



RYNO 2.5

2.5" RECESSED LED DOWNLIGHT



FEATURES

- Selectable wattage (9W / 12W / 15W) with high-efficacy output for flexible performance across applications.
- Precision optics available in 8°, 15°, 24°, 36°, and 50° beam spreads for controlled illumination.
- Universal voltage (120–277V) with Triac/0-10V dimming from 1–100% for smooth control.
- Compact 2.5" aperture with trimmed, trimless mud-in, millwork, adjustable, and wallwash configurations for seamless integration.
- Type IC rated - approved for direct contact with insulation.

PERFORMANCE

| | |
|--------------------|------------------------|
| Wattage | 9W/12W/15W Selectable |
| Lumens (Delivered) | Up to 117LM/W |
| Input Voltage | 120-277V |
| Dimming | Triac, 0-10V (1%-100%) |
| Lifetime | 50,000 hrs |

LIGHT SOURCE

| | |
|-----|-------------------------------------|
| CCT | 2700K/3000K/3500K/4000K/Dim to Warm |
| CRI | 90 |

OPTICS

| | |
|------------------|----------------------------|
| Lens / Reflector | 8° / 15° / 24° / 36° / 50° |
|------------------|----------------------------|

MEDIA

Hex Louver
Solite

CERTIFICATION

IC Rated
ETL
CETL
Title 24
FCC

APPLICATION

| | |
|-----------------------|------------------|
| Environment | Wet Location |
| Material | Aluminum |
| Operating Temperature | -49° F to 113° F |
| Lamp Life | 5 Years |
| Cut Out | 2.3" |

SUPPORTIVE FILE (WEBSITE LINK)

[IES File](#)
[Installation Guide](#)
[Trimless Mud-In Configuration](#)
[Millwork Configuration](#)
[Wallwash Configuration](#)
[Adjustable Trimmed Configuration](#)
[Adjustable Trimless Mud-In Configuration](#)
[Adjustable Millwork Configuration](#)








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ORDERING GUIDE

RYN23- _____ - _____ - _____ - _____ - _____

Example: RYN23-2790-15-L-HX-25RDWT ** New Construction Plate is an individual part number NCH-RYN23

