and elegant design. The special diffuser can increase central candela intensity by more than 30%, provide soft and comfortable light. 1/16" deep polycarbonate regressed baffle trim. Dead front (non-metallic) luminaire is rated for wet locations without additional caulking.

Lens: Nora specified and designed edge-lit regressed light guide with embedded honeycomb lens greatly reduces aperture brightness while evenly distributing light.

Installation: Aluminum backplate attaches to junction box bracket (included) for seamless flush appearance.

Note: Make sure 4" octagonal junction box has minimum 1-1/2" height

ELECTRICAL

Input Voltage: 120VAC

Lumens / Wattage: 850lm / 11W (Dedicated CCT) or 950lm / 10W (Selectable CCT)

Color Temperature: Dedicated CCT or Selectable CCT (2700K / 3000K / 3500K / 4000K / 5000K)

Color Rendering Index: 90+ CRI

Operating Temperature: 0-45°C

Dimming: Triac or ELV

[Click Here](#) or check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab.

OPTIONAL ACCESSORIES

[NEPK-23LEDUNV](#): 23W Emergency with Remote Test Switch

[NEPKA-20/23LEDRTS](#): Ribbon Test Switch for NEPK-23LEDUNV

Emergency: Luminaire is compatible with NEPK-23LEDUNV (ordered separately). Remote mounted battery operates luminaire for 90 minute emergency operation with a fully charged battery. Emergency includes remote test switch, ribbon test switch accessory (NEPKA-20/23LEDRTS) ordered separately.

LABELS AND LISTINGS

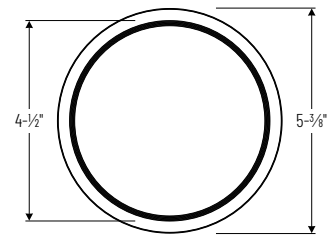
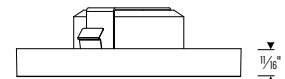
- cULus Listed for Wet Location
- [5-Year Limited Warranty](#)
- FCC compliant
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- Suitable for use in closets when installed in accordance to NEC Section 410.16 (A)(1) and 410.16 (C)(1).



Performance Data

Part Number	Dedicated CCT	Selectable CCT	CCT
NLOS-R4	-	845lm	2700K
NLOS-R4	730lm	873lm	3000K
NLOS-R4	766lm	902lm	3500K
NLOS-R4	812lm	928lm	4000K
NLOS-R4	854lm	962lm	5000K

PRODUCT IMAGES AND DIMENSIONS



4" SURF Round LED Regressed Edge-Lit Surface Mount

Color Temperature

NLOS-R42L30WW = 3000K

NLOS-R42L35WW = 3500K

NLOS-R42L40WW = 4000K

NLOS-R42L50WW = 5000K

NLOS-R4TWPW = Selectable CCT (27K/30K/35K/40K/50K)

Optional Accessories

Description

NEPK-LEDUNV = 23W Emergency LED Driver w/Remote Test Switch

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

Example: **NLOS-R4TWPW** = 4" SURF Round LED Regressed Edge-Lit Surface Mount, Selectable CCT

PHOTOMETRICS

4" SURF Round LED Regressed Edge-Lit Surface Mount Dedicated CCT

Type

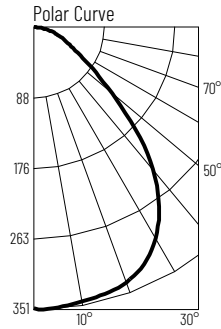
Project

Catalog No.

Notes

Test Information

Test Number: NTR11254R1
Part Number: NLOS-R42L30WW
Beam Spread: 89° Wide Flood
Lumens: 730lm
Wattage: 10.42W
Efficacy: 70lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 1.24
Spacing Criteria (90°-270°): 1.24



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	22fc	7'-11"
6'	9.8fc	11'-10"
8'	5.5fc	15'-8"
10'	3.5fc	19'-8"
12'	2.4fc	23'-7"

Zonal Lumen Summary

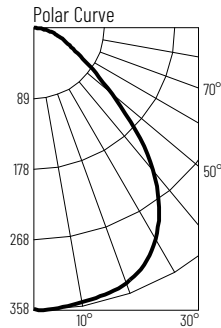
Zone	Lumens	% Luminaire
0-30	227	31
0-40	373	51.1
0-60	638	87.4
0-90	730	100
90-180	0	0
0-180	730	100

