

NPR-4RTSLA

4" Pearl LED Round Trimless Adjustable Slot Retrofit

Source: 10W

1050lm

PRODUCT DESCRIPTION

4" Trimless Pearl 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 construction optimizes visual cut-off and adjust up to 35°.

FEATURES

- Medium base socket adapter included
- Retrofit existing 4" or 6" recessed housings
- Comfort Dim (warm dimming) is available in 600lm only
- 2700K, 3000K, 3500K, 4000K @ 90+ CRI
- Three field changeable optics included
- 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 - installed) are included with each LED module. Premium 22° and 26° TIR optics are also available.

ELECTRICAL

Input Voltage: 120VAC

Lumens / Wattage: 1050lm / 10W (600lm w/ Comfort Dim)

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

Color Rendering Index: 90+ CRI

Beam Spread: 26° Spot, 30° Narrow Flood, 55° Flood

Operating Temperature: Specified by housing

Lifetime: 50,000 hours @ L70

Comfort Dim: Comfort Dim color tunes the temperature from a bright 3000K, to a romantic and comfortable 2000K on a gradual, even curve. Available in 600lm only.

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.

NSIC-4LMRAT* 4" Max. Adjustability ICAT Dedicated LED
NHIC-4LMRAT* 4" ICAT Dedicated LED
NHIC-4LMRAT/277*¹ 4" ICAT Dedicated LED, 277V (includes step-down transformer)

NHICCP-4LMRAT* 4" CCEA Dedicated LED
NSIC-401QAT 4" ICAT Line Voltage
NS-401QAT 4" AT Line Voltage
NHIC-4624AT 4" ICAT GU24
NHIC-6LMRAT* 6" ICAT Dedicated LED
NHIC-6LMRAT/277*¹ 6" ICAT Dedicated LED, 277V
NHICCP-6LMRAT* 6" Chicago Plenum Dedicated LED
NHIC-27LMRAT* 6" ICAT Shallow Dedicated LED
NHIC-17QAT 6" ICAT Line Voltage
NHIC-17QNBAT 6" ICAT Line Voltage (No Bracket)
NHIC-27QAT 6" ICAT Shallow Line Voltage
NH-260 6" Line Voltage
NH-270 6" Shallow Line Voltage
NHIC-6G24ATFL 6" ICAT GU24

* Nora Dedicated LED housings are cULus listed for use only with Nora LED Retrofits.

¹ Housings include a step down transformer.

Retrofit: A medium base screw-socket adapter is included for retrofitting into existing housings. Medium base sockets may require removal, dependent on trim and housing height. A GU24 socket adapter is also available, ordered separately (NRA-212SM).

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



4" Pearl LED Round Trimless Adjustable Slot Retrofit

Color Temperature	Finish
NPR-4RTSLA27X = 2700K	BB = Black
NPR-4RTSLA30X = 3000K	BZ = Bronze
NPR-4RTSLA35X = 3500K	CH = Champagne Haze
NPR-4RTSLA40X = 4000K	HZ = Haze
NPR-4RTSLACDX = Comfort Dim	MPW = Bright White
	WW = Warm White

Example: **NPR-4RTSLA40XMPW / NPR-TLMR-4R** = 4" Pearl LED Round Trimless Adjustable Slot Retrofit, 4000K, Bright White finish / Trimless Mud Ring for 4" Recessed Housings

Type

Project

Catalog No.

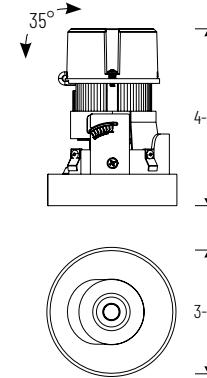
Notes

Performance Data

Part Number	Lumens	CCT	Optic
NPR-4RTSLA40XMPW	1062lm	3500K	Spot
NPR-4RTSLA40XMPW	1068lm	3500K	Narrow
NPR-4RTSLA40XMPW	1063lm	3500K	Flood

Delivered lumens will vary depending on CCT, optic and finish

PRODUCT IMAGES AND DIMENSIONS



NPR-4RTSLA

Round Trimless Adjustable Slot Retrofit
Adjustability: 35°



BB

BZ



CH
Champagne Haze

HZ
Haze



MPW
Bright White

WW
Warm White

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

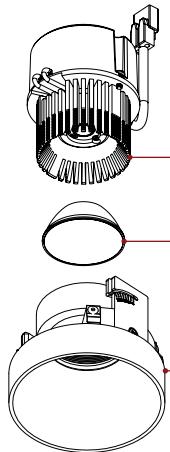
ACCESSORIES

4" Pearl LED Round Trimless Adjustable Slot 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. Note: Premium TIR optics are not compatible with Comfort Dim LED modules.



LED Module/Driver

Optic

Die-cast Trim



Frosted Optics

NIO-REFL38FR
NIO-REFL60FR

60° Optic
73° Optic

Replaces optics that are included with each LED module.



