

OPTICS & PERFORMANCE

Fabricated from 20-gauge aluminum, with mitered corners, and post-painted with 95% reflective premium paint. The optical system delivers high efficiency LED light that passes through a high quality acrylic lens for optimal distribution patterns, creating glare-free and even distributions, which includes Direct Downlight or Wall Wash with zero light leakage.

CONSTRUCTION

One-piece rigid aluminum extrusion, made of T6063-T5 aluminum, with cast aluminum end caps. A precision cut, smooth white extruded frosted lens with snap in design attaches firmly into the grooves of the body and can be easily removed for access to the driver and LED boards.

ACOUSTIC MATERIAL

Acoustic material is made from 100% polyethylene terephthalate (PET), with 50% post-consumer recycled material. PET is a moisture resistant green product with no added chemicals, binders, adhesives or dyes.

OPTICAL ASSEMBLY

Reflector is fabricated from 20-gauge aluminum, and post-painted finish with 95% reflective premium paint. Wall Wash reflectors are positioned at an angle.

DISTRIBUTION PATTERNS & DIFFUSER

Standard Distribution - A high-quality, smooth white frosted efficient acrylic lens is shipped standard for optimal distribution patterns, for most applications, and provides glare-free, even illumination.

SUPPORT CABLE / FEED

Standard suspension is conductive feed/suspension cable. The adjustable power cable comes in a standard 10' length. A 5-conductor cable is standard or a 6-conductor cable for emergency power. Field adjustable length. Max. support every 8 feet. For longer cable, please consult factory.

CRM INSTALLATION

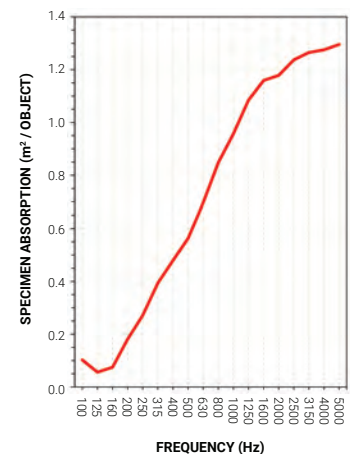
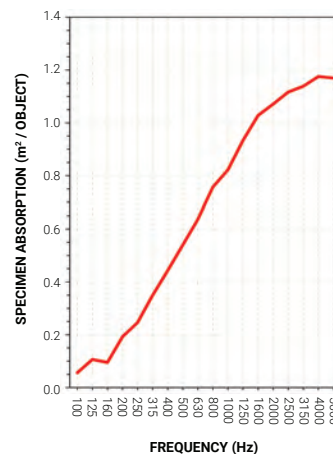
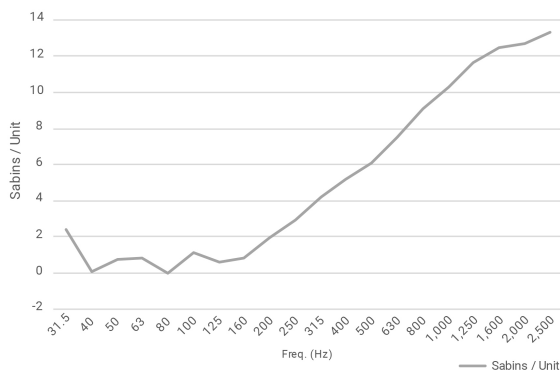
For continuous row mounting, the first luminaire in the row will always be the power supply feed. After plugging in the male and female harnesses, which are supplied with each luminaire, they will easily slide together, then secured with two screws from opposite directions in the connecting brackets.

DRIVER ELECTRICAL INFORMATION

Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120-277V input, produce less than 20% THD, and have a power factor of .90 to 1.00. Male and female 18-gauge 6 wire plug connectors are included with every luminaire to allow for simple hassle-free continuous wiring, and each luminaire must be installed male to female.

SOUND ABSORPTION RESULTS (from left to right)

- A** - acoustic performance
Felt Fixtures, alternating with / without light fixtures (8 units total)
- B** - spaced 12" on center
- C** - spaced 18" on center



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.



Dims to Warm with Smart Dimming Technology. At 100% full brightness the luminaire is at 3500K. 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. 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.

DIMMING & DRIVER INFORMATION

DIM10 - Flicker Free 1% Dimming Standard (DIM10) 0-10V dimming on either MVOLT 120, 277 or 347V.

LUT2W - Lutron LTEA2W Hi-Lume 1%. 2-wire LED Driver Forward Phase Control, 1% dimming in 120V only.

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%.

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.

