

## AREA &amp; ROADWAY LIGHTING



CONTEMPORARY, ROUND FORM POLE MOUNT LUMINAIRE

**Luminaire**

Housing and arm are heavy wall, low copper cast aluminum alloy (A356 alloy, <0.2% copper). Removable internal heatsink provides direct mounting of the LED modules and thermal control for long life and efficiency. All hardware is stainless steel. Optical access is through housing aperture. Hinged door on arm provides access to the driver and electrical compartment. Integrated mounting bolts for quick mounting to the pole. Optional heavy cast aluminum wall mounting bracket.

**PLED™ Optics**

Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side, maximizing usable light. Optional house side shields are available that cover each individual optic. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments. Quick-disconnects are provided above each panel for fast field replacement. All fixture optical options will provide a "U0" no uplight optical package and is dark sky friendly.

**Ambience™ Low Luminance Lens**

Optional Ambience Lens (AL) provides low luminance reduced glare distributions. Lens diffuses the PLED Optics and provides a more uniform luminance across the aperture reducing glare at all angles. Lens is provided with an aluminum frame and is sealed to the housing with high temp gasketing.

**LED Emitters**

LED thermal management is designed to maintain LED operating temperature below 90 °C, well below the manufacturers thermal max of 150 °C for long life, high lumen maintenance and color stabilit. High Power White LED's are driven between 350mA and 875mA for a maximum output of 2.5 Watts nominal. LED's are available in standard Warm White (2700K & 3000K), Neutral White (4000K), or Cool White (5000K). All Standard LED's have a minimum of 70 CRI. Consult Factory for other LED options. Lumen Maintenance of L94 at 60,000 hours (TM-21 calculated at 6x Test Time).

**True Amber LED's** TRA-True Amber LED's emit light in the amber spectral bandwidth centered on 585-590nm. True Amber has negligible blue light and is suitable for wildlife.

**LED Driver**

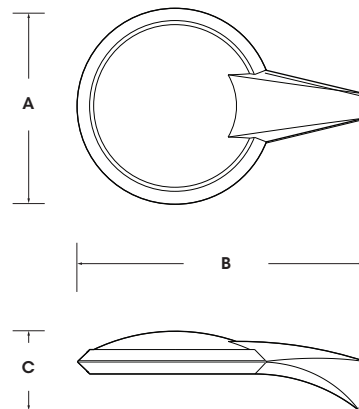
Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50/60Hz. 0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with a separate 20KV surge protector for field installation.

**Finish**

Super TGIC polyester powder coating is applied onto a metal substrate this has been pretreated with a four-stage process for maximum adhesion and color retention. The top coat is baked at 400° F for maximum hardness and exterior durability.


**PAC**

(PAC24 shown w/ Ambience™ Low Luminance Lens -AL)



| Fixture | A            | B            | C            |
|---------|--------------|--------------|--------------|
| PAC24   | 24"<br>610mm | 36"<br>914mm | 10"<br>254mm |
| PAC18   | 19"<br>483mm | 30"<br>762mm | 9"<br>229mm  |



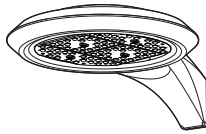
2023262

**PRODUCT CONFIGURATIONS**

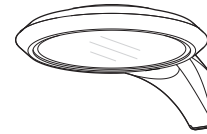
**EPA & WEIGHT**

**No Lens**

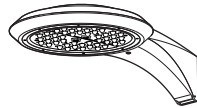
**w/ Ambience™ Low Luminance Lens**



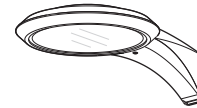
**PAC24**  
Max Weight = 58 lbs  
Max EPA = 0.87  
80 LED Max



**PAC24-AL**  
Max Weight = 58 lbs  
Max EPA = 0.87  
80 LED Max

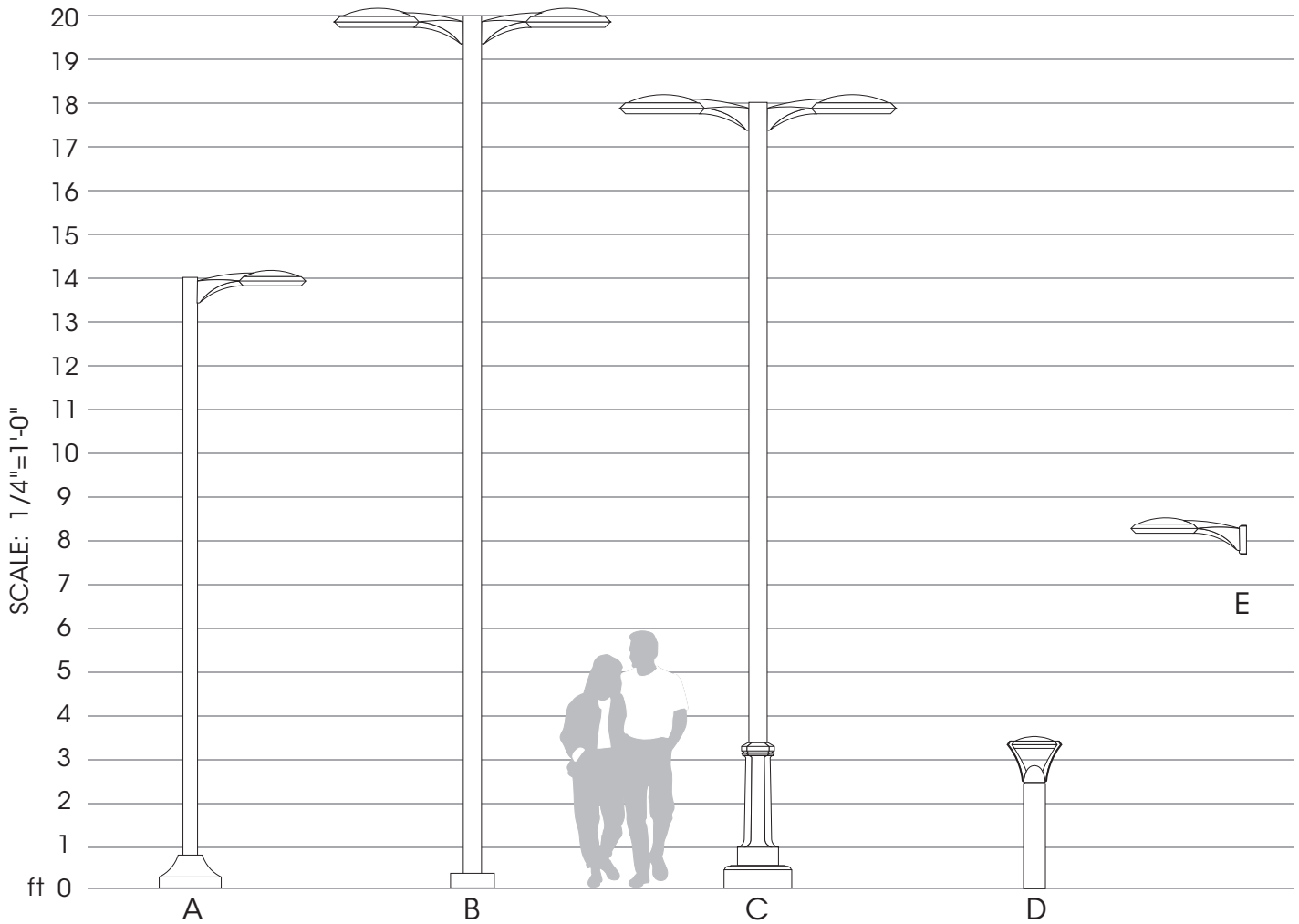


**PAC18**  
Max Weight = 30 lbs  
Max EPA = 0.60  
48 LED Max



**PAC18-PT1-AL**  
Max Weight = 30 lbs  
Max EPA = 0.60  
48 LED Max

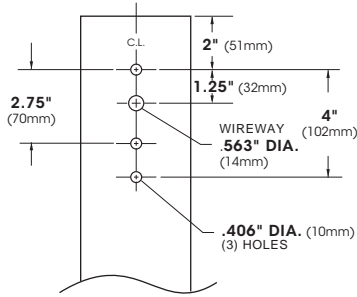
**SAMPLE ASSEMBLIES**



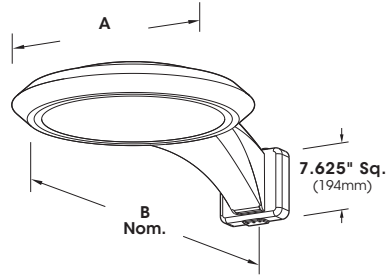
- A. RNTA-144-125-RBC/1/PAC18/LED/ACCESSORIES/FINISH
- B. RNTS205-7/2-180/PAC24-AL/LED/ACCESSORIES/FINISH
- C. 11-1050-18'-0"/2-180/PAC24/LED/ACCESSORIES/FINISH
- D. PACB/LED/ACCESSORIES/FINISH
- E. WM/PAC18-AL/LED/ACCESSORIES/FINISH

Sample Assemblies show a small offering of the Sun Valley Line of Poles, Bases, Shafts, Arms, & Luminaires. Please visit [usalgtg.com](http://usalgtg.com) for the full product offering.

**POLE DRILLING TEMPLATE**



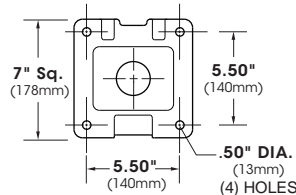
**WALL MOUNT**



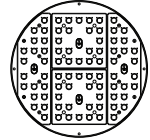
| Fixture | A            | B            |
|---------|--------------|--------------|
| PAC24   | 24"<br>610mm | 38"<br>965mm |
| PAC18   | 19"<br>483mm | 32"<br>813mm |

Cast aluminum wall bracket assembly provided with built in gasketed wire access for fixture/supply wire connection. Mounting hardware by others.