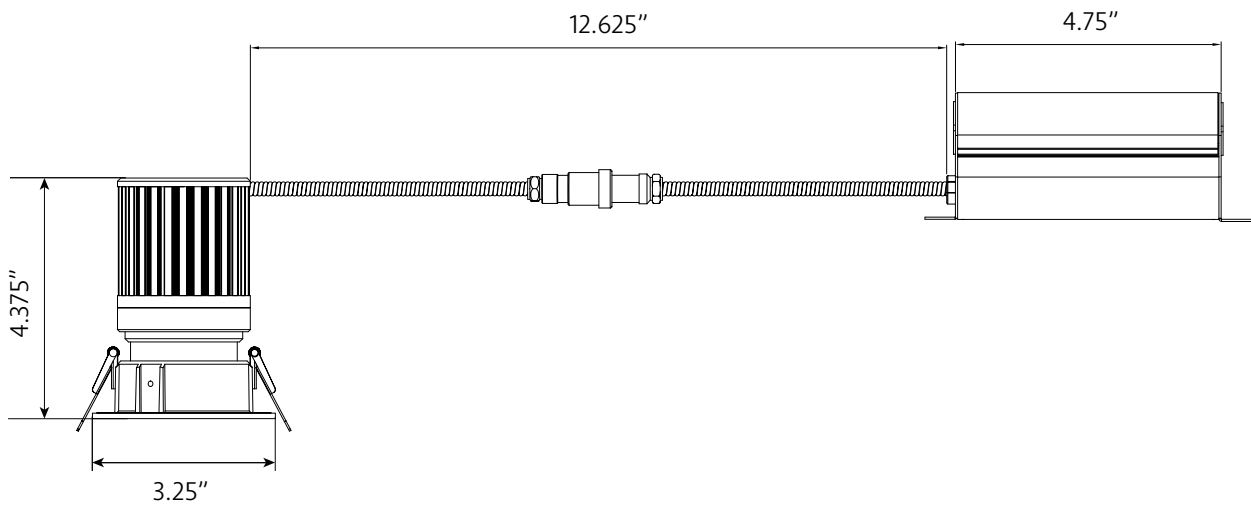
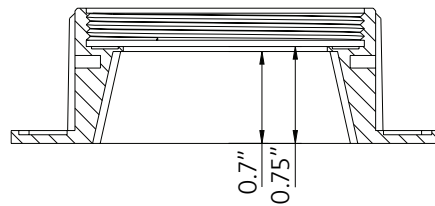
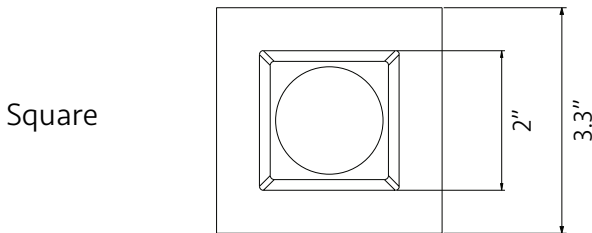
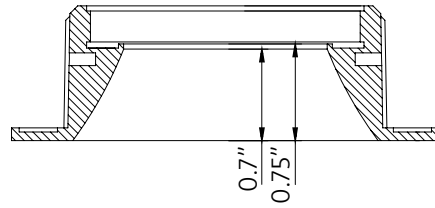
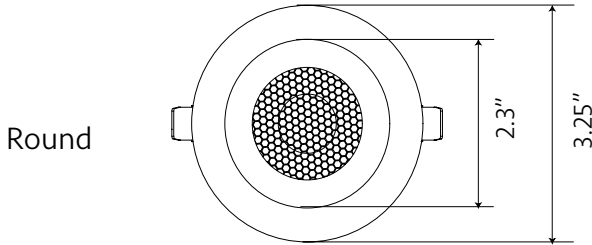
| Component | Component Code | Component Detail |
|--|---|---|
|  <p>ENGINE</p> | RYN23 | 9W/12W/15W Engine |
|  <p>CHIP</p> | 2790 3090 3590 4090 DTW 2090-8L 3090-8L 3590-8L 4090-8L DTW-8L | 2700K, 90CRI 3000K, 90CRI 3500K, 90CRI 4000K, 90CRI 1800-3000K Dim to Warm, 98CRI 2700K, 90CRI 8 Degree Narrow 3000K, 90CRI 8 Degree Narrow 3500K, 90CRI 8 Degree Narrow 4000K, 90CRI 8 Degree Narrow Dim to Warm, 98CRI 8 Degree Narrow |
|  <p>Reflector Lens</p> <p>OPTIC</p> | 8 15 L 24 36 R 50 | 8 Degree ** For use with 8 degree chip only 15 Degree 24 Degree 36 Degree 50 Degree |
|  <p>Solite Hex Louver</p> <p>MEDIA</p> | HX SL | Hex Louver Solite (Leave blank for none) (SL-HX for both) |
|  <p>TRIM</p> | 25RDWT 25RDBK 25SQWT 25SQBK 25WLSH | Round Flange Trim, White Finish Round Flange Trim, Black Finish Square Flange Trim, White Finish Square Flange Trim, Black Finish Round Flange Wallwash Trim, White Finish |
|  | NCH-RYN23 | New Construction Plate **Individual part number from downlight |



