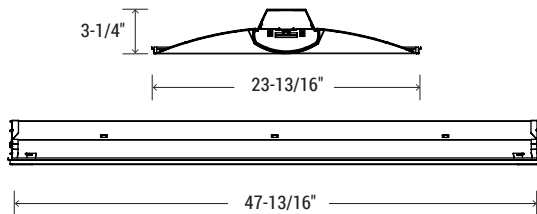




**EASY 3 COLORS
SELECTOR**
3500K • 4000K • 5000K



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
5000	5288	40 W
4000	4434	33 W
3000	3256	25 W

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
CCT & DYNAMIC PLATFORMS	35K/40K/50K
CRI	85+
COLOR QUALITY	3 Step MacAdam Ellipse
SIZE	2'x2', 2'x4'
MOUNTING	Recessed
DIMMING & CONTROL	0-10V Flicker Free 1% Dimming Standard (DIM10)
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)
LIFETIME	L70 at 50,000 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.

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.

DIMMING & DRIVER INFORMATION

DIM10 - FlickerFree 1% Dimming Standard (DIM10) 0-10V dimming on either MVOLT 120, 277V.

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.

Example: **24-OVHP-LED-3000L/4000L/5000L-DIM10-MVOLT-35K/40K/50K-85**

24	OVHP	LED							
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS
24 - 2' X 4'	OVHP - LED Shallow Volumetric Troffer	LED	3000L/4000L/5000L	DIM10 - 0-10V Dimming	MVOLT	35K/40K/50K	85	O-EMG-LED-10W O-EMG-LED-20W O-EMG-LED-G2-10W-SDT O-EMG-LED-G2-20W-SDT *Consult factory for details	24FK - 2'x4' Flange Kit FBF - Internal Fast Blow Fuse SBF - Internal Slow Blow Fuse RIS - Radio Interference Suppressor USA - Made in America Compliance FS-PPV2 - Fixture Sensor Power Pack FD-301 - Low Voltage Daylight Dimming Photosensor LMFC-011 - Digital Lighting Manager FS-205 - Low Voltage Pir Fixture Integrated Occupancy Sensor

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

24-OVHP-LED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K(3000L)

TEST NO.: **EL09012001**

INPUT WATTS: **25.2**

LUMENS: **3256**

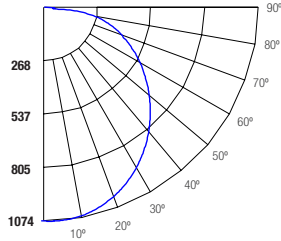
CRI: **85**

EFFICACY: **129**

CCT: **3500K**

SPACING CRITERIA: **1.38**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	390.63	12	12
0-30	828.87	25.5	25.5
0-40	1360.82	41.8	41.8
0-60	2429.67	74.6	74.6
0-80	3122.78	95.9	95.9
0-90	3229.23	99.2	99.2

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	1285	1284	1383
55	1221	1244	1393
65	1146	1228	1447
75	996	1216	1623
85	795	1088	1893

Lumens Per Zone

Zone	Lumens
0-10	101.21
10-20	289.42
20-30	438.24
30-40	531.95
40-50	555.81
50-60	513.05
60-70	415.38
70-80	277.73
80-90	106.45

Candela Tabulation

0	0
0	1070.376
5	1060.85
15	1015.12
25	931.89
35	816.12
45	676.15
55	520.88
65	360.19
75	191.78
85	51.56
90	2.74

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	94	105	100	96	92	96	92	89	92	89	86	88	85	83	81	
	2	97	89	81	75	95	87	80	74	83	77	73	80	75	71	76	72	69	67	
	3	89	78	69	62	86	76	68	62	73	66	60	70	64	59	67	62	58	56	
	4	81	68	59	52	79	67	59	52	64	57	51	62	56	50	60	54	50	47	
	5	74	61	52	45	72	60	51	45	58	50	44	55	49	43	54	48	43	41	
	6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	48	42	38	35	
	7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31	
	8	59	45	37	31	57	45	36	31	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-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K(4000L)