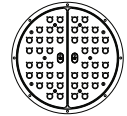
**WALL PLATE**



**PLED™ MODULES**



80 LED Module



48 LED Module



36 LED Module



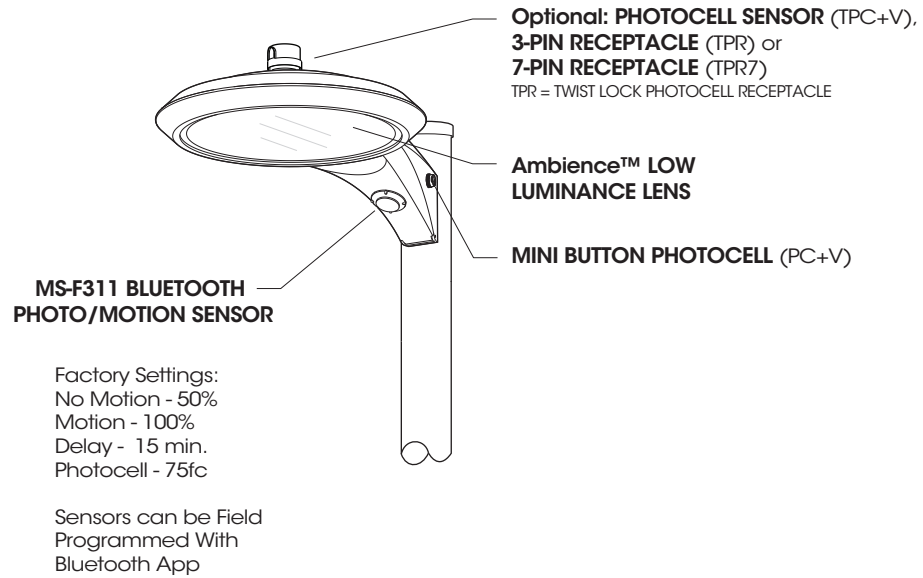
20 LED Module

**ORDERING INFORMATION**

Spec/Order Example: PAC24/PLED-II/80LED-875mA/27K/UNV/RAL-8019-T/DF

| Luminaire  | Optics  | LED Mode  | Voltage   | Mounting      | Finish           | Options                                     |                                |                                      |                                |                                |                                      |                                |                                |                                      |   |                                |                                      |  |                                |   |  |   |  |   |
|--|---|---|-----------|---------------|------------------|---|--------------------------------|--------------------------------------|--------------------------------|--------------------------------|--------------------------------------|--------------------------------|--------------------------------|--------------------------------------|---|--------------------------------|--------------------------------------|--|--------------------------------|---|--|---|--|---|
| <input type="checkbox"/> PAC24<br><input type="checkbox"/> PAC18 | <p><b>PLED™</b><br/>Distribution Type</p> <p>For NL &amp; CPA Lens Options:</p> <p><input type="checkbox"/> PLED-II </p> <p><input type="checkbox"/> PLED-II-FR </p> <p><input type="checkbox"/> PLED-III </p> <p><input type="checkbox"/> PLED-III-W </p> <p><input type="checkbox"/> PLED-IV </p> <p><input type="checkbox"/> PLED-IV-FT </p> <p><input type="checkbox"/> PLED-V-SQ-N </p> <p><input type="checkbox"/> PLED-V-SQ-M </p> <p><input type="checkbox"/> PLED-V-SQ-W </p> <p>Ambience™ Lens Options<sup>4</sup>:</p> <p><input type="checkbox"/> AL-ASY</p> <p><input type="checkbox"/> AL-ASY-HS</p> <p><input type="checkbox"/> AL-SYM</p> | <table border="0"> <tr> <td># of LEDs</td> <td>Drive Current</td> <td>Color Temp - CCT</td> </tr> <tr> <td><input type="checkbox"/> 80LED<sup>1</sup></td> <td><input type="checkbox"/> 875mA</td> <td><input type="checkbox"/> 27K (2700K)</td> </tr> <tr> <td><input type="checkbox"/> 48LED</td> <td><input type="checkbox"/> 700mA</td> <td><input type="checkbox"/> 30K (3000K)</td> </tr> <tr> <td><input type="checkbox"/> 36LED</td> <td><input type="checkbox"/> 525mA</td> <td><input type="checkbox"/> 40K (4000K)</td> </tr> <tr> <td><input type="checkbox"/> 20LED<sup>2</sup></td> <td><input type="checkbox"/> 350mA</td> <td><input type="checkbox"/> 50K (5000K)</td> </tr> <tr> <td></td> <td><input type="checkbox"/> 175mA</td> <td><input type="checkbox"/> TRA<br/>True Amber<sup>3</sup></td> </tr> </table> <p><b>NOTES:</b></p> <p>1 - 80LED available in PAC24 only</p> <p>2 - 20LED available in PAC18 only</p> <p>3 - TRA available in 350mA &amp; 525mA Drive Currents only</p> <p>4 - Ambience Lens available in PAC24 (80LED) and PAC18 (48LED) only</p> <p>Consult factory for other CCT, CRI, &amp; Drive Current options</p> | # of LEDs | Drive Current | Color Temp - CCT | <input type="checkbox"/> 80LED <sup>1</sup> | <input type="checkbox"/> 875mA | <input type="checkbox"/> 27K (2700K) | <input type="checkbox"/> 48LED | <input type="checkbox"/> 700mA | <input type="checkbox"/> 30K (3000K) | <input type="checkbox"/> 36LED | <input type="checkbox"/> 525mA | <input type="checkbox"/> 40K (4000K) | <input type="checkbox"/> 20LED <sup>2</sup> | <input type="checkbox"/> 350mA | <input type="checkbox"/> 50K (5000K) |  | <input type="checkbox"/> 175mA | <input type="checkbox"/> TRA<br>True Amber <sup>3</sup> | <input type="checkbox"/> UNV (120-277)<br><input type="checkbox"/> 347<br><input type="checkbox"/> 480 | <p><b>Arm Mount</b></p> <p><input type="checkbox"/> 1 </p> <p><input type="checkbox"/> 2-180 </p> <p><input type="checkbox"/> 2-90 </p> <p><input type="checkbox"/> 3-90 </p> <p><input type="checkbox"/> 3-120 </p> <p><input type="checkbox"/> 4-90 </p> <p><input type="checkbox"/> Universal Pole Adaptor UPA</p> <p><b>Wall Mount</b></p> <p><input type="checkbox"/> WM </p> <p>WM - Wall Mount provided with mounting bracket and cover.</p> | <p><b>Standard Textured Finish</b></p> <p><input type="checkbox"/> Black RAL-9005-T</p> <p><input type="checkbox"/> White RAL-9003-T</p> <p><input type="checkbox"/> Grey RAL-7004-T</p> <p><input type="checkbox"/> Dark Bronze RAL-8019-T</p> <p><input type="checkbox"/> Green RAL-6005-T</p> <p><b>Premium Finishes</b></p> <p><input type="checkbox"/> Rust</p> <p><input type="checkbox"/> Patina Copper PC</p> <p>For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S)</p> <p>Consult factory for custom colors</p> | <p><input type="checkbox"/> Internal House Side Shield incl. LED Count (Example: HS-PLED/48) <b>HS-PLED</b></p> <p><input type="checkbox"/> Twist Lock Receptable Only <b>TPR</b></p> <p><input type="checkbox"/> 7-Pin Twist Lock Receptable Only <b>TPR7</b></p> <p><input type="checkbox"/> High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) <b>HLSW</b></p> <p><input type="checkbox"/> Twist Lock Photocell + Voltage (Example: TPC347V) <b>TPC+V</b></p> <p><input type="checkbox"/> Photocell + Voltage (Example: PC120V) <b>PC+V</b></p> <p><input type="checkbox"/> Single Fuse (Example: DF277V) <b>SF+V</b></p> <p><input type="checkbox"/> Double Fuse (Example: DF240V) <b>DF+V</b></p> <p><input type="checkbox"/> Blue-Tooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75c) <b>MS-F311</b></p> |
| # of LEDs  | Drive Current   | Color Temp - CCT  |           |               |                  |   |                                |                                      |                                |                                |                                      |                                |                                |                                      |   |                                |                                      |  |                                |   |  |   |  |   |
| <input type="checkbox"/> 80LED <sup>1</sup>                      | <input type="checkbox"/> 875mA  | <input type="checkbox"/> 27K (2700K)  |           |               |                  |   |                                |                                      |                                |                                |                                      |                                |                                |                                      |   |                                |                                      |  |                                |   |  |   |  |   |
| <input type="checkbox"/> 48LED                                   | <input type="checkbox"/> 700mA  | <input type="checkbox"/> 30K (3000K)  |           |               |                  |   |                                |                                      |                                |                                |                                      |                                |                                |                                      |   |                                |                                      |  |                                |   |  |   |  |   |
| <input type="checkbox"/> 36LED                                   | <input type="checkbox"/> 525mA  | <input type="checkbox"/> 40K (4000K)  |           |               |                  |   |                                |                                      |                                |                                |                                      |                                |                                |                                      |   |                                |                                      |  |                                |   |  |   |  |   |
| <input type="checkbox"/> 20LED <sup>2</sup>                      | <input type="checkbox"/> 350mA  | <input type="checkbox"/> 50K (5000K)  |           |               |                  |   |                                |                                      |                                |                                |                                      |                                |                                |                                      |   |                                |                                      |  |                                |   |  |   |  |   |
|  | <input type="checkbox"/> 175mA  | <input type="checkbox"/> TRA<br>True Amber <sup>3</sup>   |           |               |                  |   |                                |                                      |                                |                                |                                      |                                |                                |                                      |   |                                |                                      |  |                                |   |  |   |  |   |

**OPTIONS**

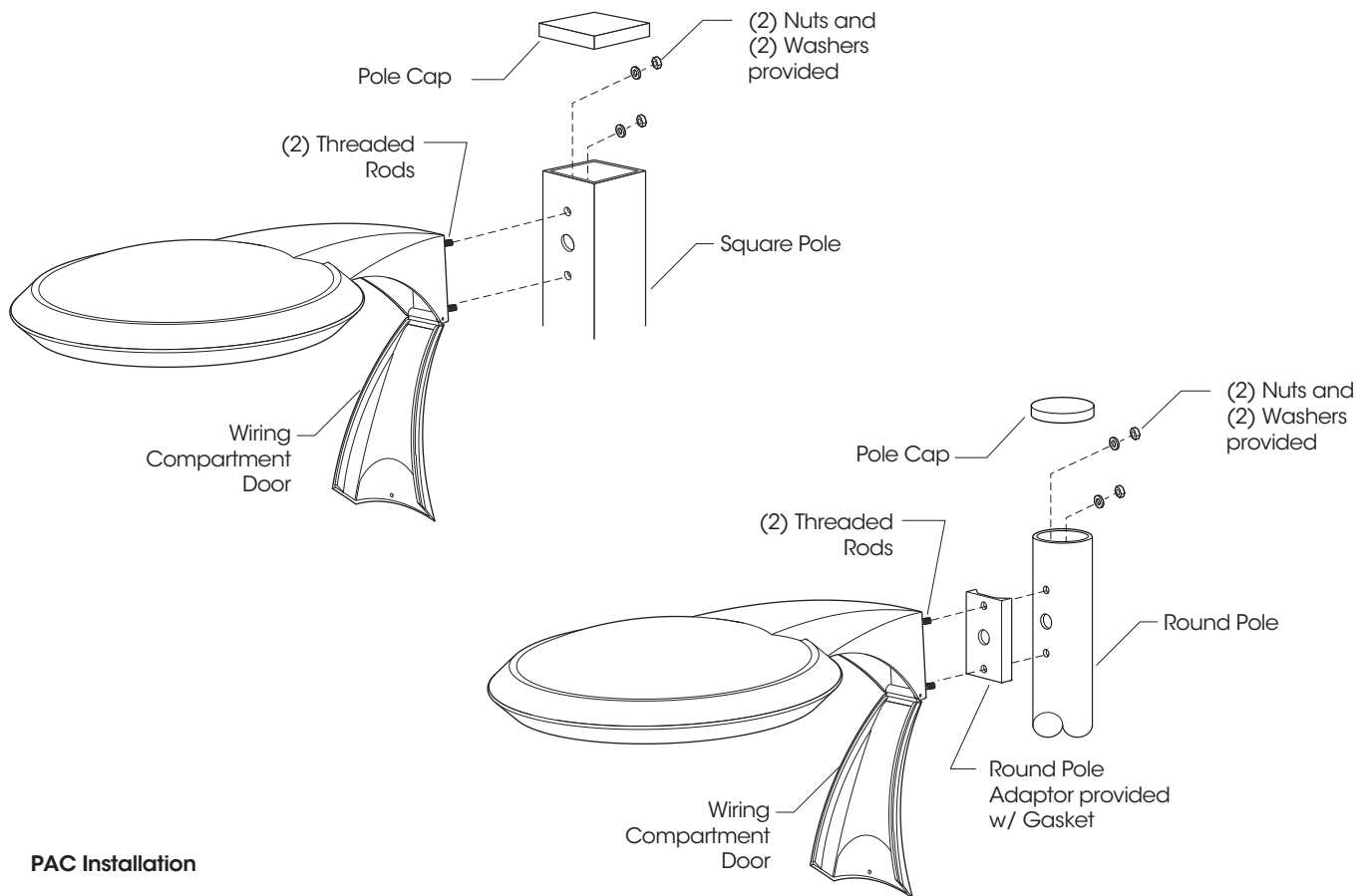


**High Low Dimming For Switches (HLSW)**

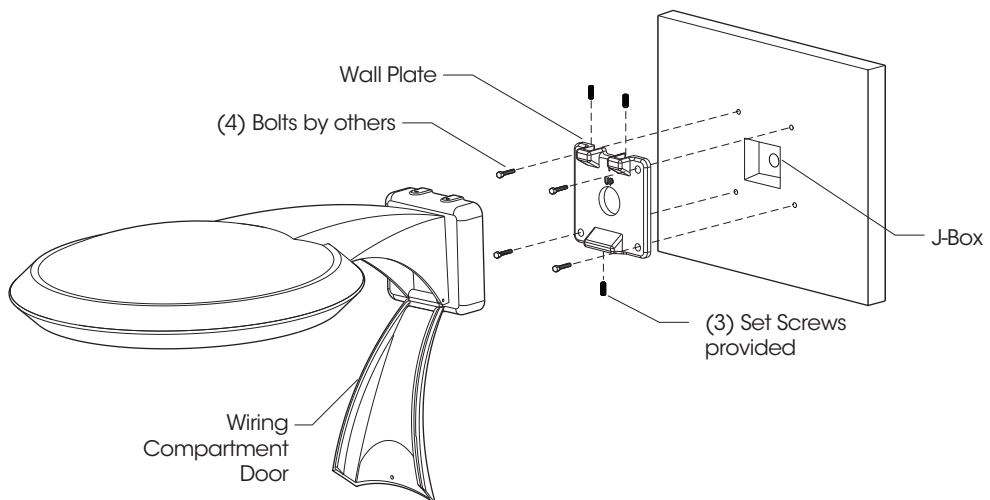
The HLSW is a small Electronic Switch which provides High Low Dimming Control through the LED Driver's 0-10V Control. Switching is done by adding a secondary AC Switched Hot Trigger Line to the HLSW in addition to the normal AC Power Line. When the Secondary Trigger Line is powered, the Fixture will go to 100% dimming. With no power to the Trigger, the Fixture will operate at 50% or 25% dimming. Switches for the Trigger Line can be a normal AC Switch/Breaker or Timed Switch/Breaker.

