

# SENSCAPE™ SPG18 SERIES

## PRODUCT FEATURES:

- » Textured tertiary lens for glare reduction and up-light feature to eliminate "cave-effect"
- » Outputs ranging from 3,086 lm to 12,943 lm
- » Compatible with TekLink™ lighting control technology
- » 10 Year limited product warranty



| PROJECT INFORMATION |       |
|---------------------|-------|
| Job Name            | _____ |
| Fixture Type        | _____ |
| Catalog Number      | _____ |
| Approved by         | _____ |



(optional debris shield (-DS))

## SPECIFICATIONS

**HOUSING:** Marine-grade die-cast aluminum and UV-stabilized polycarbonate construction. Standard TGIC polyester powder coat finish on aluminum components with five-step pre-treatment to withstand 1,000 hour salt spray test per ASTM B117. Painted white finish. Closed-cell silicone gasketing seals all housing component interfaces.

**TRIM:** High-impact resistant, UV-stabilized polycarbonate. See ordering information for available finishes.

**MOUNTING:** Direct-to-Surface (DTS) mounts over recessed electrical box to ceiling, Quick-Mount (QM) mounts to either surface or recessed electrical box, Trunnion Mount (TK) or pendant-mounted (PM) via 3/4" rigid sealed conduit. See Ordering Information for selection.

**OPTICAL:** Type V-Square, V-Narrow and House-side Shield distributions. Multiple uplight options optically coupled to primary light source requires no additional electrical power to provide function. UV-stabilized, high-impact resistant injection-molded clear textured polycarbonate or DR acrylic tertiary lens.

**ELECTRICAL:** Arrayed backlit mid-power LED light source. See Ordering Information for color temperature and CRI options. 70 CRI minimum. 120-277 VAC, 347VAC and 480VAC 50/60Hz single-phase input; constant-current dimming driver; <20% THD, >0.90 PF. Minimum 83% electrical efficiency. 0-10V dimming protocol with 10-100% range (1-100% on 45L and 70L); dim-to-dark capabilities on 45L/70L/104L/122L; 0.9mA max source current. Replaceable surge suppressor rated to 20kA/kV per IEEE/ANSI C62.41 Cat. A. EMC compliant with FCC 47 CFR Part 15, Class B. Passes IEC 61000-4-4 EFT and IEC 61000-4-5 (Class 4) surge evaluation.

**TEKLINK™ TL50M/TL50DM:** An independent lighting control system integral to the luminaire, featuring its own embedded occupancy sensor and adjustable time-out/dimming settings. TL50DM adds a closed-loop daylight harvesting function for maximum energy savings.

**TEKLINK™ TL100:** Centralized, wired zonal occupancy and closed-loop daylight harvesting control system. TL100 controllers are standalone devices and ordered separately from luminaire. [Click here for specifications.](#)

**TEKLINK™ TL1000/2000:** An adaptive lighting control system with wired or wireless communication between system nodes. In addition to occupancy detection and daylight harvesting, TL1000 and TL2000 feature advanced scheduling and energy management capabilities with cloud-based management of system settings, reporting and notifications.

**TEKLINK™ TL2000PS:** An adaptive lighting control system utilizing an embedded image sensor with wireless communication to bridge. The image sensor provides advanced capability with video analytics, supporting car counting data reporting and standard lighting control features for occupancy detection and light level sensing.

**SENSOR & CONTROLS:** Optional sensor available with compatible third party controls. To see the full list of compatible controls, [click here.](#)

**PHOTOMETRICS:** Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For photometric data, please go to [www.kenall.com](http://www.kenall.com).

**WARRANTY:** Limited ten (10) year warranty. Limited five (5) year warranty when constructed with HA option. [Peace of Mind Guarantee®](#) when ordered and installed with direct-to-surface (DTS) mounting and polycarbonate lens (TP).

**LISTINGS:** Luminaire is certified to UL Standards by Intertek Testing Laboratory for Wet Location. IP65 rating per IEC 60598 standard with optional IP66 rating. Suitable for installation into -40°C to 40°C ambient environments, unless otherwise noted. Passes 3G vibration test per ANSI C136.31-2001.