Candela Table

Vertical Angles	Candela
0	351
5	349
15	339
25	317
35	263
45	171

Test Information

Test Number: NTR11258R1
Part Number: NLOS-R42L35WW
Beam Spread: 90° Wide Flood
Lumens: 766lm
Wattage: 10.38W
Efficacy: 74lpw
CCT / CRI: 3500K / 90 CRI
Spacing Criteria (0°-180°): 1.28
Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	22.3fc	8'-1"
6'	9.9fc	12'-1"
8'	5.6fc	16'-1"
10'	3.6fc	20'-1"
12'	2.5fc	24'-2"

Zonal Lumen Summary

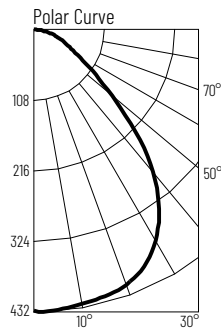
Zone	Lumens	% Luminaire
0-30	284	37.1
0-40	456	59.5
0-60	678	88.6
0-90	766	100
90-180	0	0
0-180	766	100

Candela Table

Vertical Angles	Candela
0	358
5	355
15	349
25	332
35	279
45	181

Test Information

Test Number: NTR112587
Part Number: NLOS-R42L40WW
Beam Spread: 84° Wide Flood
Lumens: 812lm
Wattage: 10.5W
Efficacy: 77lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.14
Spacing Criteria (90°-270°): 1.14



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	27fc	7'-2"
6'	12fc	10'-10"
8'	6.8fc	14'-5"
10'	4.3fc	18'
12'	3fc	21'-7"

Zonal Lumen Summary

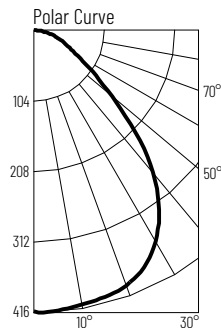
Zone	Lumens	% Luminaire
0-30	268	33
0-40	429	52.9
0-60	713	87.8
0-90	812	100
90-180	0	0
0-180	812	100

Candela Table

Vertical Angles	Candela
0	432
5	427
15	406
25	361
35	284
45	182

Test Information

Test Number: NTR11288R1
Part Number: NLOS-R42L50WW
Beam Spread: 89° Wide Flood
Lumens: 854lm
Wattage: 10.4W
Efficacy: 82lpw
CCT / CRI: 5000K / 90 CRI
Spacing Criteria (0°-180°): 1.24
Spacing Criteria (90°-270°): 1.22



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	26fc	7'-10"
6'	11.6fc	11'-8"
8'	6.5fc	15'-7"
10'	4.2fc	19'-6"
12'	2.9fc	23'-5"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	267	31.3
0-40	439	51.4
0-60	750	87.8
0-90	854	100
90-180	0	0
0-180	854	100

Candela Table

Vertical Angles	Candela
0	416
5	413
15	400
25	372
35	308
45	200

PHOTOMETRICS

4" SURF Round LED Regressed Edge-Lit Surface Mount Selectable CCT

Type

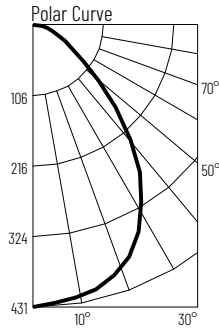
Project

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Notes

Test Information

Test Number: NS03042.1
Part Number: NLOS-R4TWMPW
Beam Spread: 86° Wide Flood
Lumens: 845lm
Wattage: 10.03W
Efficacy: 84lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 1.18
Spacing Criteria (90°-270°): 1.16



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	26.9fc	7'-6"
6'	12fc	11'-4"
8'	6.7fc	15'
10'	4.3fc	18'-10"
12'	3fc	22'-7"

Zonal Lumen Summary

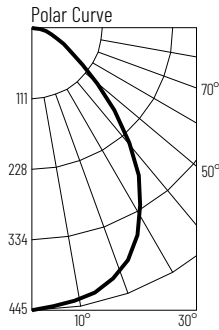
Zone	Lumens	% Luminaire
0-30	275	32.6
0-40	444	52.6
0-60	746	88.2
0-90	845	100
90-180	0	0
0-180	845	100

