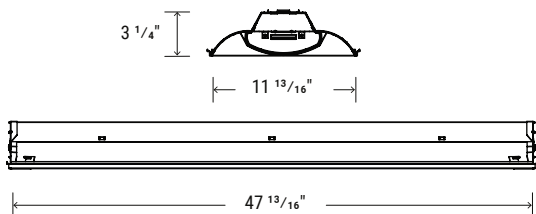




→ Square Lens



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
6000	5898	46 W
5000	5110	40 W
4000	3829	30 W
3400	3115	24 W
2400	2474	19 W
1500	1505	12 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	1500L, 2400L, 3400L, 4000L, 5000L, 6000L
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'
MOUNTING	Recessed
DIMMING & CONTROL	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, DIMST, ELDO10.1, ELDODMX.1, DALI.1, DMTR
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.

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.

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 1% EcoSystem LED driver with Soft-on, 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

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

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)

WARRANTY

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

LISTINGS

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

Listed for DLC, California Title24 compliant.

c-UL-us Damp location listed

Type IC suitable for direct contact with air permeable insulation

Example: **14-OVHP-LED-4000L-DIM10-MVOLT-30K-85**

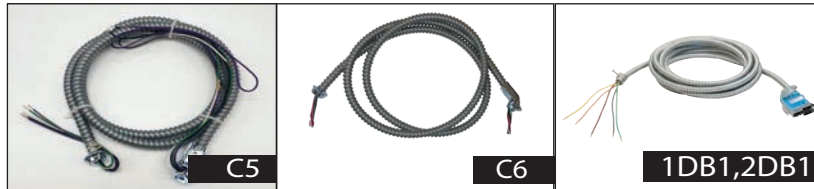
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS
14 - 1' X 4'	OVHP - LED Shallow Volumetric Troffer	LED	1500L - 1500 lumens 2400L - 2400 lumens 3400L - 3400 lumens 4000L - 4000 lumens 5000L - 5000 lumens 6000L - 6000 lumens	DIM10- 0-10V Dimming DIMST- Step Dimming LUTH- Lutron Hilume ELDO10.1- EldoLED 0-10V DALI.1- EldoLED DALI ELDODMX.1- EldoLED DMX DIMTR - Triac & ELV**	MVOLT 347* 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 bodine GTD factory installs on driver input)	14FK - 1'x4' Flange Kit FBF - 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 FS-205 - Low Voltage Pir Fixture Integrated Occupancy Sensor AMB - Antimicrobial finish

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

**DIMTR is available 120V

-Reference last page for Control Options

WHIPS



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



<p><input type="checkbox"/> 1EB1-W 120/208/240V Extender cable, 3-wire w/ground-phase A,B, 1' cable length-Whip End</p> <p><input type="checkbox"/> 2EB1-W 277/480V Extender cable, 3-wire w/ground-phase A,B, 1' cable length-Whip End</p>	<p><input type="checkbox"/> 2SB1 277/480V Switch Module, 3-wire w/ground-phase A,B, 1' cable length</p>	<p><input type="checkbox"/> 1LB0 120/208/240V Lighting Component, 3-wire w/ground-phase A,B, No cable required</p>	<p><input type="checkbox"/> 1SPB 120/208/240V Splitter, 3-wire w/ground-phase A,B</p>
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14-OVHP-LED-5000L-DIM10-MVOLT-40K-85

INPUT WATTS: **40**

LUMENS: **5110**

CRI: **85**

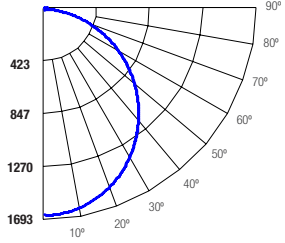
EFFICACY: **128**

CCT: **4000K**

TEST NO.: **EL011989**

SPACING CRITERIA: **1.40**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	616.35	N.A.	12.10
0-30	1311.04	N.A.	25.70
0-40	2153.66	N.A.	42.10
0-60	3858.1	N.A.	75.50
0-80	4925.16	N.A.	96.40
0-90	5062.58	N.A.	99.10

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	4163	4317	4546
55	3987	4216	4539
65	3736	4087	4461
75	3334	3799	4240
85	2615	3190	3890

Lumens Per Zone

Zone	Lumens
0-10	159.38
10-20	456.97
20-30	694.69
30-40	842.61
40-50	884.22
50-60	820.22
60-70	656.96
70-80	410.10
80-90	137.42

