



SCH8-LED-CM



SCH8-LED-WM



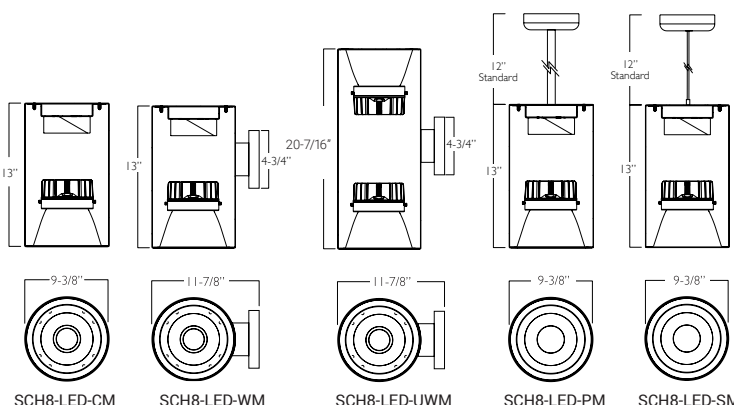
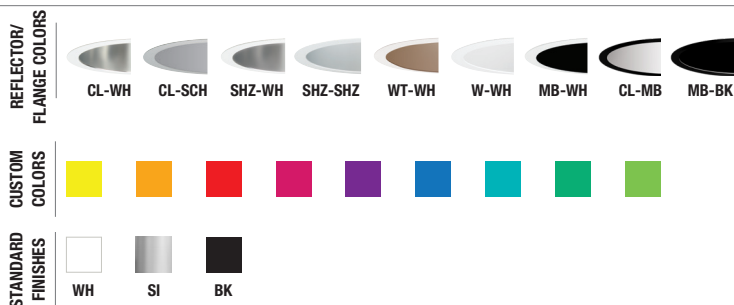
SCH8-LED-UWM



SCH8-LED-PM



SCH8-LED-SM



NOMINAL LUMENS	WATTAGE
2000	34 W
1500	24 W
1200	18 W
900	13 W

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

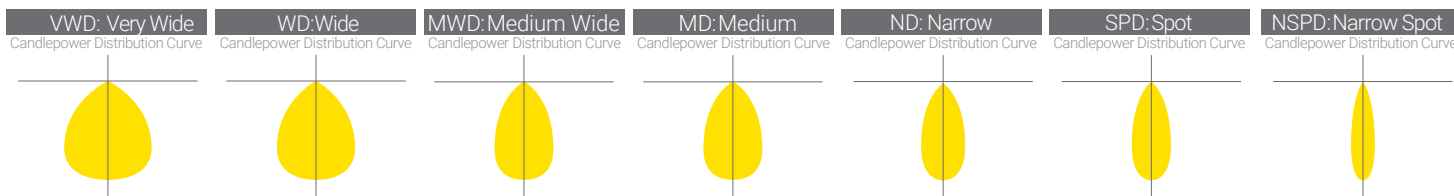
DYNAMIC PLATFORM

SMART DIM - Dims to Warm with Smart Dim technology simulates traditional incandescent halogen lighting through dimming, while providing the energy efficiency, high performance and longevity of LED luminaires. When the luminaire dims to warm, it makes a smooth transition across the black body radiator curve. Starting with a 100% lumen output at 3000K, down to a 1% lumen output at 1800K, and maintaining a constant CRI of 90+. It results in rich amber tones as the light dims, encouraging relaxation. An ideal source for hospitality, restaurants, and assisted living applications.

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

LUMENS	900, 1200, 1500, 2000
CCT & DYNAMIC PLATFORMS	100% lumen output at 3000K, down to a 1% lumen output at 1800K
CRI	90+ Standard
COLOR QUALITY	2 Step MacAdam Ellipse
DISTRIBUTIONS	VWD, WD, MWD, MD, ND, SPD, NSPD
MOUNTING OPTIONS	CM (Ceiling Mount), WM (Wall Mount), PM (Pendant Mount), SM (Suspended Mount)
BODY FINISHES	WH (White), BK (Black), BZ (Bronze), SI (Silver), 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, LUT2W, DIMTR, LUTH, ELD010-.1, ELD0DALI-.1, ELD0DMX-.1
EMERGENCY	10W - Up to 1000L Output (Bodine BSL310) 20W - Up to 2000L Output (Bodine BSL20)
LIFETIME	L70 at 50,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21



Reference IES files for additional distribution curve information.





suited for use in corporate office space, hospitality, healthcare, commercial, academic, churches, airports and retail merchandising.