**Wireless and Other Fixture Controls**

Contact factory for Wireless and other Fixture Controls and recommendations. Most Controls can be integrated and factory Installed.



**PAC Installation**



**PAC-WM Installation**

## PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

| LED LUMEN MAINTENANCE (350mA to 875mA) |                    |                                 |
|--|--------------------|---------------------------------|
| LED Life / Operating Hours             | Lumen Depreciation | Lumen Depreciation Scale Factor |
| 60,000                                 | L96                | 0.96x                           |
| 100,000 (6X LED Test Hrs)              | L93                | 0.93x                           |
| 150,000 (Theoretical)                  | L89                | 0.90x                           |
| 200,000 (Theoretical)                  | L86                | 0.87x                           |

TM-21 6x Test Time Dicates that L93 > 100,000 Hours.

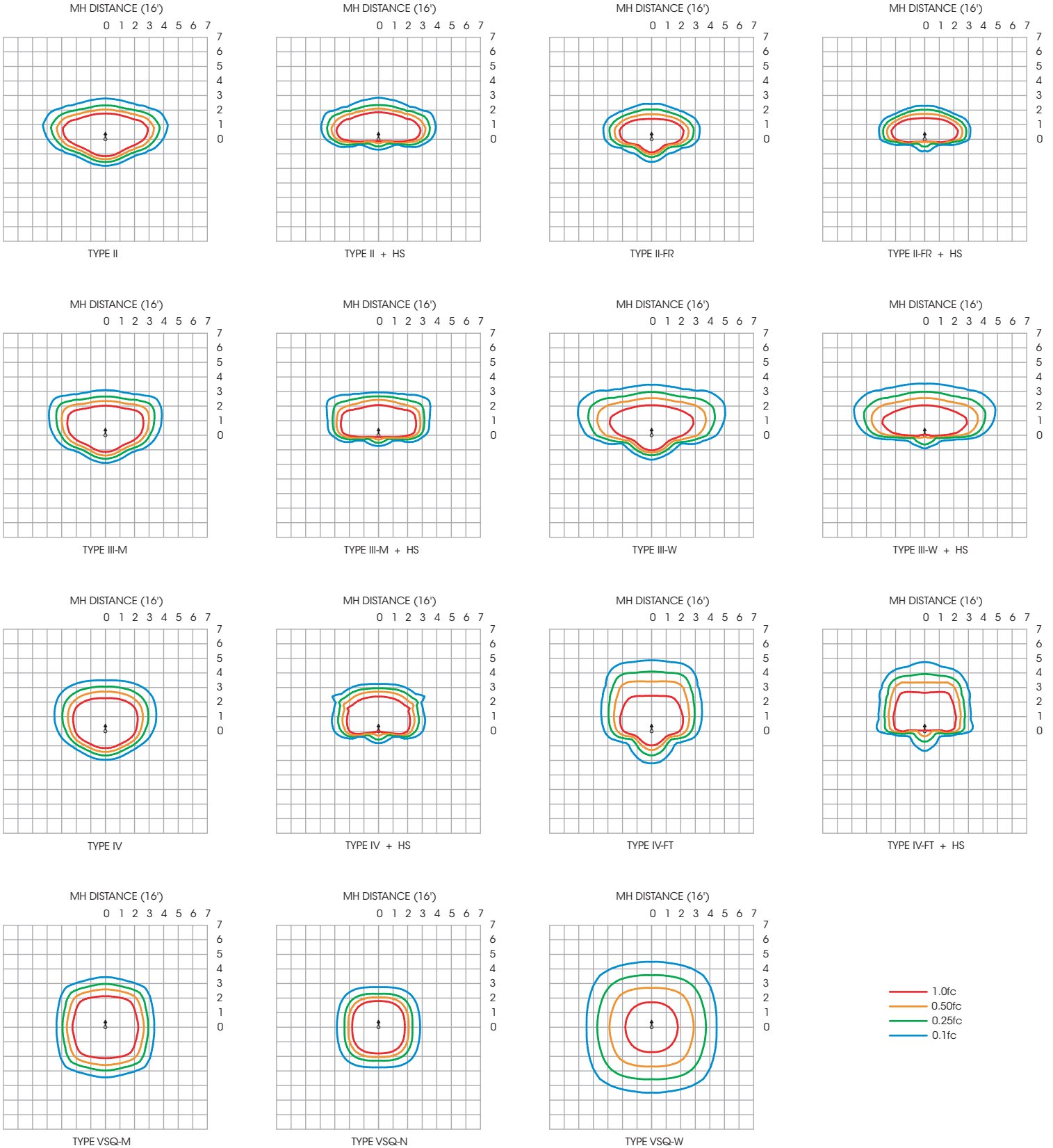
Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)

## ELECTRICAL DATA GUIDE - AMPERAGE CHART

| # of LEDs | mA  | System Watts | 120V | 208V | 277V | 347V | 480V |
|-----------|-----|--------------|------|------|------|------|------|
| 20        | 350 | 23.6         | 0.20 | 0.11 | 0.09 | 0.07 | 0.05 |
| 20        | 525 | 35.5         | 0.30 | 0.17 | 0.13 | 0.10 | 0.07 |
| 20        | 700 | 47.0         | 0.39 | 0.23 | 0.17 | 0.14 | 0.10 |
| 20        | 875 | 58.4         | 0.49 | 0.28 | 0.21 | 0.17 | 0.12 |
| 36        | 350 | 41.3         | 0.34 | 0.20 | 0.15 | 0.12 | 0.09 |
| 36        | 525 | 62.0         | 0.52 | 0.30 | 0.22 | 0.18 | 0.13 |
| 36        | 700 | 82.6         | 0.69 | 0.40 | 0.30 | 0.24 | 0.17 |
| 36        | 875 | 103.1        | 0.86 | 0.50 | 0.37 | 0.30 | 0.21 |
| 48        | 175 | 26.5         | 0.22 | 0.13 | 0.10 | 0.08 | 0.06 |
| 48        | 350 | 53.6         | 0.45 | 0.26 | 0.19 | 0.15 | 0.11 |
| 48        | 525 | 80.7         | 0.67 | 0.39 | 0.29 | 0.23 | 0.17 |
| 48        | 700 | 108.0        | 0.90 | 0.52 | 0.39 | 0.31 | 0.23 |
| 48        | 875 | 134.7        | 1.12 | 0.65 | 0.49 | 0.39 | 0.28 |
| 80        | 175 | 41.9         | 0.35 | 0.20 | 0.15 | 0.12 | 0.09 |
| 80        | 350 | 85.8         | 0.72 | 0.41 | 0.31 | 0.25 | 0.18 |
| 80        | 525 | 129.7        | 1.08 | 0.62 | 0.47 | 0.37 | 0.27 |
| 80        | 700 | 173.5        | 1.45 | 0.83 | 0.63 | 0.50 | 0.36 |
| 80        | 875 | 221.5        | 1.85 | 1.06 | 0.80 | 0.64 | 0.46 |

**PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS**

PAC18-PLED-36LED-700mA-40K - 16 Mounting Height (14' Pole)





## PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-LED)

### PAC18-LED

| LED Count | Drive Current (mA) | System Watts | Dist'n Type | 27K (2700K - 70CRI) |      |            | 30K (3000K - 70CRI) |     |            | 40K (4000K - 70CRI) |     |            | 50K (5000K - 70CRI) |     |            | System Watts | TRA (590nm) |          |            |
|-----------|--------------------|--------------|-------------|---------------------|------|------------|---------------------|-----|------------|---------------------|-----|------------|---------------------|-----|------------|--------------|-------------|----------|------------|
|           |                    |              |             | LUMENS              | LPW  | BUG RATING | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING |              | LUMENS      | LPW      | BUG RATING |
| 20        | 350                | 23.6         | II          | 3152                | 134  | B1-U0-G1   | 3288                | 139 | B1-U0-G1   | 3426                | 145 | B1-U0-G1   | 3563                | 151 | B1-U0-G1   | 18.2         | 1096        | 60       | B0-U0-G0   |
|           |                    |              | II-FR       | 3173                | 134  | B1-U0-G1   | 3311                | 140 | B1-U0-G1   | 3449                | 146 | B1-U0-G1   | 3587                | 152 | B1-U0-G1   |              | 1104        | 61       | B0-U0-G0   |
|           |                    |              | III-M       | 3207                | 136  | B1-U0-G1   | 3346                | 142 | B1-U0-G1   | 3486                | 148 | B1-U0-G1   | 3625                | 154 | B1-U0-G1   |              | 1115        | 61       | B0-U0-G0   |
|           |                    |              | III-W       | 2978                | 126  | B1-U0-G1   | 3107                | 132 | B1-U0-G1   | 3237                | 137 | B1-U0-G1   | 3366                | 143 | B1-U0-G1   |              | 1036        | 57       | B0-U0-G1   |
|           |                    |              | IV          | 3183                | 135  | B1-U0-G1   | 3321                | 141 | B1-U0-G1   | 3459                | 147 | B1-U0-G1   | 3598                | 152 | B1-U0-G1   |              | 1107        | 61       | B0-U0-G0   |
|           |                    |              | IV-FT       | 2899                | 123  | B1-U0-G1   | 3025                | 128 | B1-U0-G1   | 3151                | 134 | B1-U0-G1   | 3277                | 139 | B1-U0-G1   |              | 1008        | 55       | B0-U0-G1   |
|           |                    |              | VSQ-N       | 3327                | 141  | B2-U0-G0   | 3472                | 147 | B2-U0-G0   | 3616                | 153 | B2-U0-G0   | 3761                | 159 | B2-U0-G0   |              | 1157        | 64       | B1-U0-G0   |
|           |                    |              | VSQ-M       | 3262                | 138  | B2-U0-G1   | 3404                | 144 | B2-U0-G1   | 3546                | 150 | B2-U0-G1   | 3688                | 156 | B2-U0-G1   |              | 1135        | 62       | B1-U0-G0   |
|           |                    |              | VSQ-W       | 3184                | 135  | B2-U0-G1   | 3322                | 141 | B2-U0-G1   | 3461                | 147 | B3-U0-G1   | 3600                | 153 | B3-U0-G1   |              | 1108        | 61       | B1-U0-G1   |
|           |                    |              | II-HS       | 2305                | 98   | B0-U0-G1   | 2405                | 102 | B0-U0-G1   | 2505                | 106 | B0-U0-G1   | 2606                | 110 | B0-U0-G1   |              | 802         | 44       | B0-U0-G1   |
|           |                    |              | II-FR-HS    | 2345                | 99   | B0-U0-G0   | 2447                | 104 | B0-U0-G0   | 2549                | 108 | B0-U0-G0   | 2651                | 112 | B0-U0-G0   |              | 816         | 45       | B0-U0-G0   |
|           |                    |              | III-M-HS    | 2332                | 99   | B0-U0-G1   | 2433                | 103 | B0-U0-G1   | 2535                | 107 | B0-U0-G1   | 2636                | 112 | B0-U0-G1   |              | 811         | 45       | B0-U0-G0   |
|           |                    |              | III-W-HS    | 2282                | 97   | B0-U0-G1   | 2382                | 101 | B0-U0-G1   | 2481                | 105 | B0-U0-G1   | 2580                | 109 | B0-U0-G1   |              | 794         | 44       | B0-U0-G1   |
|           |                    |              | IV-HS       | 2409                | 102  | B0-U0-G1   | 2513                | 106 | B0-U0-G1   | 2618                | 111 | B0-U0-G1   | 2722                | 115 | B0-U0-G1   |              | 838         | 46       | B0-U0-G0   |
|           |                    |              | IV-FT-HS    | 2277                | 96   | B0-U0-G1   | 2376                | 101 | B0-U0-G1   | 2475                | 105 | B0-U0-G1   | 2574                | 109 | B0-U0-G1   |              | 792         | 44       | B0-U0-G1   |
|           |                    |              | 20          | 525                 | 35.5 | II         | 4481                | 126 | B1-U0-G1   | 4676                | 132 | B1-U0-G1   | 4871                | 137 | B1-U0-G1   |              | 5066        | 143      | B1-U0-G1   |
| II-FR     | 4511               | 127          |             |                     |      | B1-U0-G1   | 4707                | 133 | B1-U0-G1   | 4904                | 138 | B1-U0-G1   | 5100                | 144 | B1-U0-G1   | 1275         | 47          | B1-U0-G0 |            |
| III-M     | 4560               | 128          |             |                     |      | B1-U0-G1   | 4758                | 134 | B1-U0-G1   | 4956                | 140 | B1-U0-G1   | 5154                | 145 | B1-U0-G1   | 1288         | 47          | B0-U0-G0 |            |
| III-W     | 4234               | 119          |             |                     |      | B1-U0-G2   | 4418                | 124 | B1-U0-G2   | 4602                | 130 | B1-U0-G2   | 4786                | 135 | B1-U0-G2   | 1196         | 44          | B0-U0-G1 |            |
| IV        | 4525               | 127          |             |                     |      | B1-U0-G1   | 4722                | 133 | B1-U0-G1   | 4919                | 139 | B1-U0-G1   | 5116                | 144 | B1-U0-G1   | 1279         | 47          | B0-U0-G1 |            |
| IV-FT     | 4123               | 116          |             |                     |      | B1-U0-G2   | 4302                | 121 | B1-U0-G2   | 4481                | 126 | B1-U0-G2   | 4660                | 131 | B1-U0-G2   | 1165         | 43          | B0-U0-G1 |            |
| VSQ-N     | 4730               | 133          |             |                     |      | B2-U0-G1   | 4935                | 139 | B2-U0-G1   | 5141                | 145 | B2-U0-G1   | 5347                | 151 | B2-U0-G1   | 1337         | 49          | B1-U0-G0 |            |
| VSQ-M     | 4638               | 131          |             |                     |      | B3-U0-G1   | 4839                | 136 | B3-U0-G1   | 5041                | 142 | B3-U0-G1   | 5243                | 148 | B3-U0-G1   | 1311         | 48          | B1-U0-G0 |            |
| VSQ-W     | 4528               | 128          |             |                     |      | B3-U0-G2   | 4725                | 133 | B3-U0-G2   | 4921                | 139 | B3-U0-G2   | 5118                | 144 | B3-U0-G2   | 1279         | 47          | B1-U0-G1 |            |
| II-HS     | 3278               | 92           |             |                     |      | B0-U0-G1   | 3420                | 96  | B0-U0-G1   | 3563                | 100 | B0-U0-G1   | 3705                | 104 | B0-U0-G1   | 926          | 34          | B0-U0-G1 |            |
| II-FR-HS  | 3334               | 94           |             |                     |      | B0-U0-G1   | 3479                | 98  | B0-U0-G1   | 3624                | 102 | B0-U0-G1   | 3768                | 106 | B0-U0-G1   | 942          | 35          | B0-U0-G0 |            |
| III-M-HS  | 3316               | 93           |             |                     |      | B0-U0-G1   | 3460                | 97  | B0-U0-G1   | 3604                | 102 | B0-U0-G1   | 3748                | 106 | B0-U0-G1   | 937          | 34          | B0-U0-G0 |            |
| III-W-HS  | 3246               | 91           |             |                     |      | B0-U0-G1   | 3387                | 95  | B0-U0-G1   | 3528                | 99  | B0-U0-G1   | 3669                | 103 | B0-U0-G2   | 917          | 34          | B0-U0-G1 |            |
| IV-HS     | 3425               | 96           |             |                     |      | B0-U0-G1   | 3574                | 101 | B0-U0-G1   | 3722                | 105 | B0-U0-G1   | 3871                | 109 | B0-U0-G1   | 968          | 35          | B0-U0-G0 |            |
| IV-FT-HS  | 3237               | 91           |             |                     |      | B0-U0-G2   | 3377                | 95  | B0-U0-G2   | 3518                | 99  | B0-U0-G2   | 3659                | 103 | B0-U0-G2   | 915          | 34          | B0-U0-G1 |            |
| 20        | 700                | 47.0         |             |                     |      | II         | 5637                | 120 | B1-U0-G1   | 5882                | 125 | B2-U0-G1   | 6127                | 130 | B2-U0-G1   | 6372         | 136         | B2-U0-G2 | N/A        |
|           |                    |              | II-FR       | 5674                | 121  | B2-U0-G1   | 5921                | 126 | B2-U0-G1   | 6168                | 131 | B2-U0-G1   | 6414                | 136 | B2-U0-G1   |              |             |          |            |
|           |                    |              | III-M       | 5735                | 122  | B1-U0-G2   | 5984                | 127 | B1-U0-G2   | 6234                | 133 | B2-U0-G2   | 6483                | 138 | B2-U0-G2   |              |             |          |            |
|           |                    |              | III-W       | 5325                | 113  | B1-U0-G2   | 5556                | 118 | B1-U0-G2   | 5788                | 123 | B1-U0-G2   | 6019                | 128 | B1-U0-G2   |              |             |          |            |
|           |                    |              | IV          | 5692                | 121  | B1-U0-G1   | 5939                | 126 | B1-U0-G2   | 6187                | 132 | B2-U0-G2   | 6435                | 137 | B2-U0-G2   |              |             |          |            |
|           |                    |              | IV-FT       | 5185                | 110  | B1-U0-G2   | 5410                | 115 | B1-U0-G2   | 5636                | 120 | B1-U0-G2   | 5861                | 125 | B1-U0-G2   |              |             |          |            |
|           |                    |              | VSQ-N       | 5949                | 127  | B2-U0-G1   | 6208                | 132 | B2-U0-G1   | 6466                | 138 | B2-U0-G1   | 6725                | 143 | B2-U0-G1   |              |             |          |            |
|           |                    |              | VSQ-M       | 5834                | 124  | B3-U0-G1   | 6088                | 130 | B3-U0-G1   | 6341                | 135 | B3-U0-G1   | 6595                | 140 | B3-U0-G1   |              |             |          |            |
|           |                    |              | VSQ-W       | 5694                | 121  | B3-U0-G2   | 5942                | 126 | B3-U0-G2   | 6189                | 132 | B3-U0-G2   | 6437                | 137 | B3-U0-G2   |              |             |          |            |
|           |                    |              | II-HS       | 4122                | 88   | B0-U0-G1   | 4302                | 92  | B0-U0-G1   | 4481                | 95  | B0-U0-G1   | 4660                | 99  | B1-U0-G1   |              |             |          |            |
|           |                    |              | II-FR-HS    | 4193                | 89   | B0-U0-G1   | 4376                | 93  | B0-U0-G1   | 4558                | 97  | B0-U0-G1   | 4740                | 101 | B0-U0-G1   |              |             |          |            |
|           |                    |              | III-M-HS    | 4170                | 89   | B0-U0-G1   | 4351                | 93  | B0-U0-G2   | 4533                | 96  | B0-U0-G2   | 4714                | 100 | B0-U0-G2   |              |             |          |            |
|           |                    |              | III-W-HS    | 4082                | 87   | B0-U0-G2   | 4259                | 91  | B0-U0-G2   | 4437                | 94  | B0-U0-G2   | 4614                | 98  | B0-U0-G2   |              |             |          |            |
|           |                    |              | IV-HS       | 4308                | 92   | B0-U0-G1   | 4495                | 96  | B0-U0-G1   | 4682                | 100 | B0-U0-G2   | 4869                | 104 | B0-U0-G2   |              |             |          |            |
|           |                    |              | IV-FT-HS    | 4071                | 87   | B0-U0-G2   | 4248                | 90  | B0-U0-G2   | 4425                | 94  | B0-U0-G2   | 4602                | 98  | B0-U0-G2   |              |             |          |            |
|           |                    |              | 20          | 875                 | 58.4 | II         | 6639                | 114 | B2-U0-G2   | 6928                | 119 | B2-U0-G2   | 7216                | 124 | B2-U0-G2   | 7505         | 129         | B2-U0-G2 |            |
| II-FR     | 6683               | 114          |             |                     |      | B2-U0-G1   | 6974                | 119 | B2-U0-G1   | 7264                | 124 | B2-U0-G1   | 7555                | 129 | B2-U0-G1   |              |             |          |            |
| III-M     | 6755               | 116          |             |                     |      | B2-U0-G2   | 7048                | 121 | B2-U0-G2   | 7342                | 126 | B2-U0-G2   | 7636                | 131 | B2-U0-G2   |              |             |          |            |
| III-W     | 6272               | 107          |             |                     |      | B1-U0-G2   | 6545                | 112 | B1-U0-G2   | 6817                | 117 | B1-U0-G2   | 7090                | 121 | B1-U0-G2   |              |             |          |            |
| IV        | 6704               | 115          |             |                     |      | B2-U0-G2   | 6996                | 120 | B2-U0-G2   | 7287                | 125 | B2-U0-G2   | 7579                | 130 | B2-U0-G2   |              |             |          |            |
| IV-FT     | 6107               | 105          |             |                     |      | B1-U0-G2   | 6373                | 109 | B1-U0-G2   | 6638                | 114 | B1-U0-G2   | 6904                | 118 | B1-U0-G2   |              |             |          |            |
| VSQ-N     | 7007               | 120          |             |                     |      | B2-U0-G1   | 7312                | 125 | B2-U0-G1   | 7617                | 130 | B2-U0-G1   | 7921                | 136 | B3-U0-G1   |              |             |          |            |
| VSQ-M     | 6871               | 118          |             |                     |      | B3-U0-G1   | 7170                | 123 | B3-U0-G1   | 7469                | 128 | B3-U0-G1   | 7767                | 133 | B3-U0-G2   |              |             |          |            |
| VSQ-W     | 6707               | 115          |             |                     |      | B3-U0-G2   | 6999                | 120 | B3-U0-G2   | 7290                | 125 | B3-U0-G2   | 7582                | 130 | B3-U0-G2   |              |             |          |            |
| II-HS     | 4855               | 83           |             |                     |      | B1-U0-G2   | 5066                | 87  | B1-U0-G2   | 5278                | 90  | B1-U0-G2   | 5489                | 94  | B1-U0-G2   |              |             |          |            |
| II-FR-HS  | 4939               | 85           |             |                     |      | B0-U0-G1   | 5154                | 88  | B0-U0-G1   | 5368                | 92  | B0-U0-G1   | 5583                | 96  | B0-U0-G1   |              |             |          |            |
| III-M-HS  | 4912               | 84           |             |                     |      | B0-U0-G2   | 5126                | 88  | B0-U0-G2   | 5339                | 91  | B0-U0-G2   | 5553                | 95  | B0-U0-G2   |              |             |          |            |
| III-W-HS  | 4808               | 82           |             |                     |      | B0-U0-G2   | 5017                | 86  | B0-U0-G2   | 5226                | 89  | B0-U0-G2   | 5436                | 93  | B0-U0-G2   |              |             |          |            |
| IV-HS     | 5074               | 87           |             |                     |      | B0-U0-G2   | 5295                | 91  | B0-U0-G2   | 5515                | 94  | B0-U0-G2   | 5735                | 98  | B0-U0-G2   |              |             |          |            |
| IV-FT-HS  | 4795               | 82           |             |                     |      | B0-U0-G2   | 5003                | 86  | B0-U0-G2   | 5212                | 89  | B0-U0-G2   | 5420                | 93  | B0-U0-G2   |              |             |          |            |