Candela Tabulation

Q	
0	1685.298
5	1682.600
15	1614.070
25	1486.840
35	1309.640
45	1094.970
55	850.590
65	587.360
75	320.940
85	84.790
90	6.150

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

Cone of Light			
2	421	5.9	6.8
4	105	11.7	13.7
6	46.8	17.6	20.5
8	26.3	23.4	27.3
10	16.9	29.3	34.1
12	11.7	35.1	41

(FT) Distance to Plane (FC) Initial Footcandle at Nadir (FT) Beam Vert. Spread (FT) Beam Horiz. Spread

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

ROOM CAVITY RATIO	RC				70%				50%				30%				10%				0%			
	RW	70%	50%	10%	70%	50%	30%	10%	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	101	101	101	99			
1	108	103	98	94	105	100	96	93	96	93	89	92	89	87	88	86	84	86	84	82	82			
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	77	73	70	73	70	67	67			
3	89	78	69	63	86	76	68	62	73	66	61	70	64	60	68	63	59	63	59	56	56			
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	55	50	48	48			
5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	43	41	41	41	41			
6	69	55	46	39	67	54	46	39	52	45	39	50	44	38	49	43	38	36	36	36	36			
7	64	50	41	35	62	49	41	35	47	40	34	46	39	34	44	38	34	32	32	32	32			
8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	41	35	30	28	28	28	28			
9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25	25	25	25			
10	52	39	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23	23	23	23			

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

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

INPUT WATTS: **46.1**

LUMENS: **5898**

CRI: **85**

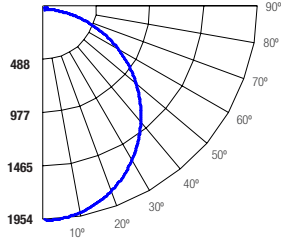
EFFICACY: **128**

CCT: **4000K**

TEST NO.: **EL011988**

SPACING CRITERIA: **1.40**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	711.43	N.A.	12.10
0-30	1513.38	N.A.	25.70
0-40	2486.23	N.A.	42.20
0-60	4451.6	N.A.	75.50
0-80	5683.12	N.A.	96.40
0-90	5842.47	N.A.	99.10

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	4802	4982	5243
55	4600	4865	5236
65	4310	4713	5151
75	3832	4338	4888
85	3000	3633	4481

Lumens Per Zone

Zone	Lumens
0-10	183.94
10-20	527.49
20-30	801.95
30-40	972.85
40-50	1020.84
50-60	944.53
60-70	758.04
70-80	473.48
80-90	159.35

Candela Tabulation

Q	
0	1945.178
5	1941.115
15	1862.017
25	1716.192
35	1511.673
45	1263.047
55	981.347
65	677.584
75	368.912
85	97.254
90	6.887

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

Cone of Light			
2	486	5.9	6.8
4	122	11.7	13.7
6	54	17.6	20.5
8	30.4	23.4	27.3
10	19.5	29.3	34.2
12	13.5	35.2	41

(FT) Distance to Plane (FC) Initial Footcandle at Nadir (FT) Beam Vert. Spread (FT) Beam Horiz. Spread