Premium TIR Optics

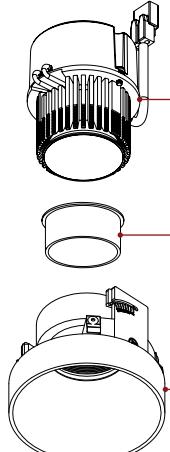
NIO-REFLTIR15
NIO-REFLTIR25

22° Optic
26° Optic

Premium TIR (total internal reflection) optics create optimal spot and narrow flood beam spread.
Not compatible with Comfort Dim (CDX) LED module

ACCESSORIES

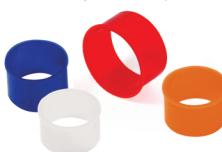
Pearl accessories can be added at any point in the design process. Accessories easily install between LED module and die-cast trim. Luminaire will accommodate (1) hex louver and (1) collar accessory, no accessory holder required.



LED Module/Driver

Accessory

Die-cast Trim



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-AS14WH

5/8" length / warm white finish

NIO-AS19MPW

3/4" length / bright white finish

NIO-AS19WH

3/4" length / warm white finish

NIO-AS26WH

1" length / warm white finish

Opaque snoot greatly reduces aperture brightness while preserving light output.



Hex Cell Louver

NIO-HC

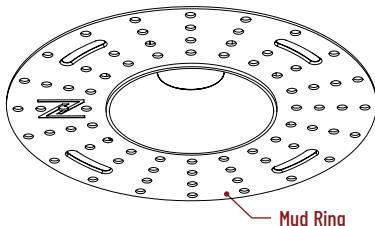
Black

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

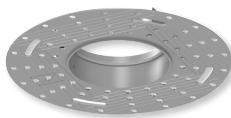
Hex cell louver is not compatible with TIR optics.

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.



Mud Ring



Trimless Mount Mud Ring

NPR-TLMR-4R

for 4" recessed housings

NPR-TLMR-6R

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

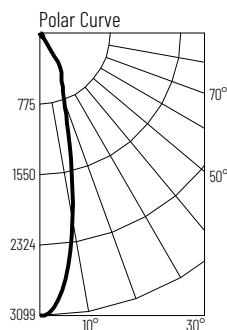
Assist removing trimless reflector from finished ceiling after installation. For maintenance on trimless reflector.

PHOTOMETRICS

4" Pearl LED Round Trimless Adjustable Slot Retrofit

Test Information

Test Number: NTR2799R1
 Part Number: NPR-4RTSLA40XMPW
 Beam Spread: 26° Spot
 Lumens: 1062lm
 Wattage: 9.85W
 Efficacy: 108pw
 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'	194fc	1'-11"
6'	86.1fc	2'-10"
8'	40.1fc	3'-10"
10'	25.6fc	4'-8"
12'	17.8fc	5'-7"

Type

Project

Catalog No.

Notes

Zonal Lumen Summary

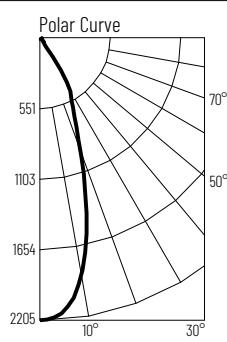
Zone	Lumens	% Luminaire
0-30	875	82.4
0-40	994	93.6
0-60	1043	98.3
0-90	1062	100
90-180	0	0
0-180	1062	100

Candela Table

Vertical Angles	Candela
0	3099
5	2835
15	1270
25	578
35	136
45	39

Test Information

Test Number: NTR2795R1
 Part Number: NPR-4RTSLA40XMPW
 Beam Spread: 36° Narrow Flood
 Lumens: 1068lm
 Wattage: 9.85W
 Efficacy: 108pw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180°): 0.6
 Spacing Criteria (90°-270°): 0.6



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	138fc	2'-7"
6'	61.3fc	3'-11"
8'	34.5fc	5'-2"
10'	22.1fc	6'-7"
12'	15.3fc	7'-11"

Zonal Lumen Summary

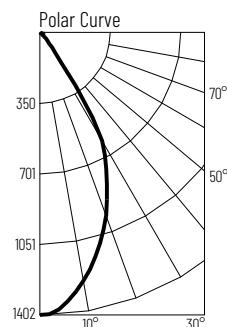
Zone	Lumens	% Luminaire
0-30	879	82.3
0-40	996	93.2
0-60	1049	98.2
0-90	1068	100
90-180	0	0
0-180	1068	100

Candela Table

Vertical Angles	Candela
0	2205
5	2145
15	1418
25	626
35	151
45	40

Test Information

Test Number: NTR2791R1
 Part Number: NPR-4RTSLA40XMPW
 Beam Spread: 55° Flood
 Lumens: 1063lm
 Wattage: 9.85W
 Efficacy: 108pw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180°): 0.84
 Spacing Criteria (90°-270°): 0.84



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	87.6fc	4'-2"
6'	38.9fc	6'-4"
8'	21.9fc	8'-5"
10'	14fc	10'-6"
12'	9.7fc	12'-6"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	799	75.1
0-40	978	92
0-60	1041	97.9
0-90	1063	100
90-180	0	0
0-180	1063	100

Candela Table

Vertical Angles	Candela
0	1402
5	1359
15	1118
25	787
35	251
45	49

Lumen Output Multipliers

Color Temperature: 2700K (0.89), 3000K (0.94), 3500K (0.98), 4000K (1.00)

Finish Multipliers

Finish: Black (0.89), Bronze (0.85), Champagne Haze (0.95), Haze (0.95), Bright White (1.00), Warm White (1.03)