

# NOC-3.5R

NONI 3.5" ROUND CYLINDER FAMILY

*Noni™*



## FEATURES

- Downlight, Lensed Wall Wash
- Surface, Pendant
- Cast aluminum, magnetically-attached reflectors with applied finishes
- Ultra-Smooth (SO) & High-CBCP (HO) Optics available (excludes LW)
- 2175 lumens max @ 80 CRI 3500K
- 90 CRI (27, 30, 35, 40K); 80 CRI (30, 35K)

## SPECIFICATIONS

### CONSTRUCTION

- Extruded and machined aluminum housing
- Downlight (DL) & Lensed Wall Wash (LW) functions feature reflectors from recessed portfolio
- ¼" Overlap flange fully covers junction box
- Cylinder assembly includes cylinder housing & reflector insert. Both matte finish. Can be mixed/matched as desired. Insert attaches to housing via magnets. Gasket centers insert

### OPTICS

- Ultra-Smooth (SO) Optic: Optical-grade silicone resulting in uniform distribution & smooth transition
- High-CBCP (HO) Optic: High efficiency, hybrid-style polycarbonate TIR
- Primary optic (SO or HO) accepts 1 beam shaping accessory.
- Reflector media holders included standard. Accept 1 reflector accessory.
- LWS style wall washer from recessed portfolio provided

### ELECTRICAL

- Integral LED module and driver are field-servicable
- Chip-on-board LED. 2 SDCM CCT consistency
- LED rated life L70 at >55,000 hours (TM-21)
- Integral solid state constant current dimming driver. 1% and Dim-to-Dark options for 0-10V, ELV and TRIAC controls. Lutron options available
- UL Class 2, inherent short circuit and overload protection. RoHS compliant

### INSTALLATION

- Ceiling mounted applications utilize standard 4x4" octagonal junction box (provided by others)
- Open ceiling canopy option features cutouts to allow surface-mounted conduit to pass through luminaire

### CERTIFICATIONS

- cULus certified to UL 1598 for damp locations
- Do not install in environments where ambient temperature exceeds 25°C

### WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	1300 - 1995
SCDM	2
Rated life	L70 @ >55,000 Hours
Efficacy	79 LPW @ 90 CRI 300K

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## ORDERING GUIDE

Examples: NOC-3.5RDL-CHNCSCMBL-SO35930K-DMINU-GT / NOC-3.5RDL-TRM-RPP-CLR

CATALOG #

### HOUSING

NOC-3.5R		CHN					Optic Type	
Series/Category/Size/Shape	Function	Housing	Canopy	Mounting				
NOC-3.5R Noni Cylinder Family 3.5" Round	DL Downlight	CHN Cylinder Housing	CS Canopy - Standard	CMBL Cable/Cord 6ft Black Cord <sup>2</sup>	CMWH Cable/Cord 6ft White Cord <sup>2</sup>	CM15BL Cable/Cord 15ft Black Cord	CM15WH Cable/Cord 15ft White Cord	Ultra-Smooth Optic
	LW Lensed Wall Wash		CC Canopy - Conduit					PR Stem - Rigid (Standard) Nominal 18" length from cylinder top to ceiling <sup>1</sup>
				PR_ Stem - Rigid (Custom) Specify length from cylinder top to ceiling in 1 inch increments from 15" to 60" <sup>1</sup>				SO30 30°
				P Stem - Swivel (Standard) Nominal 18" length from cylinder top to ceiling <sup>1</sup>				SO35 35°
				P_ Stem - Swivel (Custom) Specify length from cylinder top to ceiling in 1 inch increments from 15" to 60" <sup>1</sup>				SO40 40°
				SU Surface				SO45 45°
								SO60 60°
								SO70 70°
								High-CBCP Optic
								HO20 20°
								HO25 25°
								HO30 30°
								Wall Wash Optic
								LWLW Lensed Wall Wash <sup>3</sup>

CRI/CCT	Driver Options	Control Options	U Voltage	Cylinder Housing Color
927K 90 CRI, 2700K	DM1 0-10V, ELV, TRIAC 1%	N None	U Universal Voltage 120-277V	Texture
930K 90 CRI, 3000K	ERP 0-10V, ELV, TRIAC Dim-to-Dark			WH White
935K 90 CRI, 3500K	PEQOE Lutron Hi-Lume Premier 0.1%			GY Gray
940K 90 CRI, 4000K				BL Black
830K 80 CRI, 3000K				GT Graphite
835K 80 CRI, 3500K				PP Pink Panache
				GH Grasshopper
				Smooth
				WHS White
				GYS Gray
				BLS Black
				COS Copper
				AMW Anti-Microbial White
				Other
				X Custom Finish