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

ROOM CAVITY RATIO	RC				70%				50%				30%				10%				0%			
	RW	70%	50%	10%	70%	50%	30%	10%	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	101	101	101	99			
1	108	103	98	94	105	100	96	93	96	93	89	92	89	87	88	86	84	86	84	82	82			
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	77	73	70	73	70	67	67			
3	89	78	69	63	86	76	68	62	73	66	61	70	64	60	68	63	59	63	59	56	56			
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48	48	48	48			
5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	43	41	41	41	41			
6	69	55	46	39	67	54	46	39	52	45	39	50	44	38	49	43	38	36	36	36	36			
7	64	50	41	35	62	49	41	35	47	40	34	46	39	34	44	38	34	32	32	32	32			
8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	41	35	30	28	28	28	28			
9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25	25	25	25			
10	52	39	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23	23	23	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	<input type="checkbox"/> LEDRU LED Relay Zone Controller 0-10V ¹	<input type="checkbox"/> FCJS-0-10 Lutron Vive 0-10V Individual Control Models ¹⁴	<input type="checkbox"/> CU-4E-FMH Fixture Mount Control Unit ¹⁵	<input type="checkbox"/> ZL027 -NOW Intellect Power Control Module ¹⁶	<input type="checkbox"/> EN-WCM2-ZB-DR Wireless Control Module ¹⁷	<input type="checkbox"/> XITANIUM SR LED DRIVER The Philips Advance Xitanium SR LED driver ¹⁸	<input type="checkbox"/> LMFC-011 ON/OFF/0-10V dimming fixture controller ¹⁹
	<input type="checkbox"/> LEDDU LED Zone Controller 0-10V ¹	<input type="checkbox"/> FCJS-ECO Lutron Vive Eco-system Individual Control Models ¹⁴		<input type="checkbox"/> ZL027 -DLE Intellect Power Control Module ¹⁶	<input type="checkbox"/> EN- ALC-ZB-BK-DR Wireless Area Lighting Control Module ¹⁷		<input type="checkbox"/> FS-PP-V2 FS-PP Fixture Integrated Sensor Power Pack ¹⁹
INTEGRAT OCCUPANCY& DAYLIGHT SENSOR	N/A	<input type="checkbox"/> DFCSJ-OEM-OCC Clear Connect (RF) and Occupancy/ Daylight Sensing ²	<input type="checkbox"/> SU-5E-IoT IoT Node Micro Sensor <input type="checkbox"/> SU-5E-CL Connected Micro Sensor <input type="checkbox"/> SU-5E-IL Independent Micro Sensor <input type="checkbox"/> SU-5S-H(IoT/CL/IL) Surface Mount Sensor (Must be Specified with CU- 4E-FMH Control Unit)²	<input type="checkbox"/> ZL00J -TOW Intellect Intelligent Fixture Control System ²	<input type="checkbox"/> EN-CLM-PIR-DD-ZB SensiLUM™ Wireless Integrated Sensor	<input type="checkbox"/> SNS200 SNS200 for grouping ²	<input type="checkbox"/> FD-301 Fixture integrated Daylight Dimming Sensor ²
			<input type="checkbox"/> ZL00J-DOW Intellect Intelligent Fixture Control System ²	<input type="checkbox"/> ZBHA- CLM-DIM-ENC Connected Lighting Module DIM ²	<input type="checkbox"/> SNS300 SNS300 for networks ²	<input type="checkbox"/> FS-205 Fixture integrated passive infrared occupancy sensor ²	
*WIRELESS OCCUPANCY SENSOR	<input type="checkbox"/> E0SCU-W-E0 Occupancy Sensor - Ceiling Mounted ³	<input type="checkbox"/> LRF2-OCR2B-P-WH Ceiling mount 360° ,occupancy/vacancy sensor ³	N/A	N/A	<input type="checkbox"/> EN-SCPPH- 1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors ³	N/A	<input type="checkbox"/> LMDC-100 Dual technology PIR Ceiling Mount Occupancy Sensor ³
*WIRELESS DAYLIGHT SENSOR	<input type="checkbox"/> ELLSU-W-E0 Light Level Sensor - Ceiling Mounted ³	<input type="checkbox"/> LRF2-DCRB-WH Ceiling-mount daylight sensor ³	N/A	N/A	<input type="checkbox"/> EN-SCPPH- 1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors ³	N/A	<input type="checkbox"/> LMLS-400 Single zone switching and dimming digital photosensor ³
*WIRELESS OCCUPANCY & DAYLIGHT SENSOR	N/A	N/A	<input type="checkbox"/> SU-5E-IoT IoT Node Micro Sensor <input type="checkbox"/> SU-5E-CL Connected Micro Sensor <input type="checkbox"/> SU-5E-IL Independent Micro Sensor <input type="checkbox"/> SU-5S-H(IoT/CL/IL) Surface Mount Sensor (Must be specified with CU- 4E-FMH Control Unit)³	<input type="checkbox"/> ZL00J -TOW Intellect Intelligent Fixture Control System <input type="checkbox"/> ZL00J-DOW Intellect Intelligent Fixture Control System (Must be specified with ZL027-NOW and ZL00J- DOW Control unit)³	<input type="checkbox"/> EN-CLM- PIR-DD-ZB SensiLUM™ Wireless Integrated Sensor <input type="checkbox"/> 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	<input type="checkbox"/> SNS200-CMP SNS-200 for Grouping ³	N/A
ACCESORIES	N/A	N/A	<input type="checkbox"/> TMC-SU-5E Tile Mount Carrier <input type="checkbox"/> CBL-5E-CU4-30N 30 inch Sensor cable for CU-4 and IoT Ready <input type="checkbox"/> 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-5S, 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.