## ORDERING INFORMATION (Ex: SPG18-PM-MW-5S-SU-TP-45L-40K7-DCC-DV-IP66-TL50M)

| Model              | Mounting                       | Trim | Optic Type        | Uplight         | Lens Type      | Lamp Power  | Lamp Color | Driver Type | Voltage   | Options | Accessories | TekLink | Controls Kit |
|--------------------|--------------------------------|------|-------------------|-----------------|----------------|---|------------|-------------|---|---------|-------------|---------|--------------|
| <b>SPG18</b>       | <b>DCC</b>                     |      |                   |                 |                |   |            |             |   |         |             |         |              |
|                    | <b>&lt; &gt;</b>               |      |                   |                 |                |   |            |             |   |         |             |         |              |
| <b>Mounting</b>    |                                |      | <b>Lamp Power</b> |                 |                | <b>Driver Type</b>  |            |             | <b>TekLink</b>  |         |             |         |              |
| <b>DTS</b>         | Direct-to-Surface              |      | <b>30L</b>        | 30W LED         | <b>DCC</b>     | 0-10V Dimming Constant Current  |            |             | <b>TL50M*</b> Non-Networked Control - Motion Only<br>( <a href="#">Click here for specifications</a> )                          |         |             |         |              |
| <b>PM</b>          | Pendant Mount                  |      | <b>45L</b>        | 45W LED         | <b>Voltage</b> | 120-277 VAC, 50/60Hz (30L - 90L only)   |            |             | <b>TL50DM*</b> Non-Networked Control -Daylight Harvesting and Motion Sensing ( <a href="#">Click here for specifications</a> )  |         |             |         |              |
| <b>TK</b>          | Trunnion Kit                   |      | <b>70L</b>        | 70W LED         | <b>CV</b>      | 277-480 VAC, 50/60Hz (104L - 122L only)   |            |             | <b>TL100*</b> Wired Network Control - Basic<br>( <a href="#">Click here for specifications</a> )                                |         |             |         |              |
| <b>QM</b>          | Quick Mount System             |      | <b>90L</b>        | 90W LED         | <b>347</b>     | 347VAC, 60Hz  |            |             | <b>TL1000*</b> Wired Network Control - Advanced<br>( <a href="#">Click here for specifications</a> )                            |         |             |         |              |
|                    |                                |      | <b>104L</b>       | 104W LED        | <b>480</b>     | 480VAC, 60Hz  |            |             | <b>TL2000*</b> Wireless Network Control - Advanced<br>( <a href="#">Click here for specifications</a> )                         |         |             |         |              |
|                    |                                |      | <b>122L</b>       | 122W LED        | <b>Options</b> | LEL† 7W LED Emergency Battery Backup (0°C min. ambient, 70L max.)<br>CEL† 18W Cold-Weather Battery Backup (-20°C min. ambient, 70L max.)<br>GTDU† UL924 and UL1008 Listed Switch Bypass/Lighting Transfer Switch with 0-10V Dimming Override (90L max; not available with LEL/CEL Option) |            |             | <b>TL2000PS*</b> Wireless Network Control - Image Sensor<br>( <a href="#">Click here for specifications</a> )                   |         |             |         |              |
| <b>Trim Finish</b> |                                |      | <b>Lamp Color</b> |                 |                | <b>Options</b>  |            |             | Please consult Kenall Applications when ordering controls. Mounting heights above 14' may require alternate sensing technology. |         |             |         |              |
| <b>MW</b>          | Matte White (STD)              |      | <b>30K8</b>       | 3000K/80CRI min | <b>LEL†</b>    | 7W LED Emergency Battery Backup (0°C min. ambient, 70L max.)  |            |             | <b>Controls Kit</b>   |         |             |         |              |
| <b>LG</b>          | Light Gray                     |      | <b>35K8</b>       | 3500K/80CRI min | <b>CEL†</b>    | 18W Cold-Weather Battery Backup (-20°C min. ambient, 70L max.)  |            |             | <b>&lt; &gt;</b> Factory Assigned Internal Code   |         |             |         |              |
| <b>CC</b>          | Custom Color (consult factory) |      | <b>40K8</b>       | 4000K/80CRI min | <b>GTDU†</b>   | UL924 and UL1008 Listed Switch Bypass/Lighting Transfer Switch with 0-10V Dimming Override (90L max; not available with LEL/CEL Option)   |            |             | * Available to 90L Lamp Power max.  |         |             |         |              |
| <b>Optic Type</b>  |                                |      | <b>Lamp Color</b> |                 |                | <b>Options</b>  |            |             | † See page 7 for alternate construction when ordered in conjunction with 70L lamp power or higher                               |         |             |         |              |
| <b>5S</b>          | Type V – Wide Square           |      | <b>30K7</b>       | 3000K/70CRI min | <b>FS</b>      | Single Fuse & Holder  |            |             | ‡ n/a with TL2000PS   |         |             |         |              |
| <b>5N</b>          | Type V – Narrow                |      | <b>40K7</b>       | 4000K/70CRI min | <b>BG</b>      | Bird Guard (DTS and QM Mounting only)   |            |             | † DV input voltage only   |         |             |         |              |
| <b>HSS</b>         | House-side Shield              |      | <b>50K7</b>       | 5000K/70CRI min | <b>DS*</b>     | Debris Shield   |            |             |   |         |             |         |              |
|                    |                                |      | <b>57K7</b>       | 5700K/70CRI min | <b>IP66*</b>   | IP66 Rating per IEC60598  |            |             |   |         |             |         |              |
| <b>Uplight</b>     |                                |      | <b>Lamp Color</b> |                 |                | <b>HA*</b>  |            |             |   |         |             |         |              |
| <b>SU</b>          | Standard Uplight (STD)         |      |                   |                 |                | 50°C Ambient Rating (see Warranty; n/a battery backup options)  |            |             |   |         |             |         |              |
| <b>EU</b>          | Enhanced Uplight               |      |                   |                 |                |   |            |             |   |         |             |         |              |
| <b>D</b>           | Downlight                      |      |                   |                 |                |   |            |             |   |         |             |         |              |
| <b>Lens Type</b>   |                                |      | <b>Lamp Color</b> |                 |                | <b>Accessories</b>  |            |             |   |         |             |         |              |
| <b>TP</b>          | Textured Polycarbonate (STD)   |      |                   |                 |                | <b>BD</b> Bird Deterrent (PM and TK Mounting only)  |            |             |   |         |             |         |              |
| <b>TA</b>          | Textured Acrylic               |      |                   |                 |                |   |            |             |   |         |             |         |              |



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Luminaires for Parking Garages  
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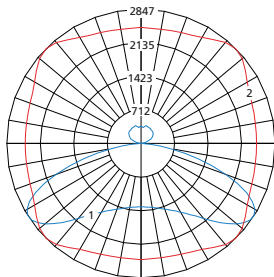
For additional photometry, go to [www.kenall.com](http://www.kenall.com)

