

NPR-4RSL
4" Pearl 120V LED Round Adjustable Slot Aperture Retrofit
Source: 12W LED
850lm

PRODUCT DESCRIPTION
Pearl LED Retrofit series is cULus classified for use in existing IC housings manufactured by Nora. The 4" retrofit luminaires deliver up to 850 lumens with an adjustable slot aperture to focus the beam spread through 2-5/8" x 2" opening.

- FEATURES
• Medium base socket adapter included
• Retrofit existing 4" recessed housings
• Comfort Dim (warm dimming) is available in 650lm 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 damp 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: 120V
Lumens / Wattage: 850lm / 12W (650lm w/ Comfort Dim)
Color Temperature: 2700K, 3000K, 3500K, 4000K
Color Rendering Index: 90+CRI
Beam Spread: 28° Spot, 36° Narrow Flood, 47° 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 650lm 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 HOUSING
Pearl adjustable slot aperture retrofit reflectors are compatible with 4" Max. Adjustability IC housing by Nora only.
New Construction
NSIC-4LMRAT Max. Adjustability ICAT Dedicated LED

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

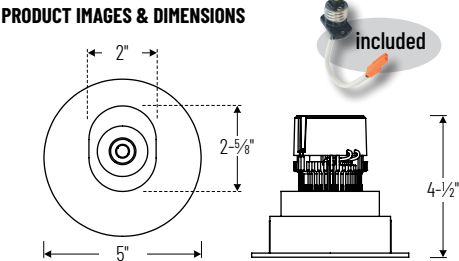
- LABELS AND LISTINGS
• cULus classified for Damp Locations
• RoHS compliant
• 5-Year Limited Warranty
• Certified to the high efficacy requirements of California Title 24 JA8-2022



Table with 1 column and 4 rows: Type, Project, Catalog No., Notes

Table with 4 columns: Part Number, Lumens, CCT, Optic. Rows for NPR-4RSL30XWW (884lm, 3000K, Spot), NPR-4RSL30XWW (872lm, 3000K, Narrow), NPR-4RSL30XWW (821lm, 3000K, Flood)

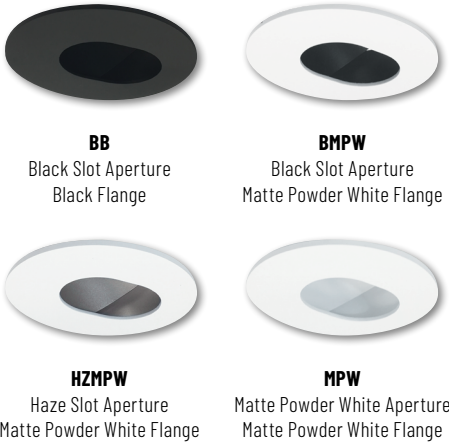
Delivered lumens will vary depending on CCT, optic and finish



NPR-4RSL

Round Adjustable Slot Aperture
30° Adjustable (varies by housing)

* For maximum adjustment use NSIC-4LMRAT *



4" Pearl 120V LED Round Adjustable Slot Aperture Retrofit

Table with 2 columns: Color Temperature, Finish. Rows for NPR-4RSL27X, NPR-4RSL30X, NPR-4RSL35X, NPR-4RSL40X, NPR-4RSLCDX with corresponding finish codes BB, BMPW, HZMPW, MPW.

Example: NPR-4RSL27XMPW = 4" Pearl 120V LED Round Adjustable Slot Aperture Retrofit, 2700K, Matte Powder White finish

Pearl LED Retrofit Accessories

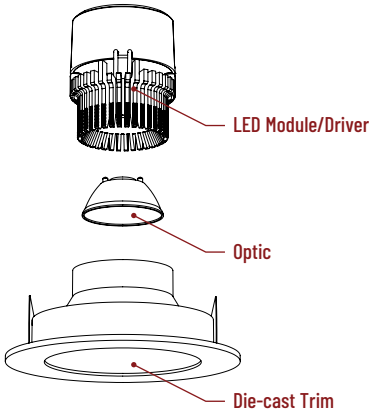
4" Pearl LED Round Adjustable Slot Aperture Retrofit

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. 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.



