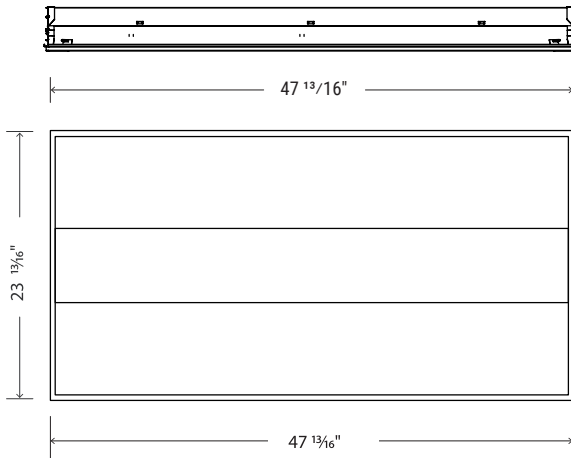
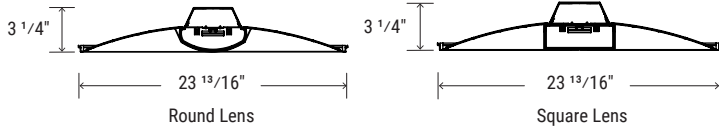
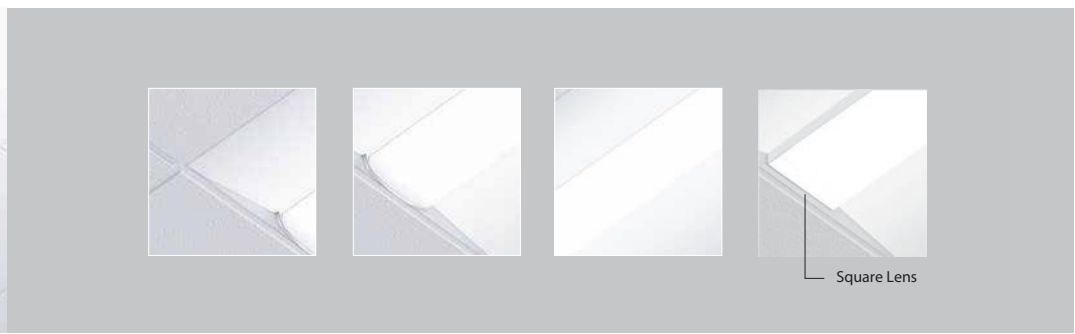




NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
10000	10317	83 W
9000	9088	70 W
8000	7881	61 W
7000	7020	56 W
6000	6382	48 W
5000	5292	40 W
4000	4636	36 W
3000	3020	27 W

Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

HIGH PERFORMANCE OPTION

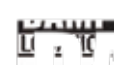
NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
4000	4230	30W
5000	5320	38W

Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

FEATURES

A combination of stylish design and shallow profile, coupled with innovative LED technology to deliver soft, glare-free illumination, resulting in improved visual comfort and uniform appearance. The enhancement of the volumetric effect provides increased brightness, with an aesthetically pleasing appearance and contemporary design. The energy saving features and optical performance create the ideal choice for educational, medical, office and retail spaces.

LUMENS	3000L, 4000L, 5000L, 6000L, 7000L, 8000L, 9000L, 10000L
CCT & DYNAMIC PLATFORMS	27K, 30K, 35K, 40K, 50K, Tunable White, Dims to Warm, RGB + White
CRI	85+(standard), 90+
COLOR QUALITY	3 Step MacAdam Ellipse
SIZE	2'x2', 2'x4', 1'x4'
UGR	UGR <17
MOUNTING	Recessed
DIMMING & CONTROLS	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, ELDO10.1-LIN, ELDO10.1, DALI1.1, DIMTR, DIM10-0-Off POE, ELDO10-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) EMG-LED-G2-20W-SDT - Self Diagnostic (Consult Factory) GTD-UL924
LIFETIME	L70 at 167,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21



MAINTENANCE

The center acrylic diffuser can be removed, allowing easy access to LED boards and driver compartment, locking into place for secure closure of the luminaire. LED engines and drivers are removable and upgradable even after luminaire installation. Luminaire can be regularly and safely wiped down to ensure optimal performance.