IES File downloads for this product can be found at [www.usalgt.com/downloads/asr.html](http://www.usalgt.com/downloads/asr.html)

## PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-LED)

| PAC18-LED |                    |              |             |                     |      |            |                     |     |            |                     |     |            |                     |     |            |              |             |          |            |      |      |    |          |
|-----------|--------------------|--------------|-------------|---------------------|------|------------|---------------------|-----|------------|---------------------|-----|------------|---------------------|-----|------------|--------------|-------------|----------|------------|------|------|----|----------|
| LED Count | Drive Current (mA) | System Watts | Dist'n Type | 27K (2700K - 70CRI) |      |            | 30K (3000K - 70CRI) |     |            | 40K (4000K - 70CRI) |     |            | 50K (5000K - 70CRI) |     |            | System Watts | TRA (590nm) |          |            |      |      |    |          |
|           |                    |              |             | LUMENS              | LPW  | BUG RATING | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING |              | LUMENS      | LPW      | BUG RATING |      |      |    |          |
| 36        | 350                | 41.3         | II          | 5529                | 134  | B1-U0-G1   | 5769                | 140 | B2-U0-G1   | 6010                | 146 | B2-U0-G1   | 6250                | 151 | B2-U0-G1   | 31.8         | 1923        | 60       | B1-U0-G1   |      |      |    |          |
|           |                    |              | II-FR       | 5567                | 135  | B1-U0-G1   | 5809                | 141 | B2-U0-G1   | 6051                | 147 | B2-U0-G1   | 6293                | 152 | B2-U0-G1   |              | 1936        | 61       | B1-U0-G0   |      |      |    |          |
|           |                    |              | III-M       | 5626                | 136  | B1-U0-G1   | 5871                | 142 | B1-U0-G2   | 6115                | 148 | B1-U0-G2   | 6360                | 154 | B2-U0-G2   |              | 1957        | 62       | B1-U0-G1   |      |      |    |          |
|           |                    |              | III-W       | 5224                | 126  | B1-U0-G2   | 5451                | 132 | B1-U0-G2   | 5678                | 137 | B1-U0-G2   | 5905                | 143 | B1-U0-G2   |              | 1817        | 57       | B1-U0-G1   |      |      |    |          |
|           |                    |              | IV          | 5584                | 135  | B1-U0-G1   | 5826                | 141 | B1-U0-G1   | 6069                | 147 | B2-U0-G2   | 6312                | 153 | B2-U0-G2   |              | 1942        | 61       | B1-U0-G1   |      |      |    |          |
|           |                    |              | IV-FT       | 5086                | 123  | B1-U0-G2   | 5307                | 129 | B1-U0-G2   | 5529                | 134 | B1-U0-G2   | 5750                | 139 | B1-U0-G2   |              | 1769        | 56       | B1-U0-G1   |      |      |    |          |
|           |                    |              | VSQ-N       | 5837                | 141  | B2-U0-G1   | 6091                | 147 | B2-U0-G1   | 6344                | 154 | B2-U0-G1   | 6598                | 160 | B2-U0-G1   |              | 2030        | 64       | B1-U0-G0   |      |      |    |          |
|           |                    |              | VSQ-M       | 5723                | 139  | B3-U0-G1   | 5972                | 145 | B3-U0-G1   | 6221                | 151 | B3-U0-G1   | 6469                | 157 | B3-U0-G1   |              | 1991        | 63       | B1-U0-G0   |      |      |    |          |
|           |                    |              | VSQ-W       | 5586                | 135  | B3-U0-G2   | 5829                | 141 | B3-U0-G2   | 6072                | 147 | B3-U0-G2   | 6315                | 153 | B3-U0-G2   |              | 1943        | 61       | B2-U0-G1   |      |      |    |          |
|           |                    |              | II-HS       | 4044                | 98   | B0-U0-G1   | 4220                | 102 | B0-U0-G1   | 4395                | 106 | B0-U0-G1   | 4571                | 111 | B1-U0-G1   |              | 1407        | 44       | B0-U0-G0   |      |      |    |          |
|           |                    |              | II-FR-HS    | 4114                | 100  | B0-U0-G1   | 4293                | 104 | B0-U0-G1   | 4471                | 108 | B0-U0-G1   | 4650                | 113 | B0-U0-G1   |              | 1431        | 45       | B0-U0-G0   |      |      |    |          |
|           |                    |              | III-M-HS    | 4091                | 99   | B0-U0-G1   | 4269                | 103 | B0-U0-G2   | 4447                | 108 | B0-U0-G2   | 4624                | 112 | B0-U0-G2   |              | 1423        | 45       | B0-U0-G0   |      |      |    |          |
|           |                    |              | III-W-HS    | 4005                | 97   | B0-U0-G2   | 4178                | 101 | B0-U0-G2   | 4353                | 105 | B0-U0-G2   | 4527                | 110 | B0-U0-G2   |              | 1393        | 44       | B0-U0-G1   |      |      |    |          |
|           |                    |              | IV-HS       | 4225                | 102  | B0-U0-G1   | 4409                | 107 | B0-U0-G1   | 4592                | 111 | B0-U0-G1   | 4776                | 116 | B0-U0-G2   |              | 1470        | 46       | B0-U0-G0   |      |      |    |          |
|           |                    |              | IV-FT-HS    | 3994                | 97   | B0-U0-G2   | 4167                | 101 | B0-U0-G2   | 4341                | 105 | B0-U0-G2   | 4515                | 109 | B0-U0-G2   |              | 1389        | 44       | B0-U0-G1   |      |      |    |          |
|           |                    |              | 36          | 525                 | 62.0 | II         | 7862                | 127 | B2-U0-G2   | 8204                | 132 | B2-U0-G2   | 8545                | 138 | B2-U0-G2   |              | 8887        | 143      | B2-U0-G2   | 47.7 | 2222 | 47 | B1-U0-G1 |
|           |                    |              |             |                     |      | II-FR      | 7915                | 128 | B2-U0-G1   | 8259                | 133 | B2-U0-G1   | 8603                | 139 | B2-U0-G1   |              | 8947        | 144      | B2-U0-G1   |      | 2237 | 47 | B1-U0-G0 |
|           |                    |              |             |                     |      | III-M      | 7999                | 129 | B2-U0-G2   | 8347                | 135 | B2-U0-G2   | 8695                | 140 | B2-U0-G2   |              | 9043        | 146      | B2-U0-G2   |      | 2261 | 47 | B1-U0-G1 |
|           |                    |              |             |                     |      | III-W      | 7428                | 120 | B1-U0-G2   | 7751                | 125 | B1-U0-G2   | 8074                | 130 | B2-U0-G2   |              | 8397        | 135      | B2-U0-G2   |      | 2099 | 44 | B1-U0-G1 |
|           |                    |              |             |                     |      | IV         | 7939                | 128 | B2-U0-G2   | 8284                | 134 | B2-U0-G2   | 8630                | 139 | B2-U0-G2   |              | 8975        | 145      | B2-U0-G2   |      | 2244 | 47 | B1-U0-G1 |
| IV-FT     | 7232               | 117          |             |                     |      | B2-U0-G2   | 7547                | 122 | B2-U0-G2   | 7861                | 127 | B2-U0-G2   | 8176                | 132 | B2-U0-G2   | 2044         | 43          | B1-U0-G1 |            |      |      |    |          |
| VSQ-N     | 8297               | 134          |             |                     |      | B3-U0-G1   | 8658                | 140 | B3-U0-G1   | 9019                | 145 | B3-U0-G1   | 9380                | 151 | B3-U0-G1   | 2345         | 49          | B1-U0-G0 |            |      |      |    |          |
| VSQ-M     | 8137               | 131          |             |                     |      | B3-U0-G2   | 8491                | 137 | B3-U0-G2   | 8844                | 143 | B3-U0-G2   | 9198                | 148 | B3-U0-G2   | 2299         | 48          | B2-U0-G1 |            |      |      |    |          |
| VSQ-W     | 7943               | 128          |             |                     |      | B3-U0-G2   | 8289                | 134 | B3-U0-G2   | 8634                | 139 | B4-U0-G2   | 8980                | 145 | B4-U0-G2   | 2245         | 47          | B2-U0-G1 |            |      |      |    |          |
| II-HS     | 5750               | 93           |             |                     |      | B1-U0-G2   | 6000                | 97  | B1-U0-G2   | 6250                | 101 | B1-U0-G2   | 6500                | 105 | B1-U0-G2   | 1625         | 34          | B0-U0-G0 |            |      |      |    |          |
| II-FR-HS  | 5849               | 94           |             |                     |      | B1-U0-G1   | 6103                | 98  | B1-U0-G1   | 6357                | 103 | B1-U0-G1   | 6611                | 107 | B1-U0-G1   | 1653         | 35          | B0-U0-G0 |            |      |      |    |          |
| III-M-HS  | 5817               | 94           |             |                     |      | B0-U0-G2   | 6069                | 98  | B0-U0-G2   | 6322                | 102 | B0-U0-G2   | 6575                | 106 | B0-U0-G2   | 1644         | 34          | B0-U0-G1 |            |      |      |    |          |
| III-W-HS  | 5694               | 92           |             |                     |      | B0-U0-G2   | 5941                | 96  | B0-U0-G2   | 6189                | 100 | B0-U0-G2   | 6436                | 104 | B0-U0-G2   | 1609         | 34          | B0-U0-G1 |            |      |      |    |          |
| IV-HS     | 6008               | 97           |             |                     |      | B0-U0-G2   | 6269                | 101 | B0-U0-G2   | 6530                | 105 | B0-U0-G2   | 6791                | 110 | B0-U0-G2   | 1698         | 36          | B0-U0-G1 |            |      |      |    |          |
| IV-FT-HS  | 5678               | 92           |             |                     |      | B0-U0-G2   | 5925                | 96  | B0-U0-G2   | 6172                | 100 | B0-U0-G2   | 6419                | 104 | B0-U0-G2   | 1605         | 34          | B0-U0-G1 |            |      |      |    |          |
| 36        | 700                | 82.6         | II          | 9889                | 120  | B2-U0-G2   | 10319               | 125 | B2-U0-G2   | 10749               | 130 | B2-U0-G2   | 11179               | 135 | B2-U0-G2   | N/A          | N/A         |          |            |      |      |    |          |
|           |                    |              | II-FR       | 9955                | 121  | B2-U0-G1   | 10388               | 126 | B2-U0-G1   | 10820               | 131 | B2-U0-G1   | 11253               | 136 | B3-U0-G1   |              |             |          |            |      |      |    |          |
|           |                    |              | III-M       | 10061               | 122  | B2-U0-G2   | 10499               | 127 | B2-U0-G2   | 10936               | 132 | B2-U0-G2   | 11374               | 138 | B2-U0-G2   |              |             |          |            |      |      |    |          |
|           |                    |              | III-W       | 9342                | 113  | B2-U0-G3   | 9748                | 118 | B2-U0-G3   | 10154               | 123 | B2-U0-G3   | 10560               | 128 | B2-U0-G3   |              |             |          |            |      |      |    |          |
|           |                    |              | IV          | 9986                | 121  | B2-U0-G2   | 10420               | 126 | B2-U0-G2   | 10854               | 131 | B2-U0-G2   | 11289               | 137 | B2-U0-G2   |              |             |          |            |      |      |    |          |
|           |                    |              | IV-FT       | 9096                | 110  | B2-U0-G3   | 9492                | 115 | B2-U0-G3   | 9887                | 120 | B2-U0-G3   | 10283               | 124 | B2-U0-G3   |              |             |          |            |      |      |    |          |
|           |                    |              | VSQ-N       | 10437               | 126  | B3-U0-G1   | 10890               | 132 | B3-U0-G1   | 11344               | 137 | B3-U0-G1   | 11798               | 143 | B3-U0-G1   |              |             |          |            |      |      |    |          |
|           |                    |              | VSQ-M       | 10235               | 124  | B3-U0-G2   | 10680               | 129 | B4-U0-G2   | 11125               | 135 | B4-U0-G2   | 11570               | 140 | B4-U0-G2   |              |             |          |            |      |      |    |          |
|           |                    |              | VSQ-W       | 9990                | 121  | B4-U0-G3   | 10425               | 126 | B4-U0-G3   | 10859               | 131 | B4-U0-G3   | 11294               | 137 | B4-U0-G3   |              |             |          |            |      |      |    |          |
|           |                    |              | II-HS       | 7232                | 88   | B1-U0-G2   | 7547                | 91  | B1-U0-G2   | 7861                | 95  | B1-U0-G2   | 8175                | 99  | B1-U0-G2   |              |             |          |            |      |      |    |          |
|           |                    |              | II-FR-HS    | 7356                | 89   | B1-U0-G1   | 7676                | 93  | B1-U0-G1   | 7996                | 97  | B1-U0-G1   | 8315                | 101 | B1-U0-G1   |              |             |          |            |      |      |    |          |
|           |                    |              | III-M-HS    | 7316                | 89   | B0-U0-G2   | 7634                | 92  | B1-U0-G2   | 7952                | 96  | B1-U0-G2   | 8270                | 100 | B1-U0-G2   |              |             |          |            |      |      |    |          |
|           |                    |              | III-W-HS    | 7161                | 87   | B0-U0-G2   | 7472                | 90  | B0-U0-G2   | 7784                | 94  | B0-U0-G2   | 8095                | 98  | B1-U0-G2   |              |             |          |            |      |      |    |          |
|           |                    |              | IV-HS       | 7557                | 91   | B1-U0-G2   | 7886                | 95  | B1-U0-G2   | 8214                | 99  | B1-U0-G2   | 8542                | 103 | B1-U0-G2   |              |             |          |            |      |      |    |          |
| IV-FT-HS  | 7142               | 86           | B1-U0-G3    | 7453                | 90   | B1-U0-G3   | 7763                | 94  | B1-U0-G3   | 8074                | 98  | B1-U0-G3   |                     |     |            |              |             |          |            |      |      |    |          |
| 36        | 875                | 103.1        | II          | 11647               | 113  | B2-U0-G2   | 12154               | 118 | B2-U0-G2   | 12660               | 123 | B2-U0-G2   | 13166               | 128 | B2-U0-G2   | N/A          | N/A         |          |            |      |      |    |          |
|           |                    |              | II-FR       | 11725               | 114  | B3-U0-G1   | 12235               | 119 | B3-U0-G1   | 12744               | 124 | B3-U0-G1   | 13254               | 129 | B3-U0-G1   |              |             |          |            |      |      |    |          |
|           |                    |              | III-M       | 11851               | 115  | B2-U0-G2   | 12366               | 120 | B2-U0-G2   | 12881               | 125 | B2-U0-G2   | 13396               | 130 | B2-U0-G2   |              |             |          |            |      |      |    |          |
|           |                    |              | III-W       | 11003               | 107  | B2-U0-G3   | 11482               | 111 | B2-U0-G3   | 11960               | 116 | B2-U0-G3   | 12438               | 121 | B2-U0-G3   |              |             |          |            |      |      |    |          |
|           |                    |              | IV          | 11762               | 114  | B2-U0-G2   | 12273               | 119 | B2-U0-G2   | 12784               | 124 | B2-U0-G2   | 13296               | 129 | B2-U0-G2   |              |             |          |            |      |      |    |          |
|           |                    |              | IV-FT       | 10715               | 104  | B2-U0-G3   | 11180               | 108 | B2-U0-G3   | 11646               | 113 | B2-U0-G3   | 12112               | 117 | B2-U0-G3   |              |             |          |            |      |      |    |          |
|           |                    |              | VSQ-N       | 12294               | 119  | B3-U0-G1   | 12828               | 124 | B3-U0-G1   | 13363               | 130 | B3-U0-G1   | 13897               | 135 | B3-U0-G1   |              |             |          |            |      |      |    |          |
|           |                    |              | VSQ-M       | 12054               | 117  | B4-U0-G2   | 12578               | 122 | B4-U0-G2   | 13102               | 127 | B4-U0-G2   | 13627               | 132 | B4-U0-G2   |              |             |          |            |      |      |    |          |
|           |                    |              | VSQ-W       | 11767               | 114  | B4-U0-G3   | 12278               | 119 | B4-U0-G3   | 12790               | 124 | B4-U0-G3   | 13302               | 129 | B4-U0-G3   |              |             |          |            |      |      |    |          |
|           |                    |              | II-HS       | 8518                | 83   | B1-U0-G2   | 8889                | 86  | B1-U0-G2   | 9259                | 90  | B1-U0-G2   | 9629                | 93  | B1-U0-G2   |              |             |          |            |      |      |    |          |
|           |                    |              | II-FR-HS    | 8665                | 84   | B1-U0-G1   | 9042                | 88  | B1-U0-G1   | 9418                | 91  | B1-U0-G1   | 9795                | 95  | B1-U0-G1   |              |             |          |            |      |      |    |          |
|           |                    |              | III-M-HS    | 8618                | 84   | B1-U0-G2   | 8992                | 87  | B1-U0-G2   | 9367                | 91  | B1-U0-G2   | 9741                | 94  | B1-U0-G2   |              |             |          |            |      |      |    |          |
|           |                    |              | III-W-HS    | 8436                | 82   | B1-U0-G2   | 8802                | 85  | B1-U0-G2   | 9169                | 89  | B1-U0-G2   | 9536                | 92  | B1-U0-G3   |              |             |          |            |      |      |    |          |
| IV-HS     | 8901               | 86           | B1-U0-G2    | 9288                | 90   | B1-U0-G2   | 9675                | 94  | B1-U0-G2   | 10062               | 98  | B1-U0-G2   |                     |     |            |              |             |          |            |      |      |    |          |
| IV-FT-HS  | 8413               | 82           | B1-U0-G3    | 8778                | 85   | B1-U0-G3   | 9144                | 89  | B1-U0-G3   | 9510                | 92  | B1-U0-G3   |                     |     |            |              |             |          |            |      |      |    |          |

