

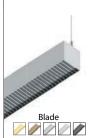
2" PROFILE

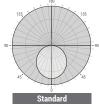
4" PROFILE







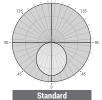




FEATURES

FLEX Architectural LED Suspended Linear is designed for combining the ultimate in flexibility and creativity, with continuous, uniform and glare-free illumination. Fully illuminated corners for a seamless connection from luminaire to luminaire, in a variety of formed angles and shapes. Be inspired to create a long-lasting imperssion with a unique design that compliments corporate offices educational, commercial and retail spaces.

LUMENS PER FOOT	500, 750, 1000, 1250, 1500, 2000 or Custom			
CCT & DYNAMIC PLATFORMS	27K, 30K, 35K, 40K, 50K, Tunable White, Dims to Warm, RGB + White			
CRI	85+ Standard, 90+			
COLOR QUALITY	3 Step MacAdam Ellipses (+85), 2 Step MacAdam Ellipses (+90)			
WIDTHS	2", 4"			
LENGTHS	2', 4', 6', 8', Continuous with 1" Increments			
DISTRIBUTION PATTERNS	Standard, Wall Wash, Blade Louver, Hexagonal Louver, Cross Hatched Louver, Ellipse Louver			
CONFIGURATION PATTERNS & LENGTHS	Single, Continous, Square, Rectangular, L-Shape, Custom with 90, 60, or 45 $^{\circ}$ Angles			
MOUNTING	Suspended			
FINISH	WH (White), BK (Black), SI (Silver), Custom RAL			
DIMMING & CONTROLS	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, ELD010.1-LIN, ELD0DMX.1, DALI.1, DIMTR, DIM10-0-Off POE, ELD010-LOG,BLE, XSR, DIM10-AUX			
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>200,000-hour calculated lifetime			
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21			























4"

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 a glare-free and even distribution. Distributions include D irect Downlight, Wall Wash, Blade Louver, Ellipse Louver, Cross Hatched Louver, Hexagonal Louver, 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.

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 patter ns, for most applications, and provides glare-free, even illumination.

Wall Wash Distribution-Illuminates from the ceiling, down, for uniform vertical illumination.

SUPPORT CABLE/FEED

Standard suspension is conductive feed/suspension cable. The adjustable power cable comes in a standard 4' length. A 5-conductor cable is standard or a 6-conductor cable for emergency power. Field adjustable length. Max. support every 8 feet.

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 hasslefree continuous wiring, and each lumianire must be installed male to female.

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 3500K. 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)

DIMMING & DRIVER INFORMATION

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

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

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%.

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

DIMTR - Triac & Electronic low voltage dimming. Available in 120V.

DIM10-0-OFF - Program DIM10-to OFF with linear dimming curve0.1%.

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.

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

XSR - Xitanium SR Dimming

DIM10-AUX -0-10V with Auxiliry power

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.

UI Listed for Damp location

cULus- Listed for protected damp locations, indoor use only.

FCC 15- EMI/RFI emissions per FCC 47CFR part 15 at 120VAC or 277VAC

RoHs- Contains no mercury or lead and RoHS compliant

Photometric testing completed in accordance with IES LM-79 and TM-30 standards with calculated Life Time: L70 at 200,000 Hours

Can be used for State of California Title 24 high efficacy LED compliance

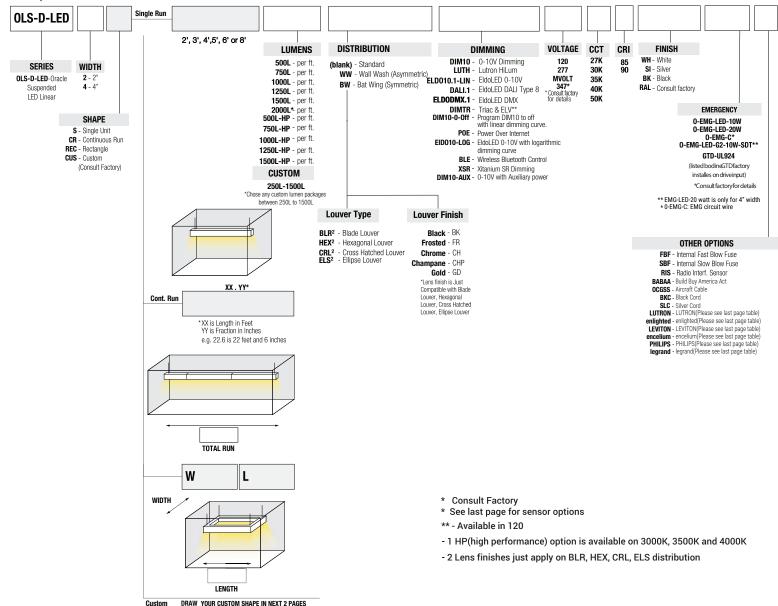
DLC®- certified, Listed for DLC, California Title 24 compliant.