### TRIM

NOC-3.5R		TRM		
Series/Category/Size/Shape	Function	Housing	Reflector Insert Color	Lens
NOC-3.5R Noni Cylinder Family 3.5" Round	DL Downlight	TRM Trim	Texture	CLR Clear
	LW Lensed Wall Wash		RWH White	FRS Frosted <sup>4</sup>
			RGY Gray	HEX Hex Cell Louver
			RBL Black	LIN Linear Spread
			RGT Graphite	NON No Lens
			RPP Pink Panache	SOL Solite
			RGH Grasshopper	
			Smooth	
			RWHS White	
			RGYS Gray	
			RBLS Black	
			RCOS Copper	
			RAMW Anti-Microbial White	
			Other	
			RX Custom Finish	

Notes:

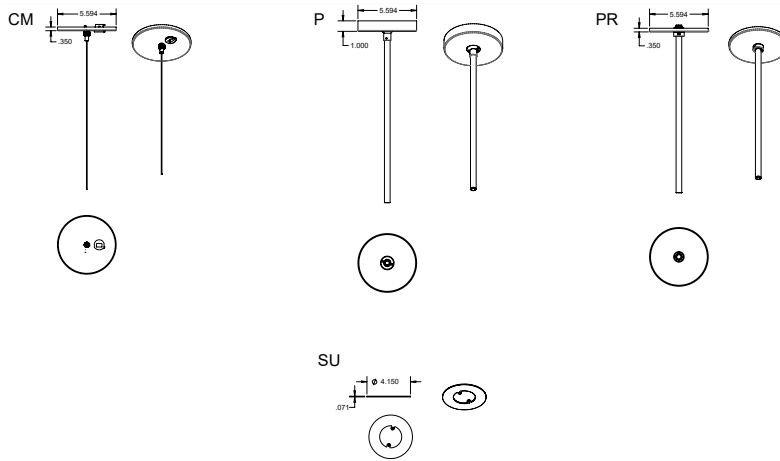
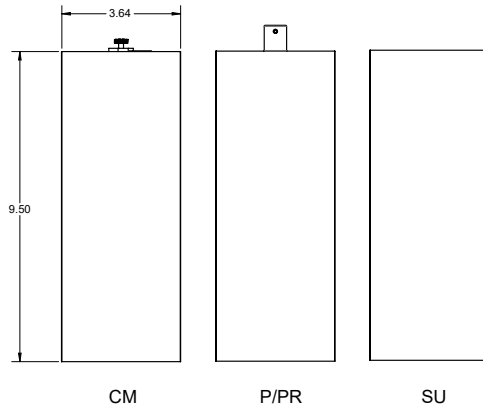
- 1 Stem length varies by canopy configuration. See Dimensions section for details
- 2 Cable/Cord can be cut in the field to custom length
- 3 Available only when "LW" function selected
- 4 FRS is the only option for LW

# NOC-3.5R

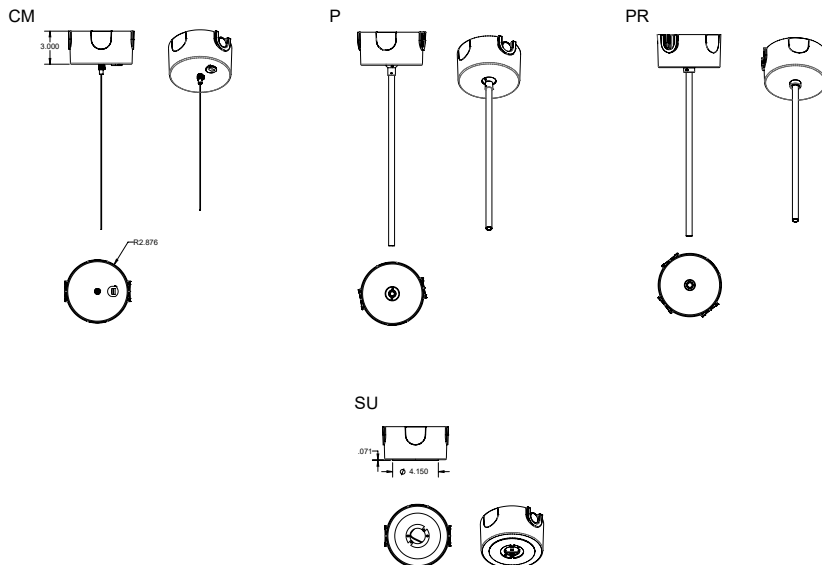
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## DIMENSIONS

