

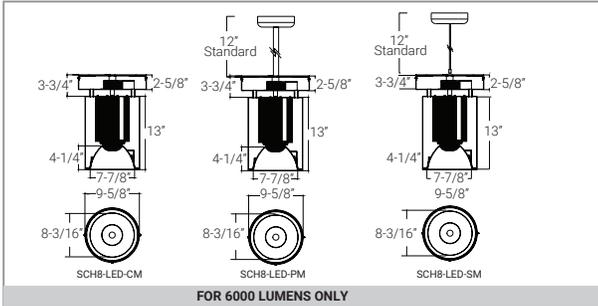
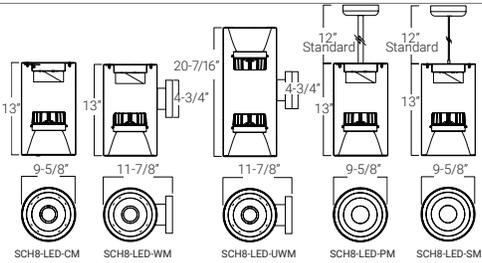


SCH8-LED-CM6000L ONLY

REFLECTOR/  
FLANGE COLORS



CUSTOM  
COLORS



FOR 6000 LUMENS ONLY

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
8000	7948	79 W
6000	6412	78 W
4000	4638	48 W
3000	3512	44 W
2000	2382	28 W
1500	1782	22 W
1200	1439	16 W
900	1091	12 W

NOMINAL LUMENS (HP)	DELIVERED LUMENS (HP)	WATTAGE (HP)
1200	1320	12W
2000	2051	18W
3000	3150	28W

**FEATURES**

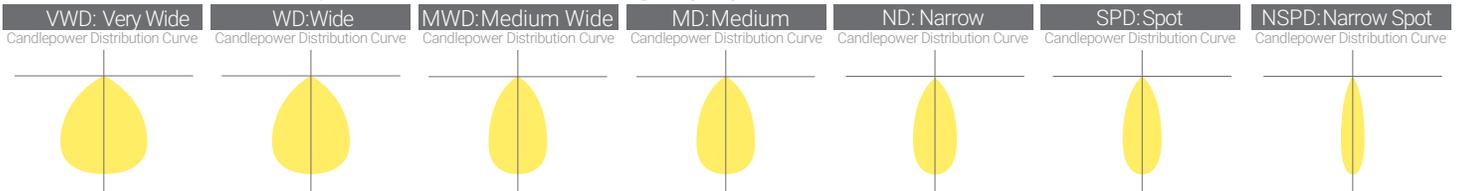
A highly sustainable and ultra-efficient architectural LED Cylinder that provides even, glare-free illumination. Available in a range of mountings, finishes, distributions, and lumen packages, it is ideally suited for use in corporate office space, hospitality, healthcare, commercial, academic, churches,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

**OPTICS AND REFLECTOR**

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.

<b>LUMENS</b>	900, 1200, 1500, 2000, 3000, 4000, 6000, 8000 (Custom lumen packages available)
<b>CCT &amp; DYNAMIC PLATFORMS</b>	27K, 30K, 35K, 40K, 50K, Tunable White, Dims to Warm, RGB + White
<b>CRI</b>	90+ Standard, 98+ Optional
<b>COLOR QUALITY</b>	2 Step MacAdam Ellipse
<b>DISTRIBUTIONS</b>	VWD, WD, MWD, MD, ND, SPD, NSPD
<b>MOUNTING OPTIONS</b>	CM (Ceiling Mount), WM (Wall Mount), UDM (Up & Down Wall Mount), PM (Pendant Mount), SM (Suspended Mount)
<b>BODY FINISHES</b>	WH (White), BK (Black), BZ (Bronze), SI (Silver), Custom RAL
<b>REFLECTOR COLORS</b>	CL (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), WT (Wheat), W (White), MB (Black)
<b>DIMMING</b>	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, LUTFTB, ELD010.1, ELD0DMX.1, ELD0DALI.1, DIMTR
<b>EMERGENCY</b>	10W - Up to 1000L Output 20W - Up to 2000L Output EMG-LED-G2-10W-SDT - Self Diagnostic (Consult Factory)
<b>LIFETIME</b>	L70 at 102,000 Hours
<b>PHOTOMETRIC TESTS</b>	In Accordance with IES LM79-08 and LM80, TM-30, TM-21

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



Reference IES files for additional distribution curve information.