BAA- Buy American Act Compliant government procurement requirements under FAR, DFARS and DOT regulations.





Example: OLSL-ED-2-REC-W8-L 6-500L-HEX-GD-DIM10-MVOLT-35K-85-WH



Lumen Packages

Direct Standard

LUMENS/FT	WATTS/FT
2000	14.1
1500	10.3
1250	8.5
1000	7.3
750	5.5
500	3.5

Direct High Lumen

 LUMENS/FT
 WATTS/FT

 2000
 17.5

 1500
 12.7

 1250
 10.5

 1000
 8.2

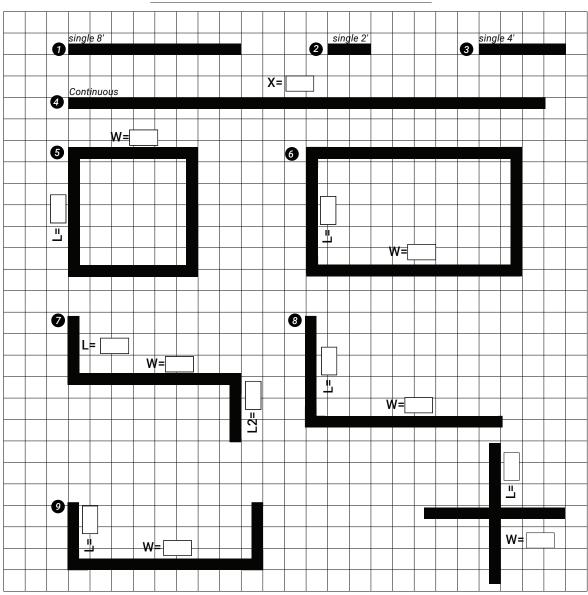
 750
 6.5

 500
 4.5





Flex Recessed Mount configuration



RUN CHART

Run length (ft)	Section Lengths				
9	5 + 4				
10	6 + 4				
11	7 + 4				
12	8 + 4				
13	8 + 5				
14	8 + 6				
15	8 + 7				
16	8 + 8				
17	8 + 5 + 4				
18	8 + 6 + 4				
19	8 + 7 + 4				
20	8 + 8 + 4				

Run length (ft)	Section Lengths
21	8 + 8 + 5
22	8 + 8 + 6
23	8 + 8 + 7
24	8 + 8 + 8
25	8 + 8 + 5 + 4
26	8 + 8 + 6 + 4
27	8 + 8 + 7 + 4
28	8 + 8 + 8 + 4
29	8+8+8+5
30	8+8+8+6
31	8 + 8 + 8 + 7
32	8+8+8+8

Run length (ft)	Section Lengths
33	8+8+8+5+4
34	8+8+8+6+4
35	8+8+8+7+4
36	8+8+8+8+4
37	8+8+8+8+5
38	8+8+8+8+6
39	8+8+8+8+7
40	8+8+8+8+8
418	+8+8+8+5+4
428	+8+8+8+6+4
43	8+8+8+8+7+4
44	8+8+8+8+8+4

Run length (ft)	Section Lengths
458	+8+8+8+8+5
468	+8+8+8+6
47	8+8+8+8+8+7
488	+8+8+8+8+8