| Optic        |          |           | Lamp Power | Initial Delivered Lumens, By Lamp Color [Downlight / Uplight] (lm) |              |              |              |              |              | Efficacy (lm/W) | Input Power (W) | Estd. L70 LED Life (hrs) | Delivered Output in LEL Battery Mode (lm) | Delivered Output in CEL Battery Mode (lm) |
|--------------|----------|-----------|------------|--|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--------------------------|---|---|
| Distribution | Uplight  | Lens Type |            | 57K7   | 50K7         | 40K7         | 40K8         | 35K8         | 30K8         |                 |                 |                          |   |   |
| 55           | SU (12%) | TA        | 30L        | 3842 / 524   | 3842 / 524   | 3842 / 524   | 3577 / 488   | 3577 / 488   | 3326 / 453   | 109 - 126       | 35              | 125,000                  | 916                                       | 1,962                                     |
|              |          |           | 45L        | 5674 / 774   | 5674 / 774   | 5674 / 774   | 5283 / 720   | 5283 / 720   | 4911 / 670   | 101 - 116       | 55              | 120,000                  | 916                                       | 1,962                                     |
|              |          |           | 70L        | 7695 / 1049  | 7695 / 1049  | 7695 / 1049  | 7164 / 977   | 7164 / 977   | 6660 / 908   | 98 - 113        | 78              | 100,000                  | 916                                       | 1,962                                     |
|              |          |           | 90L        | 9769 / 1332  | 9769 / 1332  | 9769 / 1332  | 9095 / 1240  | 9095 / 1240  | 8455 / 1153  | 94 - 109        | 102             | 80,000                   | N/A                                       | N/A                                       |
|              |          |           | 104L       | 10221 / 1394   | 10221 / 1394 | 10221 / 1394 | 9517 / 1298  | 9517 / 1298  | 8847 / 1206  | 89 - 103        | 113             | 100,000                  | N/A                                       | N/A                                       |
|              |          |           | 122L       | 11394 / 1554   | 11394 / 1554 | 11394 / 1554 | 10608 / 1447 | 10608 / 1447 | 9862 / 1345  | 81 - 93         | 139             | 80,000                   | N/A                                       | N/A                                       |
|              |          | TP        | 30L        | 3911 / 533   | 3911 / 533   | 3911 / 533   | 3641 / 497   | 3641 / 497   | 3385 / 462   | 111 - 129       | 35              | 125,000                  | 932                                       | 1,998                                     |
|              |          |           | 45L        | 5775 / 788   | 5775 / 788   | 5775 / 788   | 5377 / 733   | 5377 / 733   | 4999 / 682   | 102 - 118       | 55              | 120,000                  | 932                                       | 1,998                                     |
|              |          |           | 70L        | 7833 / 1068  | 7833 / 1068  | 7833 / 1068  | 7292 / 994   | 7292 / 994   | 6779 / 924   | 99 - 115        | 78              | 100,000                  | 932                                       | 1,998                                     |
|              |          |           | 90L        | 9943 / 1356  | 9943 / 1356  | 9943 / 1356  | 9258 / 1262  | 9258 / 1262  | 8606 / 1174  | 96 - 111        | 102             | 80,000                   | N/A                                       | N/A                                       |
|              |          |           | 104L       | 10404 / 1419   | 10404 / 1419 | 10404 / 1419 | 9687 / 1321  | 9687 / 1321  | 9005 / 1228  | 91 - 105        | 113             | 100,000                  | N/A                                       | N/A                                       |
|              |          |           | 122L       | 11598 / 1582   | 11598 / 1582 | 11598 / 1582 | 10798 / 1472 | 10798 / 1472 | 10038 / 1369 | 82 - 95         | 139             | 80,000                   | N/A                                       | N/A                                       |
|              | EU (18%) | TA        | 30L        | 3565 / 783   | 3565 / 783   | 3565 / 783   | 3319 / 729   | 3319 / 729   | 3086 / 677   | 109 - 126       | 35              | 125,000                  | 916                                       | 1,962                                     |
|              |          |           | 45L        | 5265 / 1156  | 5265 / 1156  | 5265 / 1156  | 4902 / 1076  | 4902 / 1076  | 4557 / 1000  | 100 - 116       | 55              | 120,000                  | 916                                       | 1,962                                     |
|              |          |           | 70L        | 7140 / 1567  | 7140 / 1567  | 7140 / 1567  | 6648 / 1459  | 6648 / 1459  | 6180 / 1357  | 97 - 112        | 78              | 100,000                  | 916                                       | 1,962                                     |
|              |          |           | 90L        | 9065 / 1990  | 9065 / 1990  | 9065 / 1990  | 8440 / 1853  | 8440 / 1853  | 7846 / 1722  | 94 - 108        | 102             | 80,000                   | N/A                                       | N/A                                       |
|              |          |           | 104L       | 9485 / 2082  | 9485 / 2082  | 9485 / 2082  | 8831 / 1938  | 8831 / 1938  | 8209 / 1802  | 89 - 103        | 113             | 100,000                  | N/A                                       | N/A                                       |
|              |          |           | 122L       | 10573 / 2321   | 10573 / 2321 | 10573 / 2321 | 9844 / 2161  | 9844 / 2161  | 9151 / 2009  | 80 - 93         | 139             | 80,000                   | N/A                                       | N/A                                       |
|              |          | TP        | 30L        | 3629 / 797   | 3629 / 797   | 3629 / 797   | 3379 / 742   | 3379 / 742   | 3141 / 690   | 111 - 128       | 35              | 125,000                  | 932                                       | 1,998                                     |
|              |          |           | 45L        | 5359 / 1176  | 5359 / 1176  | 5359 / 1176  | 4990 / 1095  | 4990 / 1095  | 4639 / 1018  | 102 - 118       | 55              | 120,000                  | 932                                       | 1,998                                     |
|              |          |           | 70L        | 7268 / 1595  | 7268 / 1595  | 7268 / 1595  | 6767 / 1485  | 6767 / 1485  | 6291 / 1381  | 99 - 114        | 78              | 100,000                  | 932                                       | 1,998                                     |
|              |          |           | 90L        | 9227 / 2025  | 9227 / 2025  | 9227 / 2025  | 8591 / 1886  | 8591 / 1886  | 7986 / 1753  | 95 - 110        | 102             | 80,000                   | N/A                                       | N/A                                       |
|              |          |           | 104L       | 9655 / 2119  | 9655 / 2119  | 9655 / 2119  | 8989 / 1973  | 8989 / 1973  | 8356 / 1834  | 90 - 104        | 113             | 100,000                  | N/A                                       | N/A                                       |
|              |          |           | 122L       | 10762 / 2362   | 10762 / 2362 | 10762 / 2362 | 10020 / 2200 | 10020 / 2200 | 9315 / 2045  | 82 - 95         | 139             | 80,000                   | N/A                                       | N/A                                       |
| D (0%)       | TA       | 30L       | 3,992      | 3,992  | 3,992        | 3,717        | 3,717        | 3,455        | 100 - 116    | 35              | 125,000         | 840                      | 1,800                                     |   |
|              |          | 45L       | 5,895      | 5,895  | 5,895        | 5,489        | 5,489        | 5,103        | 92 - 106     | 55              | 120,000         | 840                      | 1,800                                     |   |
|              |          | 70L       | 7,995      | 7,995  | 7,995        | 7,444        | 7,444        | 6,920        | 89 - 103     | 78              | 100,000         | 840                      | 1,800                                     |   |
|              |          | 90L       | 10,150     | 10,150   | 10,150       | 9,450        | 9,450        | 8,785        | 86 - 100     | 102             | 80,000          | N/A                      | N/A                                       |   |
|              |          | 104L      | 10,621     | 10,621   | 10,621       | 9,888        | 9,888        | 9,192        | 82 - 94      | 113             | 100,000         | N/A                      | N/A                                       |   |
|              |          | 122L      | 11,839     | 11,839   | 11,839       | 11,023       | 11,023       | 10,247       | 74 - 85      | 139             | 80,000          | N/A                      | N/A                                       |   |
|              | TP       | 30L       | 4,064      | 4,064  | 4,064        | 3,783        | 3,783        | 3,517        | 102 - 118    | 35              | 125,000         | 857                      | 1,836                                     |   |
|              |          | 45L       | 6,001      | 6,001  | 6,001        | 5,587        | 5,587        | 5,194        | 94 - 108     | 55              | 120,000         | 857                      | 1,836                                     |   |
|              |          | 70L       | 8,138      | 8,138  | 8,138        | 7,577        | 7,577        | 7,044        | 91 - 105     | 78              | 100,000         | 857                      | 1,836                                     |   |
|              |          | 90L       | 10,332     | 10,332   | 10,332       | 9,619        | 9,619        | 8,942        | 88 - 101     | 102             | 80,000          | N/A                      | N/A                                       |   |
|              |          | 104L      | 10,811     | 10,811   | 10,811       | 10,065       | 10,065       | 9,357        | 83 - 96      | 113             | 100,000         | N/A                      | N/A                                       |   |
|              |          | 122L      | 12,051     | 12,051   | 12,051       | 11,220       | 11,220       | 10,430       | 75 - 87      | 139             | 80,000          | N/A                      | N/A                                       |   |

