

# NLRS-6

## 6" Slope LED Retrofit Downlights with Selectable CCT

Source: 15W LED  
1200lm

### PRODUCT DESCRIPTION

Sloped LED retrofit downlights adjust up to 25° for ceilings with steep pitches. Luminaires requires no driver and are suitable for use with most 6" sloped housings.

### FEATURES

- Adjustable LED module (+/-25°) to accommodate ceiling pitches from 1/12 to 6/12
- 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 sloped 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.

### ELECTRICAL

**Input Voltage:** 120VAC

**Lumens / Wattage:** 1200lm / 15W

**Color Temperature:** Selectable CCT: 2700K / 3000K / 3500K / 4000K / 5000K (*Note: Preset to 3000K*)

**Color Rendering Index:** 90+CRI

**Operating Temperature:** 0°C to 35°C

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

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

### COMPATIBLE HOUSINGS

Sloped downlights are compatible with respective housings manufactured by Nora Lighting.

CATALOG NO.	DESCRIPTION
<a href="#">NHIC-926DWQAT</a>	Line Voltage IC Air-Tight Double Wall New Construction with Medium Base Socket
<a href="#">NHIC-926QAT</a>	Line Voltage IC Air-Tight New Construction with Medium Base Socket
<a href="#">NHIC-926LMRAT</a>	LED Dedicated IC Air-Tight New Construction
<a href="#">NHRIC-926QAT</a>	Line Voltage IC Air-Tight Remodel with Medium Base Socket
<a href="#">NHRIC-926LMRAT</a>	LED Dedicated IC Air-Tight Remodel

### 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.

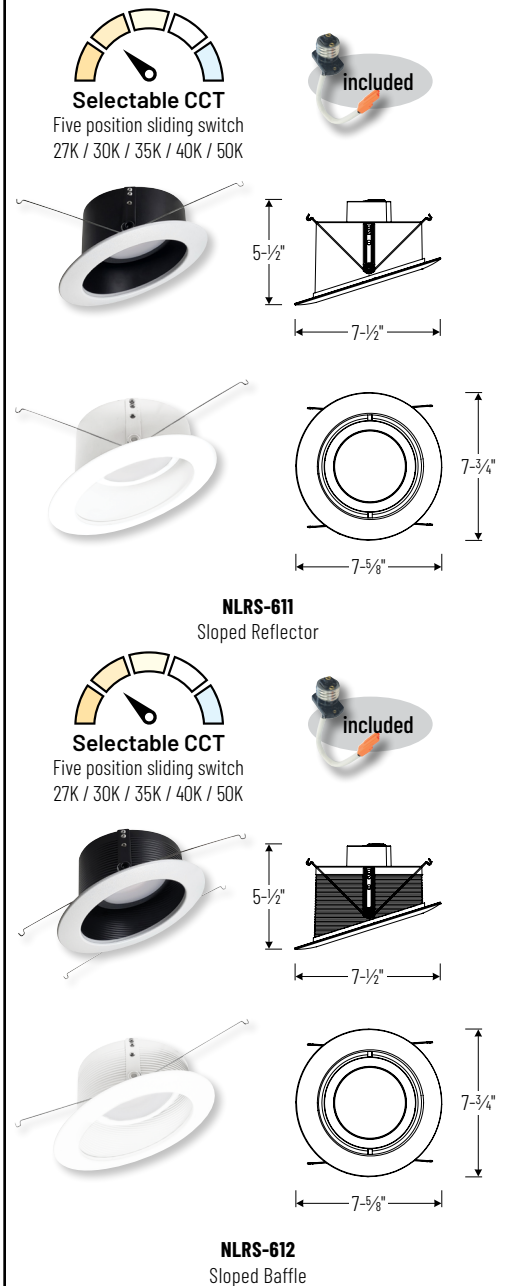
Notes

### Performance Data

Part Number	2700K	3000K	3500K	4000K	5000K
<b>NLRS-611</b>	1075lm	1134lm	1086lm	1203lm	1124lm
<b>NLRS-612</b>	1055lm	1144lm	1130lm	1203lm	1181lm