OPTICAL SYSTEM

The LED light engine is secured to the body of the luminaire, with the body acting as a heat sink. A proprietary design of the lens results in zero pixilation, regardless of the viewing angle, with LEDs placed to promote a uniform appearance. The result is even illumination across the space, from luminaire to luminaire. A UGR (Unified Glare Rating) of less than 17 minimizes the effect of glare, enhancing well-being and reducing discomfort.

CONSTRUCTION

Body is constructed of heavy-duty 20-gauge cold rolled steel, post-painted and engineered for maximum strength and extended life. All corners interlock to prevent aesthetic damage to the luminaire, with sides and corners uniformly turned in and hemmed to remove sharp edges for safe handling and easy installation. Luminaire is supplied with multiple wiring entrances for easy daisy chain of luminaires, to add power packs, whips, or other accessories in the field, or for continuous row mounting.

FINISH

Post-painted with a 93% reflective white coat to improve luminaire efficacy, with all body components seamlessly interlocked for added structural strength.

MOUNTING

Luminaires accommodate lay-in ceilings, Slot T, and T-bar suspension systems for 5/8" and 3/8" ceiling thicknesses. Four corner tie points are standard for safety wire support when required, with built-in earthquake clips, standard. Luminaires may be available with flange kits, surface mounted kits, and other options.

OPTIONS

Luminaires can be shipped pre-installed with whips, modular wiring systems, daylight harvesting controls, occupancy sensors, and/or power packs for individual or room control applications.

DRIVER ELECTRICAL INFORMATION

Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120/277V input. Available in 347V, produce less than 20% THD, and have a power factor of .90 to 1.00.

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)

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 systems.

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

DIM10-0-OFF - Program DIM10-to OFF with linear dimming curve 0.1%.

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 Auxiliary power

WARRANTY

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

LISTINGS

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

Listed for DLC, California Title 24 compliant.

c-UL-us Damp location listed

Type IC suitable for direct contact with air permeable insulation

Example: 24-OVHP-LED-3000L-XSR-MVOLT-35K-85-V3-DFCSJ-OEM-OCC

24	OVHP	LED						V3		
FIXTURE SIZE	SERIES	TYPE	LENS	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS
24 - 2' X 4'	OVHP - LED Shallow Volumetric Troffer	LED	Blank*- R (Round) S-Square	3000L - 3000 lumens 4000L - 4000 lumens 5000L - 5000 lumens 6000L - 6000 lumens 7000L - 7000 lumens 8000L - 8000 lumens 10000L - 10000 lumens 4000L -HP- 4000 lumens 5000L -HP- 5000 lumens	DIM10 - 0-10V Dimming LUTH - Lutron HiLum ELDO10.1-LIN - EldoLED 0-10V DALI.1 - EldoLED DALI Type 8 ELDODMX.1 - EldoLED DMX DIMTR - Triac & ELV** DIM10-0-OFF - Program DIM10 to off with linear dimming curve. POE - Power Over Internet EID010-LOG - EldoLED 0-10V with logarithmic dimming curve BLE - Wireless Bluetooth Control XSR - Xitanium SR Dimming DIM10-AUX - 0-10V with Auxiliary power	MVOLT 347V* 120 277	27K 30K 35K 40K 50K	85 90	0-EMG-LED-10W 0-EMG-LED-20W 0-EMG-LED-G2-10W-SDT 0-EMG-LED-G2-20W-SDT GTD-UL924 (listed bodineGTD/factory installs on driver input) *Consult factory for details	24FK - 2'x4' Flange Kit SBF - Internal Fast Blow Fuse SBF - Internal Slow Blow Fuse RIS - Radio Interference Suppressor USA - Meets the requirements of the Buy American Act FS-PPV2 - Fixture Sensor Power Pack FD-301 - Low Voltage Daylight Dimming Photosensor LMFC-011 - Digital Lighting Manager LMFS-601 - Integrated Fixture Sensor & Controller FS-205 - Low Voltage Pir Fixture Integrated Occupancy Sensor 24-OVHP-LED-SMK - Surface Mount Kit AMB - Antimicrobial finish DFCSJ-OEM-OCC - Clear Connect (RF) and Occupancy/ Daylight Sensing

*FD-301 & FS-205 require FS-PPV2- Power Pack

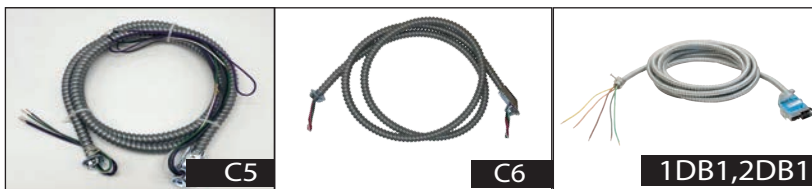
-Reference last page for Control Options

-*Blank - leave empty for the round lens option.