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**Standard Uplight**

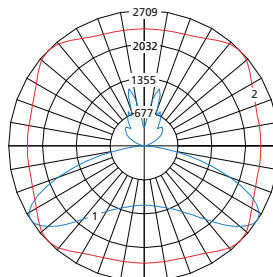
Model: SPG18-DTS-MW-55-SU-TP-90L-40K7-DCC-DV



Max Candela = 2847 Located At Horizontal Angle = 45, Vertical Angle = 57.5  
 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

**Enhanced Uplight**

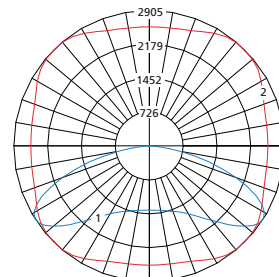
Model: SPG18-DTS-MW-55-EU-TP-90L-40K7-DCC-DV



Max Candela = 2709 Located At Horizontal Angle = 45, Vertical Angle = 57.5  
 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

**Downlight**

Model: SPG18-DTS-MW-55-D-TP-90L-40K7-DCC-DV



Max Candela = 2905 Located At Horizontal Angle = 45, Vertical Angle = 57.5  
 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

**LUMEN AMBIENT TEMPERATURE (LAT) FACTORS**

| Avg. Ambient Temperature | 10°C | 15°C | 20°C | 25°C | 30°C | 35°C | 40°C |
|--------------------------|------|------|------|------|------|------|------|
| Lumen Output Factor      | 1.03 | 1.02 | 1.01 | 1    | 0.99 | 0.98 | 0.97 |



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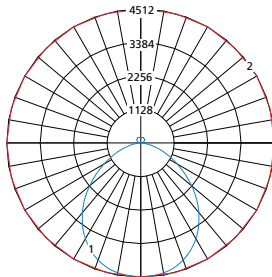
For additional photometry, go to [www.kenall.com](http://www.kenall.com)

| Optic        |         |           | Lamp Power | Initial Delivered Lumens, By Lamp Color [Downlight / Uplight] (lm) |              |              |              |              |              | Efficacy (lm/W) | Input Power (W) | Estd. L70 LED Life (hrs) | Delivered Output in LEL Battery Mode (lm) | Delivered Output in CEL Battery Mode (lm) |
|--------------|---------|-----------|------------|--|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--------------------------|---|---|
| Distribution | Uplight | Lens Type |            | 57K7   | 50K7         | 40K7         | 40K8         | 35K8         | 30K8         |                 |                 |                          |   |   |
| 5N           | SU (6%) | TA        | 30L        | 4288 / 274   | 4288 / 274   | 4288 / 274   | 3992 / 255   | 3992 / 255   | 3711 / 237   | 114 - 132       | 35              | 125,000                  | 958                                       | 2,052                                     |
|              |         |           | 45L        | 6332 / 404   | 6332 / 404   | 6332 / 404   | 5895 / 376   | 5895 / 376   | 5480 / 350   | 105 - 121       | 55              | 120,000                  | 958                                       | 2,052                                     |
|              |         |           | 70L        | 8587 / 548   | 8587 / 548   | 8587 / 548   | 7995 / 510   | 7995 / 510   | 7432 / 474   | 102 - 118       | 78              | 100,000                  | 958                                       | 2,052                                     |
|              |         |           | 90L        | 10901 / 696  | 10901 / 696  | 10901 / 696  | 10150 / 648  | 10150 / 648  | 9435 / 602   | 98 - 114        | 102             | 80,000                   | N/A                                       | N/A                                       |
|              |         |           | 104L       | 11407 / 728  | 11407 / 728  | 11407 / 728  | 10620 / 678  | 10620 / 678  | 9873 / 630   | 93 - 108        | 113             | 100,000                  | N/A                                       | N/A                                       |
|              |         |           | 122L       | 12715 / 812  | 12715 / 812  | 12715 / 812  | 11838 / 756  | 11838 / 756  | 11005 / 702  | 84 - 98         | 139             | 80,000                   | N/A                                       | N/A                                       |
|              |         | TP        | 30L        | 4336 / 277   | 4336 / 277   | 4336 / 277   | 4037 / 258   | 4037 / 258   | 3753 / 240   | 116 - 134       | 35              | 125,000                  | 974                                       | 2,088                                     |
|              |         |           | 45L        | 6403 / 409   | 6403 / 409   | 6403 / 409   | 5962 / 381   | 5962 / 381   | 5542 / 354   | 106 - 123       | 55              | 120,000                  | 974                                       | 2,088                                     |
|              |         |           | 70L        | 8684 / 554   | 8684 / 554   | 8684 / 554   | 8085 / 516   | 8085 / 516   | 7516 / 480   | 103 - 119       | 78              | 100,000                  | 974                                       | 2,088                                     |
|              |         |           | 90L        | 11024 / 704  | 11024 / 704  | 11024 / 704  | 10264 / 655  | 10264 / 655  | 9542 / 609   | 100 - 115       | 102             | 80,000                   | N/A                                       | N/A                                       |
|              |         |           | 104L       | 11535 / 736  | 11535 / 736  | 11535 / 736  | 10740 / 686  | 10740 / 686  | 9984 / 637   | 94 - 109        | 113             | 100,000                  | N/A                                       | N/A                                       |
|              |         |           | 122L       | 12859 / 821  | 12859 / 821  | 12859 / 821  | 11972 / 764  | 11972 / 764  | 11129 / 710  | 85 - 99         | 139             | 80,000                   | N/A                                       | N/A                                       |
|              | EU (9%) | TA        | 30L        | 4137 / 409   | 4137 / 409   | 4137 / 409   | 3851 / 381   | 3851 / 381   | 3580 / 354   | 114 - 132       | 35              | 125,000                  | 958                                       | 2,052                                     |
|              |         |           | 45L        | 6109 / 604   | 6109 / 604   | 6109 / 604   | 5688 / 563   | 5688 / 563   | 5287 / 523   | 105 - 121       | 55              | 120,000                  | 958                                       | 2,052                                     |
|              |         |           | 70L        | 8285 / 819   | 8285 / 819   | 8285 / 819   | 7713 / 763   | 7713 / 763   | 7171 / 709   | 102 - 117       | 78              | 100,000                  | 958                                       | 2,052                                     |
|              |         |           | 90L        | 10517 / 1040   | 10517 / 1040 | 10517 / 1040 | 9792 / 968   | 9792 / 968   | 9103 / 900   | 98 - 113        | 102             | 80,000                   | N/A                                       | N/A                                       |
|              |         |           | 104L       | 11005 / 1088   | 11005 / 1088 | 11005 / 1088 | 10246 / 1013 | 10246 / 1013 | 9525 / 942   | 93 - 107        | 113             | 100,000                  | N/A                                       | N/A                                       |
|              |         |           | 122L       | 12267 / 1213   | 12267 / 1213 | 12267 / 1213 | 11421 / 1130 | 11421 / 1130 | 10618 / 1050 | 84 - 97         | 139             | 80,000                   | N/A                                       | N/A                                       |
|              |         | TP        | 30L        | 4182 / 414   | 4182 / 414   | 4182 / 414   | 3893 / 385   | 3893 / 385   | 3619 / 358   | 115 - 133       | 35              | 125,000                  | 966                                       | 2,070                                     |
|              |         |           | 45L        | 6175 / 611   | 6175 / 611   | 6175 / 611   | 5749 / 569   | 5749 / 569   | 5345 / 529   | 106 - 122       | 55              | 120,000                  | 966                                       | 2,070                                     |
|              |         |           | 70L        | 8375 / 828   | 8375 / 828   | 8375 / 828   | 7797 / 771   | 7797 / 771   | 7248 / 717   | 103 - 119       | 78              | 100,000                  | 966                                       | 2,070                                     |
|              |         |           | 90L        | 10632 / 1051   | 10632 / 1051 | 10632 / 1051 | 9899 / 979   | 9899 / 979   | 9202 / 910   | 99 - 115        | 102             | 80,000                   | N/A                                       | N/A                                       |
|              |         |           | 104L       | 11125 / 1100   | 11125 / 1100 | 11125 / 1100 | 10357 / 1024 | 10357 / 1024 | 9629 / 952   | 94 - 108        | 113             | 100,000                  | N/A                                       | N/A                                       |
|              |         |           | 122L       | 12401 / 1226   | 12401 / 1226 | 12401 / 1226 | 11546 / 1142 | 11546 / 1142 | 10733 / 1062 | 85 - 98         | 139             | 80,000                   | N/A                                       | N/A                                       |
| D (0%)       | TA      | 30L       | 4,209      | 4,209  | 4,209        | 3,918        | 3,918        | 3,643        | 105 - 122    | 35              | 125,000         | 882                      | 1,890                                     |   |
|              |         | 45L       | 6,215      | 6,215  | 6,215        | 5,786        | 5,786        | 5,379        | 97 - 112     | 55              | 120,000         | 882                      | 1,890                                     |   |
|              |         | 70L       | 8,429      | 8,429  | 8,429        | 7,847        | 7,847        | 7,295        | 94 - 109     | 78              | 100,000         | 882                      | 1,890                                     |   |
|              |         | 90L       | 10,700     | 10,700   | 10,700       | 9,962        | 9,962        | 9,261        | 91 - 105     | 102             | 80,000          | N/A                      | N/A                                       |   |
|              |         | 104L      | 11,196     | 11,196   | 11,196       | 10,424       | 10,424       | 9,691        | 86 - 99      | 113             | 100,000         | N/A                      | N/A                                       |   |
|              |         | 122L      | 12,481     | 12,481   | 12,481       | 11,620       | 11,620       | 10,802       | 78 - 90      | 139             | 80,000          | N/A                      | N/A                                       |   |
|              | TP      | 30L       | 4,364      | 4,364  | 4,364        | 4,063        | 4,063        | 3,777        | 109 - 126    | 35              | 125,000         | 916                      | 1,962                                     |   |
|              |         | 45L       | 6,445      | 6,445  | 6,445        | 6,001        | 6,001        | 5,578        | 101 - 116    | 55              | 120,000         | 916                      | 1,962                                     |   |
|              |         | 70L       | 8,741      | 8,741  | 8,741        | 8,138        | 8,138        | 7,565        | 97 - 113     | 78              | 100,000         | 916                      | 1,962                                     |   |
|              |         | 90L       | 11,096     | 11,096   | 11,096       | 10,331       | 10,331       | 9,604        | 94 - 109     | 102             | 80,000          | N/A                      | N/A                                       |   |
|              |         | 104L      | 11,611     | 11,611   | 11,611       | 10,810       | 10,810       | 10,049       | 89 - 103     | 113             | 100,000         | N/A                      | N/A                                       |   |
|              |         | 122L      | 12,943     | 12,943   | 12,943       | 12,050       | 12,050       | 11,202       | 81 - 93      | 139             | 80,000          | N/A                      | N/A                                       |   |