### 3.5" CYLINDERS



### NOC-3.5R — Mounting Options With Standard Canopy



### NOC-3.5R — Mounting Options With Conduit Canopy

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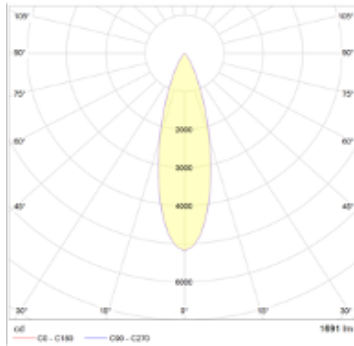
## PHOTOMETRY

### NOC-3.5RDL-CHNCSSU-HO25835K-DM1NUWHS – NOC-3.5RDL-TRM-RWHSSOL

#### LUMINAIRE DATA

Test No.	Scaled from 22.00407
Description	Noni 3.5" round downlight cylinder. 80 CRI, 35K. High Output Optic, 25 deg beam. White Reflector, Solite Lens.
Delivered Lumens	1691
Watts	25
Efficacy	67
Mounting	Surface
Spacing Criterion	0.5
Beam Angle	30

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

Degree	Candela
0	5110
5	4689
15	2452
25	777
35	206
45	68
55	19
65	4
75	1
85	0
90	0

#### LUMINANCE DATA\*

Vertical Angle	Average
45°	15388
55°	5201
65°	1661
75°	678
85°	0

\*Candela/Square Meter

#### ZONAL LUMEN SUMMARY

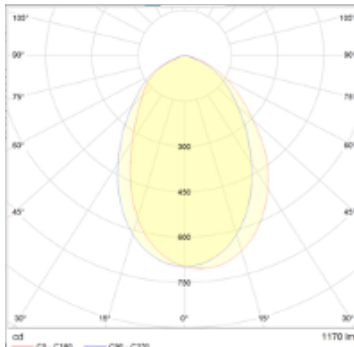
Zone	Lumens	% Luminaire
0-40	1596	95
0-60	1674	100
0-90	1691	100
0-180	1691	100

### NOC-3.5RLWS-CHNCSSU-LWLW835K-DM1NUWHS / NOC3.5RLW-TRM-RWHSEFRS

#### LUMINAIRE DATA

Test No.	Scaled from 22.00110
Description	Noni 3.5" round wall washer cylinder. 80 CRI, 35K. White Reflector
Delivered Lumens	1170
Watts	25
Efficacy	47
Mounting	Surface

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

Degree	Candela
0	698
5	707
15	677
25	591
35	469
45	322
55	204
65	144
75	37
85	4
90	0

#### LUMINANCE DATA\*

Vertical Angle	Average
45°	73315
55°	57149
65°	43418
75°	22715
85°	8175

\*Candela/Square Meter

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	702	60
0-60	1045	89
0-90	1170	100
0-180	1170	100

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## ELECTRICAL DATA

	DM1	ERP	PEQOE
Dimming Protocols Supported	0-10V, ELV, TRIAC	0-10V, ELV, TRIAC	Lutron Hi-Lume Premier 0.1%
Input Voltage	120-277V	120-277V	120-277V
Input Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Dim Level	600mA=1% for TRIAC/ELV; <1% for 0-10V 420mA=<1% for TRIAC/ELV; <5% for 0-10V	1% Dim-to-Dark	0.1% Dim-to-Dark
Power Factor (PF)	≥0.90	≥0.90	0.95 Typical
Total Harmonic Distortion (THD)	<20%	<20%	15% typ
Inrush Current	NEMA 410 Limit	NEMA 410 Limit	< NEMA 410-2011 Limit
Electromagnetic Interference (EMI) Filtering	FCC CFR Title 47 Part 15 Class B	FCC CFR Title 47 Part 15 Class B at 120Vac, Class A at 277Vac	FCC CFR Title 47 Part 15 Class A
Transient Surge Protection	IEEE C62.41.1-2002 & C62.41.2-2002 Category A	IEEE C62.41.1-2002 & C62.41.2-2002 Category A	Contact Lutron
Output Power	25W - Standard CCT	29.4W - Standard CCT	20W - Standard CCT

## ADDITIONAL INFORMATION

### Central Inverters

For full lumen output in back-up mode, we recommend you visit [www.dual-lite.com](http://www.dual-lite.com) for your Central Lighting Inverter options. Please contact your local Current representative for any assistance with proper sizing and loading of your inverter selection. Central lighting inverters must be ordered separately.