

NPRLV-4RTLA

4" Pearl 12VAC Low Voltage LED Round Trimless Adjustable Retrofit

Source: 10W LED

1150lm

PRODUCT DESCRIPTION

Pearl low voltage retrofit series is cULus classified for use in existing IC or Non-IC housings manufactured by Nora and others. Each luminaire requires a trimless mud ring and will have no exposed trim flange or extend beyond the ceiling plane. Regressed cone reflector optimizes visual cut-off and adjust up to 35°.

FEATURES

- Retrofit existing 4" or 6" recessed housings
- 2700K, 3000K, 3500K, 4000K @ 90+ CRI
- Field changeable optics included (Spot, Narrow Flood and Flood - installed)
- Integral dimmable driver
- 5-year limited warranty

SPECIFICATION

Construction: Trims are constructed of heat-dissipating die-cast aluminum. A threaded aluminum LED heat sink integrates directly with the trim for optimal heat transfer, while a heat-resistant polycarbonate blend plate enhances overall temperature control and performance.

Mounting: Luminaire includes stainless steel friction clips to mount securely to trimless mud ring. Mud ring is required per trimless downlight.

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: 1150lm / 10W

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

Color Rendering Index: 90+ CRI

Beam Spread: 25° Spot, 36° Narrow Flood, 63° Flood

Operating Temperature: 0°C to 25°C

Lifetime: 50,000 hours @ L70

Dimming: Triac (leading edge) or ELV (trailing edge)

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

COMPATIBLE HOUSINGS

Pearl retrofits are compatible with most 4" ([NPR-TLMR-4R](#)) and 6" ([NPR-TLMR-6R](#)) housings by Nora and others.

NLIC-401 4" IC Air-Tight Double Wall New Construction

NL-401 4" Non-IC New Construction

NLIC-601 6" IC Air-Tight Double Wall New Construction

NL-601 6" Non-IC New Construction

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

LABELS AND LISTINGS

- cULus classified for Damp Locations
- [5-Year Limited Warranty](#)
- RoHS compliant
- Certified to the requirements of CA Title 24 JA8-2025
- Patent Pending



4" Pearl 12VAC Low Voltage LED Round Trimless Adjustable Retrofit

Color Temperature

Finish

NPRLV-4RTLA27X = 2700K	BB = Black
NPRLV-4RTLA30X = 3000K	BW = Black Adjustable / Warm White Reflector
NPRLV-4RTLA35X = 3500K	BZ = Bronze
NPRLV-4RTLA40X = 4000K	CH = Champagne Haze
	CHMPW = Champagne Haze Adjustable / Bright White Reflector
	HW = Haze Adjustable / Warm White Reflector
	HZ = Haze
	HZMPW = Haze Adjustable / Bright White Reflector
	MPW = Bright White
	WW = Warm White

Example: **NPRLV-4RTLA40XMPW** = 4" Pearl 12VAC Low Voltage LED Round Trimless Adjustable Retrofit, 4000K, Bright White finish

Type

Project

Catalog No.

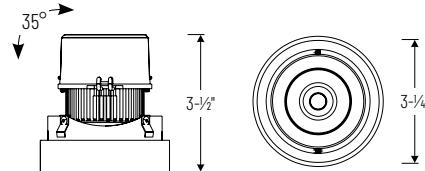
Notes

Performance Data

Part Number	Lumens	CCT	Optic
NPRLV-4RTLA40XMPW	1184lm	4000K	Spot
NPRLV-4RTLA40XMPW	1190lm	4000K	Narrow
NPRLV-4RTLA40XMPW	1186lm	4000K	Flood

