

# SLVT2-LK

LED UPGRADE KIT

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_

## FEATURES

- Reliable, uniform, glare free illumination
- Types II, III, IV, V and custom distributions
- 3000K, 4000K, 5000K CCT
- 0-10V dimming ready
- Integral surge suppression
- 15 standard powder coat finishes
- Upgrade Kits



## SPECIFICATIONS

### CONSTRUCTION

- All internal and external hardware are stainless steel
- Luminaire finish consists of a five stage pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder coat finish.
- Optical bezel finish matches the luminaire housing

### LED/OPTICS

- Molded silicone gasket ensures a weather-proof seal around each individual LED
- Features revolutionary individual LED optical control based on high performance TIR optical designs
- House Side Shield is available on Standard and Clear Lens options except any Type 5 distribution. House Side Shield is not available for any distribution using a Diffused Lens

### INSTALLATION

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious

personal injury.

### ELECTRICAL

- Luminaires shall have integral surge protection that shall be U.L. recognized and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J
- Drivers shall be U.L. recognized with an inrush current maximum of <20.0 Amps maximum at 230VAC
- Drivers shall not be compatible with current sourcing dimmers, consult factory for current list of known compatible dimming systems, approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV

### CERTIFICATIONS

- ETL listed under UL 1598 and CSA C22.2 No. 250.0-08 for wet locations

### WARRANTY

- See [HLI Standard Warranty](#) for additional information

## LARGENT™



### RELATED PRODUCTS

[SLVT2-LK](#)

[SLVT2 Install](#)

## HOUSING

| SLVT2-LK       |  | LED Quantity   |          | Housing |                            | Lumen output |                            | CCT/CRI |                               | Distribution |               | Finish |                           |
|----------------|--|----------------|----------|---------|----------------------------|--------------|----------------------------|---------|-------------------------------|--------------|---------------|--------|---------------------------|
| SLVT2-LK       | Largent Upgrade kit                      | 72L            | 72 LED   | L       | Existing Fixture with Lens | 285          | 450 mA Microcore Crossover | 5K7     | 5000K, 70 CRI                 | 1            | Type I        | AGN    | Antique Green             |
|                |  |                |          | NL      | Existing Fixture No Lens   | 335          | 335mA, 8500 Lumens         | 4K7     | 4000K, 70 CRI                 | 2            | Type II       | BL     | Black                     |
|                |  |                |          |         |                            | 430          | 700 mA Microcore Crossover | 3K7     | 3000K, 70 CRI                 | 3            | Type III      | BLT    | Matte Black               |
|                |  |                |          |         |                            | 500          | 500mA, 12,000 Lumens       | AMB     | Amber-595nm Peak <sup>1</sup> | 4W           | Type IV Wide  | CRT    | Corton                    |
|                |  |                |          |         |                            | 700          | 700mA, 16,000 Lumens       |         |                               | 5Q           | Type V Square | DB     | Dark Bronze               |
|                |  |                |          |         |                            |              |                            |         |                               | 5W           | Type V Wide   | DGN    | Dark Green                |
|                |  |                |          |         |                            |              |                            |         |                               |              |               | GT     | Graphite                  |
|                |  |                |          |         |                            |              |                            |         |                               |              |               | LG     | Light Gray                |
|                |  |                |          |         |                            |              |                            |         |                               |              |               | MAL    | Matte Aluminum            |
|                |  |                |          |         |                            |              |                            |         |                               |              |               | MDB    | Metallic Bronze           |
|                |  |                |          |         |                            |              |                            |         |                               |              |               | MG     | Medium Gray               |
|                |  |                |          |         |                            |              |                            |         |                               |              |               | TT     | Titanium                  |
|                |  |                |          |         |                            |              |                            |         |                               |              |               | VBU    | Verde Blue                |
|                |  |                |          |         |                            |              |                            |         |                               |              |               | WDB    | Weathered Blue            |
|                |  |                |          |         |                            |              |                            |         |                               |              |               | WH     | White                     |
|                |  |                |          |         |                            |              |                            |         |                               |              |               | CC     | Custom Color <sup>4</sup> |
| <b>Options</b> |  | <b>Voltage</b> |          |         |                            |              |                            |         |                               |              |               |        |                           |
| HS             | House Side Shield <sup>2</sup>           | UNV            | 120-277V |         |                            |              |                            |         |                               |              |               |        |                           |
| SCP            | Sensor Control Programmable <sup>3</sup> | 347            | 347V     |         |                            |              |                            |         |                               |              |               |        |                           |
|                |  | 480            | 480V     |         |                            |              |                            |         |                               |              |               |        |                           |

Notes:

- 1 Wild life friendly
- 2 House side Shield is available only with T1, T2, T3 and T4W distributions
- 3 SCP only available with no lens.
- 4 Consult factory

