

NLRS-6S

6" Super Slope LED Retrofit Downlights

Source: 18W LED
1200lm

PRODUCT DESCRIPTION

Super sloped LED retrofit downlights adjust up to 45° for ceilings with steep pitches. Luminaires requires no driver and are suitable for use with most 6" super slope housings.

FEATURES

- Adjustable LED module (+/-45°) to accommodate ceiling pitches from 7/12 to 12/12
- Includes medium base socket adapter for easy retrofitting
- Over 80% energy savings when compared to incandescent
- Rated for insulated ceilings
- Compatible with most incandescent and electronic low voltage dimmers
- ENERGY STAR certified
- Title 24 compliant
- 5-year Limited Warranty

SPECIFICATION

Trim: Aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output.

Housings: Compatible with most 6" IC and non-IC super slope housings by Nora and others.

Mounting: Trim includes torsion springs to mount trim securely to housing.

Retrofit: Luminaires includes medium base screw-socket adapter (NRA-211SM) for retrofitting into existing medium base downlight housings. Intended to be used as a LED lamp replacement.

ELECTRICAL

Lumens / Wattage: 1200lm / 18W

Color Temperature: 2700K, 3000K or 4000K

Color Rendering Index: 90+ CRI

Operating Temperature: 0°C to 30°C

Dimming: Triac (leading edge) or ELV (trailing edge) down to 5%

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

COMPATIBLE HOUSINGS

Super Slope Downlights are compatible with respective housings manufactured by Nora Lighting.

CATALOG NO.	DESCRIPTION
NHIC-928LMRAT	LED Dedicated IC Air-Tight New Construction
NHIC-928QAT	Line Voltage IC Air-Tight New Construction with Medium Base Socket
NHRIC-928LMRAT	LED Dedicated IC Air-Tight Remodel
NHRIC-928QAT	Line Voltage IC Air-Tight Remodel with Medium Base Socket

LABELS AND LISTINGS

- cULus classified for Damp Location when used with compatible housing
- ENERGY STAR® certified
- Suitable for Type IC
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- [5-Year Limited Warranty](#)
- Meets ASTM-E283 Air-Tight requirements



Type

Project

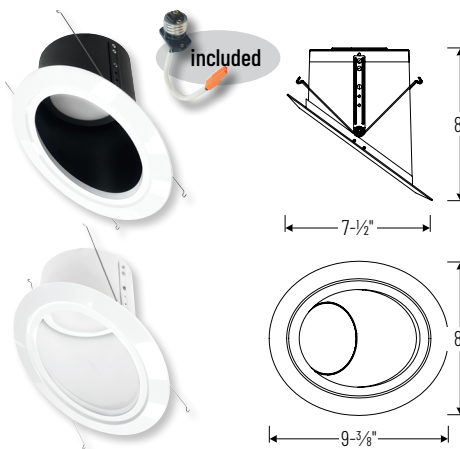
Catalog No.

Notes

Performance Data			
Part Number	2700K	3000K	4000K
NLRS-6S11	1075lm	1134lm	1203lm
NLRS-6S12	1055lm	1144lm	1203lm

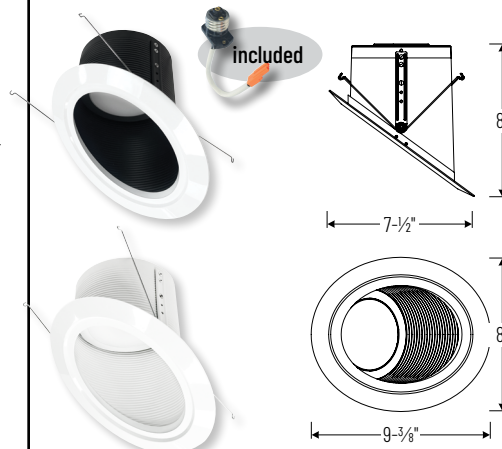
Delivered lumens will vary depending on finish

PRODUCT IMAGES AND DIMENSIONS



NLRS-6S11

Super Sloped Reflector



NLRS-6S12

Super Sloped Baffle

6" Super Sloped LED Retrofit Downlights

Trim Type	Color Temperature	Finish
NLRS-6S11L1 = Super Slope Reflector	27 = 2700K	B = Black / White Flange
NLRS-6S12L1 = Super Slope Baffle	30 = 3000K	W = White / White Flange
	40 = 4000K	

Example: **NLRS-6S11L30W** = 6" Super Sloped LED Retrofit Reflector, 1200lm / 18W, 3000K, White Reflector / White Flange

PHOTOMETRICS

6" Super Slope LED Retrofit Reflector

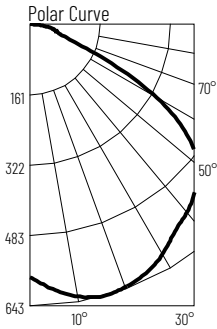
Type

Project

Catalog No.