Delivered lumens will vary depending on CCT, optic and finish

PRODUCT IMAGES AND DIMENSIONS



NPRLV-4RTLA

Round Trimless Adjustable Retrofit

Adjustability: 35°



BB
Black Adjustable
Black Reflector



BW
Black Adjustable
Warm White Reflector



BZ
Bronze Adjustable
Bronze Reflector



CH
Champagne Haze Adjustable
Champagne Haze Reflector



CHMPW
Champagne Haze Adjustable
Bright White Reflector



HW
Haze Adjustable
Warm White Reflector



HZ
Haze Adjustable
Haze Reflector



HZMPW
Haze Adjustable
Bright White Reflector



MPW
Bright White Adjustable
Bright White Reflector



WW
Warm White Adjustable
Warm White Reflector

Pearl Trimless Mud Rings

Description

NPR-TLMR-4R = Trimless Mud Ring for 4" Recessed Housings

NPR-TLMR-6R = Trimless Mud Ring for 6" Recessed Housings

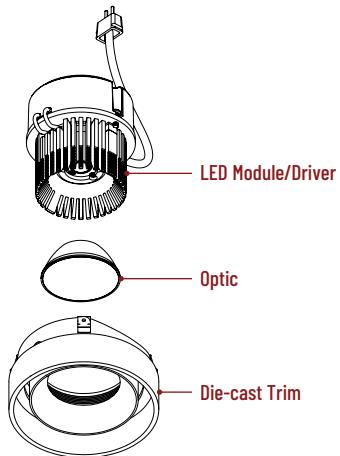
ACCESSORIES

4" Pearl 12VAC Low Voltage LED Round Trimless Adjustable Retrofit

Type	
Project	
Catalog No.	
Notes	

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. Optional frosted and TIR optics are also available.



Frosted Optics



NIO-REFL38FR
NIO-REFL60FR

60° Optic
73° Optic

Replaces optics that are included with each LED module.

Premium TIR Optics



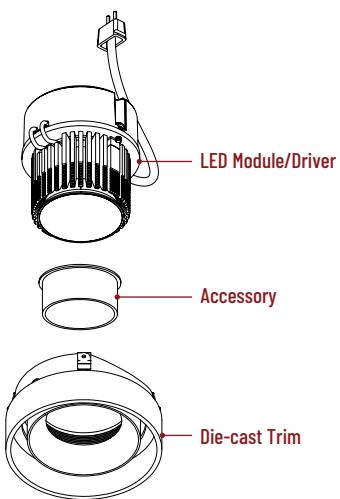
NIO-REFLTIR15
NIO-REFLTIR25

22° Optic
26° Optic

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

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-AS14WH
NIO-AS19MPW
NIO-AS19WH
NIO-AS26WH

5/8" length / warm white finish
5/8" length / bright white finish
5/8" length / warm white finish
1" length / warm white finish

NIO-AS19(color)

3/4" length

NIO-AS19WH
NIO-AS19MPW
NIO-AS19WH
NIO-AS26WH

3/4" length / warm white finish
3/4" length / bright white finish
3/4" length / warm white finish
1" length / warm white finish

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



Opaque snoot greatly reduces aperture brightness while preserving light output.

Hex Cell Louver



NIO-HC

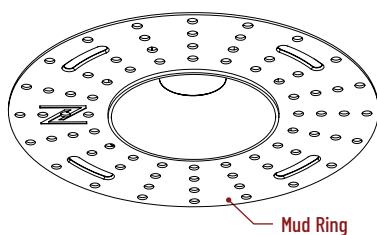
Black

Hex cell louver subtly reduces aperture brightness by reducing light output by about 20%.

Hex cell louver is *not* compatible with TIR optics.

TRIMLESS

4" Pearl trimless reflectors have no exposed trim flange and the result is a minimalist knife edge appearance. A trimless mount mud ring is installed after the drywall and a professional drywall finisher floats the ceiling to blend in the mud ring.



Trimless Mount Mud Ring

NPR-TLMR-4R
NPR-TLMR-6R

for 4" recessed housings
for 6" recessed housings

Mounts trimless reflector with no exposed flange and no extension beyond ceiling plane. Mud ring attaches to drywall. Diameter: 7.35" (NPR-TLMR-4R) or 8" (NPR-TLMR-6R) Thickness: 0.05"



Suction Cup for Removal

NIO-TLSUCTION

Assist removing trimless reflector from finished ceiling after installation. For maintenance on trimless reflector.