PROJECT: PREPARED BY: TYPE:

RYNO 2.5 TRIMLESS

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°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	2.87"

SUPPORTIVE FILE (WEBSITE LINK)

IES File
Installation Guide
Trimmed 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-25TMSR-WT ***** New Construction Plate is an individual part number NCH-RYN23***

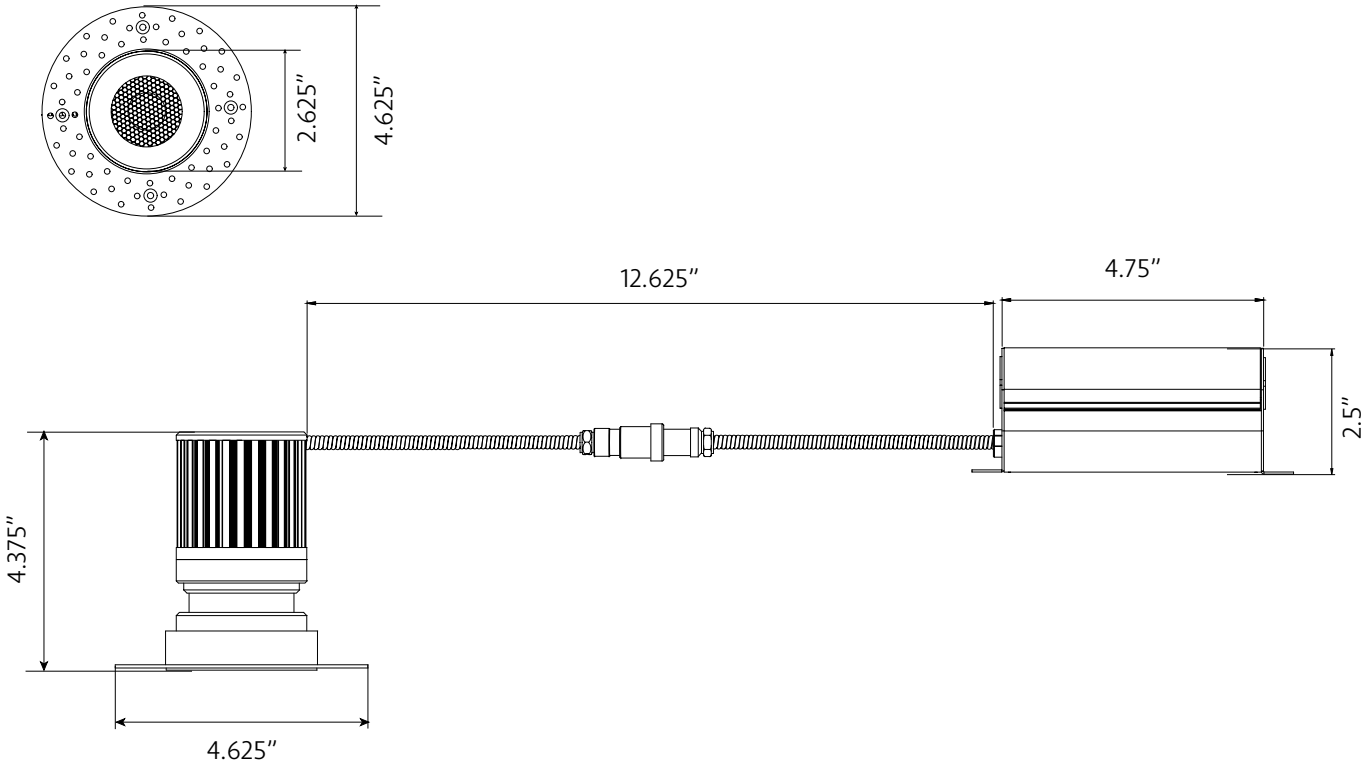
Component		Component Code	Component Detail
	DRIVER	**RYN23** **RYN23EM**	9W/12W/15W Driver 9W/12W/15W Driver with EM Battery
	ENGINE CHIP	**2790** **3090** **3590** **4090** **DTW** **2090-8L** **3090-8L** **3590-8L** **4090-8L**	2700K, 90CRI 3000K, 90CRI 3500K, 90CRI 4000K, 90CRI 1800-3000K Dim to Warm,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

