

RND-4 shown with FXA lens

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Deliver scalable, data-driven smart buildings with PoE-enabled fixtures and controls
- Flat, convex, or concave lens profile adds visual interest to a variety of applications
- Provides soft, uniform ambient illumination
- Adjustable ring and lens assembly provides clean appearance
- Inner flange prevents light leaks
- Lift-and-twist lens assembly allows for easy maintenance
- Drywall or grid system installation
- Made Right Here® in the USA



ORDERING EXAMPLE: RND - 4 - P105/835 - FXA - POE PR

ORDERING INFO

| SERIES | DIAMETER | LUMENS ^[1] | CRI | CCT | LENS ^[2] |
|--------|----------|-----------------------|---------------------|----------|----------------------------------|
| RND | 2 2' | 2' | 8 80 | 27 2700K | FXA Frosted convex acrylic lens |
| | 3 3' | P19 1,900lm | 9 90 ^[3] | 30 3000K | FCA Frosted concave acrylic lens |
| | 4 4' | 3' | | 35 3500K | FFA Frosted flat acrylic lens |
| | | P51 5,100lm | | 40 4000K | |
| | | 4' | | 50 5000K | |
| | | P105 10,500lm | | | |

CONTROL ^[4]

POE PR Power over Ethernet-ready

SPECIFICATIONS

- HOUSING – 20-gauge C.R.S.
- SHIELDING – Frosted acrylic lens, .125" thick.
- FINISH – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal on reflective surfaces. Textured matte white powder after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ELECTRICAL – High-quality mid-power LED boards. L85 at 50,000 hours. Low-voltage DC fixture, to be fed by Class 2 power supply.
- MOUNTING – For installation in NEMA Type "G", "SS", or "F" ceiling systems. Earthquake clips are standard. Fixture must be installed prior to ceiling system installation.
- LISTINGS –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

SYSTEM REQUIREMENTS

- PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system
- For additional PoE info, see hew.com/poe

NOTES

- Nominal lumen output based on 3500K CCT and FXA shielding. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- See page 2 for FIXTURE DETAILS.

- Extended lead times may apply. Consult factory for availability.
- For additional PoE connection details, consult factory.



FIXTURE PERFORMANCE DATA

| | LED PACKAGE | NOMINAL LUMENS | WATTAGE | EFFICACY (lm/W) |
|----|-------------------|----------------|---------|-----------------|
| 2' | P19 | 1904 | 24 | 79 |
| 3' | P51 | 5141 | 49 | 105 |
| 4' | P105 ¹ | 10542 | 100 | 105 |

¹ Fixture contains two nodes, one power drop per node required.

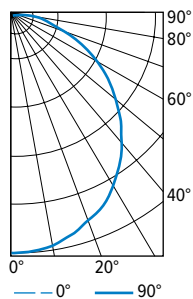
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

MULTIPLIER TABLES

| COLOR TEMPERATURE | | |
|-------------------|-------|-------------------|
| | CCT | CONVERSION FACTOR |
| 80 CRI | 2700K | 0.97 |
| | 3000K | 0.99 |
| | 3500K | 1.00 |
| | 4000K | 1.03 |
| | 5000K | 1.06 |
| 90 CRI | 2700K | 0.80 |
| | 3000K | 0.82 |
| | 3500K | 0.83 |
| | 4000K | 0.86 |
| | 5000K | 0.89 |

PHOTOMETRY

RND-4-P105/835-FXA Total Luminaire Output: 10542 lumens; 100 Watts | Efficacy: 105 lm/W | 80 CRI; 3500K CCT

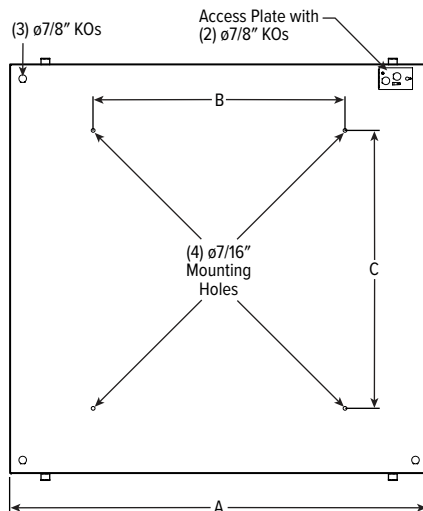


| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|--------------------------|----------------|------------------|------|------|--------------|
| | | 0° | 45° | 90° | |
| | 0 | 3820 | 3820 | 3820 | |
| | 5 | 3737 | 3732 | 3732 | 356 |
| | 15 | 3544 | 3546 | 3544 | 1006 |
| | 25 | 3286 | 3281 | 3281 | 1510 |
| | 35 | 2851 | 2851 | 2851 | 1786 |
| | 45 | 2431 | 2427 | 2431 | 1859 |
| | 55 | 1873 | 1873 | 1866 | 1661 |
| | 65 | 1289 | 1286 | 1284 | 1271 |
| | 75 | 699 | 695 | 699 | 755 |
| | 85 | 259 | 259 | 262 | 297 |
| | 90 | 110 | 110 | 110 | |

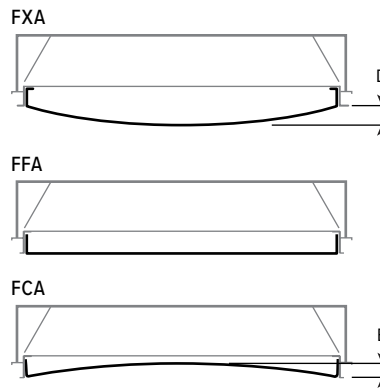
| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 30 | 2872 | 27 |
| | 0 - 40 | 4658 | 44 |
| | 0 - 60 | 8179 | 78 |
| | 0 - 90 | 10501 | 100 |
| | 0 - 180 | 10542 | 100 |

FIXTURE DETAILS

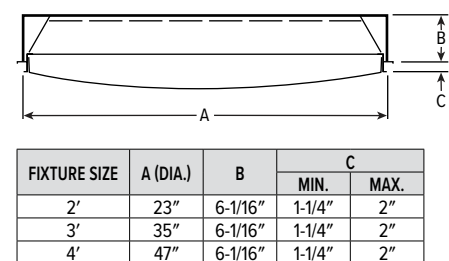
BACK VIEW



LENS PROFILES



CROSS SECTIONS



| SERIES | A | B | C | D | E | CUTOUT SIZES |
|--------|-----|-----|-----|---------|--------|----------------|
| RND-2 | 24" | 14" | 10" | 1-9/16" | 1-1/2" | ø22-1/4" ±1/4" |
| RND-3 | 36" | 20" | 24" | 2-1/16" | 1-1/2" | ø34-1/4" ±1/4" |
| RND-4 | 48" | 29" | 32" | 2-9/16" | 1-1/2" | ø46-1/4" ±1/4" |

NOTE: Fixture must be installed prior to ceiling system installation.