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_

**DELIVERED LUMENS**

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

| LED # | Drive Current | Lumen Package                   | Lens  | Distribution | 3000K 70CRI |            |      |       | 4000K 70CRI     |       |            |       | 5000K 70CRI |                 |       |            |       |       |                 |       |
|-------|---------------|---------------------------------|-------|--------------|-------------|------------|------|-------|-----------------|-------|------------|-------|-------------|-----------------|-------|------------|-------|-------|-----------------|-------|
|       |               |                                 |       |              | Lumen       | Bug Rating |      |       | Efficacy (Lm/W) | Lumen | Bug Rating |       |             | Efficacy (Lm/W) | Lumen | Bug Rating |       |       | Efficacy (Lm/W) |       |
|       |               |                                 |       |              |             |            |      |       |                 |       |            |       |             |                 |       |            |       |       |                 |       |
| 72    | 285           | 450mA<br>Microcore<br>Crossover | None  | 1            | 7624        | 1          | 0    | 1     | 119.9           | 7941  | 1          | 0     | 1           | 124.9           | 8199  | 1          | 0     | 1     | 128.9           |       |
|       |               |                                 |       | 2            | 7246        | 1          | 0    | 2     | 113.9           | 7548  | 1          | 0     | 2           | 118.7           | 7793  | 1          | 0     | 2     | 122.5           |       |
|       |               |                                 |       | 3            | 7191        | 1          | 0    | 2     | 113.1           | 7490  | 1          | 0     | 2           | 117.8           | 7734  | 1          | 0     | 2     | 121.6           |       |
|       |               |                                 |       | 4            | 7087        | 1          | 0    | 3     | 111.4           | 7382  | 1          | 0     | 3           | 116.1           | 7622  | 1          | 0     | 3     | 119.8           |       |
|       |               |                                 |       | 1-HS         | 4045        | 0          | 0    | 1     | 63.6            | 4213  | 0          | 0     | 1           | 66.2            | 4350  | 0          | 0     | 1     | 68.4            |       |
|       |               |                                 |       | 2-HS         | 3541        | 0          | 0    | 1     | 55.7            | 3689  | 0          | 0     | 1           | 58.0            | 3808  | 0          | 0     | 1     | 59.9            |       |
|       |               |                                 |       | 3-HS         | 3395        | 0          | 0    | 1     | 53.4            | 3536  | 0          | 0     | 1           | 55.6            | 3651  | 0          | 0     | 1     | 57.4            |       |
|       |               |                                 |       | 4-HS         | 3300        | 0          | 0    | 1     | 51.9            | 3438  | 0          | 0     | 1           | 54.0            | 3549  | 0          | 0     | 1     | 55.8            |       |
|       |               |                                 |       | 5Q           | 7369        | 2          | 0    | 1     | 115.9           | 7675  | 3          | 0     | 1           | 120.7           | 7925  | 3          | 0     | 1     | 124.6           |       |
|       |               |                                 |       | 5W           | 6863        | 3          | 0    | 1     | 107.9           | 7148  | 3          | 0     | 1           | 112.4           | 7380  | 3          | 0     | 1     | 116.0           |       |
|       |               |                                 |       | Clear        | 1-CL        | 6483       | 1    | 0     | 1               | 101.9 | 6752       | 1     | 0           | 1               | 106.2 | 6972       | 1     | 0     | 1               | 109.6 |
|       |               |                                 |       |              | 2-CL        | 6161       | 1    | 0     | 1               | 96.9  | 6417       | 1     | 0           | 1               | 100.9 | 6626       | 1     | 0     | 1               | 104.2 |
|       |               |                                 |       |              | 3-CL        | 6115       | 1    | 0     | 2               | 96.1  | 6369       | 1     | 0           | 2               | 100.1 | 6576       | 1     | 0     | 2               | 103.4 |
|       |               |                                 |       |              | 4-CL        | 6026       | 1    | 0     | 2               | 94.8  | 6277       | 1     | 0           | 2               | 98.7  | 6481       | 1     | 0     | 2               | 101.9 |
|       | 1-CL-HS       | 3439                            | 0     |              | 0           | 1          | 54.1 | 3582  | 0               | 0     | 1          | 56.3  | 3699        | 0               | 0     | 1          | 58.2  |       |                 |       |
|       | 2-CL-HS       | 3011                            | 0     |              | 0           | 1          | 47.3 | 3136  | 0               | 0     | 1          | 49.3  | 3238        | 0               | 0     | 1          | 50.9  |       |                 |       |
|       | 3-CL-HS       | 2886                            | 0     |              | 0           | 1          | 45.4 | 3006  | 0               | 0     | 1          | 47.3  | 3104        | 0               | 0     | 1          | 48.8  |       |                 |       |
|       | 4-CL-HS       | 2806                            | 0     |              | 0           | 1          | 44.1 | 2923  | 0               | 0     | 1          | 46.0  | 3018        | 0               | 0     | 1          | 47.5  |       |                 |       |
|       | 5Q-CL         | 6265                            | 2     |              | 0           | 1          | 98.5 | 6526  | 2               | 0     | 1          | 102.6 | 6738        | 2               | 0     | 1          | 105.9 |       |                 |       |
|       | 5W-CL         | 5835                            | 3     |              | 0           | 1          | 91.7 | 6078  | 3               | 0     | 1          | 95.6  | 6275        | 3               | 0     | 1          | 98.7  |       |                 |       |