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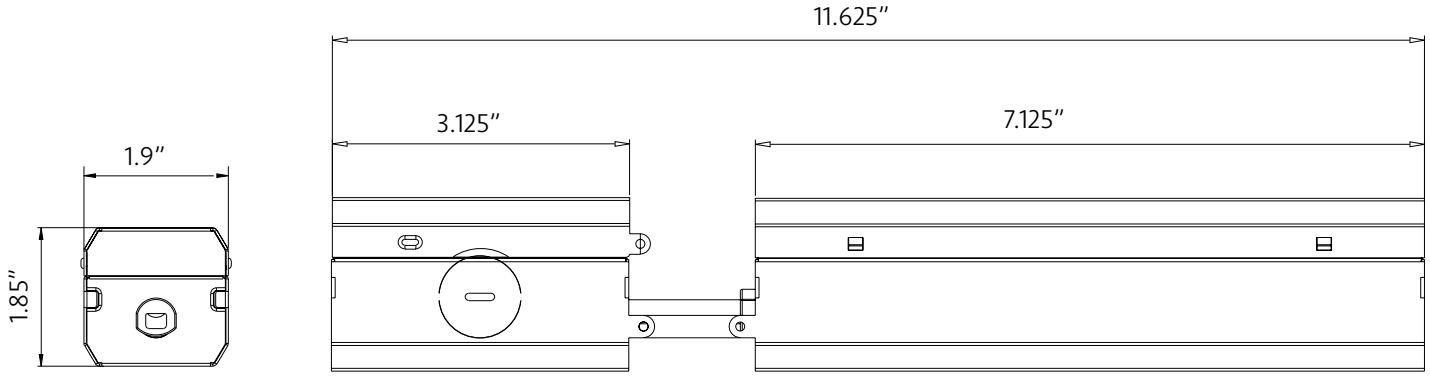
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DIMENSIONS



EM BATTERY DRIVER



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RYNO 2.5 TRIMLESS

2.5" RECESSED LED DOWNLIGHT

DELIVERED LUMENS MATRIX

90CRI, Lens Optic, White Trim

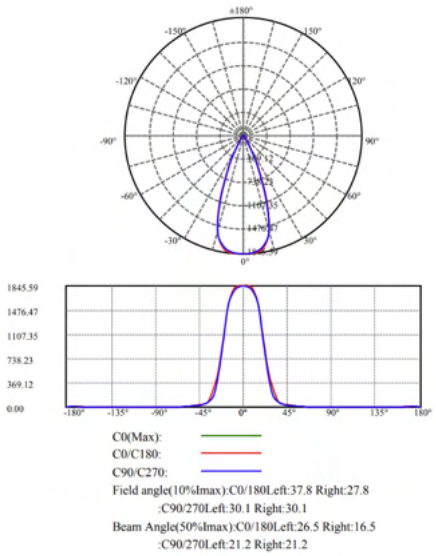
Wattage	Color Temperature	15° Optic	24° Optic	36° Optic	50° Optic
9W	2700K (90CRI)	1023.9	1072.2	1016.2	966
	3000K (90CRI)	957.4	996.08	952.72	925.7
	3500K (90CRI)	1073.86	1013	1006.22	999.02
	4000K (90CRI)	1101.06	1150.49	1093.15	1028.06
	Dim to Warm (98CRI)	702.99	720.2	684.69	662.4
	Hex Louver (3000K)	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

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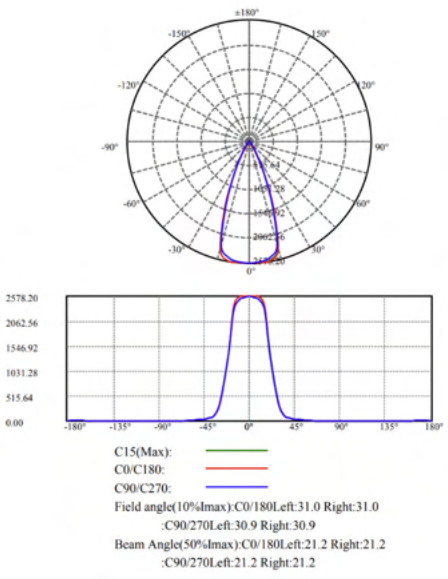
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

