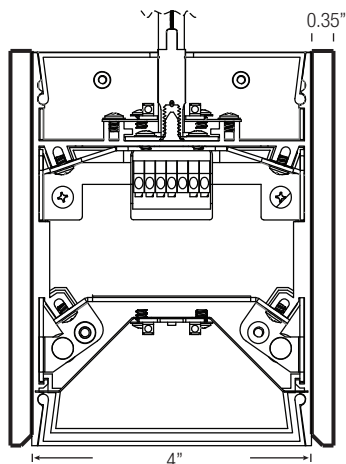
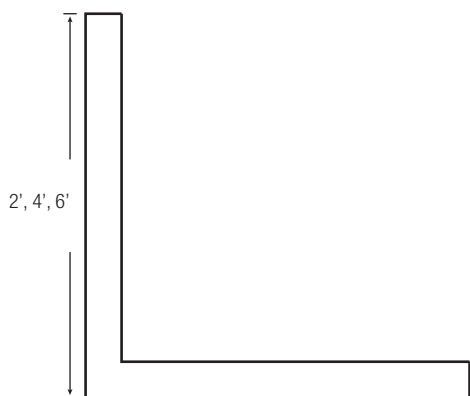
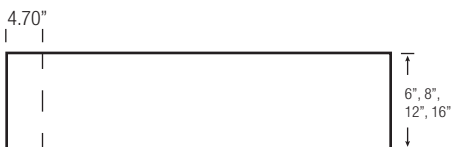
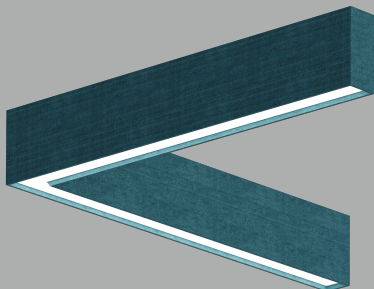




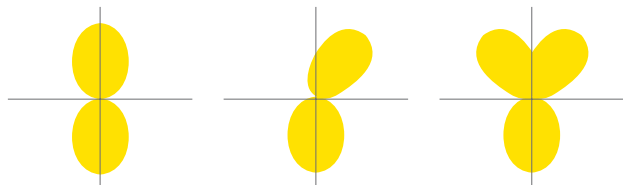
| DIRECT / INDIRECT |          |
|-------------------|----------|
| LUMENS/FT         | WATTS/FT |
| 2000              | 17.5     |
| 1500              | 12.7     |
| 1250              | 10.5     |
| 1000              | 8.2      |
| 750               | 6.5      |
| 500               | 4.5      |

#### DISTRIBUTION PATTERN

Direct/Indirect:  
Standard

Direct: Standard  
Indirect: Wall Wash

Direct: Standard  
Indirect: Batwing



#### FEATURES

Verse from our SoftSense collection offers an aesthetically pleasing source of illumination in various shapes, while providing the solution to high noise levels found in open, multi-functional spaces. The sound absorbing material consists of 9mm thick PET felt, with 50% post-consumer recycled content: a strong, durable and versatile product that is available in an array of colors. With the ability to create a multitude of configurations, the luminaire can also be paired with unlit units to complement applications such as corporate offices, educational, commercial, and retail spaces, leaving a long-lasting impression.

|                                  |                                                                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LUMENS PER FOOT                  | 500, 750, 1000, 1200, 1500, 2000 or Custom                                                                                                                              |
| 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                                                                                                                                                  |
| WIDTHS                           | 4"                                                                                                                                                                      |
| LENGTHS                          | 2', 4', 6'                                                                                                                                                              |
| HEIGHTS                          | 6", 8", 12", 16"                                                                                                                                                        |
| DISTRIBUTION PATTERNS            | Standard, Wall Wash, Batwing                                                                                                                                            |
| CONFIGURATION PATTERNS & LENGTHS | L                                                                                                                                                                       |
| MOUNTING                         | Suspended                                                                                                                                                               |
| MATERIAL COLORS                  | Refer to SoftSense Material Color Chart                                                                                                                                 |
| DIMMING & CONTROLS               | 0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, LUT2W, DIMST, ELD010.1, ELD0DMX.1, DALI.1                                                                         |
| EMERGENCY                        | 10W - Up to 1000L Output / 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) |
| LIFETIME                         | L70 at 83,000 Hours                                                                                                                                                     |
| PHOTOMETRIC TESTS                | In Accordance with IES LM79-08, LM80 and TM-30, TM-21                                                                                                                   |



### OPTICS & PERFORMANCE

Fabricated from 20-gauge aluminum, with mitered corners, and post-painted with 95% reflective premium paint. The optical system delivers high efficiency LED light that passes through a high quality acrylic lens for optimal distribution patterns, creating glare-free and even distributions, which includes Direct Downlight or Wall Wash with zero light leakage.

