

NLOS

SURF LED Regressed Edge-Lit Surface Mount

Source: 11W to 14W LED

650lm to 1000lm

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

The SURF Series is a 11/16" thick surface mounted luminaire with DC driver mounted on the back. Luminaire is surface mounted, but with the appearance of a recessed downlight. The specially designed regressed light guide with embedded honeycomb lens produces even illumination while reducing glare. Series is available in square and round in 4", 6" or 7". Surf mounts easily over a standard or fire rated junction boxes.

FEATURES

- Over 80% energy savings when compared to incandescent
- No housing needed, surface mounted over junction box
- Square and round sizes
- Edge-lit LEDs for uniform clean appearance
- 2700K, 3000K, 3500K, 4000K or 5000K
- 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. 11/16" 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:

R42L = 650lm / 11W

S42L = 650lm / 11W

S62L = 900lm / 14W

R72L = 1000lm / 14W

Color Temperature: 2700K, 3000K, 3500K, 4000K or 5000K

Color Rendering Index: 90+ CRI

Operating Temp.: 0°C to 45°C ambient temperature

Dimming: Triac or ELV

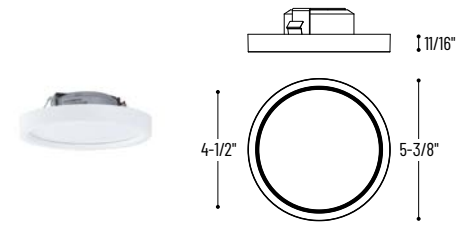
[Click Here](#) or check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab

LABELS AND LISTINGS

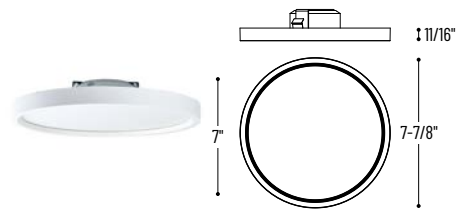
- cULus Listed for Wet Location
- ENERGY STAR® certified
- [5-Year Limited Warranty](#)
- FCC compliant
- Can be used to comply with 2019 Title 24 - part 6 High Efficacy LED light source requirements
- Suitable for use in closets when installed in accordance to NEC Section 410.16 (A)(1) and 410.16 (C)(1).



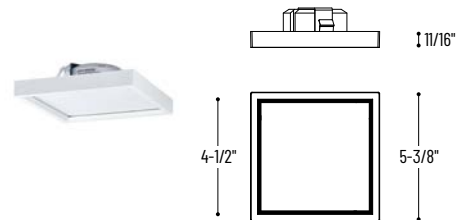
PRODUCT IMAGES AND DIMENSIONS



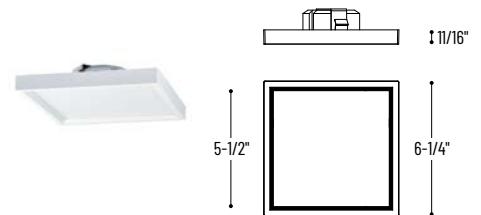
NLOS-R42L
4" Round SURF



NLOS-R72L
7" Round SURF



NLOS-S42L
4" Square SURF



NLOS-S62L
6" Square SURF

SURF LED Regressed Edge-Lit Surface Mount

Luminaire Size / Shape	Color Temp.	Finish
NLOS-R42L = 4" Round	27 = 2700K	WW = White
NLOS-S42L = 4" Square	30 = 3000K	
NLOS-S62L = 6" Square	35 = 3500K	
NLOS-R72L = 7" Round	40 = 4000K	
	50 = 5000K	

Example: **NLOS-R42L27WW** = 4" Round SURF LED Regressed Edge-Lit Surface Mount, 2700K, White finish