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DIMENSIONS





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DELIVERED LUMENS MATRIX

90CRI, Lens Optic, White Trim

| Wattage | Color Temperature | 15° Optic | 24° Optic | 36° Optic | 50° Optic |
|---------|---------------------|-----------|-----------|-----------|-----------|
| 9W | 2700K (90CRI) | 1023.9 | 1072.2 | 1016.2 | 966 |
| | 3000K (90CRI) | 957.4 | 996.08 | 952.72 | 925.7 |
| | 3500K (90CRI) | 1073.86 | 1013 | 1006.22 | 999.02 |
| | 4000K (90CRI) | 1101.06 | 1150.49 | 1093.15 | 1028.06 |
| | Dim to Warm (98CRI) | 702.99 | 720.2 | 684.69 | 662.4 |
| | Hex Louver (3000K) | 771.7 | 744.24 | 722.72 | 646.01 |
| | Solite (3000K) | 912.8 | 931.22 | 899.57 | 869.68 |
| 12W | 2700K (90CRI) | 1347.2 | 1423.7 | 1417.5 | 1397.7 |
| | 3000K (90CRI) | 1453 | 1334.6 | 1354.5 | 1297.9 |
| | 3500K (90CRI) | 1369.6 | 1406.3 | 1428.3 | 1356 |
| | 4000K (90CRI) | 1401.9 | 1453.3 | 1451 | 1403.6 |
| | Dim to Warm (98CRI) | 1057.5 | 1075.3 | 1062.2 | 1051.4 |
| | Hex Louver (3000K) | 1068.2 | 1100.5 | 1073.3 | 863.4 |
| | Solite (3000K) | 1352.3 | 1383.7 | 1402.5 | 1335.5 |
| 15W | 2700K (90CRI) | 1537.5 | 1594.8 | 1588 | 1519.5 |
| | 3000K (90CRI) | 1635.1 | 1658.6 | 1688.9 | 1610.7 |
| | 3500K (90CRI) | 1699.6 | 1731 | 1754.5 | 1700.1 |
| | 4000K (90CRI) | 1760 | 1890.7 | 1790.9 | 1741.7 |
| | Dim to Warm (98CRI) | 1368.3 | 1370.7 | 1383.2 | 1334 |
| | Hex Louver (3000K) | 1198.9 | 1213.6 | 1198.7 | 1068.8 |
| | Solite (3000K) | 1508 | 1566.1 | 1587.3 | 1491.2 |

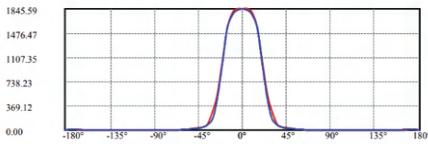
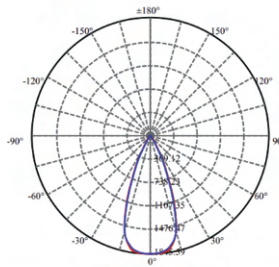


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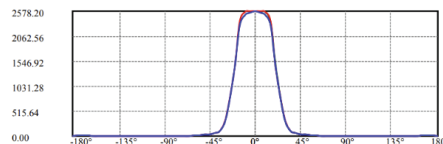
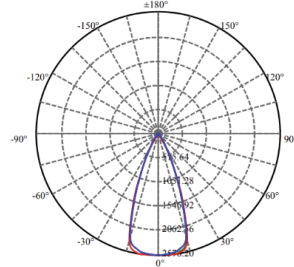
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

9W



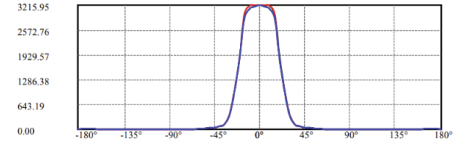
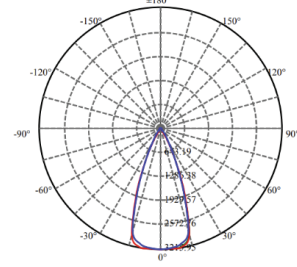
C0(Max): —
 C0/C180: —
 C90/C270: —
 Field angle(10%Imax):C0/180Left:37.8 Right:27.8
 :C90/270Left:30.1 Right:30.1
 Beam Angle(50%Imax):C0/180Left:26.5 Right:16.5
 :C90/270Left:21.2 Right:21.2