IES File downloads for this product can be found at [www.usalgt.com/downloads/asr.html](http://www.usalgt.com/downloads/asr.html)

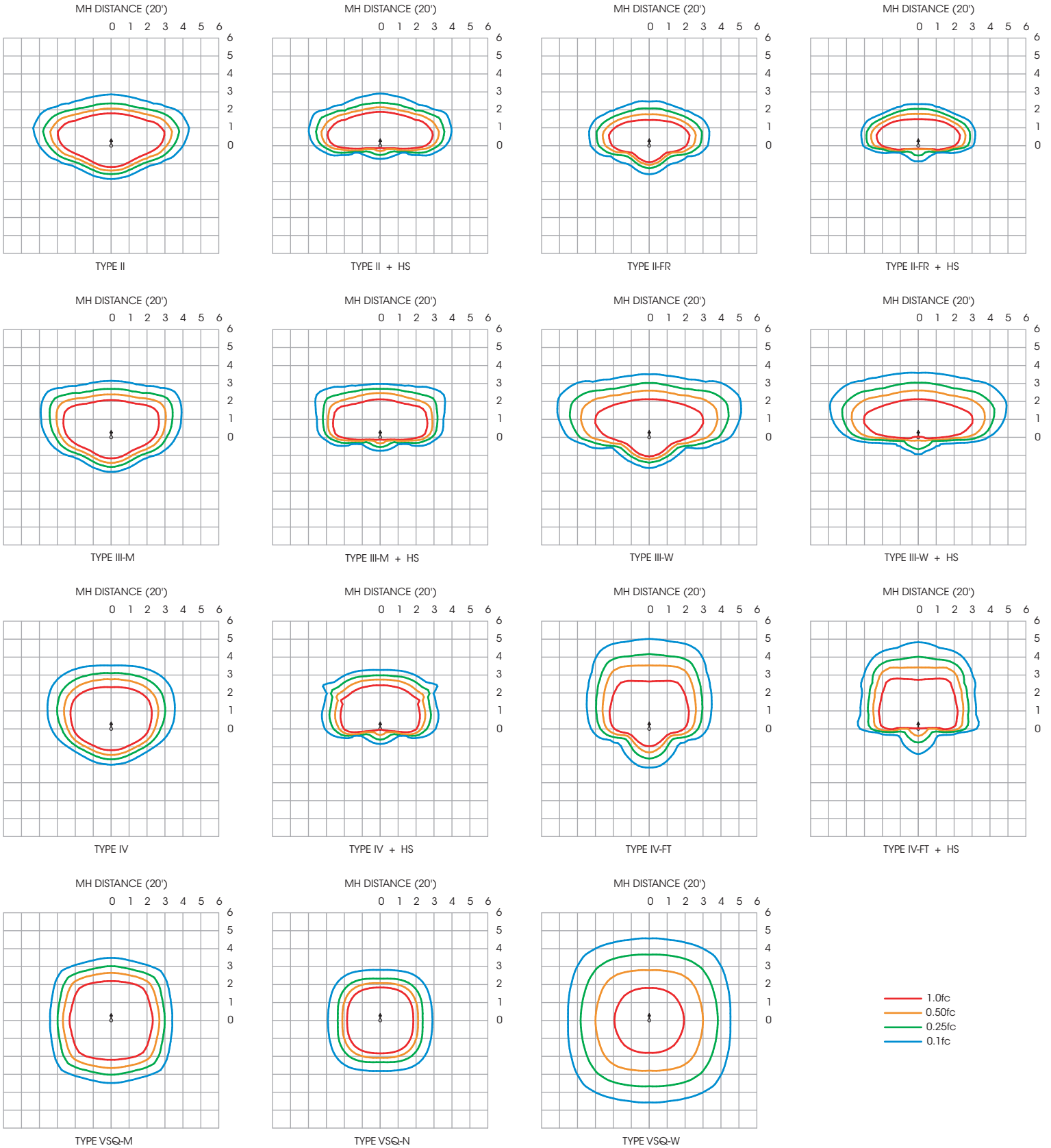
## PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PLED)