TEST NO.: **EL09012002**

INPUT WATTS: **33.9**

LUMENS: **4434**

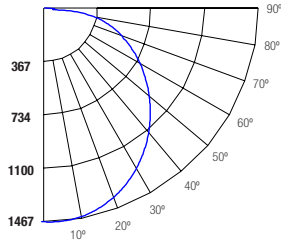
CRI: **85**

EFFICACY: **131**

CCT: **3500K**

SPACING CRITERIA: **1.38**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1754	1751	1891
0-30	1664	1696	1906
0-40	1542	1650	1981
0-60	1359	1656	2194
0-80	1084	1468	2627
0-90	4397.38	99.2	99.2

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	138.07	2090	2262
55	395.04	2023	2280
65	597.89	1967	2370
75	721.15	1963	2627
85	753.37	1741	3165

Lumens Per Zone

Zone	Lumens
0-10	138.07
10-20	395.04
20-30	597.89
30-40	721.15
40-50	753.37
50-60	700.23
60-70	566.54
70-80	378.74
80-90	146.35

Candela Tabulation

0	0
0	1460.178
5	1447.21
15	1385.51
25	1270.98
35	1113.7
45	922.67
55	710.13
65	484.72
75	261.62
85	70.3
90	3.72

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	94	105	100	96	92	96	92	89	92	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	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56	
	4	81	68	59	52	78	67	59	52	64	57	51	62	55	50	60	54	50	47	
	5	74	61	52	45	72	60	51	45	58	50	44	55	49	43	54	48	43	41	
	6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	48	42	38	35	
	7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31	
	8	59	45	37	31	57	45	36	31	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-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K(5000L)

TEST NO.: **EL09012003**

INPUT WATTS: **40.3**

LUMENS: **5288**

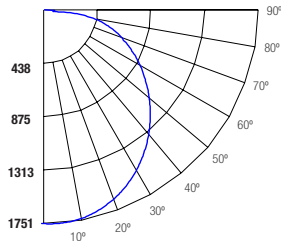
CRI: **85**

EFFICACY: **131**

CCT: **3500K**

SPACING CRITERIA: **1.38**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	636.77	12	12
0-30	1350.93	25.5	25.5
0-40	2212.2	41.8	41.8
0-60	3942.85	74.6	74.6
0-80	5070.28	95.9	95.9
0-90	5244.54	99.2	99.2

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2095	2090	2262
55	1988	2023	2280
65	1841	1967	2370
75	1623	1963	2627
85	1293	1741	3165

Lumens Per Zone

Zone	Lumens
0-10	164.92
10-20	471.85
20-30	714.16
30-40	861.27
40-50	898.67
50-60	831.98
60-70	676.23
70-80	451.2
80-90	174.26

Candela Tabulation

0	0
0	1744.223
5	1728.5
15	1654.79
25	1518.4
35	1329.87
45	1102.09
55	848.41
65	578.89
75	312.45
85	83.86
90	4.36

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	94	105	100	96	92	96	92	89	92	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	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56	
	4	81	68	59	52	78	67	59	52	64	57	51	62	55	50	60	54	50	47	
	5	74	61	52	45	72	60	51	45	58	50	44	55	49	43	54	48	43	41	
	6	65	53	45	38	67	54	45	38	52	44	38	43	38	33	48	42	38	35	
	7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31	
	8	59	45	37	31	57	45	36	31	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		

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 ¹⁴	☐ 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
	☐ LEDDU LED Zone Controller 0-10V ¹	☐ FCJS-ECO Lutron Vive Eco-system Individual Control Models ¹⁴		☐ ZL027 -DLE Intellect Power Control Module ¹⁶	☐ EN- ALC-ZB-BK-DR Wireless Area Lighting Control Module ¹⁷		☐ FS-PP-V2 FS-PP Fixture Integrated Sensor Power Pack ¹⁹
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 Independent Micro Sensor ☐ SU-5S-H(IoT/CL/IL) Surface 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	☐ EOSCU-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 Independent Micro Sensor ☐ SU-5S-H(IoT/CL/IL) Surface 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 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 compatible with DLM Room control system LMPB-100. . Sensors must be orderd through Legrand.