

# NPRLV-4SNB

## 4" Pearl 12VAC Low Voltage LED Square Bullnose Retrofit

Source: 11W LED  
1200lm

Type

Project

Catalog No.

Notes

### PRODUCT DESCRIPTION

Pearl low voltage retrofit series is cULus classified for use in existing IC or Non-IC housings manufactured by Nora and others. The 4" retrofit luminaires deliver up to 1200 lumens with filleted aperture which allows for minimal aperture brightness while still producing the nadir footcandles.

### FEATURES

- Comfort Dim (warm dimming) is available in 700lm only
- 2700K, 3000K, 3500K, 4000K @ 90+ CRI
- Field changeable optics included (Spot, Narrow Flood and Flood - installed)
- Integral dimmable driver
- 5-year limited warranty
- cULus classified for wet locations

### SPECIFICATION

**Construction:** Trims are constructed of heat dissipating, die-cast aluminum. The aluminum die-cast LED heat sink is threaded to fit the trim and transfer heat.

**Mounting:** Luminaire includes friction blades to mount securely to housing.

### OPTICS

Three field changeable optics (spot, narrow flood and flood) are included with each LED module. Premium 22° and 26° TIR optics are also available.

### ELECTRICAL

**Input Voltage:** 12VAC 60Hz

**Socket:** GU5.3

**Lumens / Wattage:** 1200lm / 11W (700lm w/ Comfort Dim)

**Color Temperature:** 2700K, 3000K, 3500K, 4000K

**Color Rendering Index:** 90+ CRI

**Beam Spread:** 27° Spot, 39° Narrow Flood, 64° Flood

**Operating Temperature:** 0°C to 25°C

**Lifetime:** 50,000 hours @ L70

**Comfort Dim:** Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve. Available in 700lm only.

**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

Pearl retrofits are compatible with 4" IC and Non-IC 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

**Accessories:** Luminaires can accommodate (1) hex louver and (1) translucent deco collar or opaque snoot, no accessory holder is required, see accessories page.

### LABELS AND LISTINGS

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

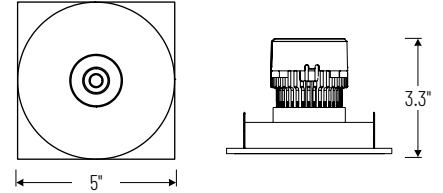


### Performance Data

Part Number	Lumens	CCT	Optic
<b>NPRLV-4SNB40XWW</b>	1209lm	4000K	Spot
<b>NPRLV-4SNB40XWW</b>	1202lm	4000K	Narrow
<b>NPRLV-4SNB40XWW</b>	1182lm	4000K	Flood

Delivered lumens will vary depending on CCT, optic and finish

### PRODUCT IMAGES & DIMENSIONS



**NPRLV-4SNB**  
Square Bullnose  
Non-Adjustable



**BB**  
Black



**BZ**  
Bronze



**MPW**  
Matte Powder White



**NN**  
Natural Metal



**WW**  
White

## 4" Pearl 12VAC Low Voltage LED Square Bullnose Retrofit

Color Temperature	Finish
<b>NPRLV-4SNB27X</b> = 2700K	<b>BB</b> = Black
<b>NPRLV-4SNB30X</b> = 3000K	<b>BZ</b> = Bronze
<b>NPRLV-4SNB35X</b> = 3500K	<b>MPW</b> = Matte Powder White
<b>NPRLV-4SNB40X</b> = 4000K	<b>NN</b> = Natural Metal
<b>NPRLV-4SNBCDX</b> = Comfort Dim	<b>WW</b> = White

Example: **NPRLV-4SNB27XWW** = 4" Pearl 12VAC Low Voltage LED Square Bullnose Retrofit, 2700K, White finish

# Pearl Accessories

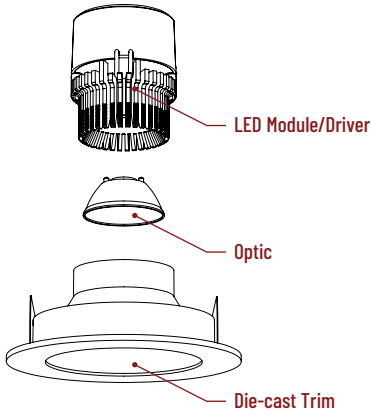
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### FIELD CHANGEABLE OPTICS

Pearl luminaires include spot, narrow flood and flood optics. Optics can be changed in the field by removing LED module from die-cast trim. Replacement optics include an optional frosted lens.

**Note:** Premium TIR optics are not compatible with Comfort Dim LED modules.



Frosted Optics

**NIO-REFL38FR** 60° Optic  
**NIO-REFL60FR** 73° Optic

Replaces optics that are included with each LED module.



