

NPR-4RG

4" Pearl 120V LED Round Adjustable Gimbal Retrofit

Source: 10W LED
1050lm

PRODUCT DESCRIPTION

Pearl LED Retrofit series is cULus classified for use in existing IC or Non-IC housings manufactured by Nora and others. The 4" retrofit luminaires deliver over 1050 lumens with die-cast adjustable gimbal to aim the light source in desired direction.

FEATURES

- Medium base socket adapter included
- Retrofit existing 4" 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
- cULus classified for damp locations

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 friction blades to mount securely to housing.

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: 120V

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

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

Color Rendering Index: 90+CRI

Beam Spread: 24° Spot, 33° Narrow Flood, 55° Flood

Operating Temperature: 0°C to 25°C

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" IC and Non-IC housings by Nora and others.

Fire Box

[NFJB-R4*](#)

ICAT Junction Box

[NFBIC-4LMRATA*](#)

ICAT Dedicated LED

[NFBIC-427LMRATA*](#)

Shallow ICAT Dedicated LED

[NFBIC-4INCATA](#)

ICAT Line Voltage

New Construction

[NSIC-4LMRAT*](#)

Max. Adjustability ICAT Dedicated LED

[NHIC-4LMRAT*](#)

ICAT Dedicated LED

[NHIC-4LMRAT/277*](#)

ICAT Dedicated LED, 277V

(includes step-down transformer)

[NHICCP-4LMRAT*](#)

CCEA Dedicated LED

[NHIC-427LMRAT*](#)

Shallow ICAT Dedicated LED

[NSIC-401QAT](#)

ICAT Line Voltage

[NS-401QAT](#)

AT Line Voltage

[NHIC-4G24AT](#)

ICAT GU24

Remodel

[NHRIC-4LMRAT*](#)

ICAT Dedicated LED

[NHRIC-427LMRAT*](#)

Shallow ICAT Dedicated LED

[NSRIC-404QAT](#)

ICAT Line Voltage

[NSR-404QAT](#)

AT Line Voltage

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

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.

LABELS AND LISTINGS

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



Type

Project

Catalog No.

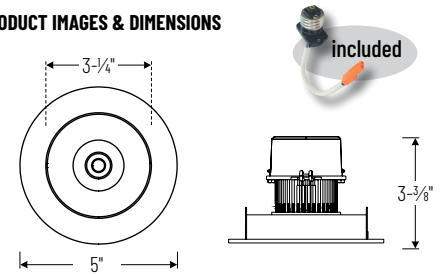
Notes

Performance Data

Part Number	Lumens	CCT	Optic
NPR-4RG40XMPW	1054lm	4000K	Spot
NPR-4RG40XMPW	1059lm	4000K	Narrow
NPR-4RG40XMPW	1055lm	4000K	Flood

Delivered lumens will vary depending on CCT, optic and finish

PRODUCT IMAGES & DIMENSIONS



NPR-4RG

Round Adjustable Gimbal

Adjustability:

Max. Adjustability Housing: 35°

Standard Housings / Junction Box: 25°

Shallow Housings: 10°



BB
Black



BZ
Bronze



MPW
Bright White



NN
Natural Metal



WW
Warm White

4" Pearl 120V LED Round Adjustable Gimbal Retrofit

Color Temperature	Finish
NPR-4RG27X = 2700K	BB = Black
NPR-4RG30X = 3000K	BZ = Bronze
NPR-4RG35X = 3500K	MPW = Bright White
NPR-4RG40X = 4000K	NN = Natural Metal
NPR-4RGCDX = Comfort Dim	WW = Warm White

Example: **NPR-4RG40XMPW** = 4" Pearl 120V LED Round Adjustable Gimbal Retrofit, 4000K, Bright White finish

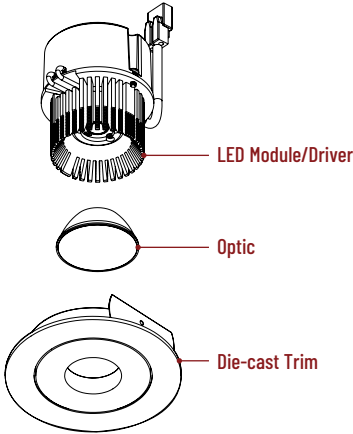
ACCESSORIES

4" Pearl 120V LED Round Adjustable Gimbal 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.