**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**

Thermal management system are 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**

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.

**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 40 watts.

**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. Available on all luminaires up to 40 watts. **LUTFB** - Lutron PEQ0 Hi-Lume Premier Eco System. 0.1% dimming with Soft in Fade to Black dimming technology. Available on all luminaires up to 20 watts.

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

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

**ELDODMX** - EldoLED PowerDrive dimming down to 0.1%.

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

**LED DYNAMIC PLATFORM OPTIONS**

 Tunable White with Smart White Technology utilizing the Lumenetix Platform allows you to color tune 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. (Click here for more details)

 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. (Click here for more details)

 RGB+White with Smart Hue Technology provides full color mixing of RGB and white colors. Utilizing the Lumenetix Platform allows you to choose from unlimited RGB color options, via various controls. Ideal for Circadian Rhythm applications or to create the perfect human centric environment. (Click here for more details)

**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. Driver can be accessed from below the ceiling and above the ceiling.

**WARRANTY**

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

**LISTINGS**

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

Damp location listed.

Example: SCH8-LED-900L-DIM10-120-MD-30K-90

SERIES	LUMENS	DRIVER	VOLTAGE	OPTICS	CCT	CRI	BODY FINISHES	MOUNTING OPTIONS	EMERGENCY	TRIM TYPES	REFLECTOR/ FLANGE COLORS
SCH8-LED	<input type="checkbox"/> 900L <input type="checkbox"/> 1200L <input type="checkbox"/> 1500L <input type="checkbox"/> 2000L <input type="checkbox"/> 3000L <input type="checkbox"/> 4000L <input type="checkbox"/> 6000L <sup>8</sup>	<input type="checkbox"/> DIM10 <input type="checkbox"/> DIMTR <sup>1 6</sup> <input type="checkbox"/> LUTH <sup>2 6</sup> <input type="checkbox"/> LUTFB <sup>7</sup> <input type="checkbox"/> ELDO10-.1 <sup>2</sup> <input type="checkbox"/> ELDODALI-.1 <sup>2</sup> <input type="checkbox"/> ELDODMX-.1 <sup>2</sup>	<input type="checkbox"/> 120 <input type="checkbox"/> 277 <input type="checkbox"/> MVOLT <input type="checkbox"/> 347 <small>(DIM10 only)</small>	<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°	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K <input type="checkbox"/> 50K <sup>3</sup>	<input type="checkbox"/> 90+ <input type="checkbox"/> 98+ <sup>4</sup>	<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 <sup>5</sup> <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"/> PM72-72" <input type="checkbox"/> PM96-96" <input type="checkbox"/> SM-10" SUSPENDED MOUNT  <small>(Consult factory for other sizes)</small>	<input type="checkbox"/> EMG-LED-10W <input type="checkbox"/> EMG-LED-20W <input type="checkbox"/> EMG-LED-G2-10W-SDT*  <small>Typical lumen output of the luminaire is up to 1000L with EMG-LED-10W option &amp; 2000L with EMG-LED-20W option in emergency mode. Contact the factory for details.</small> <small>Remote mounted installation</small> <small>* Consult Factory for Self Diagnostic</small>	<input type="checkbox"/> HH8-8501 Flanged Downlight <input type="checkbox"/> HH8-8507 Flanged Single Wall Wash <input type="checkbox"/> HH8-8577 Flanged Double wall wash  <b>OPTIONS</b> <input type="checkbox"/> HP (High Performance) <sup>9</sup>	<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

<sup>1</sup> DIMTR are available in 120V only

<sup>2</sup> LUTH, ELDO10-.1, ELDODALI -.1, and ELDODMX-.1 are available in 120V and 277V

<sup>3</sup> 50K series are available with 85+ CRI only

<sup>4</sup> 98+ CRI is available in 27K, 30K and 40K only

<sup>5</sup> UWM-UP/DOWN Up to 4000L

<sup>6</sup> LUTH and LUT2W, DIMTR Available for luminaires up to 3000L

<sup>7</sup> LUTFB Available for luminaires up to 1500L

<sup>8</sup> 6000L available just for DOWN

<sup>9</sup> 3500K and 4000K based on 90 CRI

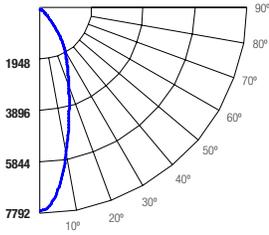
**SCH8-LED-4000L-DIM10-MVOLT-MD-40K-90-HH8-8501-CL-WH**