### CONSTRUCTION

One-piece rigid aluminum extrusion, made of T6063-T5 aluminum, with cast aluminum end caps. A precision cut, smooth white extruded frosted lens with snap in design attaches firmly into the grooves of the body and can be easily removed for access to the driver and LED boards.

### ACOUSTIC MATERIAL

Acoustic material is made from 100% polyethylene terephthalate (PET), with 50% post-consumer recycled material. PET is a moisture resistant green product with no added chemicals, binders, adhesives or dyes.

### OPTICAL ASSEMBLY

Reflector is fabricated from 20-gauge aluminum, and post-painted finish with 95% reflective premium paint. Wall Wash reflectors are positioned at an angle.

### DISTRIBUTION PATTERNS & DIFFUSER

**Standard Distribution** - Available for both up and down. A high-quality, smooth white frosted efficient acrylic lens is shipped standard for optimal distribution patterns, for most applications, and provides glare-free, even illumination.

**Wall Wash Distribution** - Illuminates from the ceiling down for uniform vertical illumination.

**Batwing Distribution** - Illuminates with a wide spread distribution for more energy efficiency and increased ceiling uniformity.

### SUPPORT CABLE / FEED

Standard suspension is conductive feed/suspension cable. The adjustable power cable comes in a standard 10' length. A 5-conductor cable is standard or a 6-conductor cable for emergency power. Field adjustable length. Max. support every 8 feet. For longer cable, please consult factory.

### CRM INSTALLATION

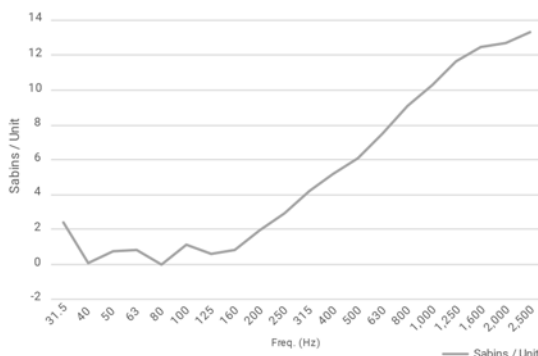
For continuous row mounting, the first luminaire in the row will always be the power supply feed. After plugging in the male and female harnesses, which are supplied with each luminaire, they will easily slide together, then secured with two screws from opposite directions in the connecting brackets.

### DRIVER ELECTRICAL INFORMATION

Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120-277V input, produce less than 20% THD, and have a power factor of .90 to 1.00. Male and female 18-gauge 6 wire plug connectors are included with every luminaire to allow for simple hassle-free continuous wiring, and each luminaire must be installed male to female.

### OPTIONS

Available without light source.



### 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.

 Dims to Warm with Smart Dimming Technology. At 100% full brightness the luminaire is at 3500K. When dimmed to 1%, the light transitions to 1800K, creating a warm ambiance within the space.

 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.

### 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 Forward Phase Control, 1% dimming in 120V only.

**LUTH** - Lutron LDE1 Hi-Lume Eco System. 1% dimming with Soft in 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

### WARRANTY

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

### LISTINGS

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

All LED luminaires are rated and tested to LM-79 and LM-80 standards by an independent laboratory.

**UL Listed for Damp location**

### MAINTENANCE

Acoustic material can be cleaned with a clean, soft, lint-free cloth or a vacuum.

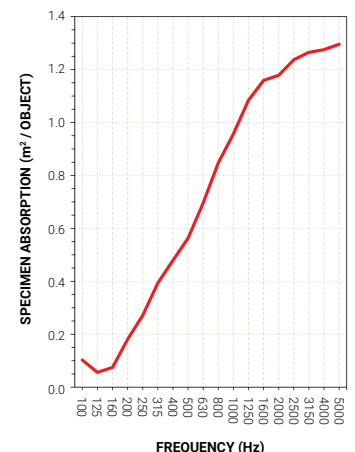
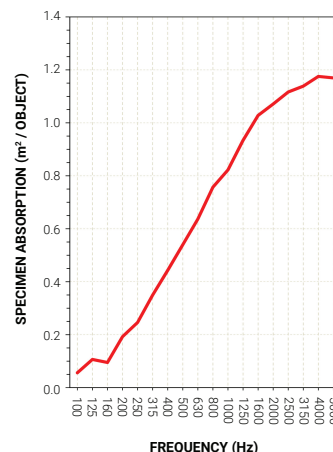
### SOUND ABSORPTION RESULTS (from left to right)

**A** - acoustic performance

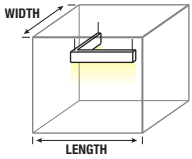
Felt Fixtures, alternating with / without light fixtures (8 units total)

