

| NOMINAL LUMENS | DELIVERED LUMENS | WATTAGE |
|----------------|------------------|---------|
| 6000           | 6376             | 57 W    |
| 5000           | 5096             | 46 W    |
| 4000           | 4855             | 34 W    |
| 3400           | 3538             | 25 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.

|                                    |  |
|------------------------------------|--|
| <b>LUMENS</b>                      | 3400, 4000, 5000, 6000   |
| <b>CCT &amp; DYNAMIC PLATFORMS</b> | 27K, 30K, 35K, 40K, 50K, Tunable White, Dims to Warm, RGB + White  |
| <b>CRI</b>                         | 85+(standard), 90+   |
| <b>COLOR QUALITY</b>               | 3 Step MacAdam Ellipse   |
| <b>SIZE</b>                        | 2'x2', 2'x4', 1'x4'  |
| <b>UGR</b>                         | UGR <17  |
| <b>MOUNTING</b>                    | Recessed   |
| <b>DIMMING &amp; CONTROL</b>       | 0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, LUT2W, DIMST, ELDO10.1, ELDO10.1, DALI.1   |
| <b>EMERGENCY</b>                   | 10W - Up to 1000L output<br>20W - Up to 2000L output<br>EMG-LED-G2-10W-SDT - Self Diagnostic (Consult Factory)<br>EMG-LED-G2-20W-SDT - Self Diagnostic (Consult Factory) |
| <b>LIFETIME</b>                    | L70 at 167,000 Hours   |
| <b>PHOTOMETRIC TESTS</b>           | 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


**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)

**LISTINGS**

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

Example: **22-OD1V-LED-4000L-DIM10-MVOLT-30K-85**

| FIXTURE SIZE | SERIES                        | TYPE | LUMENS   | DIMMING   | VOLTAGE                     | CCT                             | CRI      | EMERGENCY  | OTHER OPTIONS  |
|--------------|-------------------------------|------|--|---|-----------------------------|---------------------------------|----------|--|--|
| 22 - 2' X2'  | OD1V - LED Volumetric Troffer | LED  | 3400L - 3400 lumens<br>4000L - 4000 lumens<br>5000L - 5000 lumens<br>6000L - 6000 lumens | DIM10 - 0-10V Dimming<br>DIMST - Step Dimming<br>LUTH - Lutron HiLume<br>LUT2W - Lutron 2Wire<br>ELDO10.1 - EldoLED 0-10V<br>DALI.1 - EldoLED DALI<br>ELDODMX.1 - EldoLED DMX | MVOLT<br>347*<br>120<br>277 | 27K<br>30K<br>35K<br>40K<br>50K | 85<br>90 | 0-EMG-LED-10W<br>0-EMG-LED-20W<br>0-EMG-LED-G2-10W-SDT<br>0-EMG-LED-G2-20W-SDT | 22FK - 2'x2' Flange Kit<br>FBF - Internal Fast Blow Fuse<br>SBF - Internal Slow Blow Fuse<br>RIS - Radio Interference Suppressor<br>USA - Made in America Compliance<br>FS-PPV2 - Fixture Sensor Power Pack<br>FD-301 - Low Voltage Daylight Dimming Photosensor<br>LMFC-011 - Digital Lighting Manager<br>LMFS-601 - Integrated Fixture Sensor & Controller<br>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

Due to the changes of constant improvement in LED technology, all details are subject to change without notice. Consult factory for up to date information.



**22-OD1V-LED-6000L-DIM10-MVOLT-40K-85**

**TEST NO.: EL111896**

**INPUT WATTS: 58**

**LUMENS: 6376**

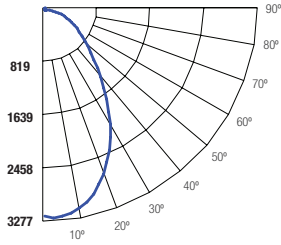
**CRI: 85**

**EFFICACY: 110**

**CCT: 4000K**

**SPACING CRITERIA: 1.14**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

| Zone | Lumens  | %Lamp | %Fixt |
|------|---------|-------|-------|
| 0-20 | 1150.42 | N.A.  | 18.00 |
| 0-30 | 2332.01 | N.A.  | 36.60 |
| 0-40 | 3569.89 | N.A.  | 56.00 |
| 0-60 | 5387.42 | N.A.  | 84.50 |
| 0-80 | 6221.47 | N.A.  | 97.60 |
| 0-90 | 6318.68 | N.A.  | 99.10 |