1 High Performance platform only available for 3500K and 4000K at 85CRI

**DIMTR - Available in 120V

WHIPS



WHIPS		
☐ C5 C5-3/8X6FT FLEX ASSY 18/5 W/GRAY & PURPLE WIRE - EXTENDED TO 12"	☐ C6 6-wire Flex Cable (Single Circuit)	☐ 1DB1 120/208/240V Distribution cable, 3-wire w/ground-phase A,B, 1' cable length ☐ 2DB1 277/480V Distribution cable, 3-wire w/ground-phase A,B, 1' cable length



☐ 1EB1-W 120/208/240V Extender cable, 3-wire w/ground-phase A,B, 1' cable length-Whip End ☐ 2EB1-W 277/480V Extender cable, 3-wire w/ground-phase A,B, 1' cable length-Whip End	☐ 2SB1 277/480V Switch Module, 3-wire w/ground-phase A,B, 1' cable length	☐ 1LB0 120/208/240V Lighting Component, 3-wire w/ground-phase A,B, No cable required	☐ 1SPB 120/208/240V Splitter, 3-wire w/ground-phase A,B
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24-OVHP-LED-4000L-DIM10-MVOLT-40K-85

INPUT WATTS: 36.7

LUMENS: 4636

CRI: 85

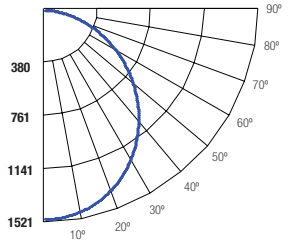
EFFICACY: 126

CCT: 4000K

TEST NO.: EL011960

SPACING CRITERIA: 1.38

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	553.88	N.A.	11.90
0-30	1175.6	N.A.	25.40
0-40	1925.99	N.A.	41.50
0-60	3440.39	N.A.	74.20
0-80	4436.79	N.A.	95.70
0-90	4597.45	N.A.	99.20

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2005	2021	1862
55	2028	2015	1769
65	2131	2056	1646
75	2390	2239	1482
85	2918	3369	1285

Lumens Per Zone

Zone	Lumens
0-10	143.44
10-20	410.45
20-30	621.72
30-40	750.38
40-50	784.22
50-60	730.19
60-70	594.41
70-80	401.99
80-90	160.66

Candela Tabulation

Q	
0	1517.118
5	1512.869
15	1460.480
25	1362.753
35	1224.453
45	1054.531
55	865.408
65	670.014
75	460.247
85	189.193
90	12.494

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

RC	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	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	102	98	93	105	100	96	92	95	92	89	91	88	86	88	85	83	81
2	97	88	81	75	95	86	80	74	83	77	72	79	75	70	76	72	69	66
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	59	54	49	47
5	74	61	52	45	72	60	51	44	57	50	44	55	49	43	53	47	43	40
6	68	55	46	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	50	41	34	62	49	40	34	47	39	34	46	39	33	44	38	33	31
8	59	45	36	31	57	44	36	30	43	35	30	42	35	30	40	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

24-OVHP-LED-5000L-DIM10-MVOLT-40K-85

INPUT WATTS: 39.8

LUMENS: 5292

CRI: 85

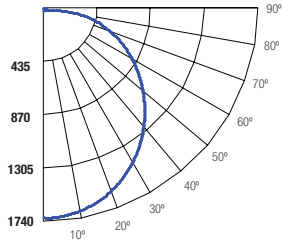
EFFICACY: 133

CCT: 4000K

TEST NO.: EL011959

SPACING CRITERIA: 1.38

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	633.94	12.00	12.00
0-30	1345.46	25.40	25.40
0-40	2203.9	41.60	41.60
0-60	3930.45	74.30	74.30
0-80	5065.57	95.70	95.70
0-90	5247.71	99.20	99.20

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2095	2132	2283
55	1982	2073	2307
65	1833	2050	2414
75	1641	2102	2698
85	1427	2181	3296

Lumens Per Zone

Zone	Lumens
0-10	164.13
10-20	469.81
20-30	711.52
30-40	858.44
40-50	896.03
50-60	830.53
60-70	677.93
70-80	457.19
80-90	182.14

