

|           |         |         |
|-----------|---------|---------|
| CATALOG # | TYPE    |         |
| JOB NAME  | WATTAGE | VOLTAGE |

# Symphony Remote Driver Series

## Surface Lensed Downlight 12" x 4" Shallow

Up to 60,000 Hour Rated Life (L70) • Wet Location  
LM-80 Qualified • LM-79 Certified Photometry

# SSR-12622



## Specifications

### Delivered System Performance

- Lumen Series: **MUST SPECIFY**
- 2500L: 2500 nominal lumens (35W)
- Distribution: WFL
- Color temperature: 3500°K standard; Optional: -27K, -30K, -41K or -50K
- CRI: 80+ standard; Optional: -HC (90+)
- 60,000 hour rated life (L70)
- Fully sustainable: removable for servicing

### Thermal Management System

- All aluminum heat sink, components and housing maximize cool operation and long life while minimizing maintenance

### Remote Power Supply Required

- For 0-10V use **SYM-CABNT**
- For DMX with RDM use **SYM-DMXPS**

### SmartPower™ Battery Backup

- EMI-21220** for emergency power
- See specification sheet; order separately

### Trim

- White flat seamless aluminum, one piece self-flanged
- Tempered prismatic spread distribution lens or see optional lenses

### Acrylic Enameled Aluminum Housing

- Seamless white acrylic enameled finish
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test
- No visible cylinder hardware
- Cool operation: Extends life of all components
- Fully sustainable: Entire luminaire, including LED light engine, is modular, easily visible and serviced through aperture
- Lightweight; minimizes ceiling load

### Installation

- Requires minimum 16 AWG shielded twisted pair wire from driver to fixtures
- Maximum cable run from driver to fixture is 250'**

- Center point mounting for snug fit to ceiling; mounting hardware furnished
- Indoor or outdoor for covered ceiling use

### UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings; see Option -89

### FCC Compliance

- FCC Part 15 certified for EMI/RFI emissions

### FIVE YEAR Limited Warranty

- Complete standard fixture (must be used with SYM-CABNT or SYM-DMXPS)

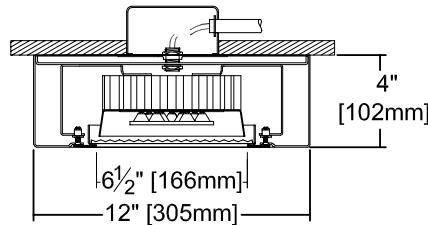
## Options and Ordering Configuration

(Example: SSR-12622-2500L-30K-35)



| Must Specify |        | Optional  |  |   |   |  |
|--------------|--------|---|--|---|---|--|
| Model        | Lumens | Color Temp. (CCT)   | Lens & Trim  | Housing Finish  | Mounting  | Other Options  |
| SSR-12622    |        |   |  |   |   |  |
|              | -2500L | <b>(Blank):</b> 3500°K<br><b>-27K:</b> 2700°K instead<br><b>-30K:</b> 3000°K instead<br><b>-41K:</b> 4000°K instead<br><b>-50K:</b> 5000°K instead<br><b>-HC:</b> 90+ CRI instead | <b>(Blank):</b> White flat trim; prismatic lens<br><b>-13:</b> Clear flat polycarbonate below with prismatic flat lens above<br><b>-23:</b> Frosted microprismatic lens instead<br><b>-46:</b> Gasket between lens and trim<br><b>-CF:</b> Custom color filter (Rosco); specify<br><b>-WA:</b> White acrylic (flat) diffuser instead | <b>(Blank):</b> White enamel<br><b>-35:</b> Silver enamel finish<br><b>-37:</b> Dark bronze enamel finish<br><b>-38:</b> Black enamel finish<br><b>-94:</b> Custom color/finish; specify; consult factory | <b>(Blank):</b> Mounting hardware for surface mount<br><b>-80:</b> 2" collar for mounting beneath outlet box; ½" T.S. KO's; add -89 for wet listing | <b>(Blank):</b> None<br><b>-99:</b> Special modification; consult factory<br><b>-TA:</b> Top Access for servicing from above ceiling |

## Dimensions



## Photometry - Installed Complete Fixture

Photometry from UL Verification Services, Allentown, PA

LM-79 IESNA Certified Photometry from Independent Lab

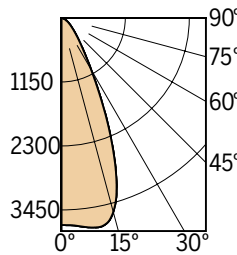
### -2500L STANDARD (WFL)