**B** - spaced 12" on center

**C** - spaced 18" on center

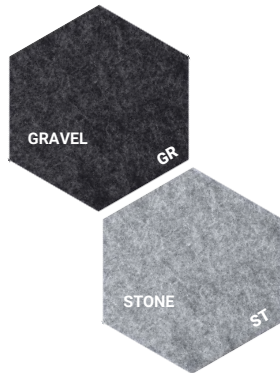


Example: **OLS-DI-VERSE-SOFT-L-4-46-12IN-D500L-U500L-1C-DIM10-MVOLT-35K-85-AP**

|                                                                                              |                       |                                                                                   |                                                                               |                                                                                                                                                                     |                                                                                                                                              |                                                                                                                                |                                               |                                               |                        |                                                                                                                                                                                                                                                                                                          |                                                                                                    |                                                                                                                                                          |  |  |  |  |  |
|----------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| <b>OLS-DI-VERSE-SOFT</b>                                                                     | <b>L</b>              | <b>4</b>                                                                          |                                                                               |                                                                                                                                                                     |                                                                                                                                              |                                                                                                                                |                                               |                                               |                        |                                                                                                                                                                                                                                                                                                          |                                                                                                    |                                                                                                                                                          |  |  |  |  |  |
| <b>SERIES</b><br>OLS-DI-VERSE-SOFT<br>SoftSense Suspended<br>Direct / Indirect LED Rectangle | <b>SHAPE</b><br>L - L | <b>WIDTH</b><br>4 - 4"                                                            | <b>2', 4', 6'</b>                                                             |                                                                                                                                                                     |                                                                                                                                              |                                                                                                                                |                                               |                                               |                        |                                                                                                                                                                                                                                                                                                          |                                                                                                    |                                                                                                                                                          |  |  |  |  |  |
|                                                                                              |                       |  |                                                                               |                                                                                                                                                                     |                                                                                                                                              |                                                                                                                                |                                               |                                               |                        |                                                                                                                                                                                                                                                                                                          |                                                                                                    |                                                                                                                                                          |  |  |  |  |  |
|                                                                                              |                       |                                                                                   | <b>HEIGHT</b><br>6IN - 6 in.<br>8IN - 8 in.<br>12IN - 12 in.<br>16IN - 16 in. | <b>DIRECT LUMENS</b><br>D500L - per ft.<br>D750L - per ft.<br>D1000L - per ft.<br>D1250L - per ft.<br>D1500L - per ft.<br>D2000L - per ft.<br>NLS - no light source | <b>INDIRECT LUMENS</b><br>U500L - per ft.<br>U750L - per ft.<br>U1000L - per ft.<br>U1250L - per ft.<br>U1500L - per ft.<br>U2000L - per ft. |                                                                                                                                |                                               |                                               |                        |                                                                                                                                                                                                                                                                                                          |                                                                                                    |                                                                                                                                                          |  |  |  |  |  |
|                                                                                              |                       |                                                                                   |                                                                               | <b>DISTRIBUTION</b><br>(blank) - Standard                                                                                                                           | <b>DISTRIBUTION</b><br>(blank) - Standard<br>WW - Wall Wash<br>BW - Batwing                                                                  |                                                                                                                                |                                               |                                               |                        |                                                                                                                                                                                                                                                                                                          |                                                                                                    |                                                                                                                                                          |  |  |  |  |  |
|                                                                                              |                       |                                                                                   |                                                                               |                                                                                                                                                                     |                                                                                                                                              | <b># OF CIRCUITS</b><br>1C<br>Up and Down Lights<br>Controlled Together<br>2C<br>Up and Down Lights<br>Controlled Individually |                                               |                                               |                        |                                                                                                                                                                                                                                                                                                          |                                                                                                    |                                                                                                                                                          |  |  |  |  |  |
|                                                                                              |                       |                                                                                   |                                                                               |                                                                                                                                                                     |                                                                                                                                              |                                                                                                                                | <b>VOLTAGE</b><br>120<br>277<br>MVOLT<br>347* |                                               |                        |                                                                                                                                                                                                                                                                                                          |                                                                                                    |                                                                                                                                                          |  |  |  |  |  |
|                                                                                              |                       |                                                                                   |                                                                               |                                                                                                                                                                     |                                                                                                                                              |                                                                                                                                |                                               | <b>CCT</b><br>27K<br>30K<br>35K<br>40K<br>50K | <b>CRI</b><br>85<br>90 |                                                                                                                                                                                                                                                                                                          |                                                                                                    |                                                                                                                                                          |  |  |  |  |  |
|                                                                                              |                       |                                                                                   |                                                                               |                                                                                                                                                                     |                                                                                                                                              |                                                                                                                                |                                               |                                               |                        | <b>COLOR</b><br>reference SoftSense<br>material color chart<br>example:<br>GR - Gravel<br>ST - Stone<br>SU - Sunshine<br>SB - Sky Blue<br>DT - Dark Teal<br>OR - Orange<br>NV - Navy<br>BL - Muted Blush<br>AP - Apple Green<br>PA - Passion<br>AB - Abyss<br>PU - Pure<br>AR - Army Green<br>PE - Pecan |                                                                                                    |                                                                                                                                                          |  |  |  |  |  |
|                                                                                              |                       |                                                                                   |                                                                               |                                                                                                                                                                     |                                                                                                                                              |                                                                                                                                |                                               |                                               |                        |                                                                                                                                                                                                                                                                                                          | <b>EMERGENCY</b><br>0-EMG-LED-10W<br>0-EMG-LED-20W<br>0-EMG-LED-G2-10W-SDT<br>0-EMG-LED-G2-20W-SDT |                                                                                                                                                          |  |  |  |  |  |
|                                                                                              |                       |                                                                                   |                                                                               |                                                                                                                                                                     |                                                                                                                                              |                                                                                                                                |                                               |                                               |                        |                                                                                                                                                                                                                                                                                                          |                                                                                                    | <b>OTHER OPTIONS</b><br>FBF - Internal Fast Blow Fuse<br>SBF - Internal Slow Blow Fuse<br>RIS - Radio Interf. Sensor<br>USA - Made in America Compliance |  |  |  |  |  |