INPUT WATTS: **48.5** LUMENS: **4363** CRI: **90** EFFICACY: **90** CCT: **4000K**

TEST NO.: **EL1218148**

SPACING CRITERIA: **0.66**

**Candle Power Distribution (Candelas)**



Cone of Light		
4.0	27 fc	10.8 ft
8.0	6.74 fc	21.6 ft
12.0	3 fc	32.4 ft
16.0	1.69 fc	43.2 ft
20.0	1.08 fc	54 ft
24.0	0.75 fc	64.9 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	1858.94	N.A.	42.60
0-30	3045.77	N.A.	69.80
0-40	3931.59	N.A.	90.10
0-60	4338.31	N.A.	99.40
0-80	4360.45	N.A.	99.90
0-90	4363.05	N.A.	100.00

**Luminance (Average candela/M<sup>2</sup>)**

Angle in Degrees	Average		
	0°	45°	90°
45	10117	16331	24847
55	1983	3513	4050
65	705	800	2194
75	457	634	740
85	303	1208	1331

**Lumens Per Zone**

Zone	Lumens
0-10	631.11
10-20	1227.84
20-30	1186.83
30-40	885.82
40-50	346.15
50-60	60.57
60-70	16.85
70-80	5.30
80-90	2.60

**Candela Tabulation**

Q	0	5	15	25	35	45	55	65	75	85	90
0	7791.97										
5	7129.49										
15	4331.67										
25	2510.30										
35	1374.17										
45	227.60										
55	36.18										
65	9.48										
75	3.76										
85	0.84										
90	0.15										

**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%	0%		
0	119	119	119	119	119	116	116	116	116	111	111	111	111	111	106	106	106	106	102	102	102	100		
1	114	111	108	106	111	109	106	104	105	103	101	101	101	101	101	100	98	97	96	95	94	94		
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	95	93	91	93	91	89	87	87		
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	85	83	81	81	81		
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76	77	76	76	76		
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71	72	71	71	71		
6	88	80	74	69	87	79	73	69	77	72	69	76	72	68	75	71	68	66	66	66	66	66		
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62	62	61	61	61		
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59	59	59	59	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55	55		
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52	52	52	52	52		

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

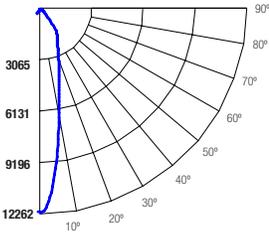
**SCH8-LED-4000L-DIM10-MVOLT-ND-40K-90-HH8-8501-CL-WH**

INPUT WATTS: **49.1** LUMENS: **4733** CRI: **90** EFFICACY: **96** CCT: **4000K**

TEST NO.: **EL1218150**

SPACING CRITERIA: **0.50**

**Candle Power Distribution (Candelas)**



Cone of Light		
4.0	42.4 fc	7 ft
8.0	10.6 fc	14 ft
12.0	4.71 fc	21 ft
16.0	2.65 fc	28 ft
20.0	1.7 fc	34.9 ft
24.0	1.18 fc	41.9 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	2146.83	N.A.	45.40
0-30	3352.59	N.A.	70.80
0-40	4332.2	N.A.	91.50
0-60	4707.73	N.A.	99.50
0-80	4729.85	N.A.	99.90
0-90	4732.63	N.A.	100.00

**Luminance (Average candela/M<sup>2</sup>)**

Angle in Degrees	Average		
	0°	45°	90°
45	6967	10815	26724
55	2116	2811	3813
65	759	870	2123
75	500	695	816
85	339	1331	1475

**Lumens Per Zone**

Zone	Lumens
0-10	837.03
10-20	1309.8
20-30	1205.76
30-40	979.61
40-50	322.34
50-60	53.19
60-70	16.44
70-80	5.68
80-90	2.78

**Candela Tabulation**

Q	0	5	15	25	35	45	55	65	75	85	90
0	12261.97										
5	10025.75										
15	4551.01										
25	2513.40										
35	1730.89										
45	156.73										
55	38.62										
65	10.21										
75	4.12										
85	0.94										
90	0.15										