DIMST - Step Dimming

WARRANTY

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

LISTINGS

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

All LED luminaires are rated and tested to LM-79 and LM-80 standards by an independent laboratory.

UL Listed for Damp location

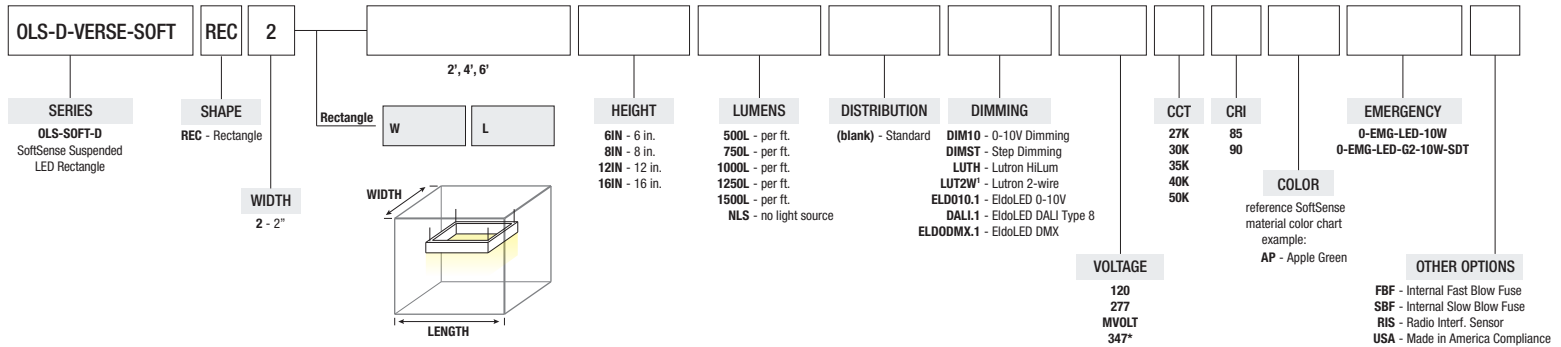
MAINTENANCE

Acoustic material can be cleaned with a clean, soft, lint-free cloth or a vacuum.

OPTIONS

Available without light source.

Example: **OLS-D-VERSE-SOFT-REC-2-44-12IN-500L-DIM10-MVOLT-35K-85-AP**

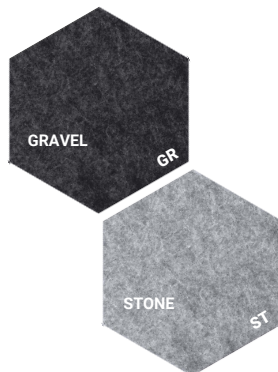


¹ LUT2W available in 120V

* Consult Factory

* See last page for sensor options

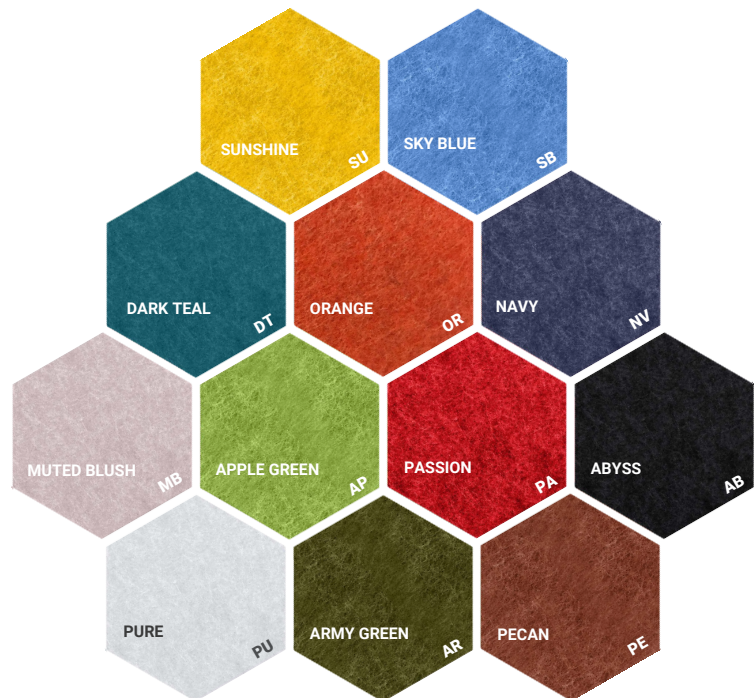
QUICK SHIP COLORS



CUSTOM COLORS

Please consult factory for lead time and pricing.

