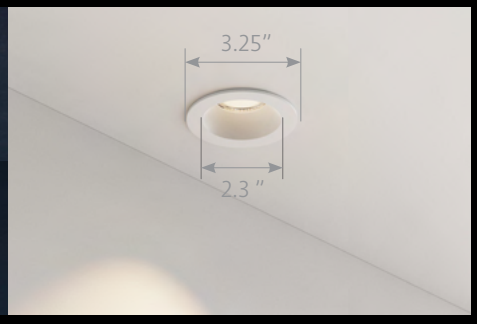
PROJECT: PREPARED BY: TYPE:

# RYNO 2.5 ADJUSTABLE

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 360 degree rotation and 30 degree tilt.
- 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°80° |

## MEDIA

Hex Louver
Solite
Linear Spread
Asymmetric
Double Asymmetric

## CERTIFICATION

IC Rated
ETL
CETL
Title 24
FCC

## APPLICATION

| | |
|---|---|
| Environment | IP65 |
| Material | Aluminum |
| Operating Temperature | -49°F to 113°F |
| Lamp Life | 5 Years |
| Cut Out | 2.83" |
| Tilt | 30 Degree |
| Rotation | 360 Degree |

## SUPPORTIVE FILE (WEBSITE LINK)

IES File
Installation Guide
Trimmed Configuration
Trimless Mud-In Configuration
Millwork Configuration
Wallwash Configuration
Adjustable Trimless Mud-In Configuration
Adjustable Millwork Configuration

PROJECT: PREPARED BY: TYPE:

# RYNO 2.5 ADJUSTABLE

2.5" RECESSED LED DOWNLIGHT

## ORDERING GUIDE

RYN23- _____ - _____ - _____ - _____ - _____ - _____

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

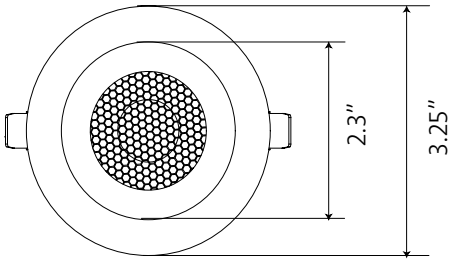
| Component | | Component Code | Component Detail |
|---|---|---|---|
|  | DRIVER | **RYN23**<br>**RYN23EM** | 9W/12W/15W Driver<br>9W/12W/15W Driver with EM Battery |
|  | CHIP | **2790**<br>**3090**<br>**3590**<br>**4090**<br>**DTW**<br>**2090-8L**<br>**3090-8L**<br>**3590-8L**<br>**4090-8L** | 2700K, 90CRI<br>3000K, 90CRI<br>3500K, 90CRI<br>4000K, 90CRI<br>1800-3000K Dim to Warm, 98CRI<br>2700K, 90CRI 8 Degree Narrow<br>3000K, 90CRI 8 Degree Narrow<br>3500K, 90CRI 8 Degree Narrow<br>4000K, 90CRI 8 Degree Narrow |
|  Reflector  Lens | OPTIC | **8**<br>**15**<br>**24 L**<br>**36**<br>**50 R**<br>**80** | 8 Degree ** For use with 8 degree chip only<br>15 Degree<br>24 Degree<br>36 Degree<br>50 Degree<br>80 Degree |
|  Solite  Hex Louver  LS / AS / DA  | MEDIA | **HX**<br>**SL**<br>**LS**<br>**AS**<br>**DA** | Hex Louver (Leave blank for none)<br>Solite (SL-HX for multiple Media sequence)<br>Linear Spread<br>Asymmetric<br>Double Asymmetric |
|  | TRIM | **25ADJRWT**<br>**25ADJRBK** | Adjustable Round Flange Trim, White Finish<br>Adjustable Round Flange Trim, Black Finish |
|  | | **NCH-RYN23** | New Construction Plate<br>***Individual part number from downlight* |

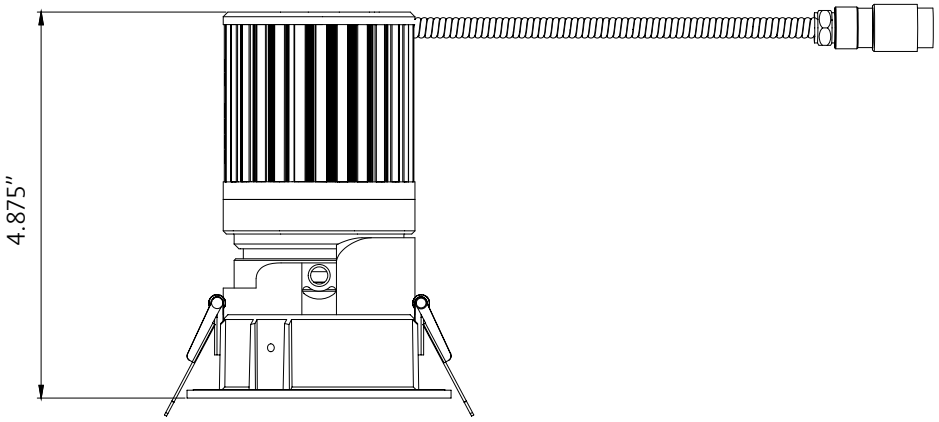
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# RYNO 2.5 ADJUSTABLE