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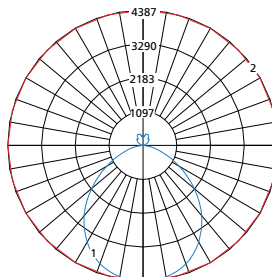
**Standard Uplight**

Model: SPG18-DTS-MW-5N-SU-TP-90L-40K7-DCC-DV



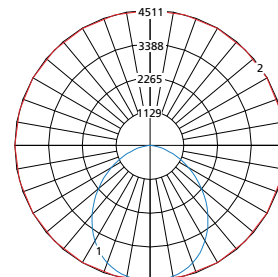
**Enhanced Uplight**

Model: SPG18-DTS-MW-5N-EU-TP-90L-40K7-DCC-DV



**Downlight**

Model: SPG18-DTS-MW-5N-D-TP-90L-40K7-DCC-DV



**LUMEN AMBIENT TEMPERATURE (LAT) FACTORS**

| Avg. Ambient Temperature | 10°C | 15°C | 20°C | 25°C | 30°C | 35°C | 40°C |
|--------------------------|------|------|------|------|------|------|------|
| Lumen Output Factor      | 1.03 | 1.02 | 1.01 | 1    | 0.99 | 0.98 | 0.97 |



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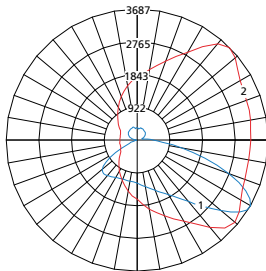
For additional photometry, go to [www.kenall.com](http://www.kenall.com)