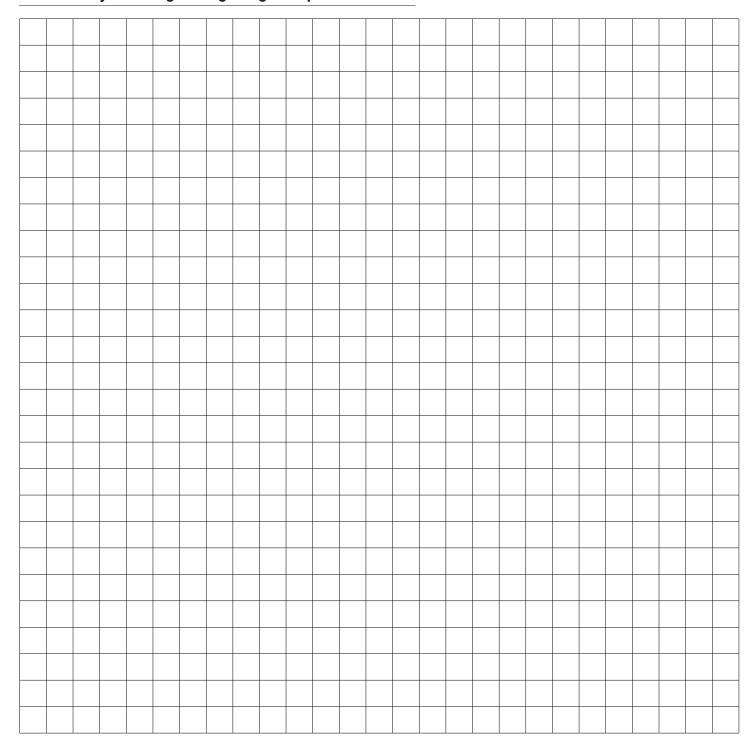








Sketch out your design using the grids space below.







Ellipse Louver

















Cross Hatched Louver







Champagne Chrome

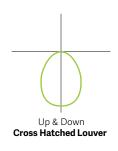




Frosted







Hexagonal Louver









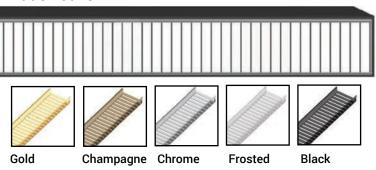








Blade Louver











TEST NO.: **EL081811** OLS-D-LED-2-S-4-D750L-DIM10-MVOLT-40K-85 INPUT WATTS: 27 LUMENS: **3042** CRI: **85** EFFICACY: 113 CCT: 4000K Candle Power Distribution (Candelas) **Zonal Lumens Summary** Luminance Data (cd/sq.m) Candela Tabulation Zone Lumens %Lamp %Fixt Angle In Average 90 Average Average 45 0-30 867.19 28.50 28.50 Degrees 0° 900 1157.13 1147.74 1148.97 0-40° 1394.29 45.80 45.80 450 14258 15844 14976

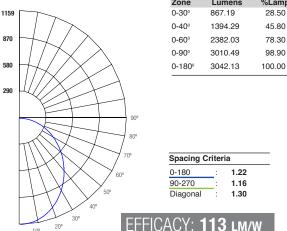
78.30

99.00

100.00

78.30

98.90



14896 13902 13092 55° 65° 13973 12937 12131 750 12587 11689 11017 850 11742 11027 10542

1157.13 1147.74 15 25 35 1096.82 1086.31 1078.26 998 43 975.07 955 13 830.35 801.53 864.91 45 55 708.41 669.61 637.50 540.28 504.22 474.84 373.41 345.71 324.17 75 85 206.00 191.31 180.31 64.71 60.77 58.10 90 9.92

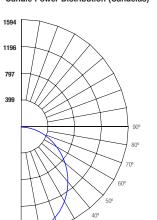
Coefficients of Utilization - Zonal Cavity Method Effective Floor Cavity Reflectance 20% = PF

	RC		80)%			70	0%			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 1 2 3 4 5 6 7 8 9	119 108 99 90 83 76 70 65 61 57	119 104 90 80 71 63 57 52 47 44	119 99 84 71 62 54 48 43 39 35 32	119 95 78 65 55 48 42 37 33 30 27	116 106 96 87 80 74 68 63 59 55	116 101 88 78 69 62 56 51 47 43 40	116 97 82 70 61 54 48 43 39 35 32	116 94 77 64 55 47 42 37 33 30 27	110 97 85 75 67 60 54 49 45 42 39	110 94 79 68 59 52 47 42 38 35 32	110 91 75 63 54 47 41 36 33 30 27	106 93 81 72 64 58 52 48 44 40 38	106 90 77 66 58 51 46 41 37 34 31	106 88 73 62 53 46 41 36 32 29	101 89 78 69 62 56 51 46 43 39 37	101 87 74 65 57 50 45 40 37 33 31	101 85 71 61 52 46 40 36 32 29 27	99 83 69 58 50 43 38 34 30 27 25

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

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

INPUT WATTS: 38.1 CRI: **85** EFFICACY: 109 CCT: 4000K LUMENS: 4163 Candle Power Distribution (Candelas)