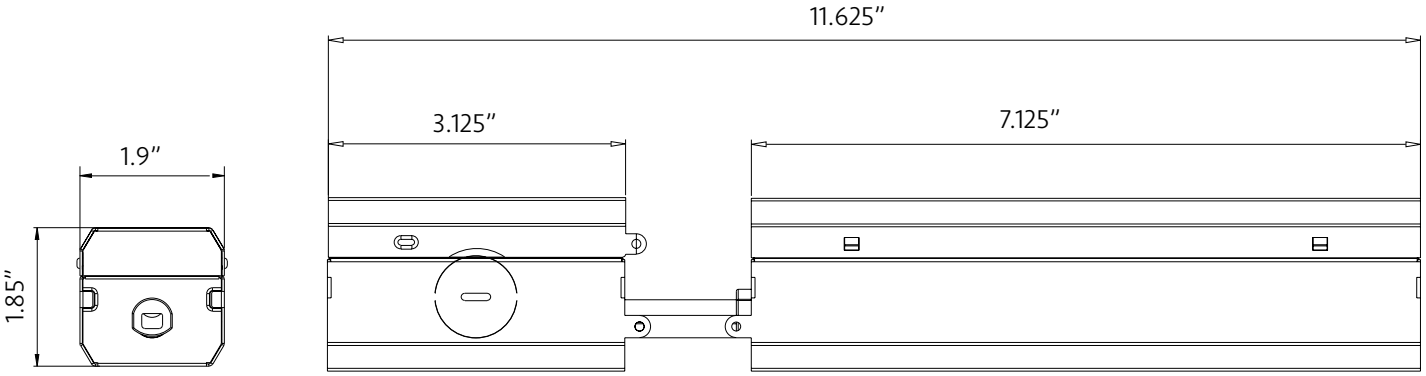
2.5" RECESSED LED DOWNLIGHT

## DIMENSIONS




## EM BATTERY DRIVER



# RYNO 2.5 ADJUSTABLE

2.5" RECESSED LED DOWNLIGHT

## DELIVERED LUMENS MATRIX

90CRI, Lens Optic, White Trim

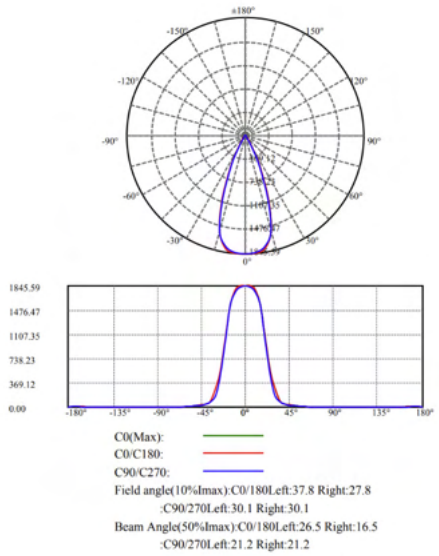
| Wattage | Color Temperature | 15° Optic | 24° Optic | 36° Optic | 50° Optic |
|---|---|---|---|---|---|
| 9W | 2700K (90CRI) | 1023.9 | 1072.2 | 1016.2 | 966 |
| | 3000K (90CRI) | 957.4 | 996.08 | 952.72 | 925.7 |
| | 3500K (90CRI) | 1073.86 | 1013 | 1006.22 | 999.02 |
| | 4000K (90CRI) | 1101.06 | 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 |

# RYNO 2.5 ADJUSTABLE

2.5" RECESSED LED DOWNLIGHT

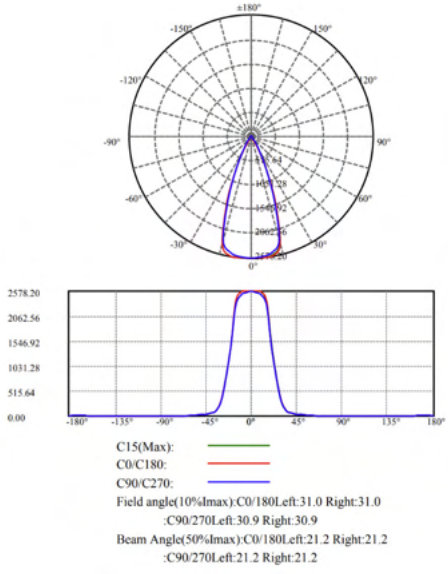
## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

