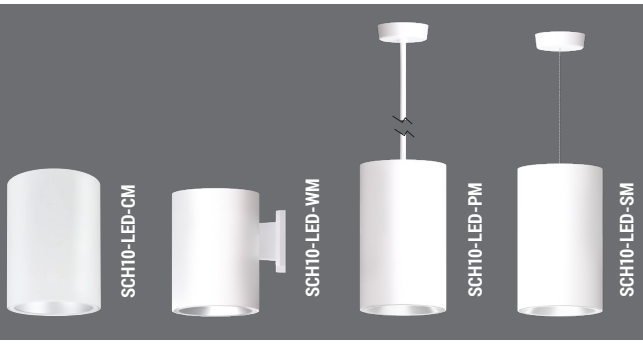
MAXILUME ARCHITECTURAL LIGHTING
By Elite Lighting

SCH10-LED
10" Architectural LED Cylinder

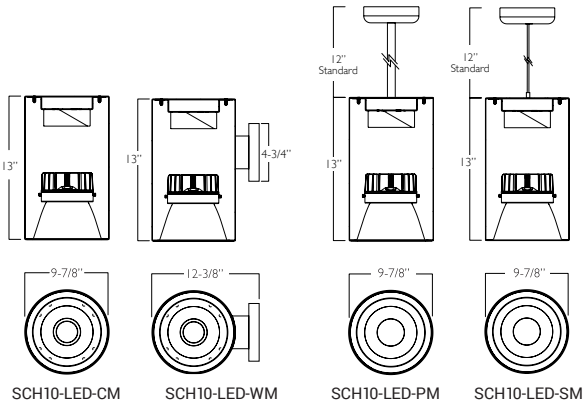
10"



REFLECTOR/ FLANGE COLORS

CUSTOM COLORS

STANDARD FINISHES



SCH10-LED-CM SCH10-LED-WM SCH10-LED-PM SCH10-LED-SM

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
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

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

FEATURES

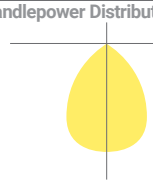
A highly sustainable and ultra-efficient architectural LED Cylinder that provides even, glare-free illumination. Available in a range of mountings, finishes, distributions, and lumen packages, it is ideally suited for use in corporate office space, hospitality, healthcare, commercial, academic, churches,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

OPTICS AND REFLECTOR

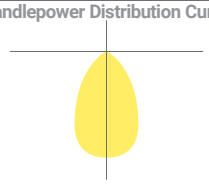
The reflector has a 45° visual cutoff, and is shipped standard with a Solite lens in a smooth frosted finish. Spun from 0.05" thick aluminum, with a 1-step anodized finish, available in different colors or custom RAL finishes, and various distribution options are available.

LUMENS	900, 1200, 1500, 2000, 3000, 4000, 6000 (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	WD (Wide Distribution), MD (Medium Distribution) and ND (Narrow Distribution)
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), 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, LUT2W, ELDO10.1, ELDODMX.1, ELDODALI.1, DIMTR
EMERGENCY	10W - Up to 1000L Output 20W - Up to 2000L Output EMG-LED-G2-10W-SDT - Self Diagnostic (Consult Factory)
LIFETIME	L70 at 102,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08 and LM80 , TM-30, TM-21

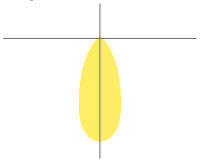
WD: Wide
Candlepower Distribution Curve



MD: Medium
Candlepower Distribution Curve



ND: Narrow
Candlepower Distribution Curve



Reference IES files for additional distribution curve information.

Due to the changes of constant improvement in LED technology, all details are subject to change without notice. Consult factory for up to date information.
08092021

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
Die-cast aluminum housing and 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. Junction box and driver can be accessed from below the ceiling and above the ceiling. Junction box is listed for through branch circuit wiring.