<sup>1</sup> LUT2W available in 120V  
\* Consult Factory  
\* See last page for sensor options

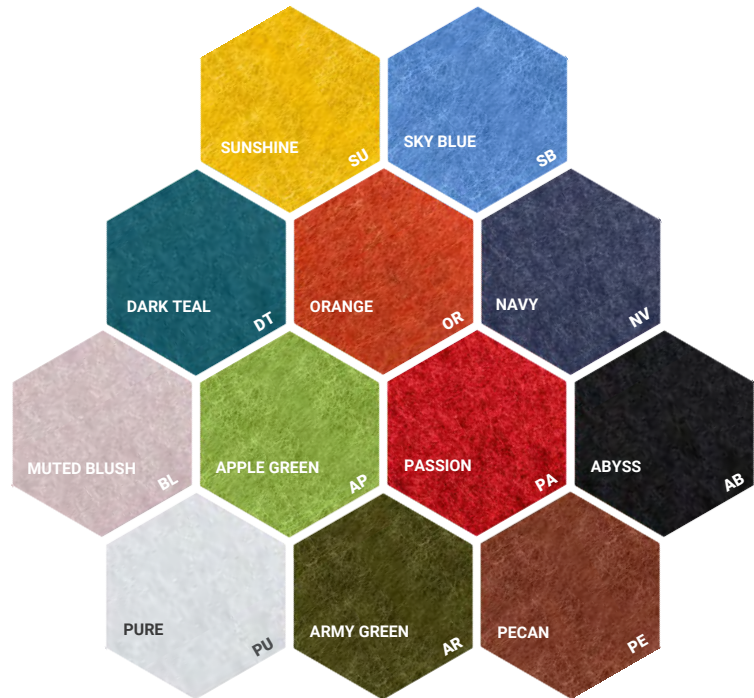
### QUICK SHIP COLORS



### CUSTOM COLORS

Please consult factory for lead time and pricing.

### STANDARD COLORS



**OLS-D-VERSE-SOFT-L-4-22-500L-DIM10-MVOLT-40K-85**

TEST NO.: **EL092213821**

INPUT WATTS: **10.3**

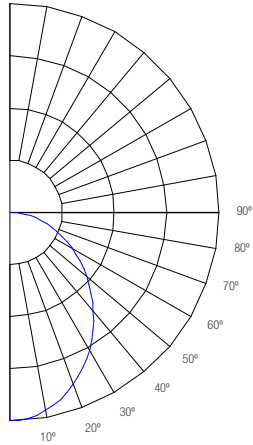
LUMENS: **1051**

CRI: **85**

EFFICACY: **102**

CCT: **4000K**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

| Zone     | Lumens  | %Lamp | %Fixt  |
|----------|---------|-------|--------|
| 0 - 30°  | 302.34  | NA    | 28.80  |
| 0 - 40°  | 484.59  | NA    | 46.10  |
| 0 - 60°  | 824.72  | NA    | 78.50  |
| 0 - 90°  | 1039.44 | NA    | 98.90  |
| 0 - 180° | 1050.79 | NA    | 100.00 |

**Luminance Data (cd/sq.m)**

| Angle In Degrees | Average 0° | Average 45° | Average 90° |
|------------------|------------|-------------|-------------|
| 45°              | 2557       | 2676        | 2819        |
| 55°              | 2343       | 2472        | 2630        |
| 65°              | 2142       | 2256        | 2433        |
| 75°              | 1947       | 2012        | 2118        |
| 85°              | 1926       | 1848        | 1839        |