|       | Diffused      | 3-DL                            | 4884  |              | 1           | 0          | 1    | 76.8  | 5087            | 1     | 0          | 1     | 80.0        | 5252            | 1     | 0          | 1     | 82.6  |                 |       |
|       |               | 5W-DL                           | 4660  |              | 2           | 0          | 1    | 73.3  | 4854            | 2     | 0          | 1     | 76.3        | 5012            | 2     | 0          | 1     | 78.8  |                 |       |
|       | 335           | 8500                            | None  |              | 1           | 8796       | 1    | 0     | 1               | 116.5 | 9162       | 1     | 0           | 1               | 121.4 | 9460       | 1     | 0     | 1               | 125.6 |
|       |               |                                 |       |              | 2           | 8360       | 2    | 0     | 2               | 110.7 | 8708       | 2     | 0           | 2               | 115.3 | 8991       | 2     | 0     | 2               | 119.1 |
|       |               |                                 |       | 3            | 8297        | 1          | 0    | 2     | 110.1           | 8642  | 2          | 0     | 2           | 115.0           | 8923  | 2          | 0     | 2     | 118.8           |       |
|       |               |                                 |       | 4            | 8177        | 1          | 0    | 3     | 108.3           | 8517  | 1          | 0     | 3           | 112.8           | 8794  | 1          | 0     | 3     | 116.4           |       |
|       |               |                                 |       | 1-HS         | 4667        | 0          | 0    | 1     | 61.8            | 4861  | 0          | 0     | 1           | 64.4            | 5019  | 0          | 0     | 1     | 66.9            |       |
|       |               |                                 |       | 2-HS         | 4086        | 0          | 0    | 1     | 54.1            | 4256  | 0          | 0     | 1           | 56.4            | 4394  | 0          | 0     | 1     | 58.4            |       |
| 3-HS  |               |                                 |       | 3917         | 0           | 0          | 1    | 51.9  | 4079            | 0     | 0          | 1     | 54.0        | 4212            | 0     | 0          | 1     | 56.1  |                 |       |
| 4-HS  |               |                                 |       | 3808         | 0           | 0          | 1    | 50.4  | 3966            | 0     | 0          | 1     | 52.5        | 4095            | 0     | 0          | 1     | 54.5  |                 |       |
| 5Q    |               |                                 |       | 8502         | 3           | 0          | 1    | 112.6 | 8855            | 3     | 0          | 1     | 117.3       | 9143            | 3     | 0          | 1     | 121.6 |                 |       |
| 5W    |               |                                 |       | 7918         | 3           | 0          | 2    | 104.9 | 8247            | 3     | 0          | 2     | 109.2       | 8515            | 3     | 0          | 2     | 113.0 |                 |       |
| Clear |               |                                 |       | 1-CL         | 7479        | 1          | 0    | 1     | 99.0            | 7790  | 1          | 0     | 1           | 103.2           | 8044  | 1          | 0     | 1     | 106.5           |       |
|       |               |                                 |       | 2-CL         | 7108        | 1          | 0    | 2     | 94.1            | 7404  | 1          | 0     | 2           | 98.0            | 7645  | 1          | 0     | 2     | 101.2           |       |
|       |               |                                 |       | 3-CL         | 7055        | 1          | 0    | 2     | 93.4            | 7348  | 1          | 0     | 2           | 97.3            | 7587  | 1          | 0     | 2     | 100.5           |       |
|       |               |                                 |       | 4-CL         | 6953        | 1          | 0    | 3     | 92.1            | 7242  | 1          | 0     | 3           | 95.9            | 7477  | 1          | 0     | 3     | 99.0            |       |
|       |               | 1-CL-HS                         | 3968  | 0            | 0           | 1          | 52.5 | 4133  | 0               | 0     | 1          | 54.7  | 4268        | 0               | 0     | 1          | 56.5  |       |                 |       |
|       |               | 2-CL-HS                         | 3474  | 0            | 0           | 1          | 46.0 | 3618  | 0               | 0     | 1          | 47.9  | 3736        | 0               | 0     | 1          | 49.5  |       |                 |       |
|       |               | 3-CL-HS                         | 3330  | 0            | 0           | 1          | 44.1 | 3469  | 0               | 0     | 1          | 45.9  | 3581        | 0               | 0     | 1          | 47.4  |       |                 |       |
|       |               | 4-CL-HS                         | 3238  | 0            | 0           | 1          | 42.9 | 3372  | 0               | 0     | 1          | 44.7  | 3482        | 0               | 0     | 1          | 46.1  |       |                 |       |
|       |               | 5Q-CL                           | 7229  | 2            | 0           | 1          | 95.7 | 7529  | 2               | 0     | 1          | 99.7  | 7774        | 3               | 0     | 1          | 102.9 |       |                 |       |
|       |               | 5W-CL                           | 6732  | 3            | 0           | 1          | 89.1 | 7012  | 3               | 0     | 1          | 92.9  | 7240        | 3               | 0     | 1          | 95.9  |       |                 |       |
|       |               | Diffused                        | 3-DL  | 5613         | 1           | 0          | 1    | 74.4  | 5847            | 2     | 0          | 1     | 77.5        | 6037            | 2     | 0          | 1     | 80.0  |                 |       |
|       |               |                                 | 5W-DL | 5397         | 2           | 0          | 1    | 71.5  | 5621            | 2     | 0          | 1     | 74.5        | 5804            | 2     | 0          | 1     | 77.0  |                 |       |

