

NLOS-R7

7" SURF Round LED Regressed Edge-Lit Surface Mount

Source: 14W LED

Up to 1350lm

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.

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: 1150lm / 14W (Dedicated CCT) or 1350lm / 14W (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

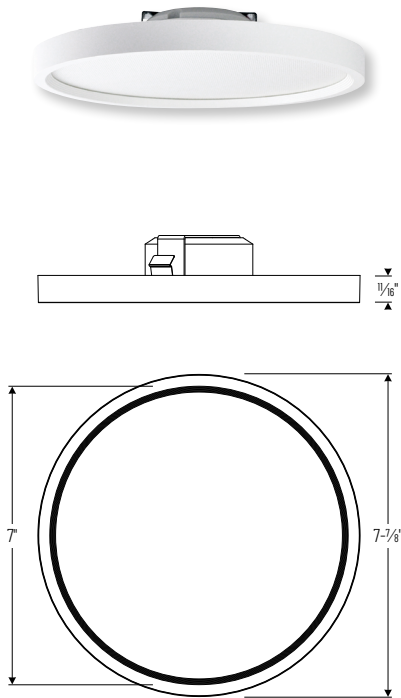
- cULus Listed for Wet Location
- [5-Year Limited Warranty](#)
- FCC compliant
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- Suitable for use in closets when installed in accordance to NEC Section 410.16 (A)(1) and 410.16 (C)(1).



Type
Project
Catalog No.
Notes

Performance Data			
Part Number	Dedicated CCT	Selectable CCT	CCT
NLOS-R7	1139lm	1202lm	2700K
NLOS-R7	1183lm	1238lm	3000K
NLOS-R7	-	1269lm	3500K
NLOS-R7	1093lm	1309lm	4000K
NLOS-R7	1120lm	1354lm	5000K

PRODUCT IMAGES AND DIMENSIONS



7" SURF Round LED Regressed Edge-Lit Surface Mount

Color Temperature
NLOS-R72L27WW = 2700K
NLOS-R72L30WW = 3000K
NLOS-R72L40WW = 4000K
NLOS-R72L50WW = 5000K
NLOS-R7TWMPW = 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-R7TWMPW = 7" SURF Round LED Regressed Edge-Lit Surface Mount, Selectable CCT

PHOTOMETRICS

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

Type

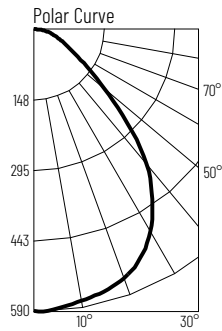
Project

Catalog No.

Notes

Test Information

Test Number: NTR1805R1
Part Number: NLOS-R72L27WW
Beam Spread: 85° Wide Flood
Lumens: 1139lm
Wattage: 14.18W
Efficacy: 80lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 1.16
Spacing Criteria (90°-270°): 1.16



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	36.9fc	7'-5"
6'	16.4fc	11'
8'	9.2fc	14'-8"
10'	5.9fc	18'-5"
12'	4.1fc	22'-1"

Zonal Lumen Summary

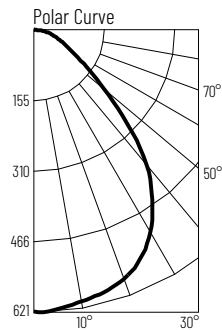
Zone	Lumens	% Luminaire
0-30	370	32.5
0-40	593	52.1
0-60	997	87.6
0-90	1139	100
90-180	0	0
0-180	1139	100

Candela Table

Vertical Angles	Candela
0	590
5	586
15	560
25	500
35	395
45	259

Test Information

Test Number: NTR1806R1
Part Number: NLOS-R72L30WW
Beam Spread: 85° Wide Flood
Lumens: 1183lm
Wattage: 14.5W
Efficacy: 82lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 1.16
Spacing Criteria (90°-270°): 1.16



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	38.8fc	7'-4"
6'	17.2fc	10'-11"
8'	9.7fc	14'-7"
10'	6.2fc	18'-2"
12'	4.3fc	21'-11"

Zonal Lumen Summary

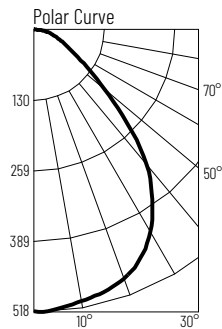
Zone	Lumens	% Luminaire
0-30	465	39.3
0-40	722	61
0-60	1053	89
0-90	1183	100
90-180	0	0
0-180	1183	100

Candela Table

Vertical Angles	Candela
0	621
5	617
15	592
25	526
35	416
45	269

Test Information

Test Number: NTR1808R1
Part Number: NLOS-R72L40WW
Beam Spread: 89° Wide Flood
Lumens: 1093lm
Wattage: 13.34W
Efficacy: 82lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	32.4fc	7'-11"
6'	14.4fc	11'-11"
8'	8.1fc	15'-10"
10'	5.2fc	19'-10"
12'	3.6fc	23'-8"

Zonal Lumen Summary

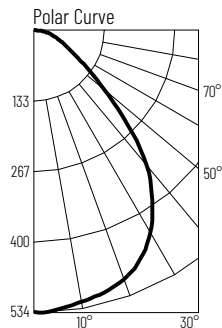
Zone	Lumens	% Luminaire
0-30	339	31
0-40	559	51.2
0-60	956	87.4
0-90	1093	100
90-180	0	0
0-180	1093	100

Candela Table

Vertical Angles	Candela
0	518
5	515
15	504
25	475
35	395
45	254

Test Information

Test Number: NTR1809R1
Part Number: NLOS-R72L50WW
Beam Spread: 89° Wide Flood
Lumens: 1120lm
Wattage: 13.46W
Efficacy: 83lpw
CCT / CRI: 5000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	33.4fc	7'-11"
6'	14.fc	11'-10"
8'	8.3fc	15'-8"
10'	5.3fc	19'-8"
12'	3.7fc	23'-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	422	37.7
0-40	674	60.2
0-60	994	88.8
0-90	1120	100
90-180	0	0
0-180	1120	100

Candela Table

Vertical Angles	Candela
0	534
5	532
15	521
25	492
35	408
45	259

PHOTOMETRICS

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

Type

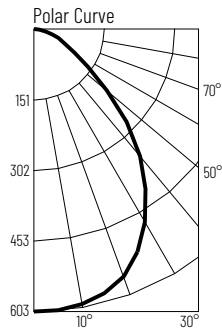
Project

Catalog No.

