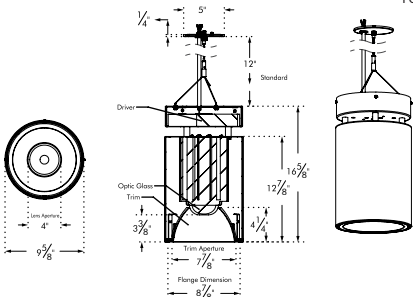


SCH8-LED-SM

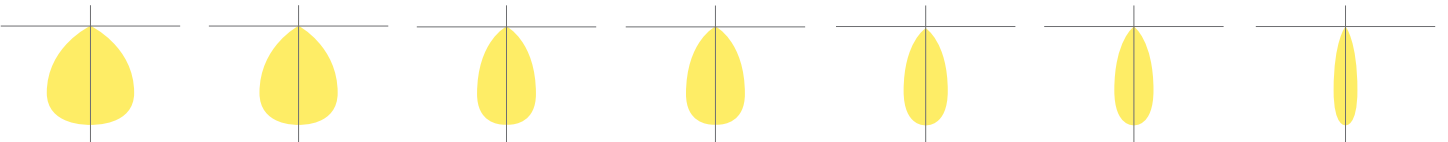
FOR 6000 and 8000 LUMENS



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
8000	7948	79 W
6000	6696	61 W
4000	4575	38 W
3000	3374	32 W
2000	2252	20 W
1500	1785	15 W
1200	1398	12 W
900	1065	9 W
NOMINAL LUMENS (HP)	DELIVERED LUMENS (HP)	WATTAGE (HP)
1200	1422	10W
2000	2102	18W
3000	3259	28W

Based on 4000K, 90CRI with semi-specular chrome reflector. Actual wattage may vary +/-5%

VWD: Very Wide WD:Wide MWD:Medium Wide MD:Medium ND: Narrow SPD: Spot NSPD: Narrow Spot



Reference IES files for additional distribution curve information.

FEATURES

A highly sustainable and ultra-efficient architectural LED Cylinder that provides even, glare-free illumination. Available in a range of mountings, finishes, distributions, and lumen packages, it is ideally suited for use in corporate office, hospitality, healthcare, commercial, and academic spaces, as well as churches, airports and in retail merchandising.

OPTICS AND TRIMS

The reflector has a 45° visual cutoff, and is shipped standard with a Solite lens in a smooth frosted finish. Spun from 0.05" thick aluminum, with a 1-step anodized finish, available in different colors or custom RAL finishes, and various distribution options are available.

LUMENS	900, 1200, 1500, 2000, 3000, 4000, 6000, 8000 (Custom lumen packages available)
CCT & DYNAMIC PLATFORMS	27K, 30K, 35K, 40K, 50K, Tunable White, Dims to Warm, RGB + White
CRI	90+ Standard, 98+ Optional
COLOR QUALITY	2 Step MacAdam Ellipse
DISTRIBUTIONS	VWD, WD, MWD, MD, ND, SPD, NSPD
MOUNTING OPTIONS	CM (Ceiling Mount), WM (Wall Mount), UDM (Up & Down Wall Mount), PM (Pendant Mount), SM (Suspended Mount)
BODY FINISHES	WH (White), BK (Black), BZ (Bronze), SI (Silver) WAM(White Anti Microbial), Custom RAL
REFLECTOR COLORS	CL (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), WT (Wheat), W (White), MB (Black)
DIMMING	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, LUTFTB, ELD010.1-LIN, ELDODMX.1, ELDODALJ.1, DIMTR, BLE,POE,ELD010-LOG, XSR, DIM10-AUX, DIM10-0-Off
EMERGENCY	10W - Up to 1000L Output 20W - Up to 2000L Output EMG-LED-G2-10W-SDT - Self Diagnostic (Consult Factory) GTD-UL924
LIFETIME	L70>60,000-hour reported lifetime L70>250,000-hour calculated lifetime as per TM-21
PHOTOMETRIC TESTS	In accordance with IES LM79-08 and LM80, TM-30, TM-21
UGR	UGR <19 (Consult factory for more details)



CONSTRUCTION

The cylinder frame and housing comes standard with a post-painted matte white finish and a 060" thick spun die-formed construction for maximum heat dissipation and rust protection. Other standard finishes and custom colors are also available.