Frosted Optics

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

Replaces optics that are included with each LED module.



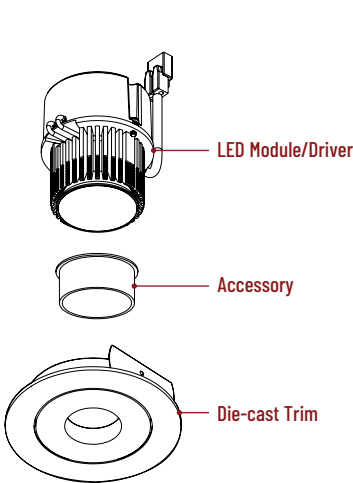
Premium TIR Optics

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-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.

PHOTOMETRICS

4" Pearl 120V LED Round Adjustable Gimbal Retrofit

Type

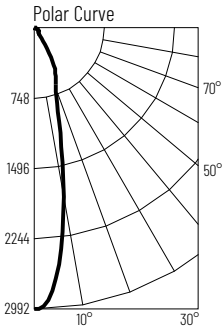
Project

Catalog No.

Notes

Test Information

Test Number: NTR2844R1
Part Number: NPR-4RG40XMPW
Beam Spread: 24° Spot
Lumens: 1054lm
Wattage: 9.87W
Efficacy: 107lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.42
Spacing Criteria (90°-270°): 0.42



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	187fc	1'-8"
6'	83.1fc	2'-6"
8'	46.8fc	3'-5"
10'	29.9fc	4'-2"
12'	20.8fc	5'

Zonal Lumen Summary

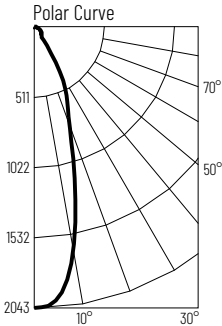
Zone	Lumens	% Luminaire
0-30	768	72.9
0-40	871	82.7
0-60	978	92.8
0-90	1054	100
90-180	0	0
0-180	1054	100

Candela Table

Vertical Angles	Candela
0	2992
5	2679
15	1030
25	540
35	138
45	73

Test Information

Test Number: NTR2840R1
Part Number: NPR-4RG40XMPW
Beam Spread: 33° Narrow Flood
Lumens: 1059lm
Wattage: 9.87W
Efficacy: 107lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.54
Spacing Criteria (90°-270°): 0.54



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	120fc	2'-4"
6'	56.8fc	3'-6"
8'	31.9fc	4'-8"
10'	20.4fc	5'-10"
12'	14.2fc	7'

Zonal Lumen Summary

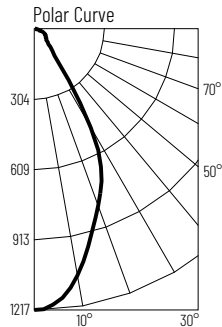
Zone	Lumens	% Luminaire
0-30	752	71
0-40	855	80.7
0-60	976	92.2
0-90	1059	100
90-180	0	0
0-180	1059	100

Candela Table

Vertical Angles	Candela
0	2043
5	1979
15	1140
25	567
35	150
45	77

Test Information

Test Number: NTR2836R1
Part Number: NPR-4RG40XMPW
Beam Spread: 55° Flood
Lumens: 1055lm
Wattage: 9.87W
Efficacy: 107lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.82
Spacing Criteria (90°-270°): 0.82



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	76.1fc	4'-2"
6'	33.8fc	6'-4"
8'	19fc	8'-4"
10'	12.2fc	10'-5"
12'	8.5fc	12'-6"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	684	64.8
0-40	841	79.7
0-60	966	91.6
0-90	1055	100
90-180	0	0
0-180	1055	100

Candela Table

Vertical Angles	Candela
0	1217
5	1184
15	941
25	693
35	227
45	86

Lumen Output Multipliers

Color Temperature: 2700K (0.89), 3000K (0.94), 3500K (0.97), 4000K (1.00)

Finish Multipliers

Finish: Black (0.84), Bronze (0.85), Natural Metal (0.93), Bright White (1.00), Warm White (1.03)