**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%	0%		
0	119	119	119	119	119	116	116	116	116	111	111	111	111	111	106	106	106	106	102	102	102	100		
1	114	111	108	106	111	109	106	104	105	103	101	101	101	101	101	100	99	98	97	96	95	94		
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	95	93	91	93	91	89	88	88		
3	103	97	92	88	101	95	91	88	93	89	86	91	88	85	88	86	84	86	84	82	82	82		
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77	76	76	76	76		
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72	72	72	72	72		
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68	68	68	68	68		
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64	64	64	64	64		
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	61	61	61	61	61		
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57	57	57	57	57		
10	75	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	55	55	55	55	55		

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

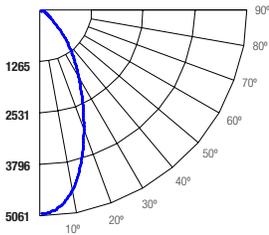
**SCH8-LED-4000L-DIM10-MVOLT-WD-40K-90-HH8-8501-CL-WH**

INPUT WATTS: **48.7** LUMENS: **3963** CRI: **90** EFFICACY: **81** CCT: **4000K**

TEST NO.: **EL1218147**

SPACING CRITERIA: **0.80**

**Candle Power Distribution (Candelas)**



Cone of Light		
4.0	17.5 fc	15.4 ft
8.0	4.38 fc	30.9 ft
12.0	1.95 fc	46.3 ft
16.0		

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 <sup>1</sup>  <input type="checkbox"/> LEDDU LED Zone Controller 0-10V <sup>1</sup>	<input type="checkbox"/> FCJS-010 Lutron Vive 0-10V Individual Pow Pak (Luminaire is shipped Vive Enabled) <sup>14</sup>  <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 <sup>15</sup>	<input type="checkbox"/> ZL027 –NOW Intellect Power Control Module <sup>16</sup>  <input type="checkbox"/> ZL027 –NOW Intellect Power Control Module <sup>16</sup>	<input type="checkbox"/> EN-WCM2-ZB-DR Wireless Control Module <sup>17</sup>  <input type="checkbox"/> EN- ALC-ZB-BK-DR Wireless Area Lighting Control Module <sup>17</sup>  <input type="checkbox"/> ZBHA-CLM-DIM-ENC Connected Lighting Module DIM <sup>17</sup>	<input type="checkbox"/> SBR -BS Xitanium SR Bridge <sup>18</sup>	<input type="checkbox"/> LMFC-011 ON/OFF/0-10V dimming fixture controller <sup>19</sup>
INTEGRAT SENSOR	N/A	N/A	N/A	N/A	N/A	N/A	N/A
*WIRELESS OCCUPANCY SENSOR	<input type="checkbox"/> EO SCU-W-EO Occupancy Sensor - Ceiling Mounted (Must be specified with LEDRU or LEDDU control unit) <sup>3</sup>	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> LMDC-100 Dual technology PIR Ceiling Mount Occupancy Sensor <sup>3</sup>
*WIRELESS DAYLIGHT SENSOR	<input type="checkbox"/> ELLSU-W-EO Light Level Sensor - Ceiling Mounted (Must be specified with LEDRU or LEDDU control unit) <sup>3</sup>	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> LMLS-400 Single zone switching and dimming digital photosensor <sup>3</sup>
*WIRELESS OCCUPANCY & DAYLIGHT SENSOR	N/A	N/A	<input type="checkbox"/> SU-5E-IoT IoT Node Micro Sensor <sup>3</sup> <input type="checkbox"/> SU-5E-CL Connected Lighting Micro Sensor <sup>3</sup> <input type="checkbox"/> SU-5E-IL Independent Lighting / Enlighted One Micro Sensor <sup>3</sup> <input type="checkbox"/> SU-5S-H-(IoT/CL/IL) Surface Mount Sensor <sup>3</sup>  (Must be specified with CU- 4E-FMH Control Unit)	<input type="checkbox"/> ZL00J -TOW Intellect Intelligent Fixture Control System <sup>3</sup>  (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 <sup>3</sup>  (Must be specified with EN-WCM2-ZB-DR or EN- ALC-ZB-BK-DR Control Unit)	<input type="checkbox"/> SNS200- CMP SNS200 for grouping <sup>3</sup>	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.