

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
6000	6906	59 W
5000	5606	47 W
4000	4699	40 W
3400	3333	27 W

Based on 4000K, 90+ CRI. Actual wattage may vary +/- 5%

FEATURES

The OD1V-LED combines exquisite style with uncompromised performance, featuring a fully-illuminated lens that creates a floating visual effect, blending seamlessly with the ceiling. The combination of a micro-prism center optical lens and an angled backlit lens creates a volumetric, uniform appearance, delivering a high angled distribution and higher intensity of illumination across the work plane. The glare-free illumination, high efficiency and sustainability of the luminaire makes it the ideal source for corporate offices, educational, healthcare, commercial, and retail applications.

LUMENS	3400, 4000, 5000, 6000
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 & CONTROL	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, LUT2W, DIMST, ELDO10.1, ELDODMX.1, DALI.1
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 167,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21



MAINTENANCE

The micro-prism center optical lens door assembly is hinged, 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.

WARRANTY

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

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 (120V forward phase only).

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

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)

LISTINGS

c-UL-us - Listed for Feed Through Wiring.
Listed for DLC, California Title 24 compliant.

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.

Example: **14-OD1V-LED-4000L-DIM10-MVOLT-30K-85**

14	OD1V	LED							
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS
14 - 1' X4'	OD1V - LED Volumetric Troffer	LED	3400L - 3400 lumens 4000L - 4000 lumens 5000L - 5000 lumens 6000L - 6000 lumens	DIM10 - 0-10V Dimming DIMST - Step Dimming LUTH - Lutron HiLume LUT2W - Lutron 2Wire ELDO10.1 - EldoLED 0-10V DALI.1 - EldoLED DALI ELDODMX.1 - EldoLED DMX	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	14FK - 1'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

LUT2W are available in 120V only LUT2W up to 4000L

LUTH, ELDO10.1, ELDODALI.1, and ELDODMX.1 are available in 120V and 277V

-Reference last page for Control Options

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

14-OD1V-LED-6000L-DIM10-MVOLT-40K-85

TEST NO.: **EL111896**

INPUT WATTS: **59.1**

LUMENS: **6906**

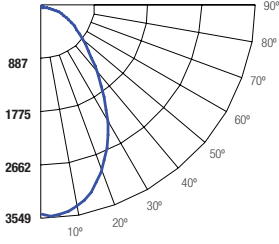
CRI: **85**

EFFICACY: **117**

CCT: **4000K**

SPACING CRITERIA: **1.14**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1245.9	N.A.	18.00
0-30	2525.56	N.A.	36.60
0-40	3866.19	N.A.	56.00
0-60	5834.57	N.A.	84.50
0-80	6737.85	N.A.	97.60
0-90	6843.13	N.A.	99.10

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	4593	5129	7186
55	3671	3930	5433
65	3246	3327	4086
75	3031	3120	3602
85	2240	2473	3353

Lumens Per Zone

Zone	Lumens
0-10	330.17
10-20	915.74
20-30	1279.66
30-40	1340.63
40-50	1133.68
50-60	834.70
60-70	565.85
70-80	337.43
80-90	105.28

Candela Tabulation

θ	Candela
0	3512.535
5	3529.107
15	3249.628
25	2635.123
35	1865.294
45	1208.054
55	783.171
65	510.288
75	291.836
85	72.615
90	3.855

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%
0	119	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	101	101	101	101	99	85
1	110	105	102	98	98	107	103	100	97	99	96	93	93	95	92	90	91	89	87	87	85	73
2	101	94	87	82	82	98	92	86	81	88	83	79	79	85	81	77	82	78	76	76	73	64
3	93	84	76	70	70	91	82	75	70	79	73	68	68	76	71	67	74	69	66	66	64	56
4	86	75	67	61	61	84	74	66	61	71	65	60	60	69	63	59	67	62	58	58	56	49
5	80	68	60	54	54	78	67	59	53	65	58	53	53	63	57	52	61	56	51	51	49	44
6	74	62	54	48	48	72	61	53	47	59	52	47	47	57	51	47	56	50	46	46	44	40
7	69	57	49	43	43	67	56	48	43	54	47	42	42	53	47	42	51	46	42	42	40	36
8	65	52	44	39	39	63	51	44	39	50	43	38	38	49	43	38	48	42	38	38	36	33
9	61	48	41	35	35	59	48	40	35	46	40	35	35	45	39	35	44	39	35	35	33	30
10	57	45	37	32	32	56	44	37	32	43	37	32	32	42	36	32	41	36	32	32	30	27

Cone of Light			
2	878	2.9	4.1
4	220	5.7	8.3
6	97.6	8.6	12.4
8	54.9	11.5	16.6
10	35.1	14.3	20.7
12	24.4	17.2	24.9

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

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 ^{1,4} <input type="checkbox"/> FCJS-ECO Lutron Vive Eco-system Individual Control Models ^{1,4}	<input type="checkbox"/> CU-4E-FMH Fixture Mount Control Unit ^{1,5}	<input type="checkbox"/> ZL027 -NOW Intellect Power Control Module ^{1,6}	<input type="checkbox"/> EN-WCM2-ZB-DR Wireless Control Module ^{1,7}	<input type="checkbox"/> XITANIUM SR LED DRIVER The Philips Advance Xitanium SR LED driver ^{1,8}	<input type="checkbox"/> LMFC-011 ON/OFF/0-10V dimming fixture controller ^{1,9}
	<input type="checkbox"/> LEDDU LED Zone Controller 0-10V ¹	<input type="checkbox"/> A-WN-D01-RF-WH Athena wireless node (RF only) (White) <input type="checkbox"/> A-WN-D01-OCC-WH Athena wireless node with sensor (White)		<input type="checkbox"/> ZL027 -DLE Intellect Power Control Module ^{1,6}	<input type="checkbox"/> EN-ALC-ZB-BK-DR Wireless Area Lighting Control Module ^{1,7}		<input type="checkbox"/> FS-PP-V2 FS-PP Fixture Integrated Sensor Power Pack ^{1,9}
INTEGRATED 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"/> ZL00J-DOW Intellect Intelligent Fixture Control System ²	<input type="checkbox"/> EN-CLM-PIR-DD-ZB SensILUM™ Wireless Integrated Sensor <input type="checkbox"/> ZBHA- CLM-DIM-ENC Connected Lighting Module DIM ²	<input type="checkbox"/> SNS200 SNS200 for grouping ² <input type="checkbox"/> SNS300 SNS300 for networks ²	<input type="checkbox"/> FD-301 Fixture integrated Daylight Dimming Sensor ² <input type="checkbox"/> FS-205 Fixture integrated passive infrared occupancy sensor ² <input type="checkbox"/> LMFS-601 DLM Integrated Fixture Sensor and Controller, Occupancy, Daylight Harvesting, and IPv6/Bluetooth® Low Energy Technology
	*WIRELESS OCCUPANCY SENSOR	<input type="checkbox"/> EOSCU-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
*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
ACCESSORIES	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-5SH, Sensors	6- Luminaire will be compatible with LEVITON Intellect 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.