## DELIVERED LUMENS (CONTINUED)

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

| LED #    | Drive Current | Lumen Package                   | Lens  | Distribution | 3000K 70CRI |            |      |       | 4000K 70CRI     |       |            |      | 5000K 70CRI |                 |       |            |      |   |                 |       |
|----------|---------------|---------------------------------|-------|--------------|-------------|------------|------|-------|-----------------|-------|------------|------|-------------|-----------------|-------|------------|------|---|-----------------|-------|
|          |               |                                 |       |              | Lumen       | Bug Rating |      |       | Efficacy (Lm/W) | Lumen | Bug Rating |      |             | Efficacy (Lm/W) | Lumen | Bug Rating |      |   | Efficacy (Lm/W) |       |
|          |               |                                 |       |              |             |            |      |       |                 |       |            |      |             |                 |       |            |      |   |                 |       |
| 72       | 430           | 700mA<br>Microcore<br>Crossover | None  | 1            | 10936       | 1          | 0    | 1     | 112.5           | 11390 | 1          | 0    | 1           | 117.2           | 11761 | 1          | 0    | 1 | 121.0           |       |
|          |               |                                 |       | 2            | 10393       | 2          | 0    | 2     | 106.9           | 10826 | 2          | 0    | 2           | 111.4           | 11178 | 2          | 0    | 2 | 115.0           |       |
|          |               |                                 |       | 3            | 10315       | 2          | 0    | 2     | 106.1           | 10744 | 2          | 0    | 2           | 110.5           | 11093 | 2          | 0    | 3 | 114.1           |       |
|          |               |                                 |       | 4            | 10166       | 2          | 0    | 3     | 104.6           | 10588 | 2          | 0    | 3           | 108.9           | 10933 | 2          | 0    | 3 | 112.5           |       |
|          |               |                                 |       | 1-HS         | 5802        | 0          | 0    | 1     | 59.7            | 6043  | 0          | 0    | 1           | 62.2            | 6240  | 0          | 0    | 1 | 64.2            |       |
|          |               |                                 |       | 2-HS         | 5079        | 0          | 0    | 1     | 52.3            | 5291  | 0          | 0    | 1           | 54.4            | 5463  | 0          | 0    | 1 | 56.2            |       |
|          |               |                                 |       | 3-HS         | 4869        | 0          | 0    | 1     | 50.1            | 5071  | 0          | 0    | 1           | 52.2            | 5236  | 1          | 0    | 1 | 53.9            |       |
|          |               |                                 |       | 4-HS         | 4734        | 0          | 0    | 1     | 48.7            | 4931  | 1          | 0    | 1           | 50.7            | 5091  | 1          | 0    | 1 | 52.4            |       |
|          |               |                                 |       | 5Q           | 10569       | 3          | 0    | 1     | 108.7           | 11009 | 3          | 0    | 1           | 113.3           | 11367 | 3          | 0    | 1 | 116.9           |       |
|          |               |                                 |       | 5W           | 9843        | 3          | 0    | 2     | 101.3           | 10252 | 3          | 0    | 2           | 105.5           | 10586 | 3          | 0    | 2 | 108.9           |       |
|          |               |                                 |       | Clear        | 1-CL        | 9298       | 1    | 0     | 1               | 95.7  | 9685       | 1    | 0           | 1               | 99.6  | 10000      | 1    | 0 | 1               | 102.9 |
|          |               |                                 |       |              | 2-CL        | 8837       | 2    | 0     | 2               | 90.9  | 9205       | 2    | 0           | 2               | 94.7  | 9504       | 2    | 0 | 2               | 97.8  |
|          |               |                                 |       |              | 3-CL        | 8770       | 2    | 0     | 2               | 90.2  | 9135       | 2    | 0           | 2               | 94.0  | 9432       | 2    | 0 | 2               | 97.0  |
|          |               |                                 |       |              | 4-CL        | 8644       | 1    | 0     | 3               | 88.9  | 9003       | 1    | 0           | 3               | 92.6  | 9296       | 1    | 0 | 3               | 95.6  |
|          | 1-CL-HS       | 4933                            | 0     |              | 0           | 1          | 50.8 | 5138  | 0               | 0     | 1          | 52.9 | 5305        | 0               | 0     | 1          | 54.6 |   |                 |       |
|          | 2-CL-HS       | 4319                            | 0     |              | 0           | 1          | 44.4 | 4498  | 0               | 0     | 1          | 46.3 | 4645        | 0               | 0     | 1          | 47.8 |   |                 |       |
|          | 3-CL-HS       | 4140                            | 0     |              | 0           | 1          | 42.6 | 4312  | 0               | 0     | 1          | 44.4 | 4452        | 0               | 0     | 1          | 45.8 |   |                 |       |
|          | 4-CL-HS       | 4025                            | 0     |              | 0           | 1          | 41.4 | 4192  | 0               | 0     | 1          | 43.1 | 4329        | 0               | 0     | 1          | 44.5 |   |                 |       |
|          | 5Q-CL         | 8987                            | 3     |              | 0           | 1          | 92.5 | 9360  | 3               | 0     | 1          | 96.3 | 9665        | 3               | 0     | 1          | 99.4 |   |                 |       |
|          | 5W-CL         | 8369                            | 3     |              | 0           | 2          | 86.1 | 8717  | 3               | 0     | 2          | 89.7 | 9001        | 3               | 0     | 2          | 92.6 |   |                 |       |
|          | Diffused      | 3-DL                            | 7005  | 2            | 0           | 2          | 72.1 | 7296  | 2               | 0     | 2          | 75.1 | 7533        | 2               | 0     | 2          | 77.5 |   |                 |       |
|          |               | 5W-DL                           | 6684  | 2            | 0           | 1          | 68.8 | 6962  | 2               | 0     | 1          | 71.6 | 7189        | 2               | 0     | 1          | 74.0 |   |                 |       |
|          | 500           | 12000                           |       | None         | 1           | 12455      | 1    | 0     | 1               | 108.8 | 12973      | 1    | 0           | 1               | 113.3 | 13394      | 2    | 0 | 1               | 117.0 |
|          |               |                                 |       |              | 2           | 11837      | 2    | 0     | 2               | 103.4 | 12329      | 2    | 0           | 2               | 107.7 | 12730      | 2    | 0 | 2               | 111.2 |
|          |               |                                 |       |              | 3           | 11748      | 2    | 0     | 3               | 102.6 | 12236      | 2    | 0           | 3               | 106.9 | 12634      | 2    | 0 | 3               | 110.4 |
|          |               |                                 |       |              | 4           | 11578      | 2    | 0     | 3               | 101.2 | 12059      | 2    | 0           | 3               | 105.4 | 12451      | 2    | 0 | 3               | 108.8 |
|          |               |                                 |       |              | 1-HS        | 6608       | 0    | 0     | 1               | 57.7  | 6883       | 0    | 0           | 1               | 60.1  | 7106       | 0    | 0 | 1               | 62.1  |
|          |               |                                 |       |              | 2-HS        | 5785       | 1    | 0     | 1               | 50.5  | 6026       | 1    | 0           | 1               | 52.6  | 6221       | 1    | 0 | 1               | 54.4  |
| 3-HS     |               |                                 |       |              | 5545        | 1          | 0    | 1     | 48.4            | 5776  | 1          | 0    | 1           | 50.5            | 5964  | 1          | 0    | 1 | 52.1            |       |
| 4-HS     |               |                                 |       |              | 5391        | 1          | 0    | 1     | 47.1            | 5615  | 1          | 0    | 2           | 49.1            | 5798  | 1          | 0    | 2 | 50.7            |       |
| 5Q       |               |                                 |       |              | 12037       | 3          | 0    | 1     | 105.2           | 12538 | 3          | 0    | 1           | 109.5           | 12945 | 3          | 0    | 1 | 113.1           |       |
| 5W       |               |                                 |       |              | 11210       | 4          | 0    | 2     | 97.9            | 11677 | 4          | 0    | 2           | 102.0           | 12056 | 4          | 0    | 2 | 105.3           |       |
| Clear    |               |                                 |       |              | 1-CL        | 10590      | 1    | 0     | 1               | 92.5  | 11030      | 1    | 0           | 1               | 96.4  | 11389      | 1    | 0 | 1               | 99.5  |
|          |               |                                 |       |              | 2-CL        | 10065      | 2    | 0     | 2               | 87.9  | 10483      | 2    | 0           | 2               | 91.6  | 10824      | 2    | 0 | 2               | 94.6  |
|          |               |                                 |       |              | 3-CL        | 9989       | 2    | 0     | 2               | 87.3  | 10404      | 2    | 0           | 2               | 90.9  | 10742      | 2    | 0 | 2               | 93.9  |
|          |               |                                 |       |              | 4-CL        | 9844       | 2    | 0     | 3               | 86.0  | 10254      | 2    | 0           | 3               | 89.6  | 10587      | 2    | 0 | 3               | 92.5  |
|          |               | 1-CL-HS                         | 5618  | 0            | 0           | 1          | 49.1 | 5852  | 0               | 0     | 1          | 51.1 | 6042        | 0               | 0     | 1          | 52.8 |   |                 |       |
|          |               | 2-CL-HS                         | 4919  | 0            | 0           | 1          | 43.0 | 5123  | 0               | 0     | 1          | 44.8 | 5290        | 0               | 0     | 1          | 46.2 |   |                 |       |
|          |               | 3-CL-HS                         | 4715  | 0            | 0           | 1          | 41.2 | 4911  | 0               | 0     | 1          | 42.9 | 5071        | 0               | 0     | 1          | 44.3 |   |                 |       |
|          |               | 4-CL-HS                         | 4584  | 0            | 0           | 1          | 40.0 | 4775  | 1               | 0     | 1          | 41.7 | 4930        | 1               | 0     | 1          | 43.1 |   |                 |       |
|          |               | 5Q-CL                           | 10235 | 3            | 0           | 1          | 89.4 | 10661 | 3               | 0     | 1          | 93.1 | 11007       | 3               | 0     | 1          | 96.2 |   |                 |       |
|          |               | 5W-CL                           | 9532  | 3            | 0           | 2          | 83.3 | 9928  | 3               | 0     | 2          | 86.7 | 10251       | 3               | 0     | 2          | 89.6 |   |                 |       |
| Diffused |               | 3-DL                            | 7978  | 2            | 0           | 2          | 69.7 | 8309  | 2               | 0     | 2          | 72.6 | 8580        | 2               | 0     | 2          | 75.0 |   |                 |       |
|          |               | 5W-DL                           | 7613  | 2            | 0           | 1          | 66.5 | 7930  | 3               | 0     | 2          | 69.3 | 8187        | 3               | 0     | 2          | 71.5 |   |                 |       |