STANDARD COLORS



OLS-D-STANZA-SOFT-2-S-4-D750L-DIM10-MVOLT-40K-85

INPUT WATTS: **27**

LUMENS: **3042**

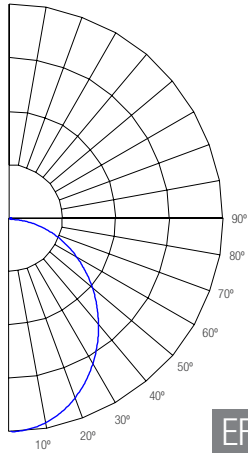
CRI: **85**

EFFICACY: **113**

CCT: **4000K**

TEST NO.: **EL081811**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Fixt
0-30°	867.19	28.50
0-40°	1394.29	45.80
0-60°	2382.03	78.30
0-90°	3010.49	98.90
0-180°	3042.13	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	15844	14976	14258
55°	14896	13902	13092
65°	13973	12937	12131
75°	12587	11689	11017
85°	11742	11027	10542

Candela Tabulation

	0	45	90
0	1157.13	1157.13	1157.13
5	1148.97	1147.74	1147.74
15	1096.82	1086.31	1078.26
25	998.43	975.07	955.13
35	864.91	830.35	801.53
45	708.41	669.61	637.50
55	540.28	504.22	474.84
65	373.41	345.71	324.17
75	206.00	191.31	180.31
85	64.71	60.77	58.10
90	8.26	9.26	9.92

Spacing Criteria

0-18	: 1.22
90-2	: 1.16
Diagonal	: 1.3

EFFICACY: 113 LM/W

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 20% = PF

ROOM CAVITY RATIO	RC	80%			70%			50%			30%			10%			0%	
	RW	70%	50%	30%	70%	50%	30%	50%	3	10%	50%	3	10%	50%	3	10%	0%	
	0	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	99
	1	108	104	95	106	101	94	94	97	94	9	93	9	88	89	89	87	
	2	99	9	78	96	88	8	77	85	79	7	81	7	73	78	78	75	
	3	90	8	65	87	78	7	64	75	68	6	72	6	62	69	69	64	
	4	83	7	55	80	69	6	55	67	59	5	64	5	53	62	62	57	
	5	76	6	48	74	62	5	47	60	52	4	58	5	46	56	56	50	
	6	70	5	42	68	56	4	42	54	47	4	52	4	44	51	51	45	
	7	65	5	37	63	51	4	37	49	42	3	48	4	36	46	46	40	
	8	61	4	33	59	47	3	33	45	38	3	44	3	32	43	43	37	
9	57	4	30	55	43	3	30	42	35	3	40	3	29	39	39	33		
10	53	4	27	52	40	3	27	39	32	2	38	3	27	37	37	31		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

OLS-D-STANZA-SOFT-2-S-4-D1000L-DIM10-MVOLT-40K-85

INPUT WATTS: **38.1**

LUMENS: **4163**

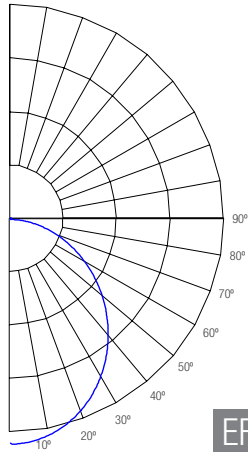
CRI: **85**

EFFICACY: **109**

CCT: **4000K**

TEST NO.: **EL081815**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Fixt
0-30°	1189.77	28.60
0-40°	1908.1	45.80
0-60°	3259.33	78.30
0-90°	4119.56	99.00
0-180°	4163.00	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	21822	20557	19573
55°	20499	19063	17990
65°	18997	17519	16455
75°	17290	16014	15136
85°	16095	15093	14563

Candela Tabulation

	0	45	90
0	1588.334	1588.334	1588.334
5	1584.100	1578.230	1576.730
15	1511.610	1492.910	1480.760
25	1375.910	1339.440	1311.160
35	1191.740	1139.840	1100.770
45	975.700	919.140	875.140
55	743.480	691.410	652.480
65	507.670	468.160	439.740
75	282.960	262.080	247.720
85	88.700	83.180	80.260
90	10.850	12.490	14.070