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

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

Example: **SCH10-LED-900L-DIM10-120-MD-30K-90-WH-CM-HH6-6501-CL-WH**

SERIES	LUMENS	DRIVER	VOLTAGE	OPTICS	CCT	CRI	BODY FINISHES	MOUNTING OPTIONS	EMERGENCY	TRIM TYPES	REFLECTOR/ FLANGE COLORS
SCH10-LED	❑ 900L ❑ 1200L ❑ 1500L ❑ 2000L ❑ 3000L ❑ 4000L ❑ 6000L	❑ DIM10 ❑ DIMTR [1] [6] ❑ LUTH [2] [6] ❑ LUT2W [1] [6] ❑ LUTFTB [7] ❑ ELDO10-.1 [2] ❑ ELDODALI-.1 [2] ❑ ELDODMX-.1 [2]	❑ 120 ❑ 277 ❑ MVOLT ❑ 347 (DIM10 only)	❑ WD (Wide) ❑ MD (Medium) ❑ ND (Narrow)	❑ 27K ❑ 30K ❑ 35K ❑ 40K ❑ 50K [3] (85+CRI only)	❑ 90+ ❑ 98+ [4]	❑ WH-WHITE ❑ BK-BLACK ❑ BZ-BRONZE ❑ SI-SILVER ❑ Custom Color	❑ CM-CEILING MOUNT ❑ WM-WALL MOUNT ❑ PM12-12" ❑ PM18-18" ❑ PM24-24" ❑ PM36-36" ❑ PM48-48" ❑ SM-10' SUSPENDED MOUNT (Consult factory for other sizes)	❑ EMG-LED-10W ❑ EMG-LED-20W ❑ EMG-LED-G2-10W-SDT* 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	❑ HH10-1501 Flanged Downlight ❑ HH10-1507 Flanged Single Wall Wash ❑ HH10-1577 Flanged Double wall wash	❑ CL-WH ❑ CL-SCH ❑ SHZ-WH ❑ SHZ-SHZ ❑ WT-WH ❑ W-WH ❑ MB-WH ❑ CL-BK ❑ MB-BK

[1] **LUT2W** and **DIMTR** are available in 120V only
[2] **LUTH, ELDO10-.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
[6] **LUTH** and **LUT2W**, **DIMTR** Available for luminaires up to 3000L
[7] **LUTFTB** Available for luminaires up to 1500L
6000L and 8000L available in **DIM10**
[8] 6000L and 8000L available just for **DOWN**

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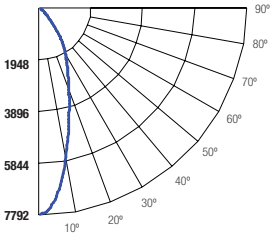
SCH10-LED-4000L-DIM10-MVOLT-MD-40K-90-HH10-1501-CL-WH

TEST NO.: **EL1218148**

INPUT WATTS: **48.5** LUMENS: **4363** CRI: **90** EFFICACY: **90** CCT: **4000K** 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	43.50	42.60
0-30	3045.77	71.20	69.80
0-40	3931.59	91.90	90.10
0-60	4338.31	101.50	99.40
0-80	4360.45	102.00	99.90
0-90	4363.05	102.00	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 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

	0
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%	0%
ROOM CAVITY RATIO 0	121	121	121	121	119	119	119	119	113	113	113	109	109	109	104	104	104	102
1	116	113	111	108	113	111	109	107	107	105	103	103	102	100	99	98	97	96
2	110	105	101	98	108	104	100	97	100	97	95	97	95	93	94	92	91	89
3	105	98	93	89	103	97	92	89	94	90	87	92	89	86	89	87	85	83
4	100	92	86	82	98	91	86	82	89	84	81	87	83	80	85	82	79	77
5	95	86	80	76	93	85	80	76	84	79	75	82	78	74	80	77	74	72
6	90	81	75	71	89	80	75	71	79	74	70	77	73	70	76	72	69	68
7	86	77	71	66	84	76	70	66	75	69	66	73	69	65	72	68	65	64
8	82	72	66	62	81	72	66	62	71	65	62	70	65	62	69	64	61	60
9	78	68	63	59	77	68	62	59	67	62	58	66	61	58	65	61	58	57
10	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	54

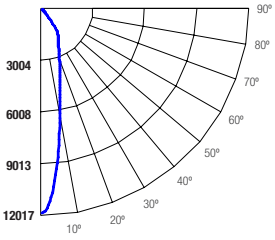
RC - Ceiling Cavity Reflectance *RW - Wall Reflectance*

SCH10-LED-4000L-DIM10-MVOLT-ND-40K-90-HH10-1501-CL-WH

TEST NO.: **EL1218150**

INPUT WATTS: **49.1** LUMENS: **4638** CRI: **90** EFFICACY: **94** CCT: **4000K** SPACING CRITERIA: **0.50**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	41.6 fc	7 ft
8.0	10.4 fc	14 ft
12.0	4.62 fc	21 ft
16.0	2.6 fc	28 ft
20.0	1.66 fc	34.9 ft
24.0	1.16 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	2103.89	N.A.	45.40
0-30	3285.54	N.A.	70.80
0-40	4245.56	N.A.	91.50
0-60	4613.57	N.A.	99.50
0-80	4635.24	N.A.	99.90
0-90	4637.98	N.A.	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	4317	6702	16560
55	1312	1742	2363
65	471	539	1316
75	310	431	506
85	210	825	914

Lumens Per Zone

Zone	Lumens
0-10	820.29
10-20	1283.6
20-30	1181.65
30-40	960.02
40-50	315.89
50-60	52.12
60-70	16.11
70-80	5.57
80-90	2.73

Candela Tabulation

	0
0	12016.731
5	9825.235
15	4459.990
25	2463.132
35	1696.272
45	153.595
55	37.848
65	10.006
75	4.038
85	0.921
90	0.147

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%	0%
ROOM CAVITY RATIO 0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	75	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	55

