

NPR-4RNDC

4" Pearl 120V LED Round Retrofit Reflector with Round Aperture

Source: 10W LED

1150lm

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 1150 lumens with deep regressed cone reflector for optimal visual cut-off.

FEATURES

- Medium base socket adapter included
- Retrofit existing 4" recessed housings
- Comfort Dim (warm dimming) is available in 700lm only
- 2700K, 3000K, 3500K, 4000K @ 90+ CRI
- Three field changeable optics included
- Integral dimmable driver
- 5-year limited warranty
- cULus classified for wet 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: 1150lm / 10W (700lm w/ Comfort Dim)

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

Color Rendering Index: 90+ CRI

Beam Spread: 26° Spot, 37° Narrow Flood, 59° 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 700lm 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

[NFBIC-4LMRATA*](#) 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)

[NSIC-401QAT](#) ICAT Line Voltage

[NS-401QAT](#) AT Line Voltage

[NHIC-4G24AT](#) ICAT GU24

Remodel

[NHRIC-4LMRAT*](#) 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 page 2.

LABELS AND LISTINGS

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



4" Pearl 120V LED Round Retrofit Reflector with Round Aperture

Color Temperature	Finish
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[NPR-4RNDC27X](#) = 2700K

[NPR-4RNDC30X](#) = 3000K

[NPR-4RNDC35X](#) = 3500K

[NPR-4RNDC40X](#) = 4000K

[NPR-4RNDCDX](#) = Comfort Dim

BB = Black

BW = Black Reflector / Warm White Flange

BZ = Bronze Reflector/ Bronze

CHMPW = Champagne Haze Reflector/ Bright White Flange

CMPW = Specular Clear Reflector/ Bright White Flange

HW = Haze Reflector/ Warm White Flange

HZMPW = Haze Reflector/ Bright White Flange

MPW = Bright White

NN = Natural Metal

WW = Warm White

Type

Project

Catalog No.

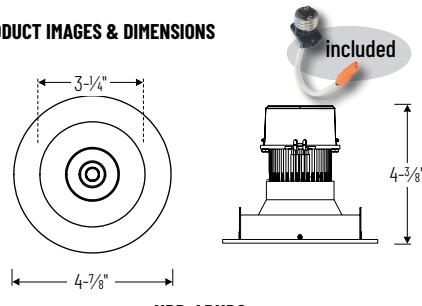
Notes

Performance Data

Part Number	Lumens	CCT	Optic
NPR-4RNDC40XMPW	1183lm	4000K	Spot
NPR-4RNDC40XMPW	1189lm	4000K	Narrow
NPR-4RNDC40XMPW	1185lm	4000K	Flood

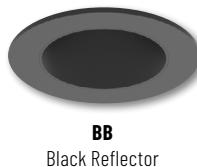
Delivered lumens will vary depending on CCT, optic and finish

PRODUCT IMAGES & DIMENSIONS



NPR-4RNDC

Round Reflector with Round Aperture
Non-Adjustable



BB
Black Reflector
Black Flange



BW
Black Reflector
Warm White Flange



BZ
Bronze Reflector
Bronze Flange



CHMPW
Champagne Haze Reflector
Bright White Flange



CMPW
Specular Clear Reflector
Bright White Flange



HW
Haze Reflector
Warm White Flange



HZMPW
Haze Reflector
Bright White Flange



MPW
Bright White Reflector
Bright White Flange



NN
Natural Metal Reflector
Natural Metal Flange



WW
Warm White Reflector
Warm White Flange

Example: **NPR-4RNDC40XMPW** = 4" Pearl 120V LED Round Retrofit Reflector with Round Aperture, 4000K, Bright White finish

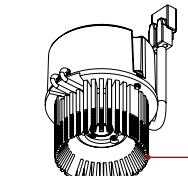
ACCESSORIES

4" Pearl 120V LED Round Retrofit Reflector with Round Aperture

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.

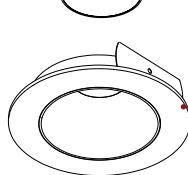


LED Module/Driver



Frosted Optics

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



Optic

Die-cast Trim

Replaces optics that are included with each LED module.