*Delivered lumens will vary depending on finish*

### PRODUCT IMAGES AND DIMENSIONS



## 6" Sloped LED Retrofit Downlights with Selectable CCT

Trim Type	Finish
<b>NLRS-611LITW</b> = Slope Reflector	<b>B</b> = Black / White Flange
<b>NLRS-612LITW</b> = Slope Baffle	<b>W</b> = White / White Flange

Example: **NLRS-611LITWW** = 6" Sloped LED Retrofit Reflector with Selectable CCT, 1200lm / 15W, White Reflector / White Flange

# PHOTOMETRICS

## 6" Slope LED Retrofit Reflector with Selectable CCT

Type

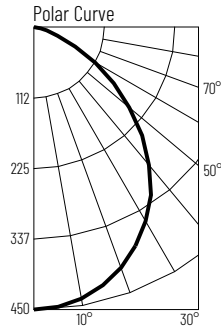
Project

Catalog No.

Notes

### Test Information

Test Number: NTR2137R  
 Part Number: NLRS-611LITWW  
 Beam Spread: 99° Wide Flood  
 Lumens: 1033lm  
 Wattage: 13.28W  
 Efficacy: 78lpw  
 CCT / CRI: 2700K / 90 CRI  
 Spacing Criteria (0°-180°): 1.32  
 Spacing Criteria (90°-270°): 1.28



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	28fc	9'-6"
6'	12.4fc	14'-2"
8'	7fc	18'-11"
10'	4.48fc	23'-8"
12'	3.1fc	28'-5"

### Zonal Lumen Summary

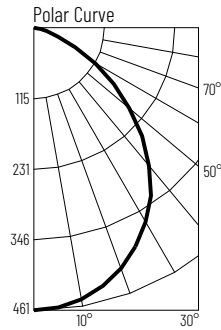
Zone	Lumens	% Luminaire
0-30	533	34.1
0-40	568	55
0-60	901	87.2
0-90	1033	100
90-180	0	0
0-180	1033	100

### Candela Table

Vertical Angles	Candela
0	448
5	449
15	441
25	418
35	378
45	327

### Test Information

Test Number: NTR2138R1  
 Part Number: NLRS-611LITWW  
 Beam Spread: 99° Wide Flood  
 Lumens: 1060lm  
 Wattage: 13.3W  
 Efficacy: 80lpw  
 CCT / CRI: 3000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.32  
 Spacing Criteria (90°-270°): 1.3



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	29fc	9'-6"
6'	13fc	14'-2"
8'	7.2fc	18'-11"
10'	4.6fc	23'-8"
12'	3.2fc	28'-5"

### Zonal Lumen Summary

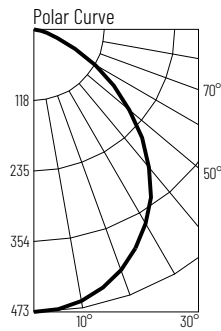
Zone	Lumens	% Luminaire
0-30	362	34.1
0-40	583	55
0-60	924	87.2
0-90	1060	100
90-180	0	0
0-180	1060	100

### Candela Table

Vertical Angles	Candela
0	460
5	461
15	453
25	428
35	388
45	335

### Test Information

Test Number: NTR2139R1  
 Part Number: NLRS-611LITWW  
 Beam Spread: 99° Wide Flood  
 Lumens: 1086lm  
 Wattage: 13.28W  
 Efficacy: 82lpw  
 CCT / CRI: 3500K / 90 CRI  
 Spacing Criteria (0°-180°): 1.32  
 Spacing Criteria (90°-270°): 1.28



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	29.5fc	9'-6"
6'	13.1fc	14'-2"
8'	7.4fc	18'-11"
10'	4.7fc	23'-8"
12'	3.3fc	28'-5"