**DELIVERED LUMENS (CONTINUED)**

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

| LED # | Drive Current | Lumen Package | Lens     | Distribution | 3000K 70CRI |            |   |   | 4000K 70CRI     |       |            |   | 5000K 70CRI |                 |       |            |   |   |                 |
|-------|---------------|---------------|----------|--------------|-------------|------------|---|---|-----------------|-------|------------|---|-------------|-----------------|-------|------------|---|---|-----------------|
|       |               |               |          |              | Lumen       | Bug Rating |   |   | Efficacy (Lm/W) | Lumen | Bug Rating |   |             | Efficacy (Lm/W) | Lumen | Bug Rating |   |   | Efficacy (Lm/W) |
|       |               |               |          |              |             |            |   |   |                 |       |            |   |             |                 |       |            |   |   |                 |
| 72    | 700           | 16000         | None     | 1            | 16349       | 2          | 0 | 2 | 102.9           | 17028 | 2          | 0 | 2           | 107.2           | 17582 | 2          | 0 | 2 | 110.7           |
|       |               |               |          | 2            | 15538       | 2          | 0 | 2 | 97.8            | 16184 | 3          | 0 | 3           | 101.9           | 16710 | 3          | 0 | 3 | 105.2           |
|       |               |               |          | 3            | 15421       | 2          | 0 | 3 | 97.1            | 16062 | 2          | 0 | 3           | 101.1           | 16584 | 2          | 0 | 3 | 104.4           |
|       |               |               |          | 4            | 15198       | 2          | 0 | 4 | 95.7            | 15830 | 2          | 0 | 4           | 99.6            | 16344 | 2          | 0 | 4 | 102.9           |
|       |               |               |          | 1-HS         | 8674        | 1          | 0 | 1 | 54.6            | 9034  | 1          | 0 | 1           | 56.9            | 9328  | 1          | 0 | 1 | 58.7            |
|       |               |               |          | 2-HS         | 7594        | 1          | 0 | 1 | 47.8            | 7909  | 1          | 0 | 1           | 49.8            | 8167  | 1          | 0 | 1 | 51.4            |
|       |               |               |          | 3-HS         | 7279        | 1          | 0 | 2 | 45.8            | 7582  | 1          | 0 | 2           | 47.7            | 7828  | 1          | 0 | 2 | 49.3            |
|       |               |               |          | 4-HS         | 7077        | 1          | 0 | 2 | 44.5            | 7371  | 1          | 0 | 2           | 46.4            | 7611  | 1          | 0 | 2 | 47.9            |
|       |               |               |          | 5Q           | 15801       | 4          | 0 | 2 | 99.5            | 16458 | 4          | 0 | 2           | 103.6           | 16993 | 4          | 0 | 2 | 107.0           |
|       |               |               |          | 5W           | 14715       | 4          | 0 | 2 | 92.6            | 15327 | 4          | 0 | 2           | 96.5            | 15826 | 4          | 0 | 2 | 99.6            |
|       |               |               | Clear    | 1-CL         | 13901       | 2          | 0 | 1 | 87.5            | 14479 | 2          | 0 | 2           | 91.1            | 14950 | 2          | 0 | 2 | 94.1            |
|       |               |               |          | 2-CL         | 13212       | 2          | 0 | 2 | 83.2            | 13761 | 2          | 0 | 2           | 86.6            | 14208 | 2          | 0 | 2 | 89.4            |
|       |               |               |          | 3-CL         | 13112       | 2          | 0 | 3 | 82.5            | 13657 | 2          | 0 | 3           | 86.0            | 14101 | 2          | 0 | 3 | 88.8            |
|       |               |               |          | 4-CL         | 12922       | 2          | 0 | 3 | 81.3            | 13459 | 2          | 0 | 3           | 84.7            | 13897 | 2          | 0 | 3 | 87.5            |
|       |               |               |          | 1-CL-HS      | 7375        | 0          | 0 | 1 | 46.4            | 7682  | 0          | 0 | 1           | 48.4            | 7931  | 1          | 0 | 1 | 49.9            |
|       |               |               |          | 2-CL-HS      | 6457        | 1          | 0 | 1 | 40.6            | 6725  | 1          | 0 | 1           | 42.3            | 6944  | 1          | 0 | 1 | 43.7            |
|       |               |               |          | 3-CL-HS      | 6189        | 1          | 0 | 1 | 39.0            | 6447  | 1          | 0 | 1           | 40.6            | 6656  | 1          | 0 | 2 | 41.9            |
|       |               |               |          | 4-CL-HS      | 6017        | 1          | 0 | 2 | 37.9            | 6268  | 1          | 0 | 2           | 39.5            | 6471  | 1          | 0 | 2 | 40.7            |
|       |               |               | Diffused | 5Q-CL        | 13435       | 3          | 0 | 1 | 84.6            | 13994 | 3          | 0 | 2           | 88.1            | 14449 | 3          | 0 | 2 | 90.9            |
|       |               |               |          | 5W-CL        | 12512       | 4          | 0 | 2 | 78.8            | 13032 | 4          | 0 | 2           | 82.0            | 13456 | 4          | 0 | 2 | 84.7            |
|       |               |               |          | 3-DL         | 10472       | 2          | 0 | 2 | 65.9            | 10907 | 2          | 0 | 2           | 68.7            | 11262 | 2          | 0 | 2 | 70.9            |
|       |               |               |          | 5W-DL        | 9993        | 3          | 0 | 2 | 62.9            | 10409 | 3          | 0 | 2           | 65.5            | 10747 | 3          | 0 | 2 | 67.6            |