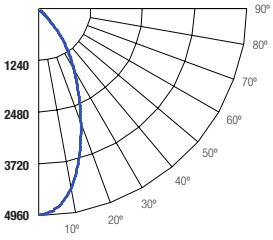
RC - Ceiling Cavity Reflectance *RW - Wall Reflectance*

SCH10-LED-4000L-DIM10-MVOLT-WD-40K-90-HH10-1501-CL-WH

TEST NO.: **EL1218147**

INPUT WATTS: **48.7** LUMENS: **3883** CRI: **90** EFFICACY: **80** CCT: **4000K** SPACING CRITERIA: **0.80**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	17.2 fc	15.4 ft
8.0	4.29 fc	30.9 ft
12.0	1.91 fc	46.3 ft
16.0	1.07 fc	61.7 ft
20.0	0.69 fc	77.1 ft
24.0	0.48 fc	92.6 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	1487.2	N.A.	38.30
0-30	2568.93	N.A.	66.20
0-40	3389.8	N.A.	87.30
0-60	3857.35	N.A.	99.30
0-80	3880.85	N.A.	99.90
0-90	3883.26	N.A.	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	11226	14672	14867
55	1195	3535	3343
65	433	500	1732
75	274	382	445
85	179	695	766

Lumens Per Zone

Zone	Lumens
0-10	446.58
10-20	1040.62
20-30	1081.73
30-40	820.87
40-50	393.37
50-60	74.18
60-70	18.43
70-80	5.09
80-90	2.40

Candela Tabulation

	0
0	4960.103
5	4819.993
15	3765.258
25	2324.021
35	1284.662
45	399.379
55	34.496
65	9.202
75	3.567
85	0.784
90	0.147

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%	0%
ROOM CAVITY RATIO 0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	108	103	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	78	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	66	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	62	69	64	61	60
8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56
9	75	65	59	55	73	64	58	54	63	58	54	62	58	54	61	57	54	53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49

RC - Ceiling Cavity Reflectance *RW - Wall Reflectance*

Due to the changes of constant improvement in LED technology, all details are subject to change without notice. Consult factory for up to date information.

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	EASYFIT by EnOcean	LUTRON	enlighted	LEVITON	OSRAM	PHILIPS EasySense	legrand®
CONTROL UNIT	❑ LEDRU LED Relay Zone Controller 0-10V [1] ❑ LEDDU LED Zone Controller 0-10V [1]	❑ FCJS-010 Lutron Vive 0-10V Individual Pow Pak (Luminare is shipped Vive Enabled) [14] ❑ FCJS-ECO Lutron Vive Eco-system Pow Pak (Luminare is shipped Vive Enabled) [14]	❑ CU-4E-FMH Fixture Mount Control Unit [15]	❑ ZL027 –N0W Intellect Power Control Module [16] ❑ ZL027 –N0W Intellect Power Control Module [16]	❑ EN-WCM2-ZB-DR Wireless Control Module[17] ❑ EN- ALC-ZB-BK-DR Wireless Area Lighting Control Module [17] ❑ ZBHA-CLM-DIM-ENC Connected Lighting Module DIM [17]	❑ SBR -BS Xitanium SR Bridge [18]	❑ 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	❑ 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	❑ LMDC-100 Dual technology PIR Ceiling Mount Occupancy Sensor [3]
*WIRELESS DAYLIGHT SENSOR	❑ 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	❑ LMLS-400 Single zone switching and dimming digital photosensor [3]
*WIRELESS OCCUPANCY & DAYLIGHT SENSOR	N/A	N/A	❑ SU-5E-IoT IoT Node Micro Sensor [3] ❑ SU-5E-CL Connected Lighting Micro Sensor [3] ❑ SU-5E-IL Independent Lighting / Enlighted One Micro Sensor [3] ❑ SU-5S-H-(IoT/CL/IL) Surface Mount Sensor [3] **(Must be specified with CU-4E-FMH Control Unit)**	❑ ZL00J -T0W Intellect Intelligent Fixture Control System [3] **(Must be specified with ZL027 –N0W Control Unit)**	❑ EN-CLM-PIR-DD-ZB SensiLUM™ Wireless Integrated Sensor ❑ 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)**	❑ SNS200-CMP SNS200 for grouping [3]	N/A
ACCESORIES	N/A	N/A	❑ TMC-SU-5E Tile Mount Carrier ❑ CBL-5E-CU4-30N 30 inch Sensor Cable for CU-4 and IoT ReadyTM drivers ❑ CBL-5E-CU4-7F 7 foot Sensor Cable for CU-4 and IoT ReadyTM drivers	N/A	N/A	N/A	N/A
NOTES	N/A	4- Luminaire will be compatible with Lutron LRF2-OCR2B-P-WH Ceiling mount360° 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 compatiable with DLM Room control system LMPB-100. DLM control system must be orderd through Legrand.

Due to the changes of constant improvement in LED technology, all details are subject to change without notice. Consult factory for up to date information.