**Candela Tabulation**

|    | 0   | 45  | 90  |
|----|-----|-----|-----|
| 0  | 404 | 404 | 404 |
| 5  | 401 | 400 | 401 |
| 15 | 376 | 379 | 382 |
| 25 | 333 | 340 | 347 |
| 35 | 279 | 289 | 300 |
| 45 | 222 | 232 | 245 |
| 55 | 165 | 174 | 185 |
| 65 | 111 | 117 | 126 |
| 75 | 62  | 64  | 67  |
| 85 | 21  | 20  | 20  |
| 90 | 5   | 3   | 1   |

**Spacing Criteria**

|          |      |
|----------|------|
| 0 - 180  | 1.16 |
| 90 - 270 | 1.20 |
| Diagonal | 1.30 |

**EFFICACY: 102 LM/W**

**Coefficients of Utilization - Zonal Cavity Method**  
Effective Floor Cavity Reflectance 20% = PF

| RC | 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 | 110 | 110 | 110 | 106 | 106 | 106 | 101 | 101 | 101 | 99  |    |
| 1  | 108 | 104 | 99  | 95  | 106 | 101 | 97  | 94  | 97  | 94  | 91  | 93  | 90  | 88  | 89  | 87  | 85  | 83  |    |
| 2  | 99  | 90  | 84  | 78  | 96  | 88  | 82  | 77  | 85  | 79  | 75  | 81  | 77  | 73  | 78  | 74  | 71  | 69  |    |
| 3  | 90  | 80  | 71  | 65  | 87  | 78  | 70  | 64  | 75  | 68  | 63  | 72  | 66  | 62  | 69  | 65  | 61  | 58  |    |
| 4  | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 52  | 50  |    |
| 5  | 76  | 63  | 54  | 48  | 74  | 62  | 54  | 47  | 60  | 52  | 47  | 58  | 51  | 46  | 56  | 50  | 46  | 43  |    |
| 6  | 70  | 57  | 48  | 42  | 68  | 56  | 48  | 42  | 54  | 47  | 41  | 52  | 46  | 41  | 51  | 45  | 40  | 38  |    |
| 7  | 65  | 52  | 43  | 37  | 63  | 51  | 43  | 37  | 49  | 42  | 36  | 48  | 41  | 36  | 46  | 40  | 36  | 34  |    |
| 8  | 61  | 47  | 39  | 33  | 59  | 47  | 39  | 33  | 45  | 38  | 33  | 44  | 37  | 32  | 43  | 37  | 32  | 30  |    |
| 9  | 57  | 44  | 35  | 30  | 55  | 43  | 35  | 30  | 42  | 35  | 30  | 40  | 34  | 29  | 39  | 33  | 29  | 27  |    |
| 10 | 53  | 40  | 32  | 27  | 52  | 40  | 32  | 27  | 39  | 32  | 27  | 38  | 31  | 27  | 37  | 31  | 27  | 25  |    |

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

**OLS-D-VERSE-SOFT-L-4-22-750L-DIM10-MVOLT-40K-85**

TEST NO.: **EL092212894**

INPUT WATTS: **14.4**

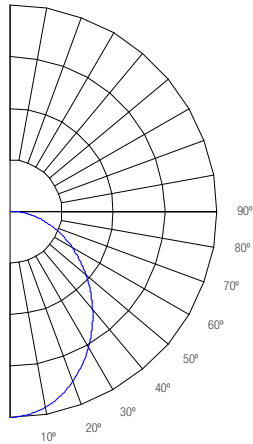
LUMENS: **1491**

CRI: **85**

EFFICACY: **104**

CCT: **4000K**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

| Zone     | Lumens  | %Lamp | %Fixt  |
|----------|---------|-------|--------|
| 0 - 30°  | 641.72  | NA    | 28.50  |
| 0 - 40°  | 1031.77 | NA    | 45.80  |
| 0 - 60°  | 1762.7  | NA    | 78.30  |
| 0 - 90°  | 2227.76 | NA    | 99.00  |
| 0 - 180° | 2251.18 | NA    | 100.00 |

**Luminance Data (cd/sq.m)**

| Angle In Degrees | Average 0° | Average 45° | Average 90° |
|------------------|------------|-------------|-------------|
| 45°              | 3999       | 3780        | 3599        |
| 55°              | 3760       | 3509        | 3305        |
| 65°              | 3527       | 3265        | 3062        |
| 75°              | 3177       | 2951        | 2781        |
| 85°              | 2964       | 2783        | 2661        |

**Candela Tabulation**

|    | 0   | 45  | 90  |
|----|-----|-----|-----|
| 0  | 567 | 567 | 567 |
| 5  | 563 | 562 | 562 |
| 15 | 537 | 532 | 528 |
| 25 | 489 | 478 | 468 |
| 35 | 424 | 407 | 393 |
| 45 | 347 | 328 | 312 |
| 55 | 265 | 247 | 233 |
| 65 | 183 | 169 | 159 |
| 75 | 101 | 94  | 88  |
| 85 | 32  | 30  | 28  |
| 90 | 4   | 5   | 5   |