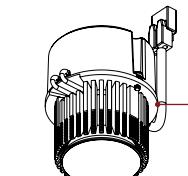
Premium TIR Optics

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.

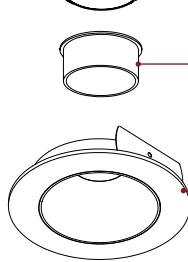


LED Module/Driver



Translucent Decorative Collar

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



Accessory

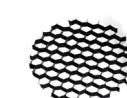
Die-cast Trim

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 $\frac{5}{8}$ " length / warm white finish
NIO-AS19MPW $\frac{3}{4}$ " length / bright white finish
NIO-AS19WH $\frac{3}{4}$ " length / warm white finish
NIO-AS26WH 1" length / warm white finish



Hex Cell Louver

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

Opaque snoot greatly reduces aperture brightness while preserving light output.

Hex cell louver is not compatible with TIR optics.

PHOTOMETRICS

4" Pearl 120V LED Round Retrofit Reflector with Round Aperture

Type

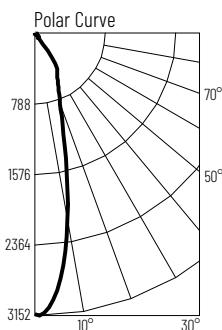
Project

Catalog No.

Notes

Test Information

Test Number: NTR2757R1
 Part Number: NPR-4RNDC40XMPW
 Beam Spread: 26° Spot
 Lumens: 1183lm
 Wattage: 9.57W
 Efficacy: 124pw
 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'	196fc	1'-11"
6'	87.2fc	2'-10"
8'	49.1fc	3'-8"
10'	31.4fc	4'-8"
12'	21.8fc	5'-7"

Zonal Lumen Summary

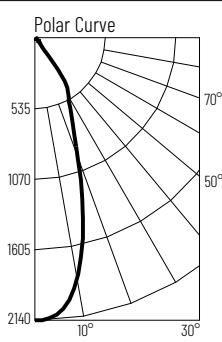
Zone	Lumens	% Luminaire
0-30	906	76.6
0-40	1089	92
0-60	1158	97.9
0-90	1183	100
90-180	0	0
0-180	1183	100

Candela Table

Vertical Angles	Candela
0	3141
5	2880
15	1298
25	620
35	332
45	56

Test Information

Test Number: NTR2753R1
 Part Number: NPR-4RNDC40XMPW
 Beam Spread: 37° Narrow Flood
 Lumens: 1189lm
 Wattage: 9.57W
 Efficacy: 124pw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180°): 0.62
 Spacing Criteria (90°-270°): 0.62



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	134fc	2'-8"
6'	59.4fc	4'-1"
8'	33.4fc	5'-5"
10'	21.4fc	6'-10"
12'	14.9fc	8'-1"

Zonal Lumen Summary

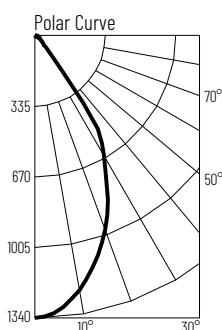
Zone	Lumens	% Luminaire
0-30	891	74.9
0-40	1084	91.2
0-60	1162	97.8
0-90	1189	100
90-180	0	0
0-180	1189	100

Candela Table

Vertical Angles	Candela
0	2140
5	2091
15	1415
25	666
35	365
45	55

Test Information

Test Number: NTR2749R1
 Part Number: NPR-4RNDC40XMPW
 Beam Spread: 59° Flood
 Lumens: 1185lm
 Wattage: 9.57W
 Efficacy: 124pw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180°): 0.88
 Spacing Criteria (90°-270°): 0.88



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	83.8fc	4'-6"
6'	37.2fc	6'-10"
8'	20.9fc	9'-1"
10'	13.4fc	11'-4"
12'	9.3fc	13'-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	806	68.1
0-40	1067	90
0-60	1155	97.5
0-90	1185	100
90-180	0	0
0-180	1185	100

Candela Table

Vertical Angles	Candela
0	1340
5	1307
15	1111
25	818
35	463
45	69

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), Specular Clear (1.04), Haze (0.95), Natural Metal (0.93), Bright White (1.00), Warm White (1.03)