THERMAL MANAGEMENT SYSTEM

Die-cast aluminum heatsink engineered for extremely long life. Heat sink is attached to top of housing. The LED light engine is attached to the die-cast heat sink and is easily replaceable and upgradeable.

MOUNTING OPTIONS

Suspended mount option is supplied with an aircraft adjustable cable, and is ideal for sloped ceiling applications up to 45 degrees.

DIMMING & DRIVER INFORMATION

DIM10 - 0-10V dimming on either MVOLT 120, 277 or 347V. Dimmable down to 1% of initial lumens, standard.

DIMTR - Triac & Electronic low voltage dimming. Available in 120V, and up to 6000 lumens only.

LUTH - Lutron LDE1 Hi-Lume 1% Eco System LED driver with Soft-on, Fade to Black dimming technology.

LUTFB - Lutron PEQOE Hi-Lume Premier 1% Eco System LED Driver with Soft-on, Fade to Black dimming technology to 1500 lumens.

ELDO10.1-LIN - EldoLED SoloDrive 0-10V. Dimming down to 0.1%. Linear dimming curve.

DALI - DALI DT6, DT8 dimming down to 1%.

ELDODMX - EldoLED PowerDrive dimming down to 0.1%.

BLE - Luminaires may be controlled, grouped, scheduled or placed in scenes and or zones Via Cassambi Bluetooth 4.0 App.

DIM10-O-OFF - Program DIM10-to OFF with linear dimming curve 0.1%

ELDO10-LOG - ELDO10-LOG with logarithmic dimming curve.

POE - Power-over-Ethernet Depending on the PoE manufacturer selected, The Node will install the node in factory as either integral to the luminaire or as a remote module.

XSR - Xitanium SR Dimming

DIM10-AUX - 0-10V with Auxiliry power

LED MODULE

The LED module provides a uniform source with high efficiency and no pixelation and 5 static CCT options (2700K, 3000K, 3500K, 4000K, or 5000K). Available in 90 CRI as a standard in accuracy within 2 SDCM; color uniformity 90 CRI, R9>50.

ENVIRONMENT

Luminaire must be installed and operated in damp or dry locations where the ambient temperature ranges from -4°F to 104°F (-20°C to 40°C).

LED DYNAMIC PLATFORM OPTIONS



Tunable White with Smart White Technology allows for color tuning of the luminaire via various controls. Create the perfect environment for the desired use of the space, while maintaining a CRI of 90+ across the tunable range of 8000 to 1650K.



Dims to Warm with Smart Dimming Technology. At 100% full brightness the luminaire is at 3000K. When dimmed to 1%, the light transitions to 1800K, creating a warm ambiance within the space.



RGB+White with Smart Hue Technology provides full color mixing of RGB and white colors. Allows for choice of unlimited RGB color options via various controls. Ideal for circadian rhythm applications or to create human-centric environments.

DRIVER ELECTRICAL INFORMATION

The LED driver is rated for 50 to 60Hz at 120V/277V input, produces less than 20%THD, has a power factor between 90% and 100%, and is thermally protected for additional safety. Junction box and driver can be accessed both from below and above the ceiling. Junction box is listed for through branch circuit wiring. A UGR (Unified Glare Rating) of less than 19 minimizes the effect of glare, enhancing well-being and reducing discomfort.

OPTICAL DISTRIBUTION

Modular Optics Available with 15°, 24°, 30°, 36°, 52°, 60° and 70° field interchangeable optics design with 45° cutoff to source. Top-down flash characteristic for superior glare control. Optics attach directly to the light engine and trim for complete optical alignment and sufficient efficacy. A UGR (Unified Glare Rating) of less than 19 minimizes the effect of glare, enhancing well-being and reducing discomfort.

WARRANTY

5-year warranty for parts and components (labor not included).

LISTING

c-UL-us - Listed for Feed Through Wiring.