**Luminance (Average candela/M<sup>2</sup>)**

| Angle in Degrees | Average 0° | Average 45° | Average 90° |
|------------------|------------|-------------|-------------|
| 45               | 4241       | 4735        | 6636        |
| 55               | 3390       | 3629        | 5017        |
| 65               | 2997       | 3072        | 3773        |
| 75               | 2799       | 2881        | 3326        |
| 85               | 2068       | 2284        | 3096        |

**Lumens Per Zone**

| Zone  | Lumens  |
|-------|---------|
| 0-10  | 304.86  |
| 10-20 | 845.56  |
| 20-30 | 1181.59 |
| 30-40 | 1237.89 |
| 40-50 | 1046.8  |
| 50-60 | 770.73  |
| 60-70 | 522.49  |
| 70-80 | 311.57  |
| 80-90 | 97.21   |

**Candela Tabulation**

| 0  | 0        |
|----|----------|
| 0  | 3243.338 |
| 5  | 3258.640 |
| 15 | 3000.580 |
| 25 | 2433.170 |
| 35 | 1722.340 |
| 45 | 1115.470 |
| 55 | 723.150  |
| 65 | 471.180  |
| 75 | 269.470  |
| 85 | 67.050   |
| 90 | 3.560    |

**Coefficients of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance 0.20

| Cone of Light |      |      |      |
|---------------|------|------|------|
| 2             | 811  | 2.9  | 4.1  |
| 4             | 203  | 5.7  | 8.3  |
| 6             | 90.1 | 8.6  | 12.4 |
| 8             | 50.7 | 11.5 | 16.6 |
| 10            | 32.4 | 14.3 | 20.7 |
| 12            | 22.5 | 17.2 | 24.9 |

