

NLOS-S4

4" SURF Square LED Regressed Edge-Lit Surface Mount

Source: 11W LED

750lm

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
- 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: 750lm / 11W

Color Temperature: Dedicated 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

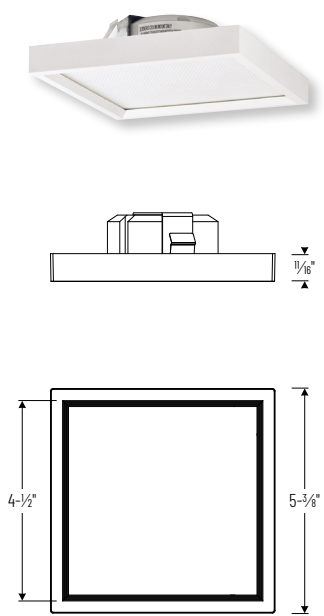
- cULus Listed for Wet Location
- [5-Year Limited Warranty](#)
- FCC compliant
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- Suitable for use in closets when installed in accordance to NEC Section 410.16 (A)(1) and 410.16 (C)(1).



Type
Project
Catalog No.
Notes

Performance Data		
Part Number	Lumens	CCT
NLOS-S42L40WW	616lm	2700K
NLOS-S42L40WW	702lm	3000K
NLOS-S42L40WW	695lm	3500K
NLOS-S42L40WW	778lm	4000K
NLOS-S42L50WW	781lm	5000K

PRODUCT IMAGES AND DIMENSIONS



4" SURF Square LED Regressed Edge-Lit Surface Mount

Color Temperature

- NLOS-S42L27WW = 2700K
- NLOS-S42L30WW = 3000K
- NLOS-S42L35WW = 3500K
- NLOS-S42L40WW = 4000K
- NLOS-S42L50WW = 5000K

Optional Accessories

Description

- NEPK-LEDUNV = 23W Emergency LED Driver w/Remote Test Switch
- NEPKA-20/23LEDRTS = Ribbon Test Switch for NEPK-23LEDUNV

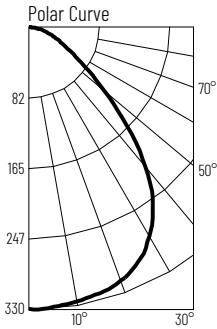
Example: NLOS-S42L30WW = 4" SURF Square LED Regressed Edge-Lit Surface Mount, 3000K

PHOTOMETRICS

4" SURF Square LED Regressed Edge-Lit Surface Mount

Type
Project
Catalog No.
Notes

Test Information
Test Number: NTR1810R1
Part Number: NLOS-S42L27WW
Beam Spread: 84° Wide Flood
Lumens: 616lm
Wattage: 10.34W
Efficacy: 60lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 1.16
Spacing Criteria (90°-270°): 1.14



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	20.6fc	7'-2"
6'	9.2fc	10'-11"
8'	5.2fc	14'-6"
10'	3.3fc	18'-1"
12'	2.3fc	21'-8"

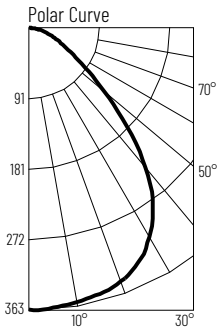
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	204	33.2
0-40	327	53.1
0-60	544	88.3
0-90	616	100
90-180	0	0
0-180	616	100

Candela Table

Vertical Angles	Candela
0	330
5	326
15	309
25	276
35	219
45	141

Test Information
Test Number: NTR1811R1
Part Number: NLOS-S42L30WW
Beam Spread: 85° Wide Flood
Lumens: 702lm
Wattage: 10.5W
Efficacy: 67lpw
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'	22.7fc	7'-5"
6'	10.1fc	11'-1"
8'	5.7fc	14'-8"
10'	3.6c	18'-5"
12'	2.5fc	22'-1"

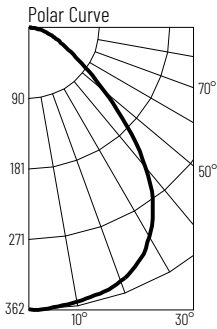
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	228	32.5
0-40	366	52.2
0-60	616	87.8
0-90	702	100
90-180	0	0
0-180	702	100

Candela Table

Vertical Angles	Candela
0	363
5	360
15	346
25	310
35	245
45	160

Test Information
Test Number: NTR1812R1
Part Number: NLOS-S42L35WW
Beam Spread: 85° Wide Flood
Lumens: 695lm
Wattage: 10.2W
Efficacy: 68lpw
CCT / CRI: 3500K / 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'	22.6fc	7'-4"
6'	10.1fc	11'
8'	5.7fc	14'-8"
10'	3.6fc	18'-4"
12'	2.5fc	22'

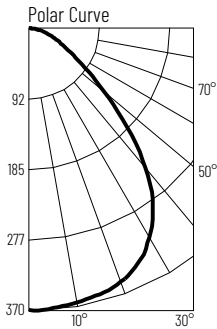
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	227	32.7
0-40	364	52.4
0-60	610	87.7
0-90	695	100
90-180	0	0
0-180	695	100

Candela Table

Vertical Angles	Candela
0	362
5	359
15	344
25	307
35	241
45	157

Test Information
Test Number: NTR1813R1
Part Number: NLOS-S42L40WW
Beam Spread: 90° Wide Flood
Lumens: 778lm
Wattage: 10.51W
Efficacy: 74lpw
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'	23.1fc	8'
6'	10.3fc	11'-11"
8'	5.8fc	15'-11"
10'	3.7fc	19'-11"
12'	2.6fc	23'-11"

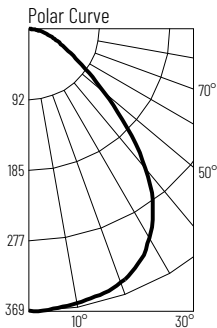
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	242	31.1
0-40	399	51.3
0-60	683	87.8
0-90	778	100
90-180	0	0
0-180	778	100

Candela Table

Vertical Angles	Candela
0	370
5	368
15	360
25	340
35	284
45	183

Test Information
Test Number: NTR1814R1
Part Number: NLOS-S42L50WW
Beam Spread: 90° Wide Flood
Lumens: 781lm
Wattage: 10.42W
Efficacy: 75lpw
CCT / CRI: 5000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.28



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	23.1fc	8'
6'	10.3fc	12'
8'	5.8fc	16'
10'	3.7fc	20'
12'	2.6fc	24'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	293	37.5
0-40	425	54.5
0-60	694	88.9
0-90	781	100
90-180	0	0
0-180	781	100

Candela Table

Vertical Angles	Candela
0	369
5	367
15	359
25	339
35	283
45	184