

# NOXLV-4

## 4" Onyx 12VAC Low Voltage LED Retrofit

Source: 11W  
800lm

Type

Project

Catalog No.

Notes

### PRODUCT DESCRIPTION

4" Onyx Low Voltage Retrofit luminaires are perfect solution to convert low voltage recessed housings into LED luminaire. Each fixture include an integral tunable CCT switch to change the color temperature appearance. Spun aluminum construction provides clean sharp edges and is suitable for use with most 4" low voltage housings. Deep regressed optics and round aperture deliver even and glare-free illumination.

### FEATURES

- 800lm / 11W LED light engine
- Five color temperatures in each fixture (2700K / 3000K / 3500K / 4000K / 5000K)
- Integral dimmable driver
- Includes retrofit adapter for easy installation in 4" low voltage housings
- 5-year limited warranty
- cULus classified for wet locations

### SPECIFICATION

**Reflector:** One piece, spun aluminum construction dissipates heat and extends life. Unitized Thermal Management, UTM, provides exceptional cool operation.

**Mounting:** Two steel, spring mounting blades allow for easy and secure mounting in most 4" low voltage housings.

**Retrofit:** Luminaires include a bi-pin socket adapter for retrofitting into GU5.3 sockets. Intended to be used as a LED lamp replacement.

### ELECTRICAL

**Input Voltage:** 12VAC 50/60Hz

**Lumens / Wattage:** 800lm / 11W

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

**Color Rendering Index:** 90+ CRI

**Dimming:** Triac (Leading Edge) or ELV (Trailing Edge)

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

### COMPATIBLE HOUSINGS

Onyx low voltage retrofits are compatible with most 4" IC and Non-IC low voltage housings by Nora and others.

[NLIC-401](#) 4" IC Air-Tight Double Wall New Construction

[NL-401](#) 4" Non-IC New Construction

[NLR-404](#) 4" Non-IC Remodel

### LABELS AND LISTINGS

- cETLus classified for Wet Locations
- [5-Year Limited Warranty](#)
- FCC compliant
- Certified to the high efficacy requirements of California Title 24 JA8-2022



Performance Data		
Part Number	Lumens	CCT
<b>NOXLV-4R1TWW</b>	717lm	2700K
<b>NOXLV-4R1TWW</b>	773lm	3000K
<b>NOXLV-4R1TWW</b>	824lm	3500K
<b>NOXLV-4R1TWW</b>	842lm	4000K
<b>NOXLV-4R1TWW</b>	826lm	5000K

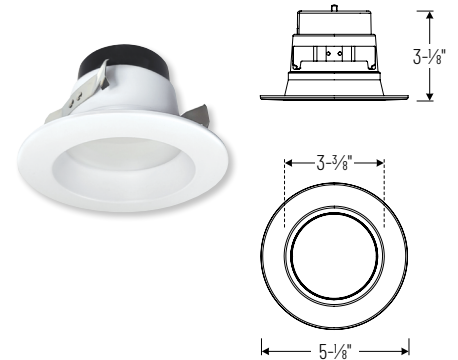
*Delivered lumens will vary depending on trim type*

### PRODUCT IMAGES AND DIMENSIONS

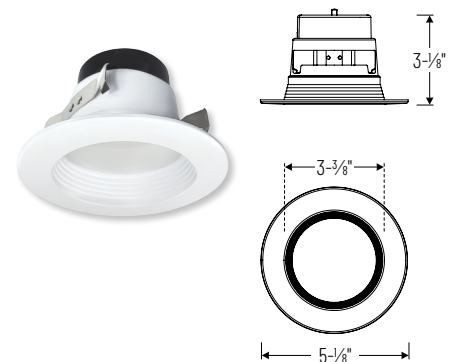


#### Selectable CCT

Five position switch  
27K / 30K / 35K / 40K / 50K



**NOXLV-4R1TWW**  
Reflector



**NOXLV-4R2TWW**  
Baffle

## 4" Onyx 12VAC Low Voltage LED Retrofit

Trim Type	Color Temperature	Finish
<b>NOXLV-4R1</b> = Round Reflector	<b>TW</b> = Selectable CCT (2700K / 3000K / 3500K / 4000K / 5000K)	<b>WW</b> = White / White Flange
<b>NOXLV-4R2</b> = Round Baffle		

Example: **NOXLV-4R1TWW** = 4" Onyx 12VAC Low Voltage LED Retrofit Reflector, White Reflector / White Flange