Total System Watts 35.2

Lumens: 3147  
Beam: ~45°  
SC: 0.8  
LPW: 89  
Efficiency: 84.7%  
UL Test: 1259216

**Cone of Light ▲**

| Dist. | FC    | Dia. |
|-------|-------|------|
| 6     | 103.0 | 4.94 |
| 8     | 58.1  | 6.59 |
| 10    | 37.2  | 8.23 |
| 12    | 25.8  | 9.68 |
| 14    | 19.0  | 11.5 |
| 16    | 14.5  | 13.2 |



|    | CANDLEPOWER DISTRIBUTION |      |      |      |      |
|----|--------------------------|------|------|------|------|
|    | 0.0                      | 22.5 | 45.0 | 67.5 | 90.0 |
| 0  | 3720                     | 3720 | 3720 | 3720 | 3720 |
| 5  | 3757                     | 3757 | 3757 | 3757 | 3757 |
| 15 | 3608                     | 3608 | 3608 | 3608 | 3608 |
| 25 | 1825                     | 1825 | 1825 | 1825 | 1825 |
| 35 | 666                      | 666  | 666  | 666  | 666  |
| 45 | 314                      | 314  | 314  | 314  | 314  |
| 55 | 167                      | 167  | 167  | 167  | 167  |
| 65 | 88                       | 88   | 88   | 88   | 88   |
| 75 | 38                       | 38   | 38   | 38   | 38   |
| 85 | 7                        | 7    | 7    | 7    | 7    |
| 90 | 0                        | 0    | 0    | 0    | 0    |

▲ **Cone of Light Key**  
Dia. (in ft.) shown is where FC value is half the FC at nadir.  
Dist. Distance (Ft.) from fixture  
FC Footcandles at nadir (0°)  
Dia. Circle of light at 50% of FC

LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

## Symphony Driver Modules

Fully Digital Controlled Power Source for LED Luminaires

Mounted in Kirlin's **SYM-CABNT**

Drivers wired in series



| Driver Module                                | Maximum Capacity              | Fixture Load Examples   |
|--|-------------------------------|---|
| DVR-1400A                                    | Qty 1: 2500L Luminaires       | • Qty 1: SSR-12622-2500L  |
| DVR-1400B<br>*Not available with DMX dimming | Up to Qty 2: 2500L Luminaires | • Qty 1: SSR-12622-2500L<br>• Qty 2: SSR-12622-2500L<br>• Qty 1: SSR-12622-2500L and Qty 1: SRR-07604-2500L |

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR ONE YEAR FROM DATE OF PURCHASE. INSTALLATION, MAINTENANCE, AND REPAIR MUST BE PERFORMED BY A QUALIFIED PROFESSIONAL. THE WARRANTY IS VOID IF THE FIXTURE IS DAMAGED BY IMPROPER INSTALLATION, MAINTENANCE, OR REPAIR. THE WARRANTY DOES NOT COVER DAMAGE TO THE FIXTURE CAUSED BY IMPROPER WIRING, OVERLOADING, OR OTHER ELECTRICAL FAULTS. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER NOT INTENDED BY THE MANUFACTURER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A HAZARDOUS ENVIRONMENT. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT VIOLATES ANY APPLICABLE CODES OR REGULATIONS. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT DESCRIBED IN THE PRODUCT LITERATURE. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT APPROVED BY THE MANUFACTURER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT SPECIFIED IN THE PRODUCT LITERATURE. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT PERMITTED BY THE MANUFACTURER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT ALLOWED BY THE MANUFACTURER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT ENDORSED BY THE MANUFACTURER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT RECOMMENDED BY THE MANUFACTURER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT ADVISED BY THE MANUFACTURER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT SUGGESTED BY THE MANUFACTURER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT PROMOTED BY THE MANUFACTURER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT SUPPORTED BY THE MANUFACTURER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT ENDORSED BY THE MANUFACTURER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT RECOMMENDED BY THE MANUFACTURER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT ADVISED BY THE MANUFACTURER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT SUGGESTED BY THE MANUFACTURER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT PROMOTED BY THE MANUFACTURER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER THAT IS NOT SUPPORTED BY THE MANUFACTURER.