Notes

Test Information

Test Number: NS03043.1
Part Number: NLOS-R7TWMPW
Beam Spread: 87° Wide Flood
Lumens: 1202lm
Wattage: 14.45W
Efficacy: 83lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 1.18
Spacing Criteria (90°-270°): 1.18



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	37.7fc	7'-6"
6'	16.8fc	11'-4"
8'	9.4fc	15'
10'	6fc	18'-10"
12'	4.2fc	22'-7"

Zonal Lumen Summary

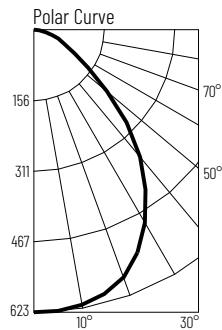
Zone	Lumens	% Luminaire
0-30	460	38.2
0-40	720	59.9
0-60	1066	88.7
0-90	1202	100
90-180	0	0
0-180	1202	100

Candela Table

Vertical Angles	Candela
0	603
5	599
15	578
25	558
35	419
45	279

Test Information

Test Number: NS03043.2
Part Number: NLOS-R7TWMPW
Beam Spread: 87° Wide Flood
Lumens: 1238lm
Wattage: 14.47W
Efficacy: 86lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 1.22
Spacing Criteria (90°-270°): 1.22



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	38.7fc	7'-7"
6'	17.2fc	11'-5"
8'	9.7fc	15'-2"
10'	6.2fc	19'
12'	4.3fc	22'-10"

Zonal Lumen Summary

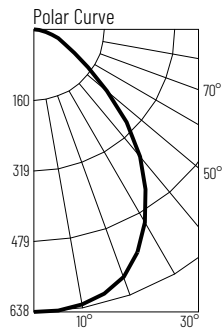
Zone	Lumens	% Luminaire
0-30	472	38.2
0-40	740	59.8
0-60	1097	88.6
0-90	1238	100
90-180	0	0
0-180	1238	100

Candela Table

Vertical Angles	Candela
0	620
5	618
15	601
25	555
35	456
45	320

Test Information

Test Number: NS03043.3
Part Number: NLOS-R7TWMPW
Beam Spread: 87° Wide Flood
Lumens: 1238lm
Wattage: 14.47W
Efficacy: 88lpw
CCT / CRI: 3500K / 90 CRI
Spacing Criteria (0°-180°): 1.22
Spacing Criteria (90°-270°): 1.22



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	39.7fc	7'-7"
6'	17.6fc	11'-5"
8'	9.9fc	15'-2"
10'	6.4fc	19'
12'	4.4fc	22'-10"

Zonal Lumen Summary

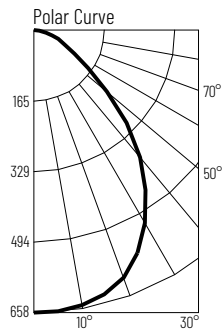
Zone	Lumens	% Luminaire
0-30	484	38.2
0-40	759	59.8
0-60	1124	88.6
0-90	1269	100
90-180	0	0
0-180	1269	100

Candela Table

Vertical Angles	Candela
0	635
5	633
15	616
25	569
35	467
45	328

Test Information

Test Number: NS03043.4
Part Number: NLOS-R7TWMPW
Beam Spread: 87° Wide Flood
Lumens: 1309lm
Wattage: 14.27W
Efficacy: 92lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.22
Spacing Criteria (90°-270°): 1.22



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	41fc	7'-7"
6'	18.2fc	11'-5"
8'	10.2fc	15'-2"
10'	6.6fc	19'
12'	4.6fc	22'-10"

Zonal Lumen Summary

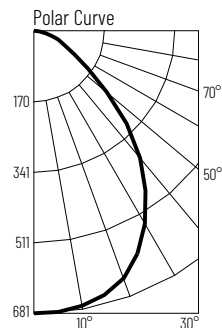
Zone	Lumens	% Luminaire
0-30	500	38.2
0-40	783	59.8
0-60	1160	88.6
0-90	1309	100
90-180	0	0
0-180	1309	100

Candela Table

Vertical Angles	Candela
0	655
5	654
15	635
25	587
35	482
45	339

Test Information

Test Number: NS03043.5
Part Number: NLOS-R7TWMPW
Beam Spread: 87° Wide Flood
Lumens: 1354lm
Wattage: 14.2W
Efficacy: 95lpw
CCT / CRI: 5000K / 90 CRI
Spacing Criteria (0°-180°): 1.22
Spacing Criteria (90°-270°): 1.22



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	42.4fc	7'-7"
6'	18.8fc	11'-5"
8'	10.6fc	15'-2"
10'	6.8fc	19'
12'	4.7fc	22'-10"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	517	38.2
0-40	810	59.8
0-60	1199	88.6
0-90	1354	100
90-180	0	0
0-180	1354	100

Candela Table

Vertical Angles	Candela
0	678
5	676
15	657
25	607
35	499
45	350