Energy Star and California Title 24 compliant.

Optional Black color trim is not ENERGYSTAR certified and won't meet the requirement.

BAA- Buy American Act Compliant government procurement.

requirements under FAR, DFARS and DOT regulations.

EXAMPLE: SCH8-LED-SM-DIM10-120-MD-30K-90

SERIES	LUMENS	DRIVER	VOLTAGE	OPTICS	CCT	CRI	BODY FINISHES	EMERGENCY	TRIM TYPES	REFLECTOR/ FLANGE COLORS
SCH8-LED-SM	<input type="checkbox"/> 900L	<input type="checkbox"/> DIM10	<input type="checkbox"/> 120	<input type="checkbox"/> VWD 70°	<input type="checkbox"/> 27K	<input type="checkbox"/> 85+	<input type="checkbox"/> WH-WHITE	<input type="checkbox"/> EMG-LED-10W	<input type="checkbox"/> HH8-8501	<input type="checkbox"/> CL-WH
MOUNTING	<input type="checkbox"/> 1200L	<input type="checkbox"/> DIMTR ¹ 5	<input type="checkbox"/> 277	<input type="checkbox"/> WD 60°	<input type="checkbox"/> 30K	<input type="checkbox"/> (for 50K CCT only)	<input type="checkbox"/> BK-BLACK	<input type="checkbox"/> EMG-LED-20W	<input type="checkbox"/> Flanged Downlight	<input type="checkbox"/> CL-SCH
<input type="checkbox"/> PM12-12"	<input type="checkbox"/> 1500L	<input type="checkbox"/> LUTH ² 5	<input type="checkbox"/> MVOLT	<input type="checkbox"/> MWD 52°	<input type="checkbox"/> 35K	<input type="checkbox"/> 90+	<input type="checkbox"/> BZ-BRONZE	<input type="checkbox"/> EMG-LED-G2-10W-SDT*	<input type="checkbox"/> HH8-8507	<input type="checkbox"/> SHZ-WH
<input type="checkbox"/> PM18-18"	<input type="checkbox"/> 2000L	<input type="checkbox"/> LUTFB ⁶	<input type="checkbox"/> 347	<input type="checkbox"/> MD 36°	<input type="checkbox"/> 40K	<input type="checkbox"/> 98+ ⁴	<input type="checkbox"/> SI-SILVER	Typical lumen output of the luminaire is up to 1000L with EMG-LED-10W option & 2000L with EMG-LED-20W option in emergency mode. Contact the factory for details. Remote mounted installation * Consult Factory for Self Diagnostic	<input type="checkbox"/> Flanged Single Wall Wash	<input type="checkbox"/> SHZ-SHZ
<input type="checkbox"/> PM24-24"	<input type="checkbox"/> 3000L	<input type="checkbox"/> ELD010-.1 ²	(DIM10 only)	<input type="checkbox"/> ND 30°	<input type="checkbox"/> 50K ³	<input type="checkbox"/> WAM	<input type="checkbox"/> W-WHITE		<input type="checkbox"/> Flanged Double wall wash	<input type="checkbox"/> HH8-8577
<input type="checkbox"/> PM36-36"	<input type="checkbox"/> 4000L	<input type="checkbox"/> ELDODALI-.1 ²		<input type="checkbox"/> SPD 24°	(85+CRI only)	<input type="checkbox"/> RAL	<input type="checkbox"/> Custom Color		<input type="checkbox"/> W-WH	<input type="checkbox"/> MB-WH
<input type="checkbox"/> PM48-48"	<input type="checkbox"/> 6000L	<input type="checkbox"/> BLE		<input type="checkbox"/> NSPD 15°					<input type="checkbox"/> CL-BK	<input type="checkbox"/> CL-WH
<input type="checkbox"/> SM-10-1 SUSPENDED MOUNT single point cable suspension	<input type="checkbox"/> 8000L ⁸	<input type="checkbox"/> POE							OPTIONS	<input type="checkbox"/> MB-BK
<input type="checkbox"/> SM-10-3 SUSPENDED MOUNT 3 point cable suspension		<input type="checkbox"/> DIM10-O-OFF							<input type="checkbox"/> HP (High Performance) ⁷	
(Consult factory for other sizes)		<input type="checkbox"/> ELD010-LOG								
		<input type="checkbox"/> XSR								
		<input type="checkbox"/> DIM10-AUX								