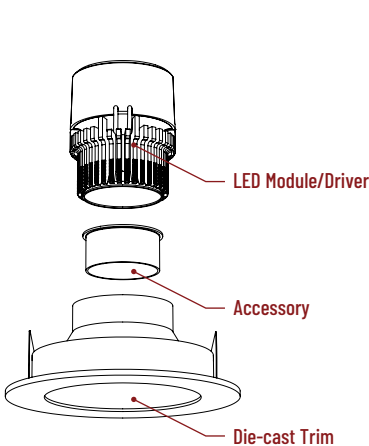
Premium TIR Optics


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%.

PHOTOMETRICS

4" Pearl LED Round Adjustable Slot Aperture Retrofit

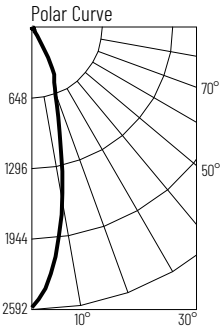
Type

Project

Catalog No.

Notes

Test Information
Test Number: NTR1539
Part Number: NPR-4RSL30XWW
Beam Spread: 28° Spot
Lumens: 884lm
Wattage: 11.69W
Efficacy: 76pw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 0.48
Spacing Criteria (90°-270°): 0.4

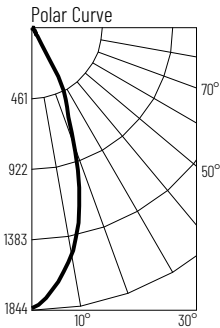


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	161fc	2'
6'	71.5fc	3'-1"
8'	40.2fc	4'-1"
10'	25.7fc	5'-1"
12'	17.9fc	6'-1"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	743	84
0-40	787	89
0-60	843	95.3
0-90	882	99.7
90-180	3	0.3
0-180	884	100

Candela Table	
Vertical Angles	Candela
0	2573
5	2375
15	1147
25	523
35	62
45	31

Test Information
Test Number: NTR1540
Part Number: NPR-4RSL30XWW
Beam Spread: 36° Narrow Flood
Lumens: 872lm
Wattage: 11.72W
Efficacy: 74pw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 0.62
Spacing Criteria (90°-270°): 0.54

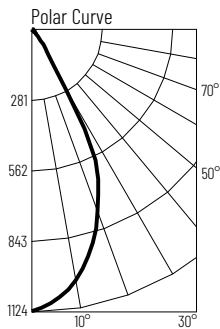


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	115fc	2'-11"
6'	50.9fc	4'-4"
8'	28.6fc	5'-8"
10'	18.3fc	7'-2"
12'	12.7fc	8'-7"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	728	83.5
0-40	773	88.6
0-60	828	95
0-90	870	99.7
90-180	2	0.3
0-180	872	100

Candela Table	
Vertical Angles	Candela
0	1832
5	1723
15	1213
25	547
35	54
45	29

Test Information
Test Number: NTR1541
Part Number: NPR-4RSL30XWW
Beam Spread: 47° Flood
Lumens: 821lm
Wattage: 11.67W
Efficacy: 70pw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 0.86
Spacing Criteria (90°-270°): 0.74



Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	70fc	4'-4"
6'	31.1fc	6'-5"
8'	17.5fc	8'-6"
10'	11.2fc	10'-7"
12'	7.8fc	12'-10"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	624	76
0-40	712	86.8
0-60	774	94.3
0-90	819	99.7
90-180	2	0.3
0-180	821	100

Candela Table	
Vertical Angles	Candela
0	1120
5	1095
15	929
25	674
35	137
45	35

Lumen Output Multipliers
Color Temperature: 2700K (0.97), 3000K (1.00), 3500K (1.05), 4000K (1.09)