

## FEATURES

- Reliable, uniform, glare free illumination
- Type 2, 3, 4, 5 distributions
- 3000K, 4000K, 5000K CCT
- Integral surge suppression
- IP66 optics



## SPECIFICATIONS

### OPTICAL MODULE

- Light emitting diode (LED) assembly shall be sealed to a die-cast anodized aluminum heat sink with an injection molded silicone rubber gasket and stainless steel bezel, IP66.
- LED optics shall be injection molded PMMA acrylic and be mounted to a metal printed circuit board with a uniform conformal coating over the panel surface and electrical features

### INSTALLATION

- Existing luminaires shall be required to be taken down for disassembly of outer lens, optics and ballast.
- Estimated time for installation of the upgrade kit into an existing luminaire is 25 minutes
- The electrical assembly shall be mounted to a prewired internal service tray and accessed by releasing the service latch to allow the fixture to hinge open into a service position

### ELECTRICAL

- Upgrade kits shall accept 120 thru 277 50/60Hz input voltage have integral surge protection
- Existing luminaires may not have 0-10V control leads in place prior to the upgrade kit, consult factory for dimming and control solutions
- Drivers shall be U.L. recognized, have a minimum starting temperature of -30°C and have a 0-10v dimming interface with a dimming range of 10- 100%
- Drivers shall have a power factor  $\geq 90$  and THD of  $\leq 20\%$  at full load 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
- LifeShield™ shall be provided with all configurations for added protection in the event of abnormally excessively high ambient temperature conditions

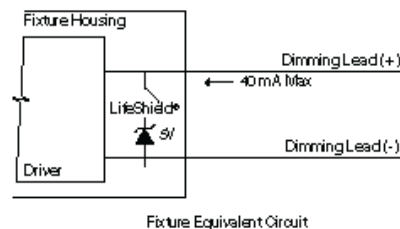
## Spectra



Spectra Large Scale Upgrade Kit

### ELECTRICAL (CONTINUED)

- Surge protector 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



### CERTIFICATIONS

- Upgrade kits shall be listed with ETL for outdoor, wet location use, UL1598, UL 8750 and Canadian CSA Std. C22.2 no.250. IP65

### WARRANTY

- 5 year warranty

## ORDERING GUIDE

CATALOG #

Example: SP1-Y2-36LED-4K-550

| Upgrade Kit                       | Optical System  | Color Temperature              | Driver                            |
|-----------------------------------|-----------------|--------------------------------|-----------------------------------|
| SP1-LK Spectra 32 LED upgrade kit | Y2-32LED Type 2 | 3K Warm White, 3000K output    | 120 thru 277 volt                 |
|                                   | Y3-32LED Type 3 | 4K Neutral White, 4000K output | 550 450mA drive current, 57 watts |
|                                   | Y4-32LED Type 4 | 5K Bright White, 5000K output  |                                   |
|                                   | Y5-32LED Type 5 |                                |                                   |

## DELIVERED LUMENS

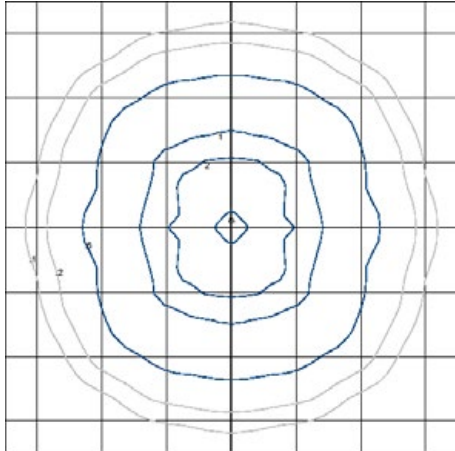
### PERFORMANCE DATA (32 LEDS, 550 mA DRIVE CURRENT, 57 WATTS)

| Type | Distribution     | 3000K 70CRI |            |   |   |                 | 4000K 70CRI |            |   |   |                 | 5000K 70CRI |            |   |   |                 | Amps @ 120VAC | Amps @ 277VAC |
|------|------------------|-------------|------------|---|---|-----------------|-------------|------------|---|---|-----------------|-------------|------------|---|---|-----------------|---------------|---------------|
|      |                  | Lumen       | Bug Rating |   |   | Efficacy (Lm/W) | Lumen       | Bug Rating |   |   | Efficacy (Lm/W) | Lumen       | Bug Rating |   |   | Efficacy (Lm/W) |               |               |
|      |                  |             | B          | U | G |                 |             | B          | U | G |                 |             | B          | U | G |                 |               |               |
| Y2   | Clear (Standard) | 3041        | 1          | 2 | 1 | 53.4            | 3948        | 1          | 2 | 1 | 69.3            | 4129        | 1          | 2 | 1 | 72.4            | 0.5           | 0.2           |
| Y3   |                  | 2920        | 1          | 2 | 1 | 51.2            | 3790        | 1          | 2 | 1 | 66.5            | 3964        | 1          | 2 | 1 | 69.5            |               |               |
| Y4   |                  | 3077        | 1          | 2 | 1 | 54.0            | 3994        | 1          | 2 | 1 | 70.1            | 4177        | 1          | 2 | 1 | 73.3            |               |               |
| Y5   |                  | 2804        | 2          | 2 | 1 | 49.2            | 3640        | 2          | 2 | 1 | 63.9            | 3807        | 2          | 2 | 1 | 66.8            |               |               |

|             | 3K            | 4K            | 5K            |
|-------------|---------------|---------------|---------------|
| CCT Average | 3000K         | 4200K         | 5100K         |
| CCT Range   | 2800K - 3175K | 3800K - 4600K | 4600K - 5600K |
| CRI Minimum | ≤80           | ≤70           | ≤70           |

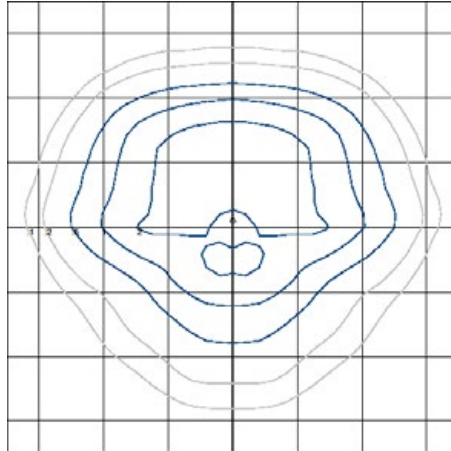
## ISOLINE TEMPLATE

SP1-FLR-Y5-32LED-5K-550



12' MOUNTING HEIGHT

SP1-FLR-Y3-32LED-5K-550



12' MOUNTING HEIGHT

| Ambient Temp. | 0    | 25,000 | 50,000 | *TM-21-11<br>60,000 | 100,000 | Projected<br>L70 (hrs) |
|---------------|------|--------|--------|---------------------|---------|------------------------|
| 25°C/77°F     | 100% | 96%    | 94%    | 93%                 | 90%     | >60,000                |
| 40°C/104°F    | 100% | 94%    | 91%    | 90%                 | 86%     | >60,000                |

## DIMENSIONS