Candela Tabulation

Q	
0	1736.04
5	1727.82
15	1656.16
25	1520.87
35	1331.52
45	1101.81
55	845.81
65	576.44
75	315.99
85	92.52
90	6.92

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

RC	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	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	102	98	93	105	100	96	92	95	92	89	91	88	86	88	85	83	81
2	97	88	81	75	95	86	80	74	83	77	72	79	75	71	76	72	69	66
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	59	54	49	47
5	74	61	52	45	72	60	51	44	57	50	44	55	49	43	53	47	43	40
6	68	55	46	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	37	31	57	44	36	30	43	35	30	42	35	30	40	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

24-OVHP-LED-6000L-DIM10-MVOLT-40K-85

INPUT WATTS: 47.9

LUMENS: 6382

CRI: 85

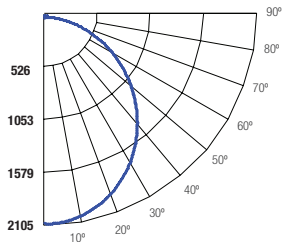
EFFICACY: 133

CCT: 4000K

TEST NO.: EL011959

SPACING CRITERIA: 1.38

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	765.64	N.A.	12.00
0-30	1624.83	N.A.	25.50
0-40	2661.43	N.A.	41.70
0-60	4743.11	N.A.	74.30
0-80	6110.05	N.A.	95.70
0-90	6328.57	N.A.	99.20

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2536	2580	2754
55	2399	2512	2784
65	2220	2477	2913
75	1973	2527	3240
85	1726	2592	3854

Lumens Per Zone

Zone	Lumens
0-10	198.27
10-20	567.36
20-30	859.19
30-40	1036.6
40-50	1081.9
50-60	999.79
60-70	815.95
70-80	550.98
80-90	218.52

Candela Tabulation

Q	
0	2097.54
5	2092.73
15	2005.10
25	1841.78
35	1612.70
45	1334.11
55	1023.73
65	697.97
75	379.83
85	111.94
90	14.82

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

RC	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	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	102	98	93	105	100	96	92	95	92	89	91	89	86	88	85	83	81
2	97	88	81	75	95	86	80	74	83	77	72	79	75	71	76	72	69	67
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47
5	74	61	52	45	72	60	51	45	57	50	44	55	49	43	53	47	43	41
6	69	55	46	39	66	54	45	39	52	44	38	50	43	38	48	42	38	35
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	37	31	57	45	36	30	43	36	30	42	35	30	41	34	30	28
9	55	42	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

24-OVHP-LED-8000L-DIM10-MVOLT-40K-85

INPUT WATTS: **61**

LUMENS: **7881**

CRI: **85**

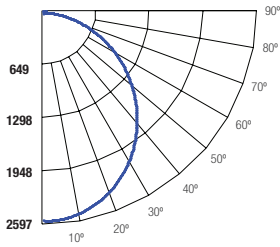
EFFICACY: **129**

CCT: **4000K**

TEST NO.: **EL011958**

SPACING CRITERIA: **1.38**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	944.83	N.A.	12.00
0-30	2005.42	N.A.	25.40
0-40	3285.34	N.A.	41.70
0-60	5857.24	N.A.	74.30
0-80	7544.86	N.A.	95.70
0-90	7816.28	N.A.	99.20

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	3126	3210	3459
55	2955	3126	3510
65	2734	3069	3652
75	2415	3059	4016
85	2070	3025	4766

Lumens Per Zone

Zone	Lumens
0-10	244.64
10-20	700.19
20-30	1060.59
30-40	1279.92
40-50	1336.39
50-60	1235.52
60-70	1005.39
70-80	682.22
80-90	271.42

Candela Tabulation

Q	
0	2588.157
5	2580.730
15	2473.850
25	2271.320
35	1987.640
45	1644.340
55	1260.810
65	859.670
75	464.910
85	134.240
90	14.720

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

	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	101	101	101	99
	1	102	97	89	81	105	96	88	82	94	83	77	72	79	75	71	76	72	69
	2	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
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	4	74	61	52	45	72	60	51	44	57	50	44	55	49	43	53	48	43	41
	5	68	55	46	39	66	54	45	39	52	44	38	50	43	38	48	42	38	35
	7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
	8	59	45	37	31	57	45	36	30	43	36	30	42	35	30	41	34	30	28
	9	55	42	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
	10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