Zonal Lumens Summary									
Zone	Lumens	%Lamp	%Fixt						
0-30°	1189.77	28.60	28.60						
0-40⁰	1908.1	45.80	45.80						
0-60⁰	3259.33	78.30	78.30						
0-90⁰	4119.56	99.00	99.00						
0-180°	4163.00	100.00	100.00						

	Average	Average	Average
Degrees	O°	45⁰	90°
45°	21822	20557	19573
55⁰	20499	19063	17990
65⁰	18997	17519	16455
75⁰	17290	16014	15136
85⁰	16095	15093	14563

Candela	Tabulation		
	0	<u>45</u>	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

TEST NO.: **EL081815**

Spacing Criteria 0-180 90-270 1.16 Diagonal 1.30

EFFICACY: 109 LM/W

Spacing Criteria 0-180

90-270

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

	RC		80	0%			70	0%			50%			30%			10%		0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
	1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
9	2	99	90	84	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69
RATIO	3	90	80	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	58
~	4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
≥	5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	43
5	6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38
CAVIT	7	65	52	43	37	63	51	43	37	49	42	37	48	41	36	46	40	36	34
	8	61	47	39	33	59	47	39	33	45	38	33	44	37	32	43	37	32	30
ROOM	9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	39	33	29	27
8	10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25
	RC - Ceiling Cavity Reflectance RW - Wall Reflectance																		

OLS-D-LED-2-WW-1000L-DIM10-MVOLT-40K-85

INPUT WATTS: 38.1 CRI: **85** EFFICACY: 109 CCT: 4000K LUMENS: 4134

Can	dle Powei	Distribution	(Candelas)
1750			

1750	
1312	
875	
437	
	900
	800
	80° 70°
	70°
	70°

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

Angle In Degrees		Average 45°	Average 90°		
45°	18869	32824	33644		
55⁰	17376	32795	33323		
65⁰	15137	31570	28666		
75⁰	12400	27097	19678		
85⁰	7984	20382	13293		

Candela	Tabulation		
	Q	<u>45</u>	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

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

	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99
	1	108	103	99	95	105	101	97	93	96	93	90	92	90	87	88	86	84	82
9	2	98	90	83	77	95	88	81	76	84	78	74	80	76	72	77	73	70	68
RATI	3	89	78	70	63	87	77	69	63	73	67	61	71	65	60	68	63	59	57
2	4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	60	55	50	48
7	5	75	62	52	46	72	60	52	45	58	50	45	56	49	44	54	48	43	41
CAVIT	6	69	55	46	40	67	54	46	39	52	45	39	50	44	38	49	43	38	36
3	7	64	50	41	35	62	49	41	35	47	40	34	46	39	34	44	38	34	32
Σ	8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
ROOM	9	55	42	33	28	54	41	33	28	40	32	27	39	32	27	37	31	27	25
~	10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23
	RC -	Ceiling (Cavity F	Reflecta	nce	R۱	V - Wal	Reflec	tance										

1.28 1.82



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**

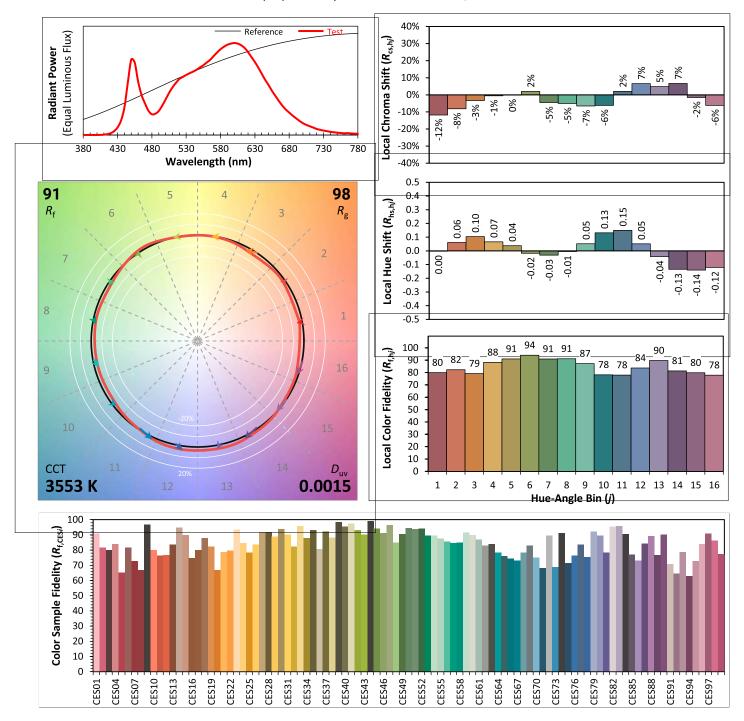
y **0.3935**

u ' **0.2337**

v' **0.5122**

CIE 13.3-1995 (CRI) R_a 91 R₉ 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 Sensorsinstalled 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 cont rol systems

