

NOC-3.5S

NONI 3.5" SQUARE CYLINDER FAMILY

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

FEATURES

- Downlight and Lensed Wall Wash
- Cast aluminum, magnetically-attached reflectors with applied finishes
- TIR primary optics with various beam options. Proprietary Square in Square option available
- Up to 2200 delivered lumens @ 80 CRI 3000K
- 90 CRI (27, 30, 35, 40K); 80 CRI (30, 35K)
- Dynamic white options (18–30K Dim-to-Warm, 27–65K Tunable White)



CONTROLS



SPECIFICATIONS

CONSTRUCTION

- Machined, extruded aluminum body with no visible hardware from below
- Downlight (DL) & Lensed Wall Wash (LW) functions feature reflectors and optics from recessed portfolio
- Surface mount (SU) ¼" Overlap flange fully covers junction box
- Cylinder assembly includes cylinder body & reflector insert, both matte finish. Insert attaches to collar via magnets. Can be mixed/matched as desired. Gasket centers insert and prevents light leak
- Canopy finish will match housing specification
- Conduit Canopy utilizes a patent pending mounting yoke to secure cylinder to the ceiling surface

OPTICS

- Static white fixtures feature low profile, high efficiency polycarbonate TIR primary optics for (DL) function. Square in Square (SS) optic option available
- All dynamic white fixtures feature optical grade silicone lens
- Optics installed and serviceable from below through housing aperture
- Media holder included standard. Accepts 1 reflector accessory. Matte black finish, reduces visual brightness at top of trim

ELECTRICAL

- Integral LED module and driver are field serviceable
- Chip-on-board LED. 2 SDCM CCT consistency for static white options. 3 SDCM consistency for Dynamic options
- Dim to Warm (2200K–3000K) or Tunable White (2700K–5000K or 2700K–6500K) options available
- Static White and Dim to Warm LED rated life L85 @ 55,000 hours (TM-21). Tunable White LED rated life L70 @ 50,000 hours (TM-21)
- Integral solid state constant current dimming driver. 1% and Dim-to-Dark options for 0–10V, ELV and TRIAC controls. NX control options available
- Drivers are UL Class 2, inherent short circuit and overload protection. RoHS compliant

INSTALLATION

- Available in Surface, Rigid Stem, Swivel Stem, and Cord/Cable mounting types
- Conduit Canopy options (CC, CY) allow field selectable conduit entry (up to 4@ 90°) to allow surface-mounted conduit to pass through luminaire
- Standard and custom pendant lengths available Rigid (PR) and Swivel (P) stems. ¼ NPS, schedule 40, 6063-T6 aluminum pipe

INSTALLATION (CONTINUED)

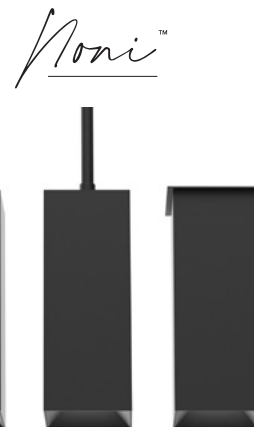
- Swivel stem (P) allows for sloped ceilings up to 35°
- Cord/Cable (CM) can be cut in field to custom length. 1/16" galvanized cable with 4 or 5 18AWG wires depending on configuration. Available with black or white jacket

CERTIFICATIONS

- cULus certified to UL 1598
- Suitable for damp locations
- Install in environments where ambient temperature does not exceed 25°C

WARRANTY

- 5 year warranty



KEY DATA	
Wattages	25, 17, 10
Beam Spreads	25, 30, 35, 50, 60
SDCM	2
Rated Life	L85 @ > 55,000 Hours

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ORDERING GUIDE

Examples: NOC-3.5SDL-CHNCSP17-930K-MD-DM1NU-BL / NOC-3.5SDL-TRM-RGT-SOL

CATALOG #	
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HOUSING

NOC-3.5S		CHN					
Series	Function	Housing	Canopy	Mounting		Output	CRI/CCT
NOC-3.5S Noni Cylinder 3.5" Square	DL Downlight	CHN Cylinder Housing	CS Standard	PR	Rigid Stem, Standard ¹	10 10 Watt	927K 90 CRI, 2700K
	LW Lensed Wall Wash		CX Standard Controls	PR_	Rigid Stem, Custom ¹	17 17 Watt	930K 90 CRI, 3000K
			CC Conduit	P	Swivel Stem, Standard ¹	25 25 Watt	935K 90 CRI, 3500K
			CY Conduit with Controls	P_	Swivel Stem, Custom ¹		940K 90 CRI, 4000K
				CMBL	6ft Black Cord with cable ²		830K 80 CRI, 3000K
				CMWH	6ft White Cord with Cable ²		835K 80 CRI, 3500K
				CM15BL	15ft Black Cord with cable ²		Dynamic
				CM15W	15ft White Cord with Cable ²		
				SU	Surface		
							1830DT 90 1800K–300K Dim-to-Warm ^{3,4}
							2765T 90 CRI, 2700K–6500K SpectraSync™ Tunable White ^{3,4,5}