| Optic        |         |           | Lamp Power | Initial Delivered Lumens, By Lamp Color [Downlight / Uplight] (lm) |              |              |             |             |            | Efficacy (lm/W) | Input Power (W) | Estd. L70 LED Life (hrs) | Delivered Output in LEL Battery Mode (lm) | Delivered Output in CEL Battery Mode (lm) |
|--------------|---------|-----------|------------|--|--------------|--------------|-------------|-------------|------------|-----------------|-----------------|--------------------------|---|---|
| Distribution | Uplight | Lens Type |            | 57K7   | 50K7         | 40K7         | 40K8        | 35K8        | 30K8       |                 |                 |                          |   |   |
| HSS          | SU (6%) | TA        | 30L        | 3630 / 232   | 3630 / 232   | 3630 / 232   | 3379 / 216  | 3379 / 216  | 3142 / 201 | 97 - 112        | 35              | 125,000                  | 815                                       | 1,746                                     |
|              |         |           | 45L        | 5360 / 342   | 5360 / 342   | 5360 / 342   | 4990 / 319  | 4990 / 319  | 4639 / 296 | 89 - 103        | 55              | 120,000                  | 815                                       | 1,746                                     |
|              |         |           | 70L        | 7269 / 464   | 7269 / 464   | 7269 / 464   | 6768 / 432  | 6768 / 432  | 6292 / 402 | 86 - 100        | 78              | 100,000                  | 815                                       | 1,746                                     |
|              |         |           | 90L        | 9228 / 589   | 9228 / 589   | 9228 / 589   | 8592 / 548  | 8592 / 548  | 7987 / 510 | 83 - 96         | 102             | 80,000                   | N/A                                       | N/A                                       |
|              |         |           | 104L       | 9656 / 616   | 9656 / 616   | 9656 / 616   | 8990 / 574  | 8990 / 574  | 8357 / 533 | 79 - 91         | 113             | 100,000                  | N/A                                       | N/A                                       |
|              |         |           | 122L       | 10764 / 687  | 10764 / 687  | 10764 / 687  | 10021 / 640 | 10021 / 640 | 9316 / 595 | 71 - 83         | 139             | 80,000                   | N/A                                       | N/A                                       |
|              |         | TP        | 30L        | 3645 / 233   | 3645 / 233   | 3645 / 233   | 3394 / 217  | 3394 / 217  | 3155 / 201 | 97 - 112        | 35              | 125,000                  | 815                                       | 1,746                                     |
|              |         |           | 45L        | 5383 / 344   | 5383 / 344   | 5383 / 344   | 5012 / 320  | 5012 / 320  | 4659 / 297 | 89 - 103        | 55              | 120,000                  | 815                                       | 1,746                                     |
|              |         |           | 70L        | 7301 / 466   | 7301 / 466   | 7301 / 466   | 6797 / 434  | 6797 / 434  | 6319 / 403 | 87 - 100        | 78              | 100,000                  | 815                                       | 1,746                                     |
|              |         |           | 90L        | 9268 / 592   | 9268 / 592   | 9268 / 592   | 8629 / 551  | 8629 / 551  | 8022 / 512 | 84 - 97         | 102             | 80,000                   | N/A                                       | N/A                                       |
|              |         |           | 104L       | 9698 / 619   | 9698 / 619   | 9698 / 619   | 9029 / 576  | 9029 / 576  | 8394 / 536 | 79 - 91         | 113             | 100,000                  | N/A                                       | N/A                                       |
|              |         |           | 122L       | 10810 / 690  | 10810 / 690  | 10810 / 690  | 10065 / 642 | 10065 / 642 | 9357 / 597 | 72 - 83         | 139             | 80,000                   | N/A                                       | N/A                                       |
|              | EU (9%) | TA        | 30L        | 3540 / 350   | 3540 / 350   | 3540 / 350   | 3296 / 326  | 3296 / 326  | 3064 / 303 | 97 - 113        | 35              | 125,000                  | 815                                       | 1,746                                     |
|              |         |           | 45L        | 5228 / 517   | 5228 / 517   | 5228 / 517   | 4867 / 481  | 4867 / 481  | 4525 / 448 | 90 - 104        | 55              | 120,000                  | 815                                       | 1,746                                     |
|              |         |           | 70L        | 7090 / 701   | 7090 / 701   | 7090 / 701   | 6601 / 653  | 6601 / 653  | 6136 / 607 | 87 - 100        | 78              | 100,000                  | 815                                       | 1,746                                     |
|              |         |           | 90L        | 9001 / 890   | 9001 / 890   | 9001 / 890   | 8380 / 829  | 8380 / 829  | 7790 / 770 | 84 - 97         | 102             | 80,000                   | N/A                                       | N/A                                       |
|              |         |           | 104L       | 9418 / 931   | 9418 / 931   | 9418 / 931   | 8768 / 867  | 8768 / 867  | 8151 / 806 | 79 - 92         | 113             | 100,000                  | N/A                                       | N/A                                       |
|              |         |           | 122L       | 10498 / 1038   | 10498 / 1038 | 10498 / 1038 | 9774 / 967  | 9774 / 967  | 9086 / 899 | 72 - 83         | 139             | 80,000                   | N/A                                       | N/A                                       |
|              |         | TP        | 30L        | 3555 / 352   | 3555 / 352   | 3555 / 352   | 3310 / 327  | 3310 / 327  | 3077 / 304 | 98 - 113        | 35              | 125,000                  | 823                                       | 1,764                                     |
|              |         |           | 45L        | 5250 / 519   | 5250 / 519   | 5250 / 519   | 4888 / 483  | 4888 / 483  | 4544 / 449 | 90 - 104        | 55              | 120,000                  | 823                                       | 1,764                                     |
|              |         |           | 70L        | 7120 / 704   | 7120 / 704   | 7120 / 704   | 6629 / 656  | 6629 / 656  | 6163 / 609 | 87 - 101        | 78              | 100,000                  | 823                                       | 1,764                                     |
|              |         |           | 90L        | 9039 / 894   | 9039 / 894   | 9039 / 894   | 8416 / 832  | 8416 / 832  | 7823 / 774 | 84 - 97         | 102             | 80,000                   | N/A                                       | N/A                                       |
|              |         |           | 104L       | 9458 / 935   | 9458 / 935   | 9458 / 935   | 8806 / 871  | 8806 / 871  | 8186 / 810 | 80 - 92         | 113             | 100,000                  | N/A                                       | N/A                                       |
|              |         |           | 122L       | 10543 / 1043   | 10543 / 1043 | 10543 / 1043 | 9816 / 971  | 9816 / 971  | 9125 / 902 | 72 - 84         | 139             | 80,000                   | N/A                                       | N/A                                       |
| D (0%)       | TA      | 30L       | 3,273      | 3,273  | 3,273        | 3,047        | 3,047       | 2,833       | 82 - 95    | 35              | 125,000         | 689                      | 1,476                                     |   |
|              |         | 45L       | 4,833      | 4,833  | 4,833        | 4,500        | 4,500       | 4,183       | 75 - 87    | 55              | 120,000         | 689                      | 1,476                                     |   |
|              |         | 70L       | 6,555      | 6,555  | 6,555        | 6,103        | 6,103       | 5,673       | 73 - 84    | 78              | 100,000         | 689                      | 1,476                                     |   |
|              |         | 90L       | 8,322      | 8,322  | 8,322        | 7,748        | 7,748       | 7,202       | 71 - 82    | 102             | 80,000          | N/A                      | N/A                                       |   |
|              |         | 104L      | 8,707      | 8,707  | 8,707        | 8,107        | 8,107       | 7,536       | 67 - 77    | 113             | 100,000         | N/A                      | N/A                                       |   |
|              |         | 122L      | 9,706      | 9,706  | 9,706        | 9,037        | 9,037       | 8,401       | 61 - 70    | 139             | 80,000          | N/A                      | N/A                                       |   |
|              | TP      | 30L       | 3,486      | 3,486  | 3,486        | 3,245        | 3,245       | 3,017       | 87 - 101   | 35              | 125,000         | 731                      | 1,566                                     |   |
|              |         | 45L       | 5,148      | 5,148  | 5,148        | 4,793        | 4,793       | 4,455       | 80 - 93    | 55              | 120,000         | 731                      | 1,566                                     |   |
|              |         | 70L       | 6,981      | 6,981  | 6,981        | 6,499        | 6,499       | 6,042       | 78 - 90    | 78              | 100,000         | 731                      | 1,566                                     |   |
|              |         | 90L       | 8,862      | 8,862  | 8,862        | 8,251        | 8,251       | 7,671       | 75 - 87    | 102             | 80,000          | N/A                      | N/A                                       |   |
|              |         | 104L      | 9,273      | 9,273  | 9,273        | 8,634        | 8,634       | 8,026       | 71 - 82    | 113             | 100,000         | N/A                      | N/A                                       |   |
|              |         | 122L      | 10,337     | 10,337   | 10,337       | 9,624        | 9,624       | 8,947       | 65 - 75    | 139             | 80,000          | N/A                      | N/A                                       |   |