¹ DIMTR are available in 120V only

² ELD010-1, ELDODALI -1, and ELDODMX-1 are available in 120V and 277V

³ 50K series are available with 85+ CRI only

⁴ 98+ CRI is available in 27K, 30K and 40K only

⁵ LUTH Available for luminaires up to 3000L, DIMTR Available for luminaires up to 5000L

⁶ LUTFB Available for luminaires up to 1500L

⁷ 3500K and 4000K based on 90 CRI

⁸ 8000L is only available on DIM10 dimming option

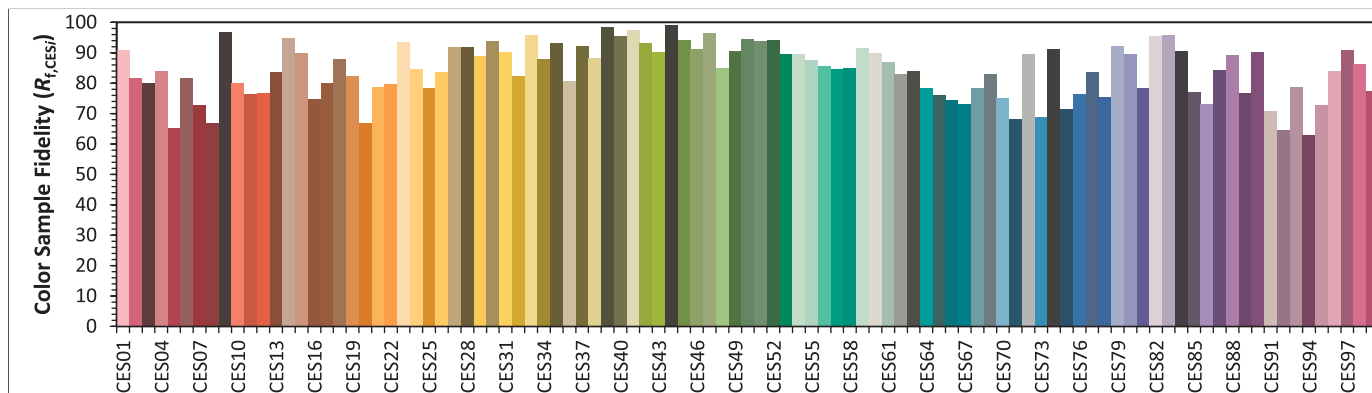
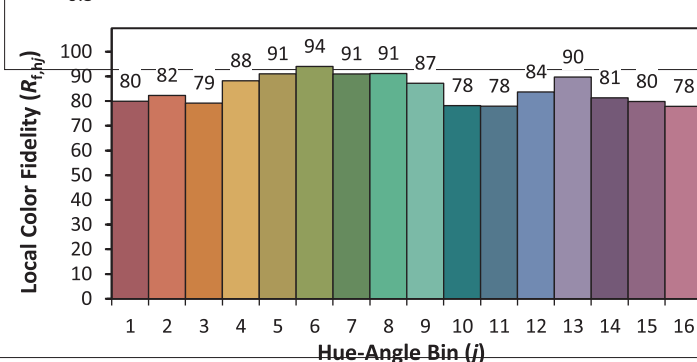
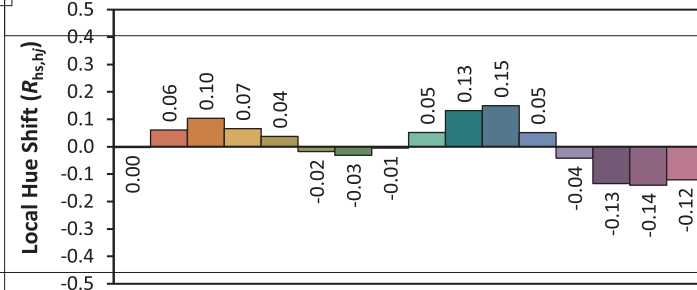
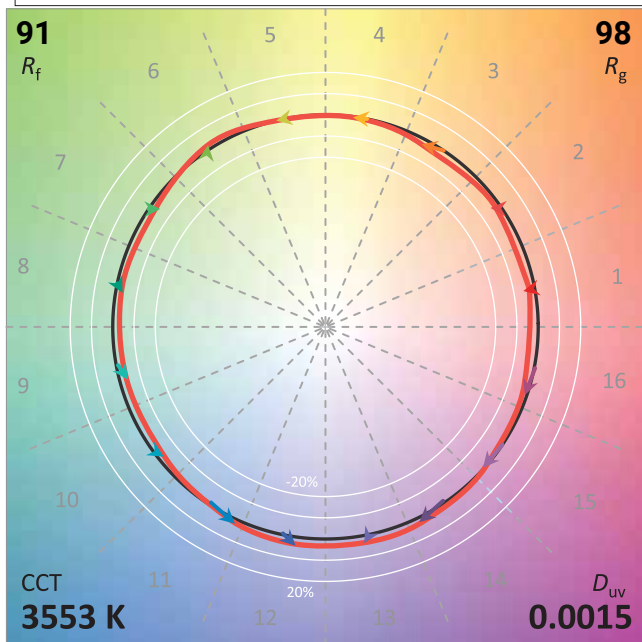
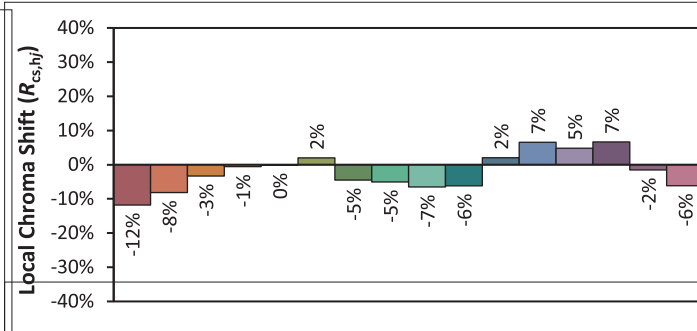
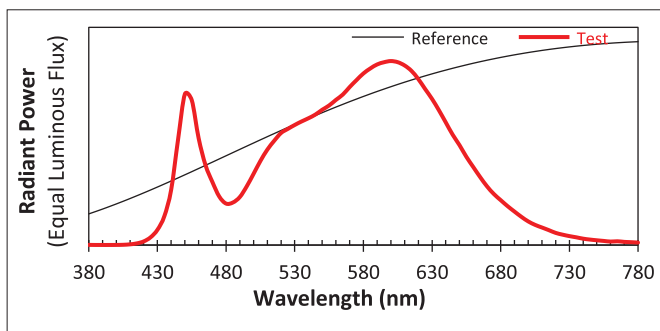
ANSI/IES TM-30-18 Color Rendition Report

Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.4039
 y 0.3935
 u' 0.2337
 v' 0.5122

CIE 13.3-1995 (CRI)	
R_a	91
R_g	58

Colors are for visual orientation purposes only. Created with the ANSI/IES TM-30-18 Calculator Version 2.00.



- 1- Luminaire will be shipped with Powerpacks pre-installed, ready to be integrated to designated contol systems
- 2- Luminaire will be shipped with Sensors installed on the luminaire, allowing for individual luminaire control. Luminaires will be ready to be integrated with designated control systems
- 3- Luminaire will be shipped with Sensors to be remotely installed on the ceiling. Luminaires will be ready to be integrated with designated control systems

BRAND							
CONTROL UNIT	<input type="checkbox"/> NXFM-1R2D-0-UNV NX Fixture Module, Offset, 1 Relay, 2 0-10V Dimming Channels, 120-347VAC, Blue	<input type="checkbox"/> FCJS-010 Lutron Vive 0-10V Individual Pow Pak (Luminaire is shipped Vive Enabled) ¹⁴ <input type="checkbox"/> FCJS-ECO Lutron Vive Eco-system Pow Pak (Luminaire is shipped Vive Enabled) <input type="checkbox"/> A-WN-D01-RF-WH Athena wireless node (RF only) (White) <input type="checkbox"/> A-WN-D01-OCC-WH Athena wireless node with sensor (White)	<input type="checkbox"/> CU-4E-FMH Fixture Mount Control Unit ¹⁵	<input type="checkbox"/> ZL027 -NOW Intellect Power Control Module ¹⁶ <input type="checkbox"/> ZL027 -NOW Intellect Power Control Module ¹⁶	<input type="checkbox"/> EN-WCM2-ZB-DR Wireless Control Module ¹⁷ <input type="checkbox"/> EN- ALC-ZB-BK-DR Wireless Area Lighting Control Module ¹⁷ <input type="checkbox"/> ZBHA-CLM-DIM-ENC Connected Lighting Module DIM ¹⁷	<input type="checkbox"/> SBR -BS Xitanium SR Bridge ¹⁸	<input type="checkbox"/> LMFC-011 ON/OFF/0-10V dimming fixture controller ¹⁹
INTEGRAT SENSOR	N/A	N/A	N/A	N/A	N/A	N/A	N/A
*WIRELESS OCCUPANCY SENSOR	<input type="checkbox"/> NXSM2-SMI NX Slide Mount Indoor Sensor Module	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> LMDC-100 Dual technology PIR Ceiling Mount Occupancy Sensor ³
*WIRELESS DAYLIGHT SENSOR	<input type="checkbox"/> LUXSTATLS Luxstat Light Sensor for Luxstat Control Modules, 3 to 6000 FC	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> LMLS-400 Single zone switching and dimming digital photosensor ³
*WIRELESS OCCUPANCY & DAYLIGHT SENSOR	<input type="checkbox"/> NXSM2T Indoor Ceiling Mount Sensor - OMNI	N/A	<input type="checkbox"/> SU-5E-IoT IoT Node Micro Sensor ³ <input type="checkbox"/> SU-5E-CL Connected Lighting Micro Sensor ³ <input type="checkbox"/> SU-5E-IL Independent Lighting / Enlighted One Micro Sensor ³ <input type="checkbox"/> SU-5S-H-(IoT/CL/IL) Surface Mount Sensor ³ (Must be specified with CU-4E-FMH Control Unit)	<input type="checkbox"/> ZL00J -TOW Intellect Intelligent Fixture Control System ³ (Must be specified with ZL027 -NOW Control Unit)	<input type="checkbox"/> EN-CLM-PIR-DD-ZB SensiLUM™ Wireless Integrated Sensor <input type="checkbox"/> EN-SCPPH-1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors ³ (Must be specified with EN-WCM2-ZB-DR or EN-ALC-ZB-BK-DR Control Unit)	<input type="checkbox"/> SNS200-CMP SNS200 for grouping ³	N/A
ACCESORIES	N/A	N/A	<input type="checkbox"/> TMC-SU-5E Tile Mount Carrier <input type="checkbox"/> CBL-5E-CU4-30N 30 inch Sensor Cable for CU-4 and IoT Ready™ drivers <input type="checkbox"/> CBL-5E-CU4-7F 7 foot Sensor Cable for CU-4 and IoT Ready™ drivers	N/A	N/A	N/A	N/A
NOTES	N/A	4- Luminaire will be compatible with Lutron LRF2-OCR2B-P-WH Ceiling mount 360° occupancy/vacancy sensor & LRF2-DCRB-WH Ceiling-mount daylight sensor. Sensors must be ordered through Lutron.	5- Luminaire will be compatible with ENLIGHTED SU-5E-IoT, SU-5E-CL, SU-5E-IL, SU-5S-H, Sensors.	6- Luminaire will be compatible with Leviton Intellect App & Keypad Room Controller	7- Luminaire will be compatible with EN-SCPPH-1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors	8- Luminaire will be compatible with Philips field and wireless switch.	9- Luminaire will be compatible with DLM Room control system LMPB-100. DLM control system must be orderd through Legrand.