### Zonal Lumen Summary

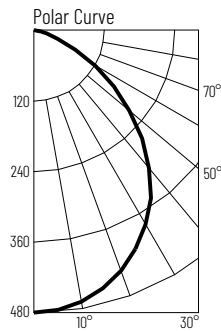
Zone	Lumens	% Luminaire
0-30	371	34.1
0-40	597	55
0-60	947	87.2
0-90	1086	100
90-180	0	0
0-180	1086	100

### Candela Table

Vertical Angles	Candela
0	471
5	472
15	464
25	439
35	397
45	344

### Test Information

Test Number: NTR2140R1  
 Part Number: NLRS-611LITWW  
 Beam Spread: 99° Wide Flood  
 Lumens: 1102lm  
 Wattage: 13.28W  
 Efficacy: 83lpw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.32  
 Spacing Criteria (90°-270°): 1.28



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	30fc	9'-6"
6'	13.3fc	14'-2"
8'	7.5fc	18'-11"
10'	4.8fc	23'-8"
12'	3.3fc	28'-5"

### Zonal Lumen Summary

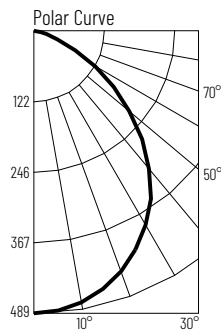
Zone	Lumens	% Luminaire
0-30	376	34.1
0-40	606	55
0-60	961	87.2
0-90	1102	100
90-180	0	0
0-180	1102	100

### Candela Table

Vertical Angles	Candela
0	478
5	479
15	471
25	445
35	403
45	349

### Test Information

Test Number: NTR2141R1  
 Part Number: NLRS-611LITWW  
 Beam Spread: 99° Wide Flood  
 Lumens: 1124lm  
 Wattage: 13.28W  
 Efficacy: 85lpw  
 CCT / CRI: 5000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.32  
 Spacing Criteria (90°-270°): 1.28



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	30.5fc	9'-6"
6'	13.5fc	14'-2"
8'	7.6fc	18'-11"
10'	4.9fc	23'-8"
12'	3.4fc	28'-5"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	384	34.1
0-40	618	55
0-60	980	87.2
0-90	1124	100
90-180	0	0
0-180	1124	100

### Candela Table

Vertical Angles	Candela
0	488
5	489
15	480
25	454
35	411
45	356

# PHOTOMETRICS

## 6" Slope LED Retrofit Baffle with Selectable CCT

Type

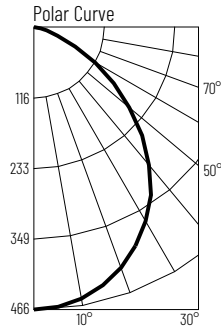
Project

Catalog No.

Notes

### Test Information

Test Number: NTR2159R1  
 Part Number: NLRS-612LITWW  
 Beam Spread: 99° Wide Flood  
 Lumens: 1070lm  
 Wattage: 13.28W  
 Efficacy: 81lpw  
 CCT / CRI: 2700K / 90 CRI  
 Spacing Criteria (0°-180°): 1.32  
 Spacing Criteria (90°-270°): 1.28



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	29fc	9'-6"
6'	13fc	14'-2"
8'	7.3fc	18'-11"
10'	4.6fc	23'-8"
12'	3.2fc	28'-5"

### Zonal Lumen Summary

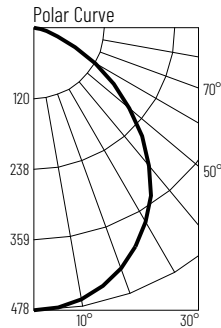
Zone	Lumens	% Luminaire
0-30	366	34.1
0-40	589	55
0-60	933	87.2
0-90	1070	100
90-180	0	0
0-180	1070	100