24-OVHP-LED-9000L-DIM10-MVOLT-40K-85

INPUT WATTS: **70.5**

LUMENS: **9088**

CRI: **85**

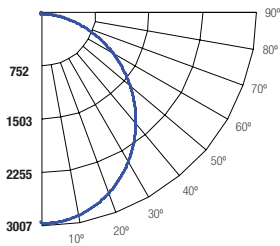
EFFICACY: **129**

CCT: **4000K**

TEST NO.: **EL011950**

SPACING CRITERIA: **1.38**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1090.63	N.A.	12.00
0-30	2314.77	N.A.	25.50
0-40	3791.81	N.A.	41.70
0-60	6759.1	N.A.	74.40
0-80	8701.61	N.A.	95.70
0-90	9013.93	N.A.	99.20

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	3615	3722	4013
55	3417	3631	4074
65	3158	3573	4244
75	2785	3600	4673
85	2378	3659	5686

Lumens Per Zone

Zone	Lumens
0-10	282.40
10-20	808.24
20-30	1224.14
30-40	1477.04
40-50	1542.00
50-60	1425.29
60-70	1157.75
70-80	784.77
80-90	312.31

Candela Tabulation

Q	
0	2987.972
5	2987.860
15	2863.110
25	2629.950
35	2301.190
45	1901.810
55	1457.990
65	993.000
75	536.260
85	154.180
90	16.660

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	101	101	101	99			
	1	108	102	98	93	105	100	96	92	96	92	89	91	89	86	88	85	83	81			
	2	97	89	81	75	95	87	80	74	83	77	72	79	75	71	76	72	69	67			
	3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56			
	4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47			
	5	74	61	52	45	72	60	51	45	58	50	44	55	49	43	53	48	43	41			
	6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	48	42	38	35			
	7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31			
	8	59	45	37	31	57	45	36	30	43	36	30	42	35	30	41	34	30	28			
	9	55	42	33	28	54	41	33	27	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 Reflectance

RW - Wall Reflectance

24-OVHP-LED-10000L-DIM10-MVOLT-40K-85

INPUT WATTS: **83.1**

LUMENS: **10317**

CRI: **85**

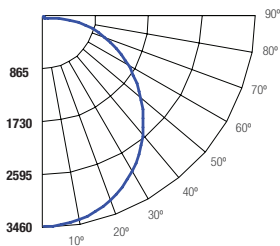
EFFICACY: **124**

CCT: **4000K**

TEST NO.: **EL101855**

SPACING CRITERIA: **1.38**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1262.85	N.A.	12.00
0-30	2679.98	N.A.	26.00
0-40	4385.17	N.A.	42.50
0-60	7763.72	N.A.	75.20
0-80	9894.62	N.A.	95.90
0-90	10230.27	N.A.	99.20

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	4199	4301	4558
55	3935	4161	4541
65	3606	4047	4676
75	3124	4064	5146
85	2418	4680	6976

Lumens Per Zone

Zone	Lumens
0-10	326.93
10-20	935.92
20-30	1417.13
30-40	1705.2
40-50	1767.27
50-60	1611.28
60-70	1284.31
70-80	846.59
80-90	335.65

Candela Tabulation

Q	
0	3457.126
5	3444.020
15	3312.160
25	3054.980
35	2676.830
45	2208.820
55	1678.920
65	1133.610
75	601.580
85	156.770
90	23.810

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%		
ROOM SAVIY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99					
	1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	81					
	2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67					
	3	89	78	69	63	86	76	68	62	73	66	61	70	64	60	67	63	58	56					
	4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48					
	5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	43	41					
	6	69	55	46	40	67	54	46	39	52	45	39	51	44	38	49	43	38	36					
	7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	38	34	32					
	8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	41	35	30	28					
	9	55	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25					
	10	52	39	31	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23					

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

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	 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}
INTEGRAT 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
			 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	 E0SCU-W-E0 Occupancy Sensor - Ceiling Mounted ³	 LRF2-OCR2B-P-WH Ceiling mount 360° , 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	 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  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
ACCESORIES	N/A	N/A	 TMC-SU-5E Tile Mount Carrier  CBL-5E-CU4-30N 30 lincn 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 compatible with DLM Room control system LMPB-100. . Sensors must be orderd through Legrand.