**Spacing Criteria**

|          |      |
|----------|------|
| 0 - 180  | 1.22 |
| 90 - 270 | 1.16 |
| Diagonal | 1.30 |

**EFFICACY: 104 LM/W**

**Coefficients of Utilization - Zonal Cavity Method**  
Effective Floor Cavity Reflectance 20% = PF

| RC | 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 | 110 | 110 | 110 | 106 | 106 | 106 | 101 | 101 | 101 | 99  |    |
| 1  | 108 | 104 | 99  | 95  | 106 | 101 | 97  | 94  | 97  | 94  | 91  | 93  | 90  | 88  | 89  | 87  | 85  | 83  |    |
| 2  | 99  | 90  | 84  | 78  | 96  | 88  | 82  | 77  | 85  | 79  | 75  | 81  | 77  | 73  | 78  | 74  | 71  | 69  |    |
| 3  | 90  | 80  | 71  | 65  | 87  | 78  | 70  | 64  | 75  | 68  | 63  | 72  | 66  | 62  | 69  | 65  | 61  | 58  |    |
| 4  | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 52  | 50  |    |
| 5  | 76  | 63  | 54  | 48  | 74  | 62  | 54  | 47  | 60  | 52  | 47  | 58  | 51  | 46  | 56  | 50  | 46  | 43  |    |
| 6  | 70  | 57  | 48  | 42  | 68  | 56  | 48  | 42  | 54  | 47  | 41  | 52  | 46  | 41  | 51  | 45  | 40  | 38  |    |
| 7  | 65  | 52  | 43  | 37  | 63  | 51  | 43  | 37  | 49  | 42  | 36  | 48  | 41  | 36  | 46  | 40  | 36  | 34  |    |
| 8  | 61  | 47  | 39  | 33  | 59  | 47  | 39  | 33  | 45  | 38  | 33  | 44  | 37  | 32  | 43  | 37  | 32  | 30  |    |
| 9  | 57  | 44  | 35  | 30  | 55  | 43  | 35  | 30  | 42  | 35  | 30  | 40  | 34  | 29  | 39  | 33  | 29  | 27  |    |
| 10 | 53  | 40  | 32  | 27  | 52  | 40  | 32  | 27  | 39  | 32  | 27  | 38  | 31  | 27  | 37  | 31  | 27  | 25  |    |

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

**OLS-D-VERSE-SOFT-L-4-22-1000L-DIM10-MVOLT-40K-85**

TEST NO.: **EL09221981**

INPUT WATTS: **18.1**

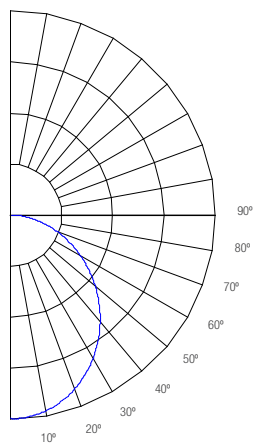
LUMENS: **2040**

CRI: **85**

EFFICACY: **113**

CCT: **4000K**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

| Zone     | Lumens  | %Lamp | %Fixt  |
|----------|---------|-------|--------|
| 0 - 30°  | 582.99  | NA    | 28.60  |
| 0 - 40°  | 934.97  | NA    | 45.80  |
| 0 - 60°  | 1597.07 | NA    | 78.30  |
| 0 - 90°  | 2018.58 | NA    | 99.00  |
| 0 - 180° | 2039.87 | NA    | 100.00 |

**Luminance Data (cd/sq.m)**

| Angle In Degrees | Average 0° | Average 45° | Average 90° |
|------------------|------------|-------------|-------------|
| 45°              | 5508       | 5189        | 4941        |
| 55°              | 5174       | 4812        | 4541        |
| 65°              | 4795       | 4422        | 4154        |
| 75°              | 4364       | 4042        | 3821        |
| 85°              | 4063       | 3810        | 3676        |

**Candela Tabulation**

|    | 0   | 45  | 90  |
|----|-----|-----|-----|
| 0  | 778 | 778 | 778 |
| 5  | 776 | 773 | 773 |
| 15 | 741 | 732 | 726 |
| 25 | 674 | 656 | 642 |
| 35 | 584 | 559 | 539 |
| 45 | 478 | 450 | 429 |
| 55 | 364 | 339 | 320 |
| 65 | 249 | 229 | 215 |
| 75 | 139 | 128 | 121 |
| 85 | 43  | 41  | 39  |
| 90 | 5   | 6   | 7   |

**Spacing Criteria**

|          |      |
|----------|------|
| 0 - 180  | 1.22 |
| 90 - 270 | 1.16 |
| Diagonal | 1.30 |