OPTICS AND REFLECTOR

The reflector has a 45° cutoff, and is shipped standard with a Solite lens in a smooth frosted finish. It is spun from 0.05" thick aluminum, has a 1-step anodized finish, and is available in different colors or custom RAL finishes. Reflector trim options include selfflanged and white painted flange. Various distribution options are available, and all optics are field changeable

CONSTRUCTION

The cylinder body comes standard with a post-painted mate white finish and die-formed construction for maximum heat dissipation and rust protection. Other standard finishes and custom colors are also available.

THERMAL MANAGEMENT SYSTEM

Passive cooling Diecast Aluminum Heat Sink, LED light engine and driver are replaceable, upgradeable, and can be accessed from below the ceiling. The consistency in the quality of light is delivered with precision performance by the use of a unique locking mechanism that aligns the reflector with the light engine.

MOUNTING OPTIONS

Ceiling mount bracket provided for direct installation with 3-1/4" to 4" octagonal and square junction box. Pendant mount option is supplied with a 5" diameter canopy cover. Suspended mount option is supplied with an aircraft adjustable cable, and is ideal for sloped ceiling applications up to 45 degrees.

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 from below the ceiling and above the ceiling. Junction Box is Listed for through branch circuit wiring.

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 3000 lumens only.

LUT2W - Lutron LTEA2W Hi-Lume 1%. 2-wire LED Driver Forward Phase Control, 1% dimming in 120V only. Available on all luminaires up to 40 watts.

LUTH - Lutron LDE1 Hi-Lume Eco System. 1% dimming with Soft in Fade to Black dimming technology.

ELDO10.1 - EldoLED SoloDrive 0-10V. Dimming down to 0.1%.

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

ELDOMX.1 - EldoLED PowerDrive dimming down to 0.1%.

Please see EldoLED website for wiring diagrams and a list of compatible DMX and Dali control systems.

WARRANTY

Five-year warranty for parts and components. (Labor not included)

LISTINGS

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



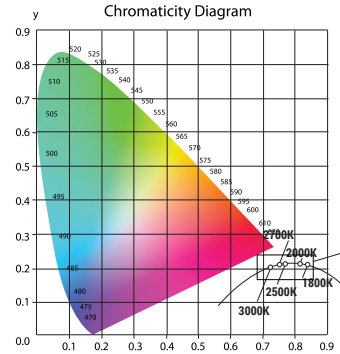
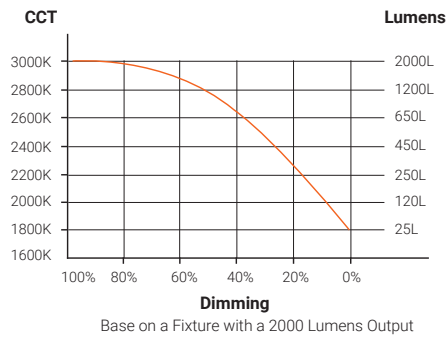
Example: **SCH8-LED-WDM-30K-18K-900L-DIM10-120-MD-90-WH-CM-HH8-8501-CL-WH**