Spacing Criteria

0-18	: 1.22
90-2	: 1.16
Diagonal	: 1.3

EFFICACY: 109 LM/W

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 20% = PF

ROOM CAVITY RATIO	RC	80%				70%			50%		30%		10%		0%				
	RW	70%	50%	30%	70%	50%	30%	50%	3%	10%	50%	3%	10%	0%	0%				
	0	119	119	119	119	116	116	116	116	111	111	111	106	106	1	101	1	101	99
	1	108	104	95	106	101	94	97	94	97	94	97	93	91	68	68	87	75	
	2	99	9	78	96	88	8	77	85	73	78	71	63	73	78	78	75		
	3	90	8	65	88	78	7	64	75	68	6	62	62	62	62	69	65		
	4	83	7	55	80	69	6	55	67	60	5	64	5	53	62	57	50		
	5	76	6	48	74	62	5	47	60	52	4	58	5	46	56	52	50		
	6	70	5	42	68	56	4	42	54	47	4	52	4	41	51	45	45		
	7	65	5	37	63	51	4	37	49	42	3	48	3	36	46	40	40		
8	61	4	33	59	47	3	33	45	38	3	44	3	32	43	37	37			
9	57	4	30	55	43	3	30	42	35	3	41	3	29	39	33	33			
10	53	4	27	52	40	3	27	39	32	2	38	3	27	37	31	31			

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

OLS-D-STANZA-SOFT-2-S-4-D1000L-WW-DIM10-MVOLT-40K-85

INPUT WATTS: **38.1**

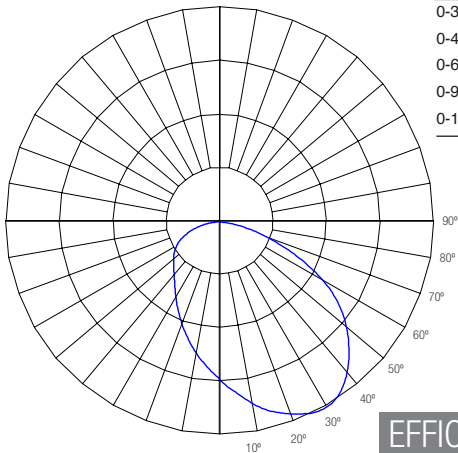
LUMENS: **4134**

CRI: **85**

EFFICACY: **109**

CCT: **4000K**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Fixt
0-30°	1037.92	25.10
0-40°	1736.47	42.00
0-60°	3169.87	76.70
0-90°	4083.58	98.80
0-180°	4134.47	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	18869	32824	33644
55°	17376	32795	33323
65°	15137	31570	28666
75°	12400	27097	19678
85°	7984	20382	13293

Candela Tabulation

	0	45	90
0	1280.719	1280.719	1280.719
5	1284.620	1357.100	1386.590
15	1242.170	1491.500	1597.080
25	1153.210	1564.260	1726.410
35	1019.980	1583.000	1714.380
45	843.700	1467.650	1504.310
55	630.210	1189.440	1208.590
65	404.510	843.650	766.060
75	202.940	443.470	322.050
85	44.000	112.330	73.260
90	4.070	21.980	17.600

Spacing Criteria

0-18	: 1.28
90-2	: 1.82
Diagonal	: 1.5

EFFICACY: 109 LM/W

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 20% = PF

ROOM CAVITY RATIO	RC	80%				70%				50%		30%		10%		0%	
	RW	70%	50%	30%	70%	50%	30%	50%	30%	10%	50%	30%	10%	0%	0%		
	0	119	119	119	116	116	116	110	110	110	105	105	105	101	101	99	
	1	108	103	95	105	101	93	96	93	9	92	9	87	88	86		
	2	98	9	77	95	88	7	76	84	78	7	72	77	73	73		
	3	89	7	63	87	77	6	63	77	6	71	69	68	63	63		
	4	81	6	53	79	68	5	53	65	58	5	53	5	51	60	55	
	5	75	6	46	72	60	5	45	58	50	4	46	4	44	54	48	
	6	69	5	40	67	54	4	39	52	45	3	40	4	38	49	43	
	7	64	5	35	62	49	4	35	47	40	3	36	3	34	44	38	
8	59	4	31	58	45	3	31	43	36	3	32	3	30	41	35		
9	55	4	28	54	41	3	28	40	32	2	39	3	27	37	31		
10	52	3	25	50	38	3	25	37	30	2	36	2	25	35	29		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