**PHOTOMETRY**

**SLVT2-72L-700-4K7-1**

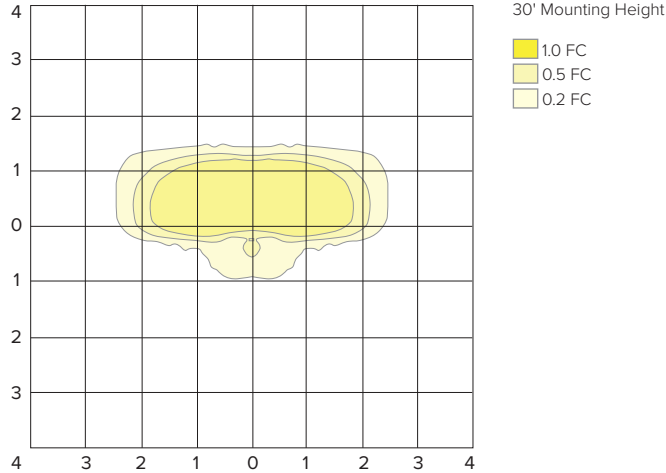
**LUMINAIRE DATA**

|                  |                    |
|------------------|--------------------|
| Description      | 4000 Kelvin, 70CRI |
| Delivered Lumens | 17028              |
| Watts            | 158.9              |
| Efficacy         | 107.2              |
| IES Type         | I                  |
| BUG Rating       | B2-U0-G2           |
| Mounting Height  | 30 ft              |
| Grid Scale       | 30 ft              |

**ZONAL LUMEN SUMMARY**

| Zone                 | Lumens | % Luminaire |
|----------------------|--------|-------------|
| Downward Street Side | 14666  | 86%         |
| Downward House Side  | 2362   | 14%         |
| Downward Total       | 17028  | 100%        |
| Upward Street Side   | 0      | 0%          |
| Upward House Side    | 0      | 0%          |
| Upward Total         | 0      | 0%          |
| Total Flux           | 17028  | 100%        |

**ISOFOOT CANDLE PLOT**



**SLVT2-72L-700-4K7-2**

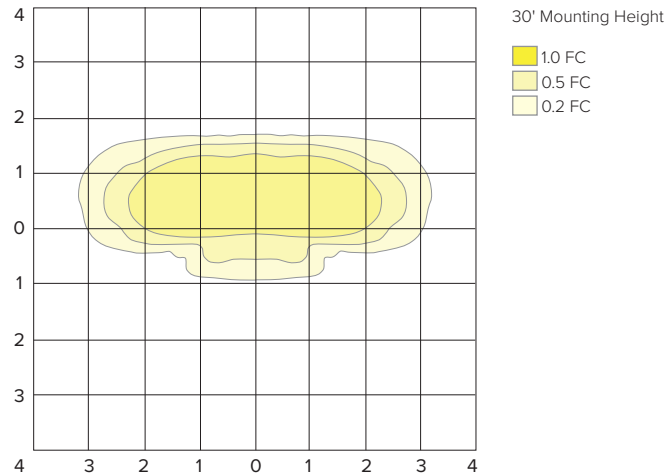
**LUMINAIRE DATA**

|                  |                    |
|------------------|--------------------|
| Description      | 4000 Kelvin, 70CRI |
| Delivered Lumens | 16184              |
| Watts            | 158.9              |
| Efficacy         | 101.9              |
| IES Type         | II                 |
| BUG Rating       | B3-U0-G3           |
| Mounting Height  | 30 ft              |
| Grid Scale       | 30 ft              |

**ZONAL LUMEN SUMMARY**

| Zone                 | Lumens | % Luminaire |
|----------------------|--------|-------------|
| Downward Street Side | 13166  | 81%         |
| Downward House Side  | 3018   | 19%         |
| Downward Total       | 16184  | 100%        |
| Upward Street Side   | 0      | 0%          |
| Upward House Side    | 0      | 0%          |
| Upward Total         | 0      | 0%          |
| Total Flux           | 16184  | 100%        |