SERIES	LUMENS	DRIVER	VOLTAGE		BODY FINISHES	MOUNTING OPTIONS	EMERGENCY	TRIM TYPES	REFLECTOR/FLANGE COLORS
SCH8-LED-WDM-30K-18K	<input type="checkbox"/> 900L <input type="checkbox"/> 1200L <input type="checkbox"/> 1500L <input type="checkbox"/> 2000L	<input type="checkbox"/> DIMTR ¹ <input type="checkbox"/> DIM10* <input type="checkbox"/> LUTH ² <input type="checkbox"/> LUT2W ¹ <input type="checkbox"/> ELD010.1 ² <input type="checkbox"/> ELD0DMX.1 ² <input type="checkbox"/> ELD0DALI.1 ²	<input type="checkbox"/> 120 <input type="checkbox"/> 277 <input type="checkbox"/> MVOLT		<input type="checkbox"/> WH-WHITE <input type="checkbox"/> BK-BLACK <input type="checkbox"/> BZ-BRONZE <input type="checkbox"/> SI-SILVER <input type="checkbox"/> Custom Color	<input type="checkbox"/> CM-CEILING MOUNT <input type="checkbox"/> WM-WALL MOUNT <input type="checkbox"/> UWM-UP/DOWN WALL MOUNT ONLY ¹ <input type="checkbox"/> PM12-12" <input type="checkbox"/> PM18-18" <input type="checkbox"/> PM24-24" <input type="checkbox"/> PM36-36" <input type="checkbox"/> PM48-48" <input type="checkbox"/> SM-10' SUSPENDED MOUNT (Consult factory for other sizes)	<input type="checkbox"/> EMG-LED-10W <input type="checkbox"/> EMG-LED-20W 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	<input type="checkbox"/> HH8-8501 Flanged Downlight <input type="checkbox"/> HH8-8507 Flanged Wall Wash <input type="checkbox"/> HH8-8577 Flanged Double Wall Wash	<input type="checkbox"/> CL-WH <input type="checkbox"/> CL-SCH <input type="checkbox"/> SHZ-WH <input type="checkbox"/> SHZ-SHZ <input type="checkbox"/> WT-WH <input type="checkbox"/> W-WH <input type="checkbox"/> MB-WH <input type="checkbox"/> CL-BK <input type="checkbox"/> MB-BK
				<div>OPTICS</div> <div><input type="checkbox"/> VWD 70° <input type="checkbox"/> WD 60° <input type="checkbox"/> MWD 52° <input type="checkbox"/> MD 36° <input type="checkbox"/> ND 30° <input type="checkbox"/> SPD 24° <input type="checkbox"/> NSPD 15°</div>					

¹ DIMTR and LUT2W are available in 120V only

² LUTH, ELDO10.1, ELDODALI.1, and ELDODMX.1 are available in 120V and 277V

-Reference last page for Control Options



SCH8-LED-WDM-30K-18K-2000L-120-MD-HH8-8501-CL-WH

INPUT WATTS: **34.6**

LUMENS: **2103**

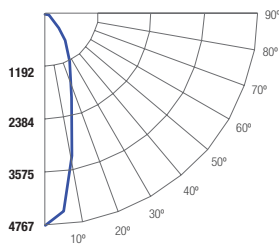
CRI: **90+**

EFFICACY: **61**

CCT: **30K-18K**

SPACING CRITERIA: **0.48**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	298	2.0 ft
8.0	74.5	4.0 ft
12.0	33.1	6.0 ft
16.0	18.6	8.0 ft
20.0	11.9	10.0 ft
24.0	8.28	12.0 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	614.27	29.40	29.30
0-30	1178.95	56.50	56.20
0-40	1687.62	80.80	80.40
0-60	2061.92	98.80	98.20
0-80	2097.24	100.50	99.90
0-90	2099.29	100.60	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	6172	4004	11691
55	1014	1023	1905
65	204	283	995
75	132	239	288
85	83	509	635

Lumens Per Zone

Zone	Lumens
0-10	170.45
10-20	443.82
20-30	564.69
30-40	508.67
40-50	282.79
50-60	91.50
60-70	28.86
70-80	6.47
80-90	2.05