1 Luminaire will be shipped with Powerpacks preinstalled, ready to be integrated to designated contol systems

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	☐ FCJS-0-10 Lutron Vive 0-10V Individual Control Models ^{1 4}	☐ CU-4E-FMH Fixture Mount Control Unit ^{1 5}	☐ ZL027 -NOW Intellect Power Control Module ^{1 6}	☐ EN-WCM2-ZB-DR Wireless Control Module ^{1 7}	☐ XITANIUM SR LED DRIVER The Philips Advance Xitanium SR LED driver ^{1 8}	☐ LMFC-011 ON/ OFF/0-10V dimming fixture controller ^{1 9}
	☐ LEDDU LED Zone Controller 0-10V ¹	☐ FCJS-ECO Lutron Vive Eco-system Individual Control Models ^{1 4}		☐ ZL027 -DLE Intellect Power Control Module ^{1 6}	☐ EN- ALC-ZB-BK-DR Wireless Area Lighting Control Module ^{1 7}		☐ FS-PP-V2 FS-PP Fixture Integrated Sensor Power Pack ^{1 9}
INTEGRATED OCCUPANCY& DAYLIGHT SENSOR	N/A	☐ DFCSJ-OEM-OCC Clear Connect (RF) and Occupancy/ Daylight Sensing ²	☐ SU-5E-IoT IoT Node Micro Sensor ☐ SU-5E-CL Connected Micro Sensor ☐ SU-5E-IL Indipendent Micro Sensor ☐ SU-5S-H(IoT/CL/IL) Serface Mount Sensor (Must be Specified with CU- 4E-FMH Control Unit) ²	☐ ZL00J -TOW Intellect Intelligent Fixture Control System ²	☐ EN-CLM-PIR-DD-ZB SensiLUM™ Wireless Integrated Sensor	☐ SNS200 SNS200 for grouping ²	☐ FD-301 Fixture integrated Daylight Dimming Sensor ²
			N/A	☐ ZL00J-DOW Intellect Intelligent Fixture Control System ²	☐ ZBHA- CLM-DIM-ENC Connected Lighting Module DIM ²	☐ SNS300 SNS300 for networks ²	☐ FS-205 Fixture integrated passive infrared occupancy sensor ²
*WIRELESS OCCUPANCY SENSOR	☐ EOSCU-W-E0 Occupancy Sensor - Ceiling Mounted ³	☐ LRF2-OCR2B-P-WH Ceiling mount360° ,occupancy/vacancy sensor ³	N/A	N/A	☐ EN-SCPPH- 1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors ³	N/A	☐ LMDC-100 Dual technology PIR Ceiling Mount Occupancy Sensor ³
*WIRELESS DAYLIGHT SENSOR	☐ ELLSU-W-E0 Light Level Sensor - Ceiling Mounted ³	☐ LRF2-DCRB-WH Ceiling-mount daylight sensor ³	N/A	N/A	☐ EN-SCPPH- 1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors ³	N/A	☐ LMDS-400 Single zone switching and dimming digital photosensor ³
*WIRELESS OCCUPANCY & DAYLIGHT SENSOR	N/A	N/A	☐ SU-5E-IoT IoT Node Micro Sensor ☐ SU-5E-CL Connected Micro Sensor ☐ SU-5E-IL Indipendent Micro Sensor ☐ SU-5S-H(IoT/CL/IL) Serface Mount Sensor (Must be specified with CU- 4E-FMH Control Unit) ³	☐ ZL00J -TOW Intellect Intelligent Fixture Control System ☐ ZL00J-DOW Intellect Intelligent Fixture Control System (Must be specified with ZL027-NOW and ZL00J- DOW Control unit) ³	☐ EN-CLM- PIR-DD-ZB SensiLUM™ Wireless Integrated Sensor ☐ ZBHA- CLM-DIM-ENC Connected Lighting Module DIM (Must be specified with EN-WCM2-ZB-DR or EN- ALC-ZB-BK-DR Control Unit) ³	☐ SNS200-CMP SNS-200 for Grouping ³	N/A
ACCESSORIES	N/A	N/A	☐ TMC-SU-5E Tile Mount Carrier ☐ CBL-5E-CU4-30N 30 inch Sensor cable for CU-4 and IoT Ready ☐ CBL-5E-CU4-7F 7 Foot sensor cable for CU-4 and IoT Ready Driver	N/A	N/A	N/A	N/A
NOTES	N/A	4- Luminaire will be compatible with LUTRON LRF2-OCR2B-PWH Ceiling mount 360deg occupancy/ vacancy sensor & LRF2- DCRB-WH ceiling mount daylight sensor. Sensors must be orderd through Lutron	5- Luminaire will be compatible with ENLIGHTED SU-5E-IoT, SU-5E-CL, SU- 5E-IL, SU-5SH, Sensors	6- Luminaire will be compatible with LEVITON I ntellect APP & Keypad room controller	7- Luminaire will be compatible with EN-SCPPH-1500-ZB Wireless passive infrared occupancy and photo sensor	8- Luminaire will be compatible with philips field and wireless switch	9- Luminaire will be compatiable with DLM Room control system LMPB-100. . Sensors must be orderd through Legrand.