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**Standard Uplight**

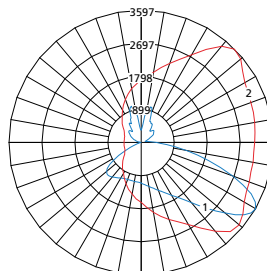
Model: SPG18-DTS-MW-HSS-SU-TP-90L-40K7-DCC-DV



Max Candela = 3687 Located At Horizontal Angle = 45, Vertical Angle = 60  
 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

**Enhanced Uplight**

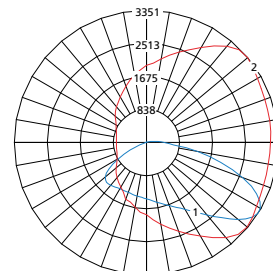
Model: SPG18-DTS-MW-HSS-EU-TP-90L-40K7-DCC-DV



Max Candela = 3597 Located At Horizontal Angle = 45, Vertical Angle = 60  
 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

**Downlight**

Model: SPG18-DTS-MW-HSS-D-TP-90L-40K7-DCC-DV



Max Candela = 3351 Located At Horizontal Angle = 40, Vertical Angle = 57.5  
 1 - Vertical Plane Through Horizontal Angles (40 - 220) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

**LUMEN AMBIENT TEMPERATURE (LAT) FACTORS**

| Avg. Ambient Temperature | 10°C | 15°C | 20°C | 25°C | 30°C | 35°C | 40°C |
|--------------------------|------|------|------|------|------|------|------|
| Lumen Output Factor      | 1.03 | 1.02 | 1.01 | 1    | 0.99 | 0.98 | 0.97 |



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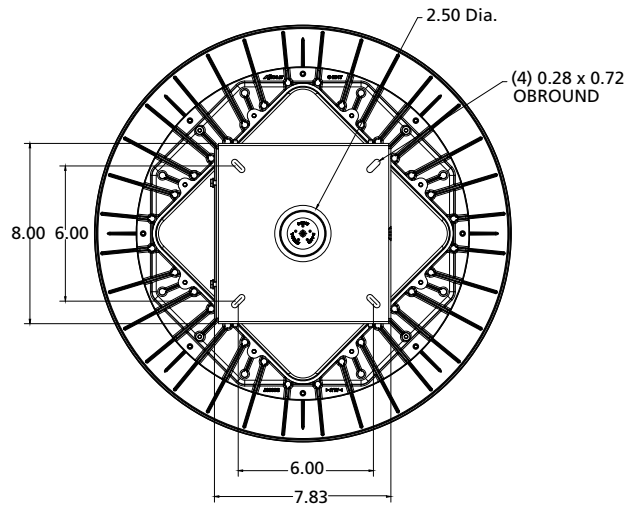
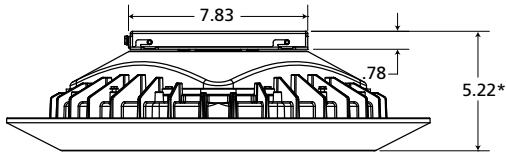
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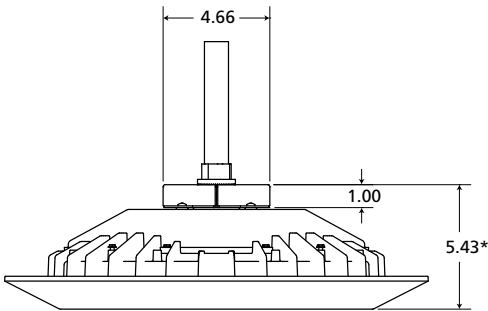
**SPG18 SERIES**

**MOUNTING DIMENSIONAL DATA**

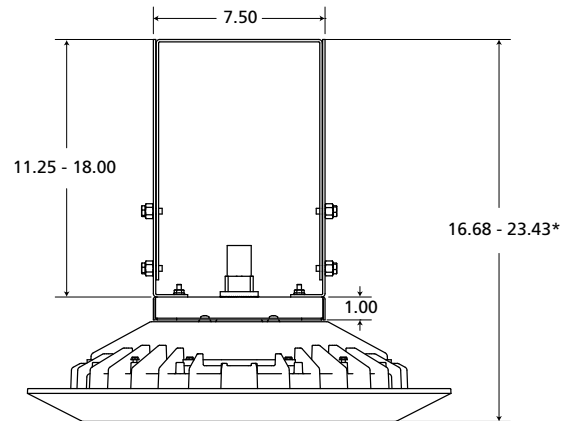
**Direct-to-Surface**



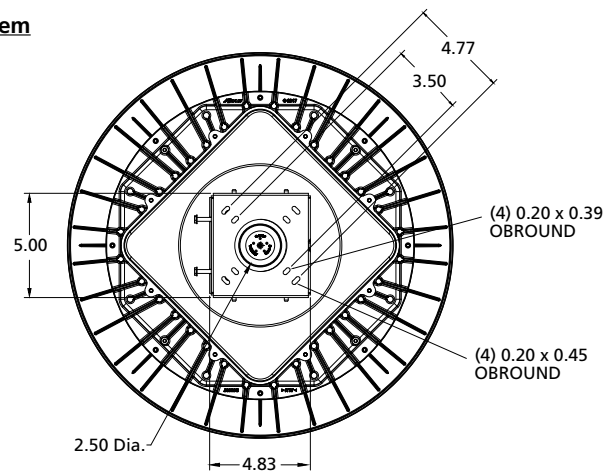
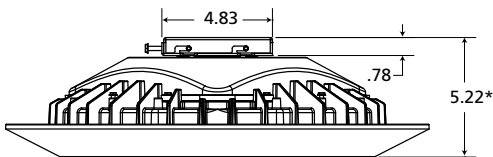
**Pendant Mount**