### Candela Table

Vertical Angles	Candela
0	464
5	465
15	457
25	433
35	391
45	339

### Test Information

Test Number: NTR2138R1  
 Part Number: NLRS-612LITWW  
 Beam Spread: 99° Wide Flood  
 Lumens: 1099lm  
 Wattage: 13.28W  
 Efficacy: 83lpw  
 CCT / CRI: 3000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.32  
 Spacing Criteria (90°-270°): 1.28



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	29.8fc	9'-6"
6'	13.2fc	14'-2"
8'	7.5fc	18'-11"
10'	4.8fc	23'-8"
12'	3.3fc	28'-5"

### Zonal Lumen Summary

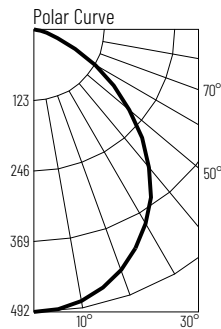
Zone	Lumens	% Luminaire
0-30	375	34.1
0-40	605	55
0-60	958	87.2
0-90	1098	100
90-180	0	0
0-180	1098	100

### Candela Table

Vertical Angles	Candela
0	477
5	478
15	469
25	444
35	402
45	348

### Test Information

Test Number: NTR2139R1  
 Part Number: NLRS-611LITWW  
 Beam Spread: 99° Wide Flood  
 Lumens: 1130lm  
 Wattage: 13.28W  
 Efficacy: 85lpw  
 CCT / CRI: 3500K / 90 CRI  
 Spacing Criteria (0°-180°): 1.32  
 Spacing Criteria (90°-270°): 1.28



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	30.6fc	9'-6"
6'	13.6fc	14'-2"
8'	7.7fc	18'-11"
10'	4.9fc	23'-8"
12'	3.4fc	28'-5"

### Zonal Lumen Summary

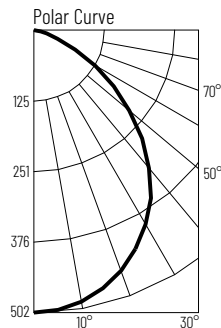
Zone	Lumens	% Luminaire
0-30	386	34.1
0-40	622	55
0-60	985	87.2
0-90	1130	100
90-180	0	0
0-180	1130	100

### Candela Table

Vertical Angles	Candela
0	490
5	491
15	483
25	457
35	413
45	358

### Test Information

Test Number: NTR2162R1  
 Part Number: NLRS-612LITWW  
 Beam Spread: 99° Wide Flood  
 Lumens: 1153lm  
 Wattage: 13.28W  
 Efficacy: 87lpw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.32  
 Spacing Criteria (90°-270°): 1.28



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	31.3fc	9'-6"
6'	14fc	14'-2"
8'	7.8fc	18'-11"
10'	5fc	23'-8"
12'	3.5fc	28'-5"

### Zonal Lumen Summary

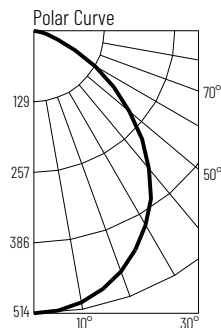
Zone	Lumens	% Luminaire
0-30	394	34.1
0-40	634	55
0-60	1005	87.2
0-90	1153	100
90-180	0	0
0-180	1153	100

### Candela Table

Vertical Angles	Candela
0	500
5	501
15	493
25	466
35	422
45	365

### Test Information

Test Number: NTR2163R1  
 Part Number: NLRS-612LITWW  
 Beam Spread: 99° Wide Flood  
 Lumens: 1181lm  
 Wattage: 13.28W  
 Efficacy: 89lpw  
 CCT / CRI: 5000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.32  
 Spacing Criteria (90°-270°): 1.28



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	32fc	9'-6"
6'	14.2fc	14'-2"
8'	8fc	18'-11"
10'	5.1fc	23'-8"
12'	3.6fc	28'-5"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	403	34.1
0-40	649	55
0-60	1030	87.2
0-90	1181	100
90-180	0	0
0-180	1181	100

### Candela Table

Vertical Angles	Candela
0	512
5	513
15	505
25	477
35	432
45	374