**EFFICACY: 113 LM/W**

**Coefficients of Utilization - Zonal Cavity Method**  
Effective Floor Cavity Reflectance 20% = PF

| RC | 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 | 110 | 110 | 110 | 106 | 106 | 106 | 101 | 101 | 101 | 99  |    |
| 1  | 108 | 104 | 99  | 95  | 106 | 101 | 97  | 94  | 97  | 94  | 91  | 93  | 90  | 88  | 89  | 87  | 85  | 83  |    |
| 2  | 99  | 90  | 84  | 78  | 96  | 88  | 82  | 77  | 85  | 79  | 75  | 81  | 77  | 73  | 78  | 74  | 71  | 69  |    |
| 3  | 90  | 80  | 71  | 65  | 87  | 78  | 70  | 64  | 75  | 68  | 63  | 72  | 66  | 62  | 69  | 65  | 61  | 58  |    |
| 4  | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 52  | 50  |    |
| 5  | 76  | 63  | 54  | 48  | 74  | 62  | 54  | 47  | 60  | 52  | 47  | 58  | 51  | 46  | 56  | 50  | 46  | 43  |    |
| 6  | 70  | 57  | 48  | 42  | 68  | 56  | 48  | 42  | 54  | 47  | 41  | 52  | 46  | 41  | 51  | 45  | 40  | 38  |    |
| 7  | 65  | 52  | 43  | 37  | 63  | 51  | 43  | 37  | 49  | 42  | 36  | 48  | 41  | 36  | 46  | 40  | 36  | 34  |    |
| 8  | 61  | 47  | 39  | 33  | 59  | 47  | 39  | 33  | 45  | 38  | 33  | 44  | 37  | 32  | 43  | 37  | 32  | 30  |    |
| 9  | 57  | 44  | 35  | 30  | 55  | 43  | 35  | 30  | 42  | 35  | 30  | 40  | 34  | 29  | 39  | 33  | 29  | 27  |    |
| 10 | 53  | 40  | 32  | 27  | 52  | 40  | 32  | 27  | 39  | 32  | 27  | 38  | 31  | 27  | 37  | 31  | 27  | 25  |    |