Candela Tabulation

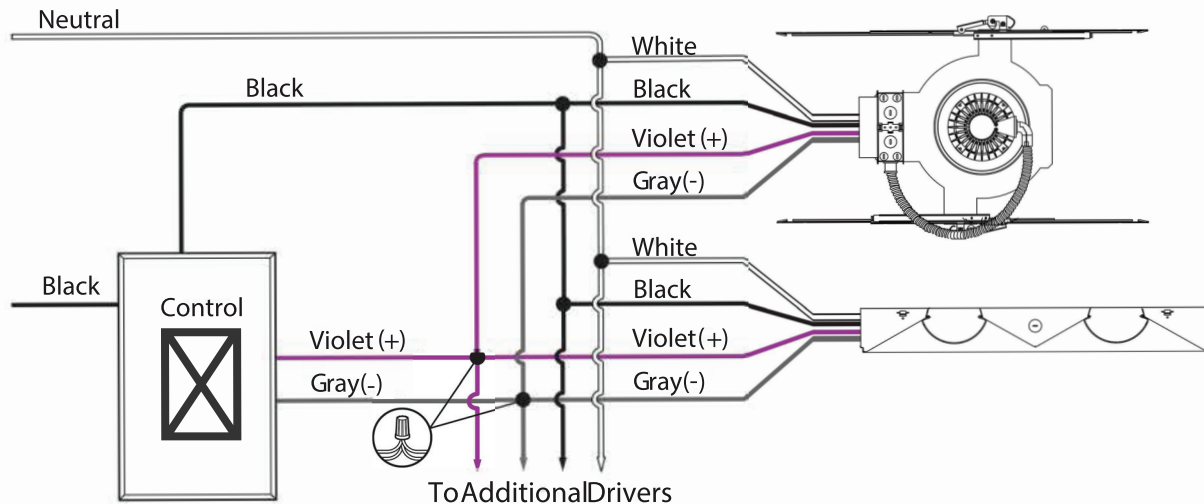
0	1	2	3	4	5	6	7	8	9
1853.35	1819.64	1587.78	1215.43	807.65	281.17	72.02	12.46	4.06	0.77
0.14	0.77	4.06	12.46	72.02	281.17	807.65	1215.43	1587.78	1819.64

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

RC	80%				70%				50%				30%				10%				0%			
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
ROOM CAVITY RATIO	0	121	121	121	121	118	118	118	118	113	113	113	108	108	108	104	104	104	102	102	102	102	102	102
1	116	113	110	108	108	113	111	108	106	106	105	103	103	101	100	99	98	97	95	95	95	95	95	95
2	110	105	101	98	98	108	104	100	97	100	97	95	97	95	93	94	93	91	91	91	91	91	91	91
3	105	98	94	90	90	103	97	93	89	94	91	88	92	89	86	90	87	85	85	85	85	85	85	85
4	100	92	87	83	83	98	91	86	82	89	85	81	87	83	80	85	82	79	78	78	78	78	78	78
5	95	87	81	77	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73	73	73	73	73	73
6	91	82	76	72	72	89	81	76	72	80	75	71	78	74	71	77	73	70	69	69	69	69	69	69
7	86	77	72	67	67	85	77	71	67	75	70	67	74	70	67	73	69	66	65	65	65	65	65	65
8	83	73	68	64	64	81	73	67	63	72	67	63	71	66	63	70	66	63	61	61	61	61	61	61
9	79	70	64	60	60	78	69	64	60	68	63	60	67	63	60	66	62	59	58	58	58	58	58	58
10	76	66	61	57	57	75	66	60	57	65	60	57	64	60	57	64	59	56	55	55	55	55	55	55

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

WDM-30K-18K





1- Luminaire will be shipped with Powerpacks pre-installed, ready to be integrated to designated control 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	EASYFIT by EnOcean	LUTRON	enlighted	LEVITON	OSRAM	PHILIPS EasySense	legrand®
CONTROL UNIT	<input type="checkbox"/> LEDRU LED Relay Zone Controller 0-10V ¹ <input type="checkbox"/> LEDDU LED Zone Controller 0-10V ¹	<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) ¹⁴	<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"/> EOSCU-W-EO Occupancy Sensor - Ceiling Mounted (Must be specified with LEDRU or LEDDU control unit) ³	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"/> ELLSU-W-EO Light Level Sensor - Ceiling Mounted (Must be specified with LEDRU or LEDDU control unit) ³	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	N/A	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
ACCESSORIES	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.