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

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

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<br>by EnOcean   | LUTRON   | enlighted   | LEVITON  | OSRAM   | PHILIPS<br>EasySense   | legrand®  |
|--|---|--|---|--|---|--|---|
| CONTROL UNIT                                   | <input type="checkbox"/> LEDRU<br>LED Relay Zone<br>Controller 0-10V <sup>1</sup>           | <input type="checkbox"/> FCJS-0-10<br>Lutron Vive 0-10V Individual<br>Control Models <sup>14</sup><br><input type="checkbox"/> FCJS-ECO<br>Lutron Vive Eco-system<br>Individual Control Models <sup>14</sup> | <input type="checkbox"/> CU-4E-FMH<br>Fixture Mount Control<br>Unit <sup>15</sup>   | <input type="checkbox"/> ZL027 –NOW<br>Intellect Power Control<br>Module <sup>16</sup>   | <input type="checkbox"/> EN-WCM2-ZB-DR<br>Wireless Control<br>Module <sup>17</sup>  | <input type="checkbox"/> XITANIUM<br>SR LED DRIVER<br>The Philips<br>Advance Xitanium<br>SR LED driver <sup>18</sup>                             | <input type="checkbox"/> LMFC-011<br>ON/OFF/0-10V<br>dimming fixture<br>controller <sup>19</sup>  |
|  | <input type="checkbox"/> LEDDU<br>LED Zone Controller<br>0-10V <sup>1</sup>                 | <input type="checkbox"/> A-WN-D01-RF-WH<br>Athena wireless node<br>(RF only) (White)<br><input type="checkbox"/> A-WN-D01-OCC-WH<br>Athena wireless node with<br>sensor (White)                              |   | <input type="checkbox"/> ZL027 –DLE<br>Intellect Power Control<br>Module <sup>16</sup>   | <input type="checkbox"/> EN- ALC-ZB-BK-DR<br>Wireless Area Lighting<br>Control Module <sup>17</sup>   |  | <input type="checkbox"/> FS-PP-V2<br>FS-PP Fixture<br>Integrated Sensor<br>Power Pack <sup>19</sup>   |
| INTEGRATED<br>OCCUPANCY&<br>DAYLIGHT<br>SENSOR | N/A   | <input type="checkbox"/> DFCSJ-OEM-OCC<br>Clear Connect (RF) and<br>Occupancy/<br>Daylight Sensing <sup>2</sup>  | <input type="checkbox"/> SU-5E-IoT<br>IoT Node Micro Sensor<br><input type="checkbox"/> SU-5E-CL<br>Connected Micro Sensor<br><input type="checkbox"/> SU-5E-IL<br>Independent Micro Sensor<br><input type="checkbox"/> SU-5S-H(IoT/CL/IL)<br>Surface Mount Sensor<br><b>(Must be Specified with CU-<br/>4E-FMH Control Unit)<sup>2</sup></b> | <input type="checkbox"/> ZL00J -TOW<br>Intellect Intelligent<br>Fixture Control<br>System <sup>2</sup><br><input type="checkbox"/> ZL00J-DOW<br>Intellect Intelligent<br>Fixture Control<br>System <sup>2</sup>  | <input type="checkbox"/> EN-CLM-PIR-DD-ZB<br>SensiLUM™ Wireless<br>Integrated Sensor<br><input type="checkbox"/> ZBHA-<br>CLM-DIM-ENC<br>Connected Lighting<br>Module DIM <sup>2</sup>  | <input type="checkbox"/> SNS200<br>SNS200 for<br>grouping <sup>2</sup><br><input type="checkbox"/> SNS300<br>SNS300 for<br>networks <sup>2</sup> | <input type="checkbox"/> FD-301<br>Fixture integrated<br>Daylight Dimming<br>Sensor <sup>2</sup><br><input type="checkbox"/> FS-205<br>Fixture integrated<br>passive infrared<br>occupancy sensor <sup>2</sup><br><input type="checkbox"/> LMFS-601<br>DLM Integrated Fixture<br>Sensor and Controller,<br>Occupancy, Daylight<br>Harvesting, and<br>IPv6/Bluetooth®<br>Low Energy Technology |
|  | *WIRELESS<br>OCCUPANCY<br>SENSOR  | <input type="checkbox"/> EOSCU-W-EO<br>Occupancy Sensor<br>- Ceiling Mounted <sup>3</sup>  | <input type="checkbox"/> LRF2-OCR2B-P-WH<br>Ceiling mount 360°<br>,occupancy/vacancy sensor <sup>3</sup>  | N/A  | N/A   | <input type="checkbox"/> EN-SCPPH-<br>1500-ZB<br>Wireless Passive<br>Infrared Occupancy<br>and Photo Sensors <sup>3</sup>                        | N/A   |
| *WIRELESS<br>DAYLIGHT<br>SENSOR                | <input type="checkbox"/> ELLSU-W-EO<br>Light Level Sensor -<br>Ceiling Mounted <sup>3</sup> | <input type="checkbox"/> LRF2-DCRB-WH<br>Ceiling-mount daylight<br>sensor <sup>3</sup>   | N/A   | N/A  | <input type="checkbox"/> EN-SCPPH-<br>1500-ZB<br>Wireless Passive<br>Infrared Occupancy<br>and Photo Sensors <sup>3</sup>   | N/A  | <input type="checkbox"/> LMLS-400<br>Single zone switching<br>and dimming digital<br>photosensor <sup>3</sup>   |
| *WIRELESS<br>OCCUPANCY<br>& DAYLIGHT<br>SENSOR | N/A   | N/A  | <input type="checkbox"/> SU-5E-IoT<br>IoT Node Micro Sensor<br><input type="checkbox"/> SU-5E-CL<br>Connected Micro Sensor<br><input type="checkbox"/> SU-5E-IL<br>Independent Micro Sensor<br><input type="checkbox"/> SU-5S-H(IoT/CL/IL)<br>Surface Mount Sensor<br><b>(Must be specified with CU-<br/>4E-FMH Control Unit)<sup>3</sup></b> | <input type="checkbox"/> ZL00J -TOW<br>Intellect Intelligent<br>Fixture Control System<br><input type="checkbox"/> ZL00J-DOW<br>Intellect Intelligent<br>Fixture Control System<br><b>(Must be specified with<br/>ZL027-NOW and ZL00J-<br/>DOW Control unit)<sup>3</sup></b> | <input type="checkbox"/> EN-CLM-<br>PIR-DD-ZB<br>SensiLUM™ Wireless<br>Integrated Sensor<br><input type="checkbox"/> ZBHA-<br>CLM-DIM-ENC<br>Connected Lighting<br>Module DIM<br><b>(Must be specified<br/>with EN-WCM2-ZB-DR<br/>or EN- ALC-ZB-BK-DR<br/>Control Unit)<sup>3</sup></b> | <input type="checkbox"/> SNS200-CMP<br>SNS-200 for<br>Grouping <sup>3</sup>  | N/A   |
| ACCESSORIES                                    | N/A   | N/A  | <input type="checkbox"/> TMC-SU-5E<br>Tile Mount Carrier<br><input type="checkbox"/> CBL-5E-CU4-30N<br>30 inch Sensor cable for<br>CU-4 and IoT Ready<br><input type="checkbox"/> CBL-5E-CU4-7F<br>7 Foot sensor cable for<br>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.  |