# PHOTOMETRICS

## 4" Onyx 12VAC Low Voltage LED Retrofit

Type

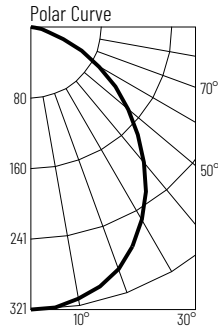
Project

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### Test Information

Test Number: NTR2119R1  
 Part Number: NOXLV-4RITWWW  
 Beam Spread: 94.5° Wide Flood  
 Lumens: 717lm  
 Wattage: 10.22W  
 Efficacy: 70lpw  
 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'	20.0fc	8'-8"
6'	8.9fc	13'-0"
8'	5.0fc	17'-4"
10'	3.2fc	21'-7"
12'	2.2fc	26'-0"

### Zonal Lumen Summary

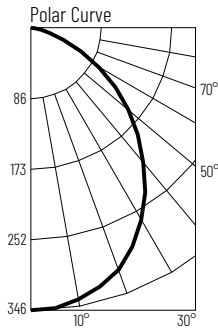
Zone	Lumens	% Luminaire
0-30	241	33.6
0-40	383	53.4
0-60	621	86.7
0-90	717	100
90-180	0	0
0-180	717	100

### Candela Table

Vertical Angles	Candela
0	321
5	319
15	305
25	275
35	228
45	173

### Test Information

Test Number: NTR2120R1  
 Part Number: NOXLV-4RITWWW  
 Beam Spread: 94.5° Wide Flood  
 Lumens: 773lm  
 Wattage: 10.06W  
 Efficacy: 77lpw  
 CCT / CRI: 3000K / 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'	21.6fc	8'-8"
6'	9.6fc	13'-0"
8'	5.4fc	17'-4"
10'	3.5fc	21'-7"
12'	2.4fc	26'-0"

### Zonal Lumen Summary

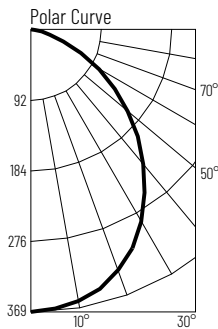
Zone	Lumens	% Luminaire
0-30	260	33.6
0-40	413	53.4
0-60	670	86.7
0-90	773	100
90-180	0	0
0-180	773	100

### Candela Table

Vertical Angles	Candela
0	346
5	344
15	328
25	296
35	246
45	186

### Test Information

Test Number: NTR2121R1  
 Part Number: NOXLV-4RITWWW  
 Beam Spread: 94.5° Wide Flood  
 Lumens: 824lm  
 Wattage: 9.86W  
 Efficacy: 84lpw  
 CCT / CRI: 3500K / 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'	23.0fc	8'-8"
6'	10.2fc	13'-0"
8'	5.8fc	17'-4"
10'	3.7fc	21'-7"
12'	2.6fc	26'-0"

### Zonal Lumen Summary

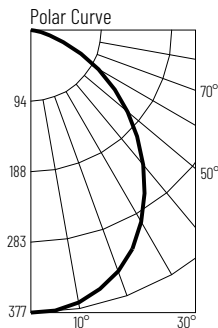
Zone	Lumens	% Luminaire
0-30	277	33.6
0-40	440	53.4
0-60	714	86.7
0-90	824	100
90-180	0	0
0-180	824	100

### Candela Table

Vertical Angles	Candela
0	369
5	367
15	350
25	316
35	262
45	198

### Test Information

Test Number: NTR2122R1  
 Part Number: NOXLV-4RITWWW  
 Beam Spread: 94.5° Wide Flood  
 Lumens: 842lm  
 Wattage: 9.94W  
 Efficacy: 85lpw  
 CCT / CRI: 4000K / 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'	23.5fc	8'-8"
6'	10.5fc	13'-0"
8'	5.9fc	17'-4"
10'	3.8fc	21'-7"
12'	2.6fc	26'-0"

### Zonal Lumen Summary

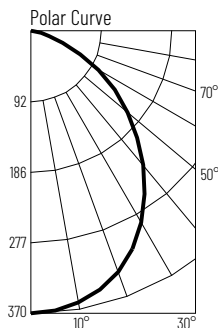
Zone	Lumens	% Luminaire
0-30	283	33.6
0-40	450	53.4
0-60	730	86.7
0-90	842	100
90-180	0	0
0-180	842	100

### Candela Table

Vertical Angles	Candela
0	377
5	375
15	358
25	322
35	268
45	203

### Test Information

Test Number: NTR2123R1  
 Part Number: NOXLV-4RITWWW  
 Beam Spread: 94.5° Wide Flood  
 Lumens: 826lm  
 Wattage: 10.21W  
 Efficacy: 81lpw  
 CCT / CRI: 5000K / 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'	23.1fc	8'-8"
6'	10.3fc	13'-0"
8'	5.8fc	17'-4"
10'	3.7fc	21'-7"
12'	2.6fc	26'-0"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	278	33.8
0-40	441	53.7
0-60	716	86.8
0-90	826	100
90-180	0	0
0-180	826	100

### Candela Table

Vertical Angles	Candela
0	370
5	368
15	351
25	316
35	263
45	199