SYMPHONY  
NOVEMBER 2024

|           |         |         |
|-----------|---------|---------|
| CATALOG # | TYPE    |         |
| JOB NAME  | WATTAGE | VOLTAGE |

# Symphony Remote Driver Series

Open Appearance 12" Adjustable Cylinder • LED

Up to 60,000 Hour Rated Life (L70) • Wet Location

LM-80 Qualified • LM-79 Certified Photometry

# SSR-12624



## Specifications

### Delivered System Performance

- Lumen Series: **Must Specify**
  - 6500L: 6500 nominal lumens (74W)
  - 5000L: 5000 nominal lumens (55W)
  - 4000L: 4000 nominal lumens (42W)
  - 2500L: 2500 nominal lumens (35W)
- Distributions: MFL standard; Optional: -SPT or -NFL
- Color temperature: 3500°K standard; Optional: -27K, -30K, -41K or -50K
- CRI: 80+ standard; Optional: -HC (90+)
- 60,000 hour rated life (L70)
- Fully sustainable: removable for servicing

### Thermal Management System

- All aluminum heat sink, components and housing maximize cool operation and long life while minimizing maintenance

### Remote Power Supply Required

- For 0-10V use **SYM-CABNT**
- For DMX with RDM use **SYM-DMXPS**

### SmartPower™ Battery Backup

- EMI-21220** for emergency power
- See specification sheet; order separately

### Trim

- Clear specular aluminum trim
- Self-flanged, low glare angle-cut cone; tempered glass lens above
- Optional colors and finishes available

### Aluminum Housing

- Seamless white acrylic enameled finish.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test
- Interlocking flare trim
- No visible cylinder hardware
- Cool operation: Extends life of all components.
- Fully sustainable: Entire luminaire, including LED light engine, easily visible and serviced through aperture
- Lightweight: minimizes ceiling load

### Installation

- Requires minimum 16 AWG shielded twisted pair wire from driver to fixtures
- Maximum cable run from driver to fixture is 250'**
- Center point mounting for snug fit to ceiling; mounting hardware furnished
- 2" collar for surface J-box mount; see Option -80

- Indoor or outdoor for covered ceiling use; Weather Cap available; see Option -89

### UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings; see Option -89

### FCC Compliance

- FCC Part 15 certified for EMI/RFI emissions

### FIVE YEAR Limited Warranty

- Complete standard fixture (must be used with SYM-CABNT or SYM-DMXPS)

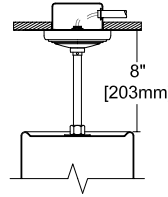
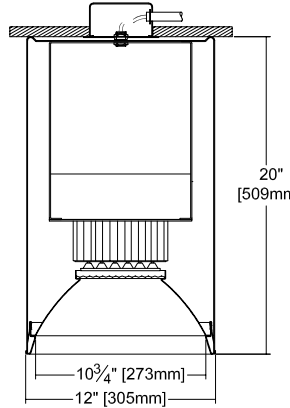


## Options and Ordering Configuration

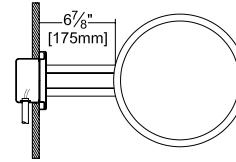
(Example: SSR-12624-6500L-30K-38)

| Must Specify |  | Optional  |  |   |   |  |   |
|--------------|--|---|--|---|---|--|---|
| Model        | Lumens   | Color Temp. (CCT)   | Distribution   | Lens & Trim   | Housing Finish  | Mounting   | Other Options   |
| SSR-12624    |  |   |  |   |   |  |   |
|              | <ul style="list-style-type: none"> <li>-6500L</li> <li>-5000L</li> <li>-4000L</li> <li>-2500L</li> </ul> | <ul style="list-style-type: none"> <li>(Blank): 3500°K</li> <li>-27K: 2700°K instead</li> <li>-30K: 3000°K instead</li> <li>-41K: 4000°K instead</li> <li>-50K: 5000°K instead</li> <li>-HC: 90+ CRI instead</li> </ul> | <ul style="list-style-type: none"> <li>(Blank): MFL</li> <li>-NFL: Narrow flood distribution</li> <li>-SPT: Spot distribution</li> </ul> | <ul style="list-style-type: none"> <li>(Blank): Clear specular trim; lens above</li> <li>-23: Frosted microprismatic lens instead</li> <li>-30T: White enamel (complete trim)</li> <li>-70T: Clear semi-specular SofTex™ (complete trim)</li> <li>-94: Custom color/finish; specify; consult factory</li> <li>-WA: White acrylic (flat) diffuser instead</li> </ul> | <ul style="list-style-type: none"> <li>(Blank): White enamel finish</li> <li>-35: Silver enamel finish</li> <li>-37: Dark bronze enamel finish</li> <li>-38: Black enamel finish</li> <li>-94: Custom color/finish; specify; consult factory</li> </ul> | <ul style="list-style-type: none"> <li>(Blank): Mounting hardware for surface mount</li> <li>-54: Safety cable from fixture through pendant stem and 12" beyond; use with -PM</li> <li>-80: 2" collar for mounting beneath outlet box. ½" T.S. KO's; add -89 for wet listing</li> <li>-87: Custom pendant or cable length; specify length; use with Option -ASB, -ASW or -PM</li> <li>-88: Swivel canopy for sloped ceilings up to 40°; use with Option -PM</li> <li>-89: Sealed top WeatherCap</li> <li>-ASB: Aircraft cable pendant mount; black cord. 48" or see -87; no wet listing</li> <li>-ASW: Aircraft cable pendant mount; white cord. 48" or see -87; no wet listing</li> <li>-PM: Pendant mount; 8" stem or see Option -87; add -89 for wet listing</li> <li>-WB: Wall bracket mount; add -89 for wet listing</li> </ul> | <ul style="list-style-type: none"> <li>(Blank): None</li> <li>-99: Special modification; consult factory</li> </ul> |