Premium TIR Optics

**NIO-REFLTIR15** 22° Optic  
**NIO-REFLTIR25** 26° Optic

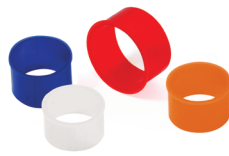
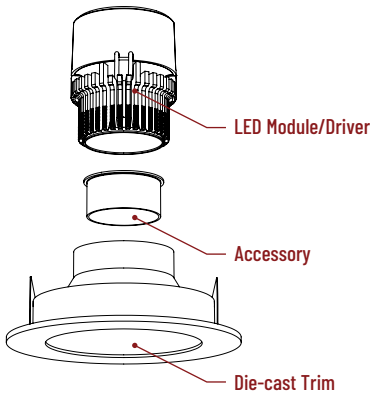
Premium TIR (total internal reflection) optics create optimal spot and narrow flood beam spread.

**Not compatible with Comfort Dim (CDX) LED module**

### ACCESSORIES

Pearl accessories can be added at any point in the design process. Accessories easily install between LED module and die-cast trim.

Luminaire will accommodate (1) hex louver and (1) collar accessory, no accessory holder required.



Translucent Decorative Collar

**NIO-AS14(color)** 5/8" length  
**NIO-AS19(color)** 3/4" length  
**NIO-AS26(color)** 1" length  
**Color:**  
**AM** (amber), **BLU** (blue), **FR** (frosted), **R** (red)

Translucent collars color the aperture with the specified color while producing white general light. Collars are available in different lengths. Use to add interest, create a theme, match a theme or define a space.



Opaque Collar Snoot

**NIO-AS14(color)** 5/8" length  
**NIO-AS19(color)** 3/4" length  
**NIO-AS26(color)** 1" length  
**Color:**  
**MPW** (matte powder white), **WH** (white)

Opaque snoot greatly reduces aperture brightness while preserving light output.



Hex Cell Louver

**NIO-HC** Black  
 Hex cell louver subtly reduces aperture brightness by reducing light output by about 20%.

Hex cell louver is not compatible with TIR optics.

# PHOTOMETRICS

## 4" Pearl 12VAC Low Voltage LED Square Bullnose Retrofit

Type

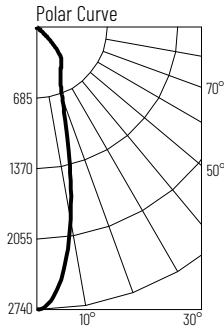
Project

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### Test Information

Test Number: NTR2243R1  
 Part Number: NPRLV-4SNB40XWW  
 Beam Spread: 27° Spot  
 Lumens: 1209lm  
 Wattage: 10.88W  
 Efficacy: 111pw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180°): 0.46  
 Spacing Criteria (90°-270°): 0.46



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	171fc	1'-11"
6'	76.1fc	2'-11"
8'	42.8fc	3'-10"
10'	27.4fc	4'-10"
12'	19fc	5'-10"

### Zonal Lumen Summary

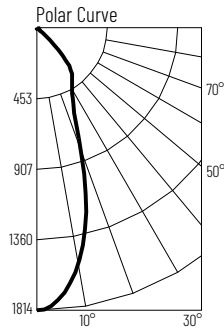
Zone	Lumens	% Luminaire
0-30	815	67.4
0-40	1063	87.9
0-60	1194	98.8
0-90	1209	100
90-180	0	0
0-180	1209	100

### Candela Table

Vertical Angles	Candela
0	2740
5	2506
15	1151
25	545
35	409
45	115

### Test Information

Test Number: NTR2244R1  
 Part Number: NPRLV-4SNB40XWW  
 Beam Spread: 39° Narrow Flood  
 Lumens: 1202lm  
 Wattage: 10.88W  
 Efficacy: 110pw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180°): 0.64  
 Spacing Criteria (90°-270°): 0.64



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	113fc	2'-11"
6'	50.4fc	4'-4"
8'	28.3fc	5'-8"
10'	18.1fc	7'-1"
12'	12.6fc	8'-7"

### Zonal Lumen Summary

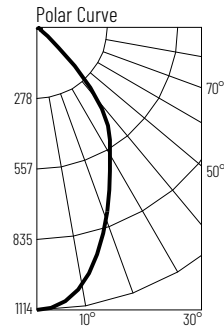
Zone	Lumens	% Luminaire
0-30	709	59
0-40	945	78.7
0-60	1182	98.3
0-90	1202	100
90-180	0	0
0-180	1202	100

### Candela Table

Vertical Angles	Candela
0	1814
5	1736
15	1221
25	614
35	408
45	134

### Test Information

Test Number: NTR2245R1  
 Part Number: NPRLV-4SNB40XWW  
 Beam Spread: 64° Flood  
 Lumens: 1182lm  
 Wattage: 10.88W  
 Efficacy: 109pw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180°): 0.9  
 Spacing Criteria (90°-270°): 0.88



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	69.6fc	5'
6'	30.9fc	7'-6"
8'	17.4fc	10'
10'	11.1fc	12'-6"
12'	7.7fc	15'

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	683	57.8
0-40	988	83.6
0-60	1160	98.2
0-90	1182	100
90-180	0	0
0-180	1182	100

### Candela Table

Vertical Angles	Candela
0	1114
5	1091
15	935
25	698
35	501
45	171