Beam Spread ⁶		Dimming		Controls		U	Cylinder Housing Color	
VN	Very Narrow (.38 SC / 25°)	DM1	0–10V 1% ^{9,13}	N	None	U	Universal Voltage (120–277V)	Texture
NR	Narrow (.48 SC / 30°)	PDM	ELV, TRIAC 1% ¹³	NXE	NX Dual RJ45 SmartPORTS, without Sensor ^{9,10}			WH White
MD	Medium (.58 SC / 35°)	ERP	0–10V, ELV, TRIAC Dim-to-Dark ⁹	NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ^{9,10,14}			GY Gray
WD	Wide (.84 SC / 50°)	PEQOE	Lutron Hi-Lume Premier 0.1%					BL Black
SS	Square in Square (.90 SC / 60°)	SpectraSync						GT Graphite
LW	Lensed Wall Wash ⁷	DMT	0–10V 5% ³					PP Pink Panache
								GH Grasshopper
								Smooth
								WHS White
								GYS Gray
								BLS Black
								COS Copper
								AMW Anti-Microbial White
								Other
								X Custom Finish

TRIM

NOC-3.5S		TRM	Reflector Insert Color		Lens	
Series	Function	Trim	Texture			
NOC-3.5S Noni Cylinder 3.5" Square	DL Downlight	TRM Trim	RWH	White	SOL	Solite ¹¹
	LW Lensed Wall Wash		RGY	Gray	CLR	Clear ¹¹
			RBL	Black	FRS	Frosted ¹²
			RGT	Graphite	LIN	Linear Spread (10 x 40°) ¹¹
			RPP	Pink Panache	HEX	Hexcel Louver ¹¹
			RGH	Grasshopper	NON	No Lens ¹¹
			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 17W max
- 4 Available with NR or LW beam spread only
- 5 DMT driver must be selected for use with 2765T
- 6 DL Performance based on SOL lens with RWHS insert finish
- 7 Available only with FRS lens
- 8 Available only when LW functions selected
- 9 DM1 or ERP required with NX options
- 10 Must specify CX or CY canopy
- 11 Available only with DL function
- 12 Available with all functions. Must be selected with LW
- 13 Available with 25 or 17 watt only
- 14 Not compatible with SU mounting

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PERFORMANCE DATA

Performance data provided below based on 80 CRI, 3000K with White reflector and Solite lens. Extra Wide (XW) and Lensed Wall Wash (LW) performance includes White reflector and Frosted lens.

Output	Beam Spread	Beam	Delivered Lumens	Efficacy	Spacing Criterion	Candela @ 0°
25 Watt	Very Narrow (VN)	25x25	2199	87	0.38	10547
	Narrow (NR)	30x30	2112	83	0.48	6993
	Medium (MD)	35x35	1989	79	0.58	4698
	Wide (WD)	50x50	2096	83	0.84	2730
	Square in Square (SS)	60x60	1280	51	0.9	912
17 Watt	Very Narrow (VN)	25x25	1660	96	0.38	7963
	Narrow (NR)	30x30	1595	92	0.48	5279
	Medium (MD)	35x35	1501	87	0.58	3547
	Wide (WD)	50x50	1582	91	0.84	2061
	Square in Square (SS)	60x60	967	56	0.9	689
10 Watt	Very Narrow (VN)	25x25	1031	101	0.38	4947
	Narrow (NR)	30x30	991	97	0.48	3280
	Medium (MD)	35x35	933	91	0.58	2204
	Wide (WD)	50x50	983	96	0.84	1280
	Square in Square (SS)	60x60	600	59	0.9	428
10 Watt	Wall Wash (LW)		624	61		247

Output		Delivered Lumens	Efficacy	Max Candela
25 Watt	Wall Wash (LW)	1330	53	524
17 Watt	Wall Wash (LW)	1004	58	398
10 Watt	Wall Wash (LW)	624	61	247