BRAND	\$LUTRON	enlighted	LEVITON	EUCELIUM	PHILIPS EasySense	La legrand ®	LIGHTING CONTROLS
CONTROL UNIT	□ FCJS-010 Lutron Vive 0-10V Individual Pow Pak (Luminare is shipped Vive Enabled) ¹⁴ □ FCJS-EC0 Lutron Vive Eco-system Pow Pak (Luminare is shipped Vive Enabled)	CU-4E-FMH Fixture Mount Control Unit 15	□ ZL027 –NOW Intellect Power Control Module 16	□ EN-WCM2-ZB-DR Wireless Control Module ¹⁷	☐ XITANIUM SR LED DRIVER The Philips Advance Xitanium SR LED driver ¹⁸	□ LMFC-011 ON/ OFF/0-10V dimming fixture controller ¹⁹ □ FS-PP-V2 FS-PP Fixture Integrated Sensor Power Pack ¹⁹	NXFM-1R2D-0-UNV NX Fixture Module, Offset, 1 Relay, 2 0-10V Dimming Channels, 120-347VAC, Blue
	□ A-WN-D01-RF-WH Athena wireless node (RF only) (White) □ A-WN-D01-OCC-WH Athena wireless node with sensor (White)		☐ ZL027 −DLE Intellect Power Control Module 16	□ EN- ALC-ZB-BK-DR Wireless Area Lighting Control Module ¹⁷		LMFS-601 Integrated Fixture Sensor & Controller	120 047 W.O., Blac
INTEGRATED OCCOPANCY&	☐ DFCSJ-0EM-0CC Clear Connect (RF) and	□ SU-5E-IoT IoT Node Micro Sensor □ SU-5E-CL Connected Micro Sensor	☐ ZLOOJ -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	NXRM HubbNETTM Radio Module NXSMP2-OMNI
DAYLIGHT SENSOR	Occupancy/ Daylight Sensing ²	□ 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-D0W 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	Integrated Fixture Sensor & Controller NXSMP2-LMI Integrated Fixture Sensor & Controller
*WIRELESS OCCUPANCY SENSOR	LRF2-0CR2B-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	NXSMP2-SMI NX Slide Mount Indoor Sensor Module
*WIRELESS Daylight Sensor	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	LMLS-400 Single zone switching and dimming digital photosensor ³	LUXSTATLS Luxstat Light Sensor for Luxstat Control Modules, 3 to 6000 FC
*WIRELESS OCCUPANCY & DAYLIGHT SENSOR	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	☐ ZLOOJ -TOW Intellect Intelligent Fixture Control System ☐ ZLOOJ-DOW Intellect Intelligent Fixture Control System (Must be specified with	□ EN-CLM-PIR-DD-ZB SensiLUM™ Wireless Integrated Sensor □ ZBHA- CLM-DIM-ENC Connected Lighting Module DIM	SNS200-CMP SNS-200 for Grouping ³	N/A	NXSMDT Indoor Ceiling Mount Sensor - OMNI
		(Must be specified with CU- 4E-FMH Control Unit) ³	ZL027-NOW and ZL00J- DOW Control unit) ³	(Must be specified with EN-WCM2-ZB-DR or EN- ALC-ZB-BK-DR Control Unit) ³			
ACCESSORIES	N/A	□ TMC-SU-5E Tile Mount Carrier □ CBL-5E-CU4-30N 30 linch Sensor cable for CU-4 and loT Ready □ CBL-5E-CU4-7F 7 Foot sensor cable for CU-4 and loT Ready Driver	N/A	N/A	N/A	N/A	N/A
NOTES	4- Luminaire will be compatible with LUTRON LRF2-0CR2B-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 compatiable with philips field and wireless switch	9- Luminaire will be compatiable with DLM Room control system LMPB-100 Sensors must be orderd through Legrand.	N/A