**ISOFOOT CANDLE PLOT**



**SLVT2-72L-700-4K7-3**

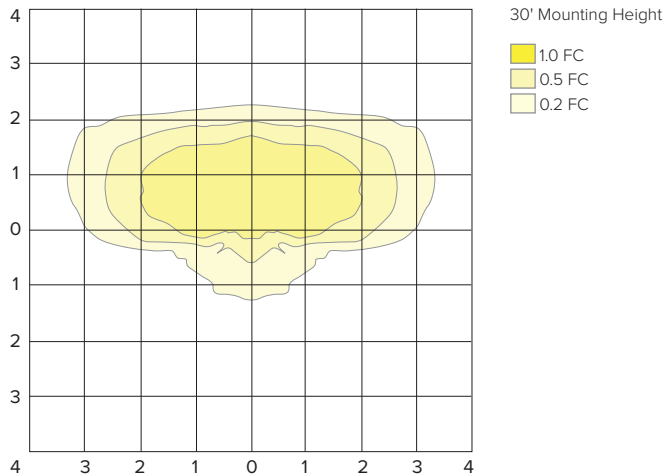
**LUMINAIRE DATA**

|                  |                    |
|------------------|--------------------|
| Description      | 4000 Kelvin, 70CRI |
| Delivered Lumens | 16062              |
| Watts            | 158.9              |
| Efficacy         | 101.1              |
| IES Type         | III                |
| BUG Rating       | B2-U0-G3           |
| Mounting Height  | 30 ft              |
| Grid Scale       | 30 ft              |

**ZONAL LUMEN SUMMARY**

| Zone                 | Lumens | % Luminaire |
|----------------------|--------|-------------|
| Downward Street Side | 13411  | 83%         |
| Downward House Side  | 2651   | 17%         |
| Downward Total       | 16062  | 100%        |
| Upward Street Side   | 0      | 0%          |
| Upward House Side    | 0      | 0%          |
| Upward Total         | 0      | 0%          |
| Total Flux           | 16062  | 100%        |

**ISOFOOT CANDLE PLOT**



**PHOTOMETRY**

**SLVT2-72L-700-4K7-4W**

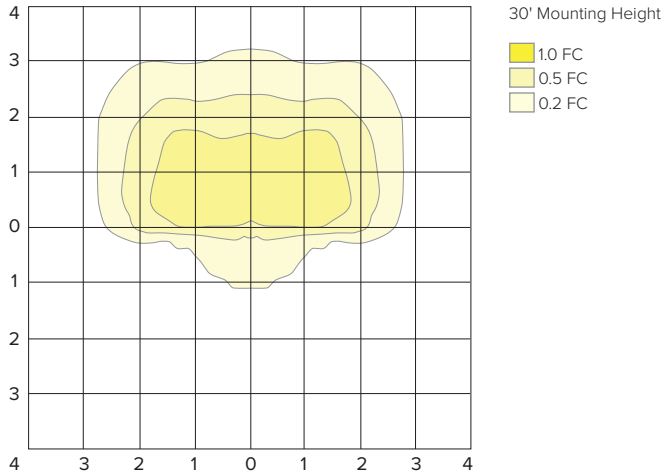
**LUMINAIRE DATA**

|                  |                    |
|------------------|--------------------|
| Description      | 4000 Kelvin, 70CRI |
| Delivered Lumens | 15830              |
| Watts            | 158.9              |
| Efficacy         | 99.6               |
| IES Type         | IV                 |
| BUG Rating       | B2-U0-G4           |
| Mounting Height  | 30 ft              |
| Grid Scale       | 30 ft              |

**ZONAL LUMEN SUMMARY**

| Zone                 | Lumens | % Luminaire |
|----------------------|--------|-------------|
| Downward Street Side | 13680  | 86%         |
| Downward House Side  | 2150   | 14%         |
| Downward Total       | 15830  | 100%        |
| Upward Street Side   | 0      | 0%          |
| Upward House Side    | 0      | 0%          |
| Upward Total         | 0      | 0%          |
| Total Flux           | 15830  | 100%        |

**ISOFOOT CANDLE PLOT**



**SLVT2-72L-700-4K7-5Q**

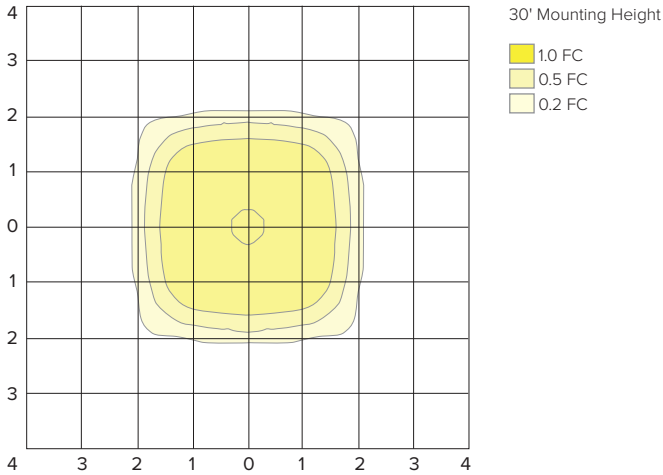
**LUMINAIRE DATA**

|                  |                    |
|------------------|--------------------|
| Description      | 4000 Kelvin, 70CRI |
| Delivered Lumens | 16458              |
| Watts            | 158.9              |
| Efficacy         | 103.6              |
| IES Type         | VS                 |
| BUG Rating       | B4-U0-G2           |
| Mounting Height  | 30 ft              |
| Grid Scale       | 30 ft              |

**ZONAL LUMEN SUMMARY**

| Zone                 | Lumens | % Luminaire |
|----------------------|--------|-------------|
| Downward Street Side | 8229   | 50%         |
| Downward House Side  | 8229   | 50%         |
| Downward Total       | 16458  | 100%        |
| Upward Street Side   | 0      | 0%          |
| Upward House Side    | 0      | 0%          |
| Upward Total         | 0      | 0%          |
| Total Flux           | 16458  | 100%        |