PHOTOMETRICS

SURF LED Regressed Edge-Lit Surface Mount

Type

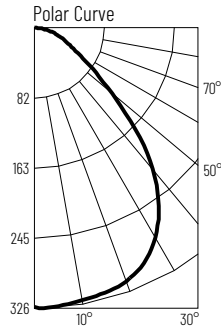
Project

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Notes

Test Information

Test Number: NTR11285
 Part Number: NLOS-R42L30WW
 Lumens: 697lm
 Wattage: 10.6W
 Efficacy: 66lpw
 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'	20.3fc	8'-1"
6'	9fc	12'-1"
8'	5.1fc	16'-2"
10'	3.3fc	20'-2"
12'	2.3fc	24'-2"

Zonal Lumen Summary

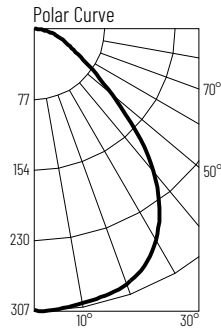
Zone	Lumens	% Luminaire
0-30	258	37.1
0-40	415	59.5
0-60	618	88.5
0-90	695	99.7
90-180	2	0.3
0-180	697	100

Candela Table

Vertical Angles	Candela
0	325
5	323
15	317
25	300
35	252
45	166

Test Information

Test Number: NTR11289
 Part Number: NLOS-S42L30WW
 Lumens: 646lm
 Wattage: 10.6W
 Efficacy: 61lpw
 CCT / CRI: 3000K / 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'	19.1fc	8'
6'	8.5fc	11'-11"
8'	4.8fc	15'-11"
10'	3.1fc	19'-11"
12'	2.1fc	23'-11"

Zonal Lumen Summary

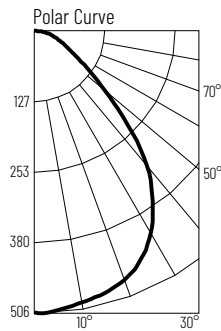
Zone	Lumens	% Luminaire
0-30	243	37.6
0-40	389	60.2
0-60	575	89
0-90	644	99.7
90-180	2	0.3
0-180	646	100

Candela Table

Vertical Angles	Candela
0	306
5	305
15	299
25	282
35	236
45	153

Test Information

Test Number: NTR11257R1
 Part Number: NLOS-R72L30WW
 Lumens: 1036lm
 Wattage: 13.8W
 Efficacy: 75lpw
 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'	31.6fc	7'-10"
6'	14fc	11'-7"
8'	7.9fc	15'-6"
10'	5.1fc	19'-5"
12'	3.5fc	23'-4"

Zonal Lumen Summary

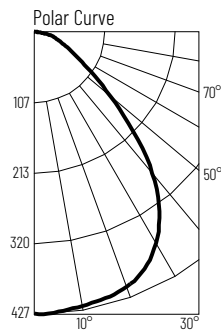
Zone	Lumens	% Luminaire
0-30	392	37.9
0-40	624	60.2
0-60	912	88
0-90	1024	98.8
90-180	12	1.2
0-180	1036	100

Candela Table

Vertical Angles	Candela
0	505
5	502
15	486
25	453
35	373
45	239

Test Information

Test Number: NTR11290
 Part Number: NLOS-S62L30WW
 Lumens: 908lm
 Wattage: 13.8W
 Efficacy: 66lpw
 CCT / CRI: 3000K / 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'	26.6fc	8'
6'	11.8fc	12'-1"
8'	6.7fc	16'-1"
10'	4.3fc	20'-1"
12'	3fc	24'-1"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	339	37.3
0-40	543	59.8
0-60	803	88.4
0-90	902	99.3
90-180	6	0.7
0-180	908	100

Candela Table

Vertical Angles	Candela
0	426
5	425
15	417
25	395
35	331
45	215

Lumen Output Multipliers

Color Temperature: 2700K (0.95), 3000K (1.00), 3500K (1.03), 4000K (1.06), 5000K (1.05)