9W



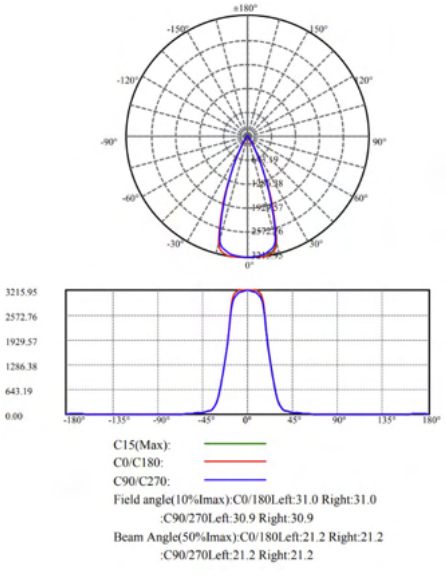
Field angle(10%Imax):C0/180Left:37.8 Right:27.8
:C90/270Left:30.1 Right:30.1
Beam Angle(50%Imax):C0/180Left:26.5 Right:16.5
:C90/270Left:21.2 Right:21.2

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

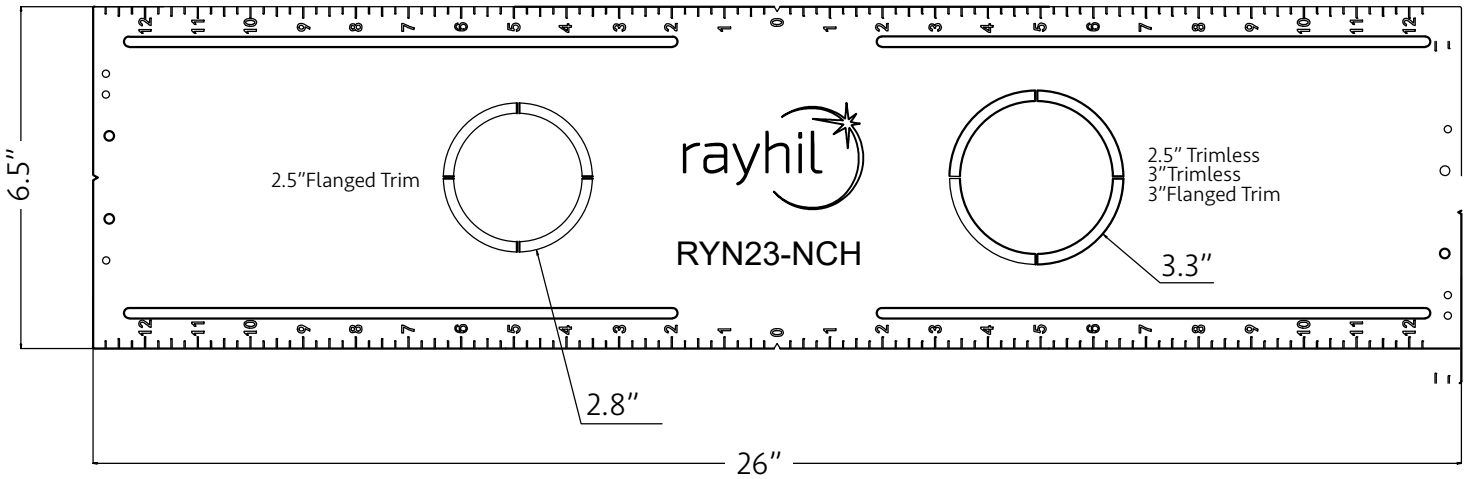
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NEW CONSTRUCTION MOUNTING PLATE NCH-RYN23

• 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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COMPATIBLE DRIVERS

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