Candela Table

Vertical Angles	Candela
0	431
5	428
15	413
25	374
35	299
45	191

Test Information

Test Number: NS03042.2
Part Number: NLOS-R4TWMPW
Beam Spread: 86° Wide Flood
Lumens: 873lm
Wattage: 10.03W
Efficacy: 84lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 1.18
Spacing Criteria (90°-270°): 1.16



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	27.8fc	7'-6"
6'	12.4fc	11'-4"
8'	7fc	15'
10'	4.5fc	18'-10"
12'	3.1fc	22'-7"

Zonal Lumen Summary

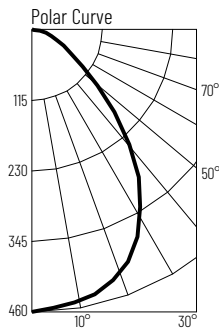
Zone	Lumens	% Luminaire
0-30	284	32.6
0-40	459	52.6
0-60	771	88.2
0-90	873	100
90-180	0	0
0-180	873	100

Candela Table

Vertical Angles	Candela
0	445
5	443
15	426
25	386
35	309
45	197

Test Information

Test Number: NS03042.3
Part Number: NLOS-R4TWMPW
Beam Spread: 86° Wide Flood
Lumens: 902lm
Wattage: 10W
Efficacy: 90lpw
CCT / CRI: 3500K / 90 CRI
Spacing Criteria (0°-180°): 1.2
Spacing Criteria (90°-270°): 1.18



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	28.8fc	7'-6"
6'	12.8fc	11'-4"
8'	7.2fc	15'-1"
10'	4.6fc	18'-10"
12'	3.2fc	22'-7"

Zonal Lumen Summary

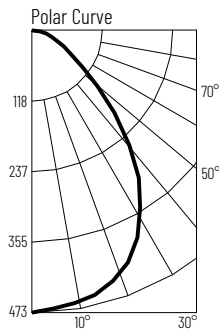
Zone	Lumens	% Luminaire
0-30	294	32.6
0-40	474	52.6
0-60	796	88.3
0-90	902	100
90-180	0	0
0-180	902	100

Candela Table

Vertical Angles	Candela
0	460
5	457
15	441
25	401
35	322
45	209

Test Information

Test Number: NS03042.4
Part Number: NLOS-R4TWMPW
Beam Spread: 86° Wide Flood
Lumens: 928lm
Wattage: 9.99W
Efficacy: 93lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.2
Spacing Criteria (90°-270°): 1.18



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	29.6fc	7'-6"
6'	13.1fc	11'-4"
8'	7.4fc	15'-1"
10'	4.7fc	18'-10"
12'	3.3fc	22'-7"

Zonal Lumen Summary

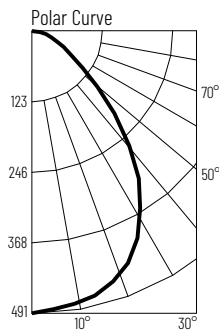
Zone	Lumens	% Luminaire
0-30	302	32.6
0-40	488	52.6
0-60	819	88.3
0-90	928	100
90-180	0	0
0-180	928	100

Candela Table

Vertical Angles	Candela
0	473
5	471
15	454
25	413
35	332
45	215

Test Information

Test Number: NS03042.5
Part Number: NLOS-R4TWMPW
Beam Spread: 86° Wide Flood
Lumens: 962lm
Wattage: 9.97W
Efficacy: 96lpw
CCT / CRI: 5000K / 90 CRI
Spacing Criteria (0°-180°): 1.2
Spacing Criteria (90°-270°): 1.18



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	30.7fc	7'-6"
6'	13.6fc	11'-4"
8'	7.7fc	15'-1"
10'	4.9fc	18'-10"
12'	3.4fc	22'-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	314	32.6
0-40	506	52.6
0-60	849	88.3
0-90	962	100
90-180	0	0
0-180	962	100

Candela Table

Vertical Angles	Candela
0	491
5	488
15	471
25	428
35	344
45	223