Dimensions



Representative Views:  
 (Above) With optional pendant mount (Option -PM)  
 (Right) With optional wall bracket (Option -WB)



Photometry - Installed Complete Fixture

Photometry from I.T.L., Boulder, CO

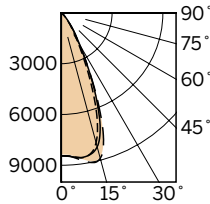
LM-79 IESNA Certified Photometry from Independent Lab

-6500L STANDARD (MFL)

Lumens: 6094  
 Beam: ~45°  
 SC: 0.8  
 LPW: 83  
 Efficiency: 75.9%  
 ITL Test: 87499

Total System Watts 73.7

| CANDLEPOWER DISTRIBUTION |      |      |      |      |      |
|--------------------------|------|------|------|------|------|
|                          | 0.0  | 22.5 | 45.0 | 67.5 | 90.0 |
| 0                        | 8437 | 8437 | 8437 | 8437 | 8437 |
| 5                        | 8544 | 8539 | 8574 | 8548 | 8544 |
| 15                       | 7934 | 8365 | 8890 | 8587 | 8189 |
| 25                       | 3490 | 3788 | 4185 | 4207 | 4090 |
| 35                       | 1069 | 1132 | 1184 | 1238 | 1232 |
| 45                       | 295  | 301  | 289  | 305  | 316  |
| 55                       | 58   | 58   | 60   | 59   | 64   |
| 65                       | 20   | 20   | 21   | 21   | 21   |
| 75                       | 17   | 18   | 18   | 18   | 18   |
| 85                       | 10   | 9    | 10   | 10   | 10   |
| 90                       | 0    | 0    | 0    | 0    | 0    |



Cone of Light ▲

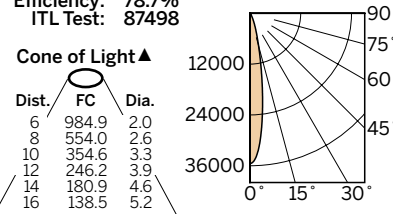
| Dist. | FC    | Dia. |
|-------|-------|------|
| 6     | 234.4 | 5.0  |
| 8     | 131.8 | 6.6  |
| 10    | 84.4  | 8.3  |
| 12    | 59.6  | 9.9  |
| 14    | 43.0  | 11.6 |
| 16    | 33.0  | 13.2 |

-6500L Option -SPT

Lumens: 6314  
 Beam: ~18°  
 SC: 0.3  
 LPW: 86  
 Efficiency: 78.7%  
 ITL Test: 87498

Total System Watts 73.7

| CANDLEPOWER DISTRIBUTION |       |       |       |       |       |
|--------------------------|-------|-------|-------|-------|-------|
|                          | 0.0   | 22.5  | 45.0  | 67.5  | 90.0  |
| 0                        | 35455 | 35455 | 35455 | 35455 | 35455 |
| 5                        | 29259 | 29259 | 29259 | 29259 | 29259 |
| 15                       | 7908  | 7908  | 7908  | 7908  | 7908  |
| 25                       | 2075  | 2075  | 2075  | 2075  | 2075  |
| 35                       | 631   | 631   | 631   | 631   | 631   |
| 45                       | 211   | 211   | 211   | 211   | 211   |
| 55                       | 45    | 45    | 45    | 45    | 45    |
| 65                       | 16    | 16    | 16    | 16    | 16    |
| 75                       | 13    | 13    | 13    | 13    | 13    |
| 85                       | 7     | 7     | 7     | 7     | 7     |
| 90                       | 0     | 0     | 0     | 0     | 0     |