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance



1 Luminaire will be shipped with Powerpacks preinstalled, ready to be integrated to designated control systems

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                                   | ❑ LEDRU<br>LED Relay Zone<br>Controller 0-10V <sup>1</sup>           | ❑ FCJS-0-10<br>Lutron Vive 0-10V Individual<br>Control Models <sup>1,4</sup>                                                                                                                                        | ❑ CU-4E-FMH<br>Fixture Mount Control<br>Unit <sup>1,5</sup>                                                                                                                                                                                    | ❑ ZL027 -NOW<br>Intellect Power Control<br>Module <sup>1,6</sup>                                                                                                                                                               | ❑ EN-WCM2-ZB-DR<br>Wireless Control<br>Module <sup>1,7</sup>                                                                                                                                                                             | ❑ XITANIUM<br>SR LED DRIVER<br>The Philips<br>Advance Xitanium<br>SR LED driver <sup>1,8</sup> | ❑ LMFC-011 ON/<br>OFF/0-10V dimming<br>fixture controller <sup>1,9</sup>                                                        |
|                                                | ❑ LEDDU<br>LED Zone Controller<br>0-10V <sup>1</sup>                 | ❑ FCJS-ECO<br>Lutron Vive Eco-system<br>Individual Control Models <sup>1,4</sup>                                                                                                                                    |                                                                                                                                                                                                                                                | ❑ ZL027 -DLE<br>Intellect Power Control<br>Module <sup>1,6</sup>                                                                                                                                                               | ❑ EN- ALC-ZB-BK-DR<br>Wireless Area Lighting<br>Control Module <sup>1,7</sup>                                                                                                                                                            |                                                                                                | ❑ FS-PP-V2 FS-PP<br>Fixture Integrated<br>Sensor Power Pack <sup>1,9</sup>                                                      |
| INTEGRATED<br>OCCUPANCY&<br>DAYLIGHT<br>SENSOR | N/A                                                                  | ❑ DFCSJ-OEM-OCC<br>Clear Connect (RF) and<br>Occupancy/<br>Daylight Sensing <sup>2</sup>                                                                                                                            | ❑ SU-5E-IoT<br>IoT Node Micro Sensor<br>❑ SU-5E-CL<br>Connected Micro Sensor<br>❑ SU-5E-IL<br>Independent Micro Sensor<br>❑ SU-5S-H(IoT/CL/IL)<br>Surface Mount Sensor<br>(Must be Specified with CU-<br>4E-FMH Control Unit) <sup>2</sup>     | ❑ ZL00J -TOW<br>Intellect Intelligent<br>Fixture Control<br>System <sup>2</sup>                                                                                                                                                | ❑ EN-CLM-PIR-DD-ZB<br>SensiLUM™ Wireless<br>Integrated Sensor                                                                                                                                                                            | ❑ SNS200<br>SNS200 for<br>grouping <sup>2</sup>                                                | ❑ FD-301<br>Fixture integrated<br>Daylight Dimming<br>Sensor <sup>2</sup>                                                       |
|                                                |                                                                      |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                | ❑ ZL00J-DOW<br>Intellect Intelligent<br>Fixture Control<br>System <sup>2</sup>                                                                                                                                                 | ❑ ZBHA-<br>CLM-DIM-ENC<br>Connected Lighting<br>Module DIM <sup>2</sup>                                                                                                                                                                  | ❑ SNS300<br>SNS300 for<br>networks <sup>2</sup>                                                | ❑ FS-205<br>Fixture integrated<br>passive infrared<br>occupancy sensor <sup>2</sup>                                             |
| *WIRELESS<br>OCCUPANCY<br>SENSOR               | ❑ EOSCU-W-E0<br>Occupancy Sensor<br>- Ceiling Mounted <sup>3</sup>   | ❑ LRF2-OCR2B-P-WH<br>Ceiling mount 360°<br>,occupancy/vacancy sensor <sup>3</sup>                                                                                                                                   | N/A                                                                                                                                                                                                                                            | N/A                                                                                                                                                                                                                            | ❑ EN-SCPPH-<br>1500-ZB<br>Wireless Passive<br>Infrared Occupancy<br>and Photo Sensors <sup>3</sup>                                                                                                                                       | N/A                                                                                            | ❑ LMDC-100<br>Dual technology<br>PIR Ceiling Mount<br>Occupancy Sensor <sup>3</sup>                                             |
| *WIRELESS<br>DAYLIGHT<br>SENSOR                | ❑ ELLSU-W-E0<br>Light Level Sensor -<br>Ceiling Mounted <sup>3</sup> | ❑ LRF2-DCRB-WH<br>Ceiling-mount daylight<br>sensor <sup>3</sup>                                                                                                                                                     | N/A                                                                                                                                                                                                                                            | N/A                                                                                                                                                                                                                            | ❑ EN-SCPPH-<br>1500-ZB<br>Wireless Passive<br>Infrared Occupancy<br>and Photo Sensors <sup>3</sup>                                                                                                                                       | N/A                                                                                            | ❑ 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                                                                                                                                                                                                                 | ❑ SU-5E-IoT<br>IoT Node Micro Sensor<br>❑ SU-5E-CL<br>Connected Micro Sensor<br>❑ SU-5E-IL<br>Independent Micro Sensor<br>❑ SU-5S-H(IoT/CL/IL)<br>Surface Mount Sensor<br><br>(Must be specified with CU-<br>4E-FMH Control Unit) <sup>3</sup> | ❑ ZL00J -TOW<br>Intellect Intelligent<br>Fixture Control System<br><br>❑ ZL00J-DOW<br>Intellect Intelligent<br>Fixture Control System<br><br>(Must be specified with<br>ZL027-NOW and ZL00J-<br>DOW Control unit) <sup>3</sup> | ❑ EN-CLM-<br>PIR-DD-ZB<br>SensiLUM™ Wireless<br>Integrated Sensor<br><br>❑ ZBHA-<br>CLM-DIM-ENC<br>Connected Lighting<br>Module DIM<br><br>(Must be specified<br>with EN-WCM2-ZB-DR<br>or EN- ALC-ZB-BK-DR<br>Control Unit) <sup>3</sup> | ❑ SNS200-CMP<br>SNS-200 for<br>Grouping <sup>3</sup>                                           | N/A                                                                                                                             |
| ACCESSORIES                                    | N/A                                                                  | N/A                                                                                                                                                                                                                 | ❑ TMC-SU-5E<br>Tile Mount Carrier<br>❑ CBL-5E-CU4-30N<br>30 inch Sensor cable for<br>CU-4 and IoT Ready<br>❑ 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<br>compatible with LUTRON<br>LRF2-OCR2B-PWH Ceiling<br>mount 360deg occupancy/<br>vacancy sensor & LRF2-<br>DCRB-WH ceiling mount<br>daylight sensor. Sensors must<br>be orderd through Lutron | 5- Luminaire will be<br>compatible with ENLIGHTED<br>SU-5E-IoT, SU-5E-CL, SU-<br>5E-IL, SU-5SH, Sensors                                                                                                                                        | 6- Luminaire will<br>be compatible with<br>LEVITON I ntellect<br>APP & Keypad room<br>controller                                                                                                                               | 7- Luminaire will<br>be compatible with<br>EN-SCPPH-1500-ZB<br>Wireless passive<br>infrared occupancy<br>and photo sensor                                                                                                                | 8- Luminaire will<br>be compatible<br>with philips field<br>and wireless<br>switch             | 9- Luminaire will be<br>compatible with DLM<br>Room control system<br>LMPB-100. . Sensors<br>must be orderd<br>through Legrand. |