| PAC18-PLED |                    |              |             |                     |       |            |                     |     |            |                     |     |            |                     |     |            |              |             |          |            |      |      |    |          |     |  |  |
|------------|--------------------|--------------|-------------|---------------------|-------|------------|---------------------|-----|------------|---------------------|-----|------------|---------------------|-----|------------|--------------|-------------|----------|------------|------|------|----|----------|-----|--|--|
| LED Count  | Drive Current (mA) | System Watts | Dist'n Type | 27K (2700K - 70CRI) |       |            | 30K (3000K - 70CRI) |     |            | 40K (4000K - 70CRI) |     |            | 50K (5000K - 70CRI) |     |            | System Watts | TRA (590nm) |          |            |      |      |    |          |     |  |  |
|            |                    |              |             | LUMENS              | LPW   | BUG RATING | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING |              | LUMENS      | LPW      | BUG RATING |      |      |    |          |     |  |  |
| 48         | 350                | 53.6         | II          | 7280                | 136   | B2-U0-G2   | 7596                | 142 | B2-U0-G2   | 7913                | 148 | B2-U0-G2   | 8229                | 154 | B2-U0-G2   | 41.3         | 2532        | 61       | B1-U0-G1   |      |      |    |          |     |  |  |
|            |                    |              | II-FR       | 7329                | 137   | B2-U0-G1   | 7648                | 143 | B2-U0-G1   | 7967                | 149 | B2-U0-G1   | 8285                | 155 | B2-U0-G1   |              | 2549        | 62       | B1-U0-G1   |      |      |    |          |     |  |  |
|            |                    |              | III-M       | 7407                | 138   | B2-U0-G2   | 7729                | 144 | B2-U0-G2   | 8052                | 150 | B2-U0-G2   | 8374                | 156 | B2-U0-G2   |              | 2577        | 62       | B1-U0-G1   |      |      |    |          |     |  |  |
|            |                    |              | III-W       | 6878                | 128   | B1-U0-G2   | 7177                | 134 | B1-U0-G2   | 7476                | 139 | B1-U0-G2   | 7775                | 145 | B1-U0-G2   |              | 2392        | 58       | B1-U0-G1   |      |      |    |          |     |  |  |
|            |                    |              | IV          | 7351                | 137   | B2-U0-G2   | 7671                | 143 | B2-U0-G2   | 7991                | 149 | B2-U0-G2   | 8310                | 155 | B2-U0-G2   |              | 2557        | 62       | B1-U0-G1   |      |      |    |          |     |  |  |
|            |                    |              | IV-FT       | 6697                | 125   | B1-U0-G2   | 6988                | 130 | B1-U0-G2   | 7279                | 136 | B2-U0-G2   | 7570                | 141 | B2-U0-G2   |              | 2329        | 56       | B1-U0-G1   |      |      |    |          |     |  |  |
|            |                    |              | VSQ-N       | 7685                | 143   | B2-U0-G1   | 8019                | 150 | B3-U0-G1   | 8353                | 156 | B3-U0-G1   | 8687                | 162 | B3-U0-G1   |              | 2673        | 65       | B1-U0-G0   |      |      |    |          |     |  |  |
|            |                    |              | VSQ-M       | 7534                | 141   | B3-U0-G1   | 7862                | 147 | B3-U0-G2   | 8190                | 153 | B3-U0-G2   | 8517                | 159 | B3-U0-G2   |              | 2621        | 63       | B2-U0-G1   |      |      |    |          |     |  |  |
|            |                    |              | VSQ-W       | 7355                | 137   | B3-U0-G2   | 7674                | 143 | B3-U0-G2   | 7994                | 149 | B3-U0-G2   | 8314                | 155 | B3-U0-G2   |              | 2558        | 62       | B2-U0-G1   |      |      |    |          |     |  |  |
|            |                    |              | II-HS       | 5324                | 99    | B1-U0-G2   | 5556                | 104 | B1-U0-G2   | 5787                | 108 | B1-U0-G2   | 6019                | 112 | B1-U0-G2   |              | 1852        | 45       | B0-U0-G1   |      |      |    |          |     |  |  |
|            |                    |              | II-FR-HS    | 5416                | 101   | B0-U0-G1   | 5652                | 105 | B1-U0-G1   | 5887                | 110 | B1-U0-G1   | 6123                | 114 | B1-U0-G1   |              | 1884        | 46       | B0-U0-G0   |      |      |    |          |     |  |  |
|            |                    |              | III-M-HS    | 5386                | 100   | B0-U0-G2   | 5620                | 105 | B0-U0-G2   | 5854                | 109 | B0-U0-G2   | 6089                | 114 | B0-U0-G2   |              | 1873        | 45       | B0-U0-G1   |      |      |    |          |     |  |  |
|            |                    |              | III-W-HS    | 5272                | 98    | B0-U0-G2   | 5501                | 103 | B0-U0-G2   | 5731                | 107 | B0-U0-G2   | 5960                | 111 | B0-U0-G2   |              | 1834        | 44       | B0-U0-G1   |      |      |    |          |     |  |  |
|            |                    |              | IV-HS       | 5563                | 104   | B0-U0-G2   | 5805                | 108 | B0-U0-G2   | 6047                | 113 | B0-U0-G2   | 6288                | 117 | B0-U0-G2   |              | 1935        | 47       | B0-U0-G1   |      |      |    |          |     |  |  |
|            |                    |              | IV-FT-HS    | 5258                | 98    | B0-U0-G2   | 5487                | 102 | B0-U0-G2   | 5715                | 107 | B0-U0-G2   | 5944                | 111 | B0-U0-G2   |              | 1829        | 44       | B0-U0-G1   |      |      |    |          |     |  |  |
|            |                    |              | 48          | 525                 | 80.7  | II         | 10351               | 128 | B2-U0-G2   | 10801               | 134 | B2-U0-G2   | 11251               | 139 | B2-U0-G2   |              | 11701       | 145      | B2-U0-G2   | 62.1 | 2925 | 47 | B1-U0-G1 |     |  |  |
|            |                    |              |             |                     |       | II-FR      | 10420               | 129 | B2-U0-G1   | 10873               | 135 | B2-U0-G1   | 11326               | 140 | B3-U0-G1   |              | 11779       | 146      | B3-U0-G1   |      | 2945 | 47 | B1-U0-G1 |     |  |  |
| III-M      | 10532              | 131          |             |                     |       | B2-U0-G2   | 10990               | 136 | B2-U0-G2   | 11448               | 142 | B2-U0-G2   | 11906               | 148 | B2-U0-G2   | 2976         | 48          | B1-U0-G1 |            |      |      |    |          |     |  |  |
| III-W      | 9780               | 121          |             |                     |       | B2-U0-G3   | 10205               | 126 | B2-U0-G3   | 10630               | 132 | B2-U0-G3   | 11055               | 137 | B2-U0-G3   | 2764         | 45          | B1-U0-G1 |            |      |      |    |          |     |  |  |
| IV         | 10453              | 130          |             |                     |       | B2-U0-G2   | 10907               | 135 | B2-U0-G2   | 11362               | 141 | B2-U0-G2   | 11816               | 146 | B2-U0-G2   | 2954         | 48          | B1-U0-G1 |            |      |      |    |          |     |  |  |
| IV-FT      | 9522               | 118          |             |                     |       | B2-U0-G3   | 9936                | 123 | B2-U0-G3   | 10350               | 128 | B2-U0-G3   | 10764               | 133 | B2-U0-G3   | 2691         | 43          | B1-U0-G1 |            |      |      |    |          |     |  |  |
| VSQ-N      | 10925              | 135          |             |                     |       | B3-U0-G1   | 11400               | 141 | B3-U0-G1   | 11875               | 147 | B3-U0-G1   | 12350               | 153 | B3-U0-G1   | 3088         | 50          | B1-U0-G0 |            |      |      |    |          |     |  |  |
| VSQ-M      | 10713              | 133          |             |                     |       | B4-U0-G2   | 11178               | 139 | B4-U0-G2   | 11644               | 144 | B4-U0-G2   | 12110               | 150 | B4-U0-G2   | 3027         | 49          | B2-U0-G1 |            |      |      |    |          |     |  |  |
| VSQ-W      | 10459              | 130          |             |                     |       | B4-U0-G3   | 10913               | 135 | B4-U0-G3   | 11368               | 141 | B4-U0-G3   | 11823               | 147 | B4-U0-G3   | 2955         | 48          | B2-U0-G1 |            |      |      |    |          |     |  |  |
| II-HS      | 7570               | 94           |             |                     |       | B1-U0-G2   | 7900                | 98  | B1-U0-G2   | 8229                | 102 | B1-U0-G2   | 8558                | 106 | B1-U0-G2   | 2139         | 34          | B0-U0-G1 |            |      |      |    |          |     |  |  |
| II-FR-HS   | 7700               | 95           |             |                     |       | B1-U0-G1   | 8035                | 100 | B1-U0-G1   | 8370                | 104 | B1-U0-G1   | 8705                | 108 | B1-U0-G1   | 2176         | 35          | B0-U0-G0 |            |      |      |    |          |     |  |  |
| III-M-HS   | 7658               | 95           |             |                     |       | B1-U0-G2   | 7991                | 99  | B1-U0-G2   | 8324                | 103 | B1-U0-G2   | 8657                | 107 | B1-U0-G2   | 2164         | 35          | B0-U0-G1 |            |      |      |    |          |     |  |  |
| III-W-HS   | 7496               | 93           |             |                     |       | B0-U0-G2   | 7822                | 97  | B0-U0-G2   | 8148                | 101 | B1-U0-G2   | 8474                | 105 | B1-U0-G2   | 2118         | 34          | B0-U0-G1 |            |      |      |    |          |     |  |  |
| IV-HS      | 7910               | 98           |             |                     |       | B1-U0-G2   | 8254                | 102 | B1-U0-G2   | 8598                | 107 | B1-U0-G2   | 8942                | 111 | B1-U0-G2   | 2235         | 36          | B0-U0-G1 |            |      |      |    |          |     |  |  |
| IV-FT-HS   | 7476               | 93           |             |                     |       | B1-U0-G3   | 7801                | 97  | B1-U0-G3   | 8126                | 101 | B1-U0-G3   | 8451                | 105 | B1-U0-G3   | 2113         | 34          | B0-U0-G1 |            |      |      |    |          |     |  |  |
| 48         | 700                | 108.0        |             |                     |       | II         | 13020               | 121 | B2-U0-G2   | 13586               | 126 | B2-U0-G2   | 14152               | 131 | B2-U0-G2   | 14718        | 136         | B3-U0-G2 | N/A        |      | N/A  |    |          |     |  |  |
|            |                    |              |             |                     |       | II-FR      | 13106               | 121 | B3-U0-G1   | 13676               | 127 | B3-U0-G1   | 14246               | 132 | B3-U0-G1   | 14816        | 137         | B3-U0-G2 |            |      |      |    |          |     |  |  |
|            |                    |              | III-M       | 13247               | 123   | B2-U0-G2   | 13823               | 128 | B2-U0-G2   | 14399               | 133 | B2-U0-G2   | 14975               | 139 | B2-U0-G2   |              |             |          |            |      |      |    |          |     |  |  |
|            |                    |              | III-W       | 12299               | 114   | B2-U0-G3   | 12834               | 119 | B2-U0-G3   | 13369               | 124 | B2-U0-G3   | 13903               | 129 | B2-U0-G3   |              |             |          |            |      |      |    |          |     |  |  |
|            |                    |              | IV          | 13147               | 122   | B2-U0-G2   | 13719               | 127 | B2-U0-G2   | 14291               | 132 | B2-U0-G2   | 14862               | 138 | B2-U0-G2   |              |             |          |            |      |      |    |          |     |  |  |
|            |                    |              | IV-FT       | 11976               | 111   | B2-U0-G3   | 12497               | 116 | B2-U0-G3   | 13017               | 121 | B2-U0-G3   | 13538               | 125 | B2-U0-G3   |              |             |          |            |      |      |    |          |     |  |  |
|            |                    |              | VSQ-N       | 13741               | 127   | B3-U0-G1   | 14338               | 133 | B3-U0-G1   | 14936               | 138 | B3-U0-G1   | 15533               | 144 | B3-U0-G1   |              |             |          |            |      |      |    |          |     |  |  |
|            |                    |              | VSQ-M       | 13475               | 125   | B4-U0-G2   | 14061               | 130 | B4-U0-G2   | 14647               | 136 | B4-U0-G2   | 15233               | 141 | B4-U0-G2   |              |             |          |            |      |      |    |          |     |  |  |
|            |                    |              | VSQ-W       | 13153               | 122   | B4-U0-G3   | 13725               | 127 | B4-U0-G3   | 14297               | 132 | B4-U0-G3   | 14869               | 138 | B4-U0-G3   |              |             |          |            |      |      |    |          |     |  |  |
|            |                    |              | II-HS       | 9522                | 88    | B1-U0-G2   | 9936                | 92  | B1-U0-G2   | 10350               | 96  | B1-U0-G2   | 10764               | 100 | B1-U0-G2   |              |             |          |            |      |      |    |          |     |  |  |
|            |                    |              | II-FR-HS    | 9685                | 90    | B1-U0-G1   | 10106               | 94  | B1-U0-G1   | 10527               | 97  | B1-U0-G1   | 10948               | 101 | B1-U0-G1   |              |             |          |            |      |      |    |          |     |  |  |
|            |                    |              | III-M-HS    | 9632                | 89    | B1-U0-G2   | 10051               | 93  | B1-U0-G2   | 10469               | 97  | B1-U0-G2   | 10888               | 101 | B1-U0-G2   |              |             |          |            |      |      |    |          |     |  |  |
|            |                    |              | III-W-HS    | 9428                | 87    | B1-U0-G3   | 9838                | 91  | B1-U0-G3   | 10248               | 95  | B1-U0-G3   | 10658               | 99  | B1-U0-G3   |              |             |          |            |      |      |    |          |     |  |  |
|            |                    |              | IV-HS       | 9950                | 92    | B1-U0-G2   | 10382               | 96  | B1-U0-G2   | 10815               | 100 | B1-U0-G2   | 11247               | 104 | B1-U0-G2   |              |             |          |            |      |      |    |          |     |  |  |
|            |                    |              | IV-FT-HS    | 9403                | 87    | B1-U0-G3   | 9812                | 91  | B1-U0-G3   | 10221               | 95  | B1-U0-G3   | 10630               | 98  | B1-U0-G3   |              |             |          |            |      |      |    |          |     |  |  |
|            |                    |              | 48          | 875                 | 134.7 | II         | 15335               | 114 | B3-U0-G2   | 16001               | 119 | B3-U0-G3   | 16668               | 124 | B3-U0-G3   | 17335        | 129         | B3-U0-G3 |            | N/A  |      |    |          | N/A |  |  |
|            |                    |              |             |                     |       | II-FR      | 15437               | 115 | B3-U0-G2   | 16108               | 120 | B3-U0-G2   | 16779               | 125 | B3-U0-G2   | 17450        | 130         | B3-U0-G2 |            |      |      |    |          |     |  |  |
| III-M      | 15602              | 116          |             |                     |       | B3-U0-G2   | 16281               | 121 | B3-U0-G3   | 16959               | 126 | B3-U0-G3   | 17637               | 131 | B3-U0-G3   |              |             |          |            |      |      |    |          |     |  |  |
| III-W      | 14487              | 108          |             |                     |       | B2-U0-G3   | 15117               | 112 | B2-U0-G3   | 15746               | 117 | B3-U0-G3   | 16376               | 122 | B3-U0-G3   |              |             |          |            |      |      |    |          |     |  |  |
| IV         | 15485              | 115          |             |                     |       | B3-U0-G2   | 16159               | 120 | B3-U0-G2   | 16832               | 125 | B3-U0-G3   | 17505               | 130 | B3-U0-G3   |              |             |          |            |      |      |    |          |     |  |  |
| IV-FT      | 14107              | 105          |             |                     |       | B2-U0-G3   | 14720               | 109 | B3-U0-G3   | 15333               | 114 | B3-U0-G3   | 15947               | 118 | B3-U0-G3   |              |             |          |            |      |      |    |          |     |  |  |
| VSQ-N      | 16186              | 120          |             |                     |       | B4-U0-G1   | 16889               | 125 | B4-U0-G2   | 17593               | 131 | B4-U0-G2   | 18297               | 136 | B4-U0-G2   |              |             |          |            |      |      |    |          |     |  |  |
| VSQ-M      | 15871              | 118          |             |                     |       | B4-U0-G2   | 16561               | 123 | B4-U0-G2   | 17251               | 128 | B4-U0-G2   | 17941               | 133 | B4-U0-G2   |              |             |          |            |      |      |    |          |     |  |  |
| VSQ-W      | 15492              | 115          |             |                     |       | B4-U0-G3   | 16166               | 120 | B4-U0-G3   | 16839               | 125 | B4-U0-G3   | 17513               | 130 | B5-U0-G3   |              |             |          |            |      |      |    |          |     |  |  |
| II-HS      | 11215              | 83           |             |                     |       | B1-U0-G2   | 11703               | 87  | B1-U0-G2   | 12190               | 90  | B1-U0-G2   | 12678               | 94  | B1-U0-G2   |              |             |          |            |      |      |    |          |     |  |  |
| II-FR-HS   | 11408              | 85           |             |                     |       | B1-U0-G2   | 11904               | 88  | B1-U0-G2   | 12400               | 92  | B1-U0-G2   | 12896               | 96  | B1-U0-G2   |              |             |          |            |      |      |    |          |     |  |  |
| III-M-HS   | 11346              | 84           |             |                     |       | B1-U0-G2   | 11839               | 88  | B1-U0-G3   | 12332               | 92  | B1-U0-G3   | 12826               | 95  | B1-U0-G3   |              |             |          |            |      |      |    |          |     |  |  |
| III-W-HS   | 11106              | 82           |             |                     |       | B1-U0-G3   | 11589               | 86  | B1-U0-G3   | 12072               | 90  | B1-U0-G3   | 12555               | 93  | B1-U0-G3   |              |             |          |            |      |      |    |          |     |  |  |
| IV-HS      | 11719              | 87           |             |                     |       | B1-U0-G2   | 12229               | 91  | B1-U0-G2   | 12738               | 95  | B1-U0-G2   | 13248               | 98  | B1-U0-G3   |              |             |          |            |      |      |    |          |     |  |  |
| IV-FT-HS   | 11076              | 82           |             |                     |       | B1-U0-G3   | 11557               | 86  | B1-U0-G3   | 12039               | 89  | B1-U0-G3   | 12521               | 93  | B1-U0-G3   |              |             |          |            |      |      |    |          |     |  |  |