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MULTIPLIER TABLE

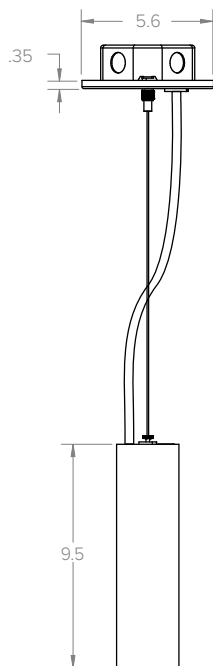
CRI, CCT	927		930		940		830		835		1830TD		2765T	
	0.83		0.86		0.87		1.0		1.02		0.46		0.55*	
Media	SOL		CLR		LIN		HEX		FRS		NON		*Multiplier value based on 4600K.	
	1.0		1.02		0.95		0.76		0.78		1.12			
Output	10 Watt		17 Watt		25 Watt									
	0.47		0.76		1.0									
Finishes	RWH	RGY	RBL	RGT	RPP	RGH	RWHS	RGYS	RGBLS	RCOS	RAMW			
	1.0	0.9	0.85	0.85	0.8	0.8	1.02	0.95	0.9	0.8	1.05			

ELECTRICAL DATA

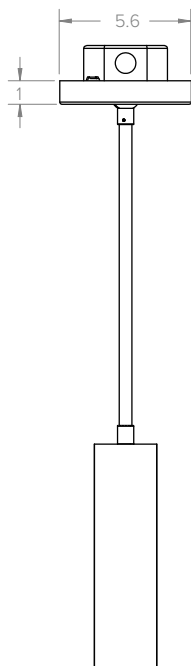
	DM1	PDM	ERP	PEQ0E
Dimming Protocols Supported	0–10V	ELV, TRIAC	0–10V, ELV, TRIAC	Lutron Hi-Lume Premier 0.1%
Input Voltage	120–277V	120–277V	120–277V	120–277V
Input Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Dim Level	<1%	1%	1% Dim-to-Dark	0.1% Dim-to-Dark
Power Factor (PF)	≥0.90	≥0.90	≥0.90	0.95 Typical
Total Harmonic Distortion (THD)	<20%	<20%	<20%	15% Typical
Inrush Current	NEMA 410 Limit	NEMA 410 Limit	NEMA 410 Limit	NEMA 410 Limit
Electromagnetic Interference (EMI) Filtering	FCC CFR Title 47 Part 15 Class B	FCC CFR Title 47 Part 15 Class B	FCC CFR Title 47 Part 15 Class B at 120Vac, Class A at 277Vac	Contact Lutron
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	IEEE C62.41.1-2002 & C62.41.2-2002 Category A	Contact Lutron

DIMENSIONS

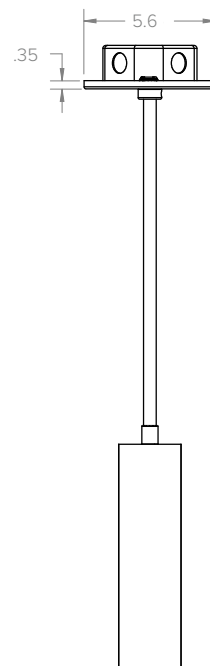
**Cord/Cable
(CM)**



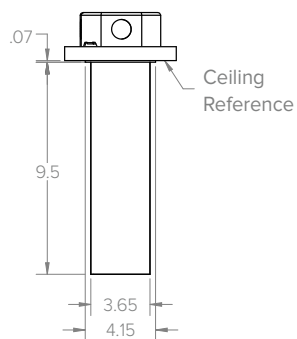
**Swivel Stem
(P)**



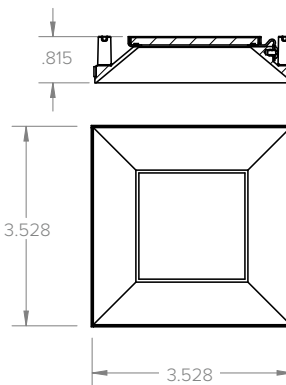
**Rigid Stem
(PR)**



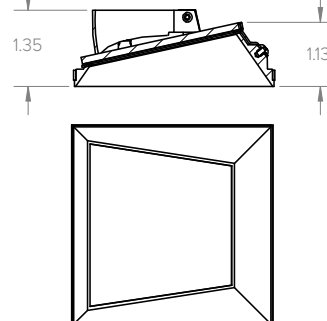
**Surface Mount
(SU)**



**Downlight
(DL)**

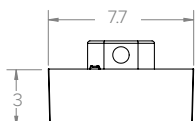


**Wall Wash
(LW)**

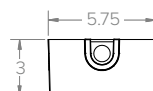


**Reflector
Insert**

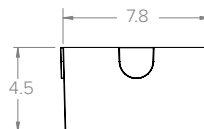
**Standard w/ Controls
(CX)**



**Conduit
(CC)**



**Conduit w/ Controls
(CY)**



**Additional
Canopy Options**