Notes

Test Information
Test Number: NTR2067R1
Part Number: NLRS-6S1L127W
Beam Spread: 81° Wide Flood
Lumens: 1075lm
Wattage: 15.63W
Efficacy: 63lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 1.52
Spacing Criteria (90°-270°): 1.14



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	36.1fc	6'-11"
6'	16.1fc	10'-4"
8'	9fc	13'-8"
10'	5.8fc	17'-2"
12'	4fc	20'-7"

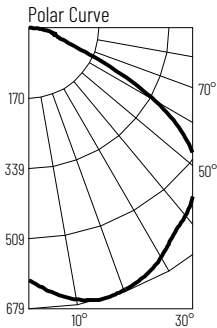
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	408	38
0-40	617	57.4
0-60	940	87.4
0-90	1075	100
90-180	0	0
0-180	1075	100

Candela Table

Vertical Angles	Candela
0	578
5	607
15	643
25	628
35	579
45	536

Test Information
Test Number: NTR2071R1
Part Number: NLRS-6S1L130W
Beam Spread: 81° Narrow Flood
Lumens: 1134lm
Wattage: 15.63W
Efficacy: 73lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 1.52
Spacing Criteria (90°-270°): 1.06



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	38.1fc	6'-11"
6'	16.9fc	10'-4"
8'	9.5fc	13'-8"
10'	6.1c	17'-2"
12'	4.2fc	20'-7"

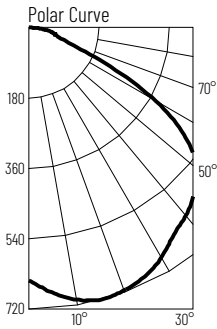
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	431	38.0
0-40	651	57.4
0-60	992	87.4
0-90	1134	100
90-180	0	0
0-180	1134	100

Candela Table

Vertical Angles	Candela
0	610
5	641
15	679
25	663
35	611
45	566

Test Information
Test Number: NTR2069R2
Part Number: NLRS-6S1L140W
Beam Spread: 81° Flood
Lumens: 1203lm
Wattage: 15.63W
Efficacy: 77lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.52
Spacing Criteria (90°-270°): 1.06



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	40.4fc	6'-11"
6'	18fc	10'-4"
8'	10.1fc	13'-8"
10'	6.5fc	17'-2"
12'	4.5fc	20'-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	457	38
0-40	691	57.4
0-60	1052	87.4
0-90	1203	100
90-180	0	0
0-180	1203	100

Candela Table

Vertical Angles	Candela
0	647
5	680
15	720
25	703
35	648
45	600

PHOTOMETRICS

6" Super Slope LED Retrofit Baffle

Type

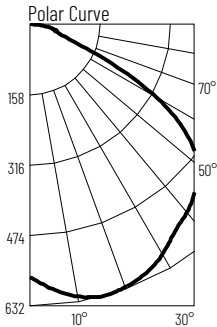
Project

Catalog No.

Notes

Test Information

Test Number: NTR2070R1
Part Number: NLR5-6S12L127W
Beam Spread: 81° Wide Flood
Lumens: 1055lm
Wattage: 15.63W
Efficacy: 68lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 1.52
Spacing Criteria (90°-270°): 1.06



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	35.5fc	6'-11"
6'	15.8fc	10'-4"
8'	8.9fc	13'-8"
10'	5.7fc	17'-2"
12'	4fc	20'-7"

Zonal Lumen Summary

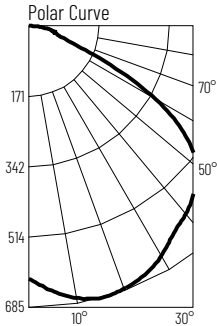
Zone	Lumens	% Luminaire
0-30	401	38
0-40	606	57.4
0-60	923	87.4
0-90	1055	100
90-180	0	0
0-180	1055	100

Candela Table

Vertical Angles	Candela
0	567
5	596
15	632
25	617
35	568
45	527

Test Information

Test Number: NTR2071R1
Part Number: NLR5-6S12L130W
Beam Spread: 81° Narrow Flood
Lumens: 1144lm
Wattage: 15.63W
Efficacy: 73lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 1.52
Spacing Criteria (90°-270°): 1.06



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	38.4fc	6'-11"
6'	17.1fc	10'-4"
8'	9.6fc	13'-8"
10'	6.1fc	17'-2"
12'	4.3fc	20'-6"

Zonal Lumen Summary

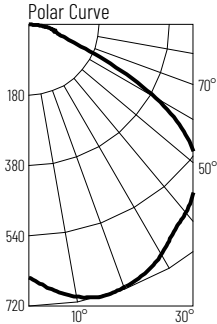
Zone	Lumens	% Luminaire
0-30	435	38.0
0-40	657	57.4
0-60	1000	87.4
0-90	1144	100
90-180	0	0
0-180	1144	100

Candela Table

Vertical Angles	Candela
0	615
5	647
15	685
25	669
35	616
45	571

Test Information

Test Number: NTR2072R1
Part Number: NLR5-6S12L140W
Beam Spread: 81° Flood
Lumens: 1203lm
Wattage: 15.63W
Efficacy: 77lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.52
Spacing Criteria (90°-270°): 1.06



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	40.4fc	6'-11"
6'	18fc	10'-4"
8'	10.1fc	13'-7"
10'	6.5fc	17'-2"
12'	4.5fc	20'-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	457	38
0-40	691	57.4
0-60	1052	87.4
0-90	1203	100
90-180	0	0
0-180	1203	100

Candela Table

Vertical Angles	Candela
0	647
5	680
15	720
25	703
35	648
45	600