9W



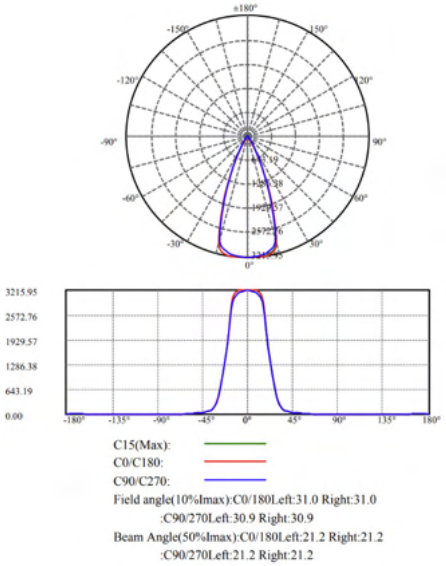

Field angle(10%Imax):C0/180Left:37.8 Right:27.8
:C90/270Left:30.1 Right:30.1
Beam Angle(50%Imax):C0/180Left:26.5 Right:16.5
:C90/270Left:21.2 Right:21.2

12W




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



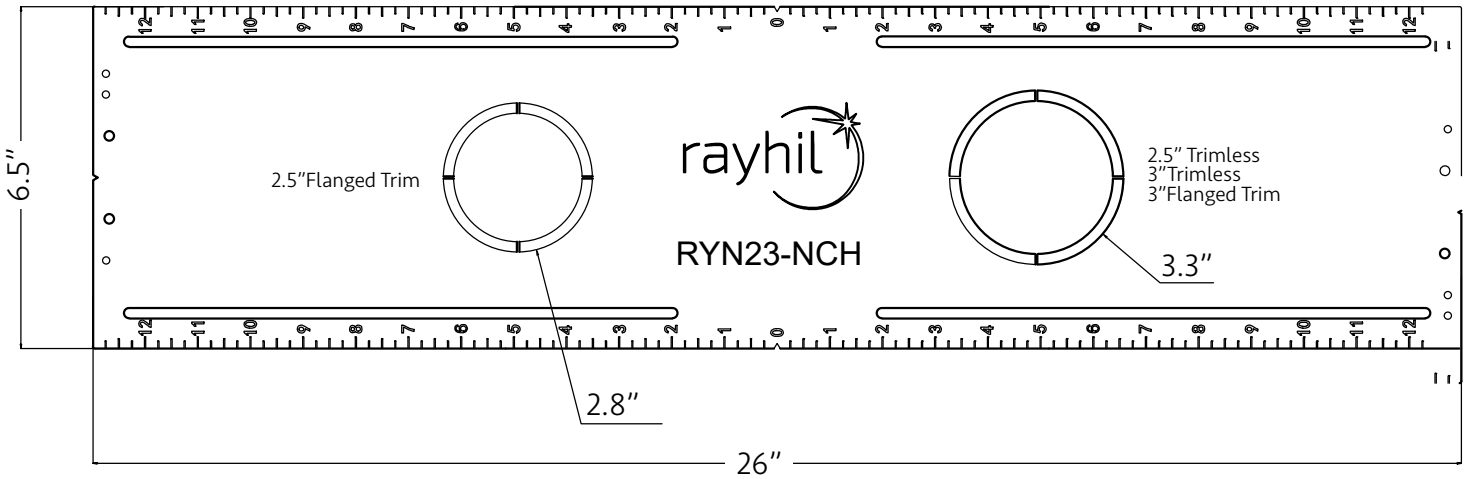

Field angle(10%Imax):C0/180Left:31.0 Right:31.0
:C90/270Left:30.9 Right:30.9
Beam Angle(50%Imax):C0/180Left:21.2 Right:21.2
:C90/270Left:21.2 Right:21.2

# RYNO 2.5 ADJUSTABLE

2.5" RECESSED LED DOWNLIGHT

## NEW CONSTRUCTION MOUNTING PLATE NCH-RYN23

• Constructed out of galvanized steel




| Trim | Cut Out | Plate Opening Size |
|---|---|---|
| 2.5" Flanged | 2.83 | 2.83" |
| 2.5" Flangless | 2.87 | 3.3" |
| 2.5" Millwork | 2.87 | 3.3" |
| 2.5" Wallwash | 3.3 | 3.3" |
| 2.5" Adjustable Flanged | 2.83 | 2.83" |
| 2.5 Adjustable Flangless | 2.87 | 3.3" |
| 2.5" Adjustable Millwork | 2.87 | 3.3" |
| | | |
| 3" Flanged | 3.3 | 3.3" |
| 3" Flangless | 3.14 | 3.3" |
| 3" Millwork | 3.14 | 3.3" |
| 3" Wallwash | 3.3 | 3.3" |
| 3" Adjustable Flanged | 3.3 | 3.3" |
| 3" Adjustable Flangless | 3.14 | 3.3" |
| 3" Adjustable Millwork | 3.14 | 3.3" |

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# RYNO 2.5 ADJUSTABLE

2.5" RECESSED LED DOWNLIGHT

## 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 |