**ISOFOOT CANDLE PLOT**



**SLVT2-72L-700-4K7-5W**

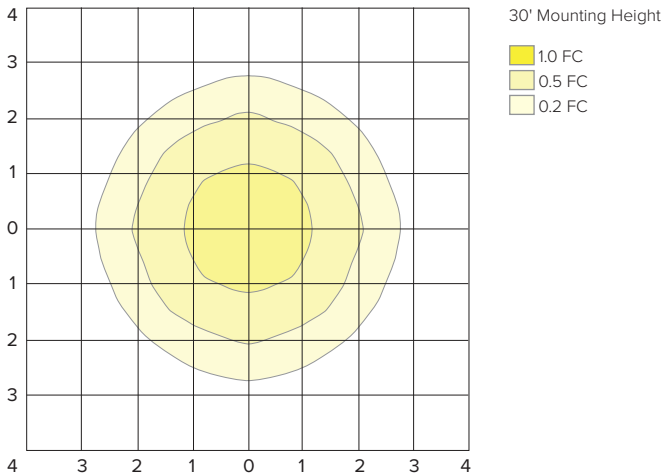
**LUMINAIRE DATA**

|                  |                    |
|------------------|--------------------|
| Description      | 4000 Kelvin, 70CRI |
| Delivered Lumens | 15327              |
| Watts            | 158.9              |
| Efficacy         | 96.5               |
| IES Type         | VS                 |
| BUG Rating       | B4-U0-G2           |
| Mounting Height  | 30 ft              |
| Grid Scale       | 30 ft              |

**ZONAL LUMEN SUMMARY**

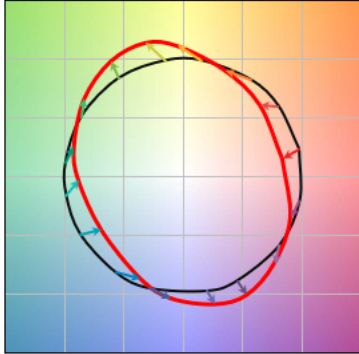
| Zone                 | Lumens | % Luminaire |
|----------------------|--------|-------------|
| Downward Street Side | 7664   | 50%         |
| Downward House Side  | 7664   | 50%         |
| Downward Total       | 15327  | 100%        |
| Upward Street Side   | 0      | 0%          |
| Upward House Side    | 0      | 0%          |
| Upward Total         | 0      | 0%          |
| Total Flux           | 15327  | 100%        |

**ISOFOOT CANDLE PLOT**



**TM-30 DATA**

**COLOR VECTOR GRAPHIC**

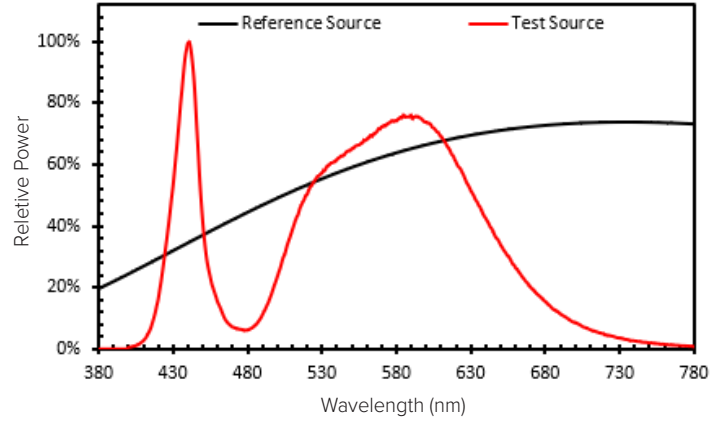


— Reference Illuminant — Test Source

**TEST SOURCE**

| MBM TEST RESULTS |        |
|------------------|--------|
| CCT (K)          | 3947   |
| CIE Ra           | 72     |
| Duv              | 0.0004 |
| x                | 0.3831 |
| y                | 0.3793 |
| Rf               | 68     |
| Rg               | 99     |

**SPECTRAL POWER DISTRIBUTION COMPARISON**



**ELECTRICAL DATA**

| System Current | System Watts | Electrical   |       |         |      |      |      |      |      | Dimming           |             |               |                             |     |                                     |     |
|----------------|--------------|--------------|-------|---------|------|------|------|------|------|-------------------|-------------|---------------|-----------------------------|-----|-------------------------------------|-----|
|                |              | Line Voltage |       | Amps AC |      |      |      |      |      | Min. Power Factor | Max THD (%) | Dimming Range | Source current out of 0-10V |     | Absolute voltage range on 0-10V (+) |     |
|                |              | VAC          | HZ    | 120     | 208  | 240  | 277  | 347  | 480  |                   |             |               | Min                         | Max | Min                                 | Max |
| 285 mA         | 63.6         | 120-277      | 50/60 | 0.53    | 0.31 | 0.27 | 0.23 | 0.18 | 0.13 | >0.9              | 20          | 10% to 100%   | 0mA                         | 1mA | 0V                                  | 10V |
| 335 mA         | 75.5         |              |       | 0.63    | 0.36 | 0.31 | 0.27 | 0.22 | 0.16 |                   |             |               |                             |     |                                     |     |
| 430 mA         | 97.2         |              |       | 0.81    | 0.47 | 0.41 | 0.35 | 0.28 | 0.20 |                   |             |               |                             |     |                                     |     |
| 500 mA         | 114.5        |              |       | 0.95    | 0.55 | 0.48 | 0.41 | 0.33 | 0.24 |                   |             |               |                             |     |                                     |     |
| 700 mA         | 158.9        |              |       | 1.32    | 0.76 | 0.66 | 0.57 | 0.46 | 0.33 |                   |             |               |                             |     |                                     |     |

| AMBER MULTIPLIER |            |
|------------------|------------|
| CCT              | MULTIPLIER |
| 5000K            | 1          |
| AM               | 0.1727     |

| 2700K MULTIPLIER |            |
|------------------|------------|
| CCT              | MULTIPLIER |
| 5000K            | 1          |
| 2700K            | 0.897      |

| LENS OPTION MULTIPLIER |               |
|------------------------|---------------|
| CLEAR LENS             | DIFFUSED LENS |
| 0.8502                 | 0.6791        |