Cone of Light ▲

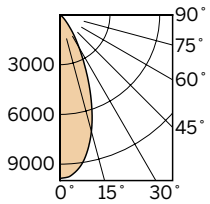
| Dist. | FC    | Dia. |
|-------|-------|------|
| 6     | 984.9 | 2.0  |
| 8     | 554.0 | 2.6  |
| 10    | 354.6 | 3.3  |
| 12    | 246.2 | 3.9  |
| 14    | 180.9 | 4.6  |
| 16    | 138.5 | 5.2  |

-6500L Option -NFL

Lumens: 5834  
 Beam: ~38°  
 SC: 0.7  
 LPW: 79  
 Efficiency: 72.7%  
 ITL Test: 88181

Total System Watts 73.7

| CANDLEPOWER DISTRIBUTION |      |      |      |      |      |
|--------------------------|------|------|------|------|------|
|                          | 0.0  | 22.5 | 45.0 | 67.5 | 90.0 |
| 0                        | 9857 | 9857 | 9857 | 9857 | 9857 |
| 5                        | 9579 | 9579 | 9579 | 9579 | 9579 |
| 15                       | 7269 | 7269 | 7269 | 7269 | 7269 |
| 25                       | 3663 | 3663 | 3663 | 3663 | 3663 |
| 35                       | 1340 | 1340 | 1340 | 1340 | 1340 |
| 45                       | 350  | 350  | 350  | 350  | 350  |
| 55                       | 61   | 61   | 61   | 61   | 61   |
| 65                       | 24   | 24   | 24   | 24   | 24   |
| 75                       | 21   | 21   | 21   | 21   | 21   |
| 85                       | 12   | 12   | 12   | 12   | 12   |
| 90                       | 0    | 0    | 0    | 0    | 0    |



Cone of Light ▲

| Dist. | FC    | Dia. |
|-------|-------|------|
| 6     | 273.8 | 4.1  |
| 8     | 154.0 | 5.5  |
| 10    | 98.6  | 6.9  |
| 12    | 68.5  | 8.3  |
| 14    | 50.3  | 9.7  |
| 16    | 38.5  | 11.0 |

| LUMEN SERIES | LUMEN FACTOR | WATTAGE FACTOR | LPW FACTOR |
|--------------|--------------|----------------|------------|
| -5000L       | 0.766        | 0.773          | 0.991      |
| -4000L       | 0.614        | 0.578          | 1.062      |
| -2500L       | 0.489        | 0.472          | 1.038      |

▲ Cone of Light Key  
 Dia. (in ft.) shown is where FC value is half the FC at nadir.

Dist. Distance (Ft.) from fixture  
 FC Footcandles at nadir (0°)  
 Dia. Circle of light at 50% of FC

LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at the option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture to the offices of manufacturer within the warranty period. Original shipment, liability of manufacturer is limited to the foregoing and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is supplied to the buyer in place of all other warranties, expressed or implied; seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.

SYMPHONY NOVEMBER 2024

# Symphony Driver Modules

Fully Digital Controlled Power Source for LED Luminaires

Mounted in Kirlin's **SYM-CABNT**

Drivers wired in series



| Driver Module                                | Maximum Capacity              | Fixture Load Examples   |
|--|-------------------------------|---|
| DVR-1400A                                    | Qty 1: 2500L Luminaires       | <ul style="list-style-type: none"> <li>Qty 1: SSR-12624-2500L</li> </ul>  |
| DVR-1400B<br>*Not available with DMX dimming | Up to Qty 2: 2500L Luminaires | <ul style="list-style-type: none"> <li>Qty 1: SSR-12624-2500L</li> <li>Qty 2: SSR-12624-2500L</li> <li>Qty 1: SSR-12624-2500L and Qty 1: SRR-07604-2500L</li> </ul> |
| DVR-1050A                                    | Qty 1: 4000L Luminaires       | <ul style="list-style-type: none"> <li>Qty 1: SSR-12624-4000L</li> </ul>  |
| DVR-1400B<br>*Not available with DMX dimming | Qty 1: 5000L Luminaires       | <ul style="list-style-type: none"> <li>Qty 1: SSR-12624-5000L</li> </ul>  |
| DVR-1400A                                    | Qty .5: 6500L Luminaires      | <ul style="list-style-type: none"> <li>Qty 1: SSR-12624-6500L requires Qty 2: DVR-1400A</li> </ul>  |