**Trunnion Kit**



**Quick Mount System**



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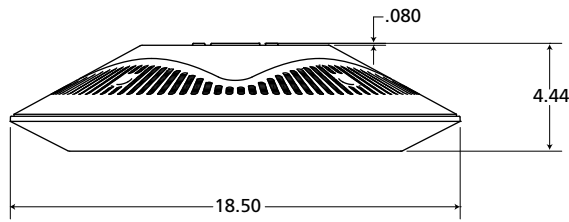
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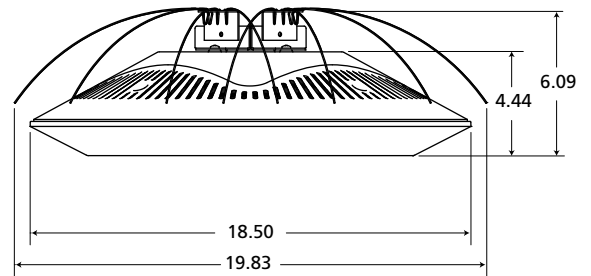
**SPG18 SERIES**

OPTIONS DIMENSIONAL DATA

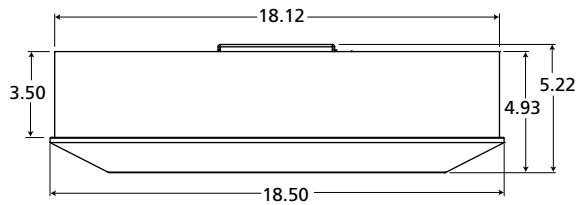
**Product with Optional Debris Shield**



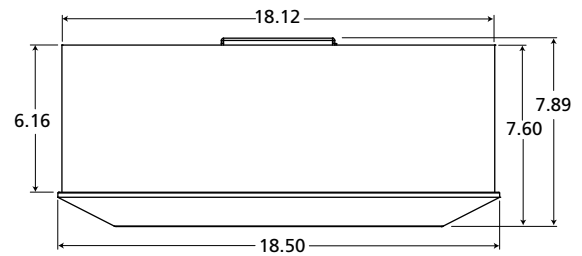
**Bird Deterrent**



**Bird Guard**

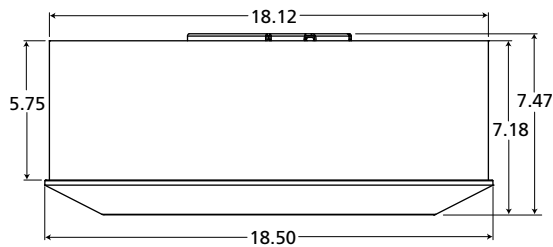


**Bird Guard with LEL**



**Bird Guard with TL1000/TL2000/TL2000PS**

\* 70L Lamp Power and above



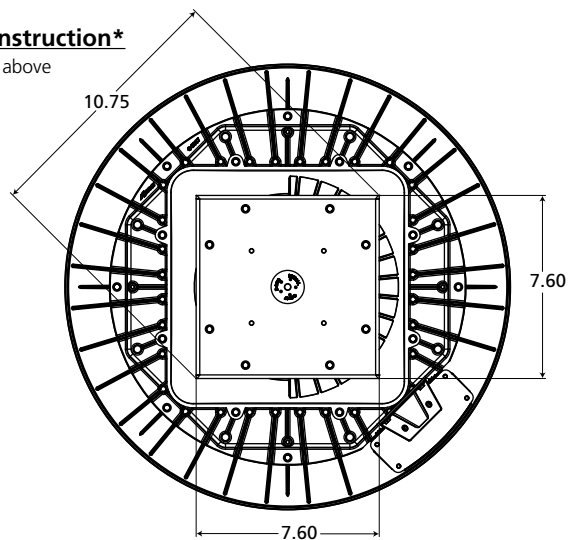
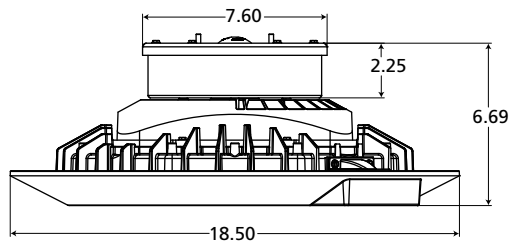
# SENSCAPE™ Luminaires for Parking Garages

## SPG18 SERIES

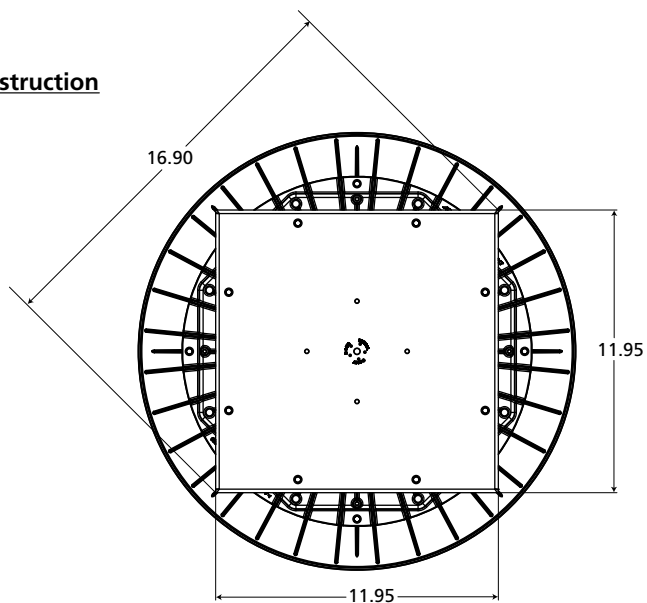
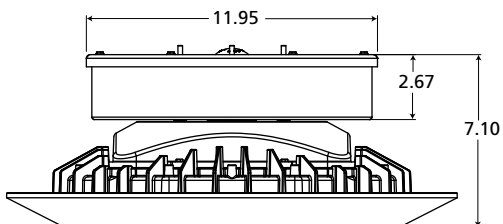
### OPTIONS DIMENSIONAL DATA

#### TL1000/TL2000/TL2000PS Construction\*

\* 70L Lamp Power and above



#### LEL Construction



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