12W



C15(Max): —
 C0/C180: —
 C90/C270: —
 Field angle(10%Imax):C0/180Left:31.0 Right:31.0
 :C90/270Left:30.9 Right:30.9
 Beam Angle(50%Imax):C0/180Left:21.2 Right:21.2
 :C90/270Left:21.2 Right:21.2

15W



C15(Max): —
 C0/C180: —
 C90/C270: —
 Field angle(10%Imax):C0/180Left:31.0 Right:31.0
 :C90/270Left:30.9 Right:30.9
 Beam Angle(50%Imax):C0/180Left:21.2 Right:21.2
 :C90/270Left:21.2 Right:21.2

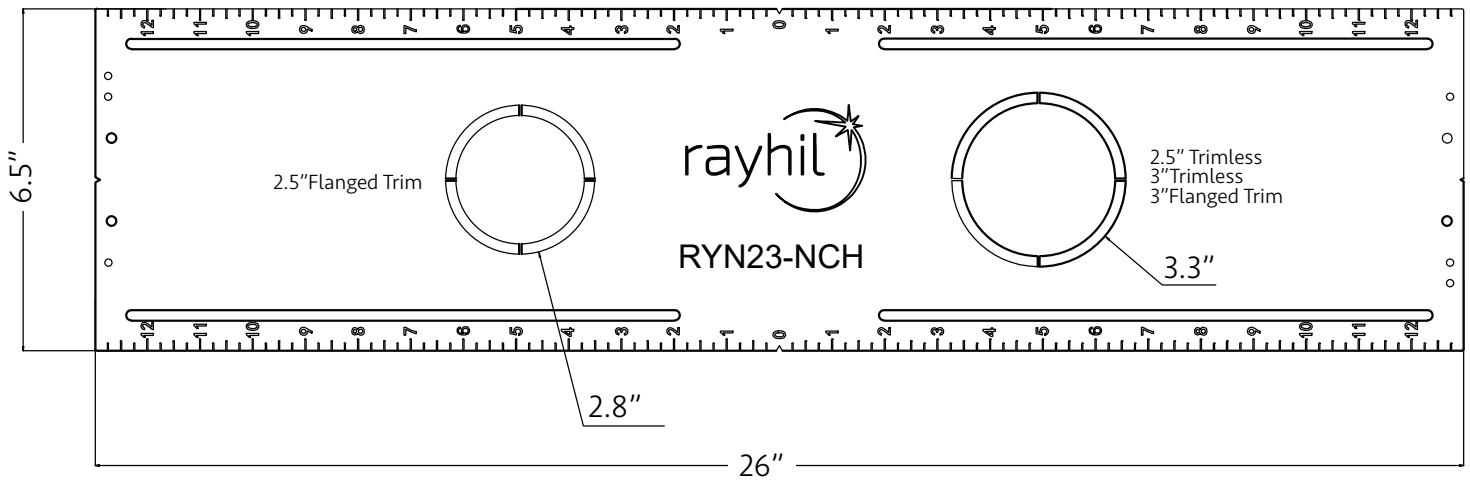


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NEW CONSTRUCTION MOUNTING PLATE NCH-RYN23

- Constructed out of galvanized steel





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COMPATIBLE DIMMERS

| LUTRON | LOAD (W) |
|-------------------|-----------------|
| LUTRON MC3J2 | 300W |
| LUTRON AYCL-153P | 150W |
| LUTRON SCL-153P | 150W |
| LUTRON DVCL-153P | 150W |
| LUTRON DVSTV-453P | 450W |

| LEVITON | LOAD (W) |
|----------------|-----------------|
| LEVITON IPL06 | 300W |
| LEVITON 6672 | 300W |
| LEVITON 6674 | 150W |
| LEVITON DSM10 | 450W |
| LEVITON IP710 | — |

| LEGRAND | LOAD (W) |
|---------------------|-----------------|
| LEGRAND/PS RHCL453P | 450W |