IES File downloads for this product can be found at [www.usalgt.com/downloads/asr.html](http://www.usalgt.com/downloads/asr.html)

**PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS**

PAC24-PLED-80LED-525mA-40K - 20' Mounting Height (18' Pole)



## PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PLED)

| PAC24-PLED |                    |              |             |                     |       |            |                     |     |            |                     |     |            |                     |     |            |              |             |          |            |
|------------|--------------------|--------------|-------------|---------------------|-------|------------|---------------------|-----|------------|---------------------|-----|------------|---------------------|-----|------------|--------------|-------------|----------|------------|
| LED Count  | Drive Current (mA) | System Watts | Dist'n Type | 27K (2700K - 70CRI) |       |            | 30K (3000K - 70CRI) |     |            | 40K (4000K - 70CRI) |     |            | 50K (5000K - 70CRI) |     |            | System Watts | TRA (590nm) |          |            |
|            |                    |              |             | LUMENS              | LPW   | BUG RATING | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING |              | LUMENS      | LPW      | BUG RATING |
| 36         | 350                | 41.3         | II          | 5529                | 134   | B1-U0-G1   | 5769                | 140 | B2-U0-G1   | 6010                | 146 | B2-U0-G1   | 6250                | 151 | B2-U0-G1   | 31.8         | 1923        | 60       | B1-U0-G1   |
|            |                    |              | II-FR       | 5567                | 135   | B1-U0-G1   | 5809                | 141 | B2-U0-G1   | 6051                | 147 | B2-U0-G1   | 6293                | 152 | B2-U0-G1   |              | 1936        | 61       | B1-U0-G0   |
|            |                    |              | III-M       | 5626                | 136   | B1-U0-G1   | 5871                | 142 | B1-U0-G2   | 6115                | 148 | B1-U0-G2   | 6360                | 154 | B2-U0-G2   |              | 1957        | 62       | B1-U0-G1   |
|            |                    |              | III-W       | 5224                | 126   | B1-U0-G2   | 5451                | 132 | B1-U0-G2   | 5678                | 137 | B1-U0-G2   | 5905                | 143 | B1-U0-G2   |              | 1817        | 57       | B1-U0-G1   |
|            |                    |              | IV          | 5584                | 135   | B1-U0-G1   | 5826                | 141 | B1-U0-G1   | 6069                | 147 | B2-U0-G2   | 6312                | 153 | B2-U0-G2   |              | 1942        | 61       | B1-U0-G1   |
|            |                    |              | IV-FT       | 5086                | 123   | B1-U0-G2   | 5307                | 129 | B1-U0-G2   | 5529                | 134 | B1-U0-G2   | 5750                | 139 | B1-U0-G2   |              | 1769        | 56       | B1-U0-G1   |
|            |                    |              | VSQ-N       | 5837                | 141   | B2-U0-G1   | 6091                | 147 | B2-U0-G1   | 6344                | 154 | B2-U0-G1   | 6598                | 160 | B2-U0-G1   |              | 2030        | 64       | B1-U0-G0   |
|            |                    |              | VSQ-M       | 5723                | 139   | B3-U0-G1   | 5972                | 145 | B3-U0-G1   | 6221                | 151 | B3-U0-G1   | 6469                | 157 | B3-U0-G1   |              | 1991        | 63       | B1-U0-G0   |
|            |                    |              | VSQ-W       | 5586                | 135   | B3-U0-G2   | 5829                | 141 | B3-U0-G2   | 6072                | 147 | B3-U0-G2   | 6315                | 153 | B3-U0-G2   |              | 1943        | 61       | B2-U0-G1   |
|            |                    |              | II-HS       | 4044                | 98    | B0-U0-G1   | 4220                | 102 | B0-U0-G1   | 4395                | 106 | B0-U0-G1   | 4571                | 111 | B1-U0-G1   |              | 1407        | 44       | B0-U0-G0   |
|            |                    |              | II-FR-HS    | 4114                | 100   | B0-U0-G1   | 4293                | 104 | B0-U0-G1   | 4471                | 108 | B0-U0-G1   | 4650                | 113 | B0-U0-G1   |              | 1431        | 45       | B0-U0-G0   |
|            |                    |              | III-M-HS    | 4091                | 99    | B0-U0-G1   | 4269                | 103 | B0-U0-G2   | 4447                | 108 | B0-U0-G2   | 4624                | 112 | B0-U0-G2   |              | 1423        | 45       | B0-U0-G0   |
|            |                    |              | III-W-HS    | 4005                | 97    | B0-U0-G2   | 4178                | 101 | B0-U0-G2   | 4353                | 105 | B0-U0-G2   | 4527                | 110 | B0-U0-G2   |              | 1393        | 44       | B0-U0-G1   |
|            |                    |              | IV-HS       | 4225                | 102   | B0-U0-G1   | 4409                | 107 | B0-U0-G1   | 4592                | 111 | B0-U0-G1   | 4776                | 116 | B0-U0-G2   |              | 1470        | 46       | B0-U0-G0   |
|            |                    |              | IV-FT-HS    | 3994                | 97    | B0-U0-G2   | 4167                | 101 | B0-U0-G2   | 4341                | 105 | B0-U0-G2   | 4515                | 109 | B0-U0-G2   |              | 1389        | 44       | B0-U0-G1   |
|            |                    |              | 36          | 525                 | 62.0  | II         | 7862                | 127 | B2-U0-G2   | 8204                | 132 | B2-U0-G2   | 8545                | 138 | B2-U0-G2   |              | 8887        | 143      | B2-U0-G2   |
| II-FR      | 7915               | 128          |             |                     |       | B2-U0-G1   | 8259                | 133 | B2-U0-G1   | 8603                | 139 | B2-U0-G1   | 8947                | 144 | B2-U0-G1   | 2237         | 47          | B1-U0-G0 |            |
| III-M      | 7999               | 129          |             |                     |       | B2-U0-G2   | 8347                | 135 | B2-U0-G2   | 8695                | 140 | B2-U0-G2   | 9043                | 146 | B2-U0-G2   | 2261         | 47          | B1-U0-G1 |            |
| III-W      | 7428               | 120          |             |                     |       | B1-U0-G2   | 7751                | 125 | B1-U0-G2   | 8074                | 130 | B2-U0-G2   | 8397                | 135 | B2-U0-G2   | 2099         | 44          | B1-U0-G1 |            |
| IV         | 7939               | 128          |             |                     |       | B2-U0-G2   | 8284                | 134 | B2-U0-G2   | 8630                | 139 | B2-U0-G2   | 8975                | 145 | B2-U0-G2   | 2244         | 47          | B1-U0-G1 |            |
| IV-FT      | 7232               | 117          |             |                     |       | B2-U0-G2   | 7547                | 122 | B2-U0-G2   | 7861                | 127 | B2-U0-G2   | 8176                | 132 | B2-U0-G2   | 2044         | 43          | B1-U0-G1 |            |
| VSQ-N      | 8297               | 134          |             |                     |       | B3-U0-G1   | 8658                | 140 | B3-U0-G1   | 9019                | 145 | B3-U0-G1   | 9380                | 151 | B3-U0-G1   | 2345         | 49          | B1-U0-G0 |            |
| VSQ-M      | 8137               | 131          |             |                     |       | B3-U0-G2   | 8491                | 137 | B3-U0-G2   | 8844                | 143 | B3-U0-G2   | 9198                | 148 | B3-U0-G2   | 2299         | 48          | B2-U0-G1 |            |
| VSQ-W      | 7943               | 128          |             |                     |       | B3-U0-G2   | 8289                | 134 | B3-U0-G2   | 8634                | 139 | B4-U0-G2   | 8980                | 145 | B4-U0-G2   | 2245         | 47          | B2-U0-G1 |            |
| II-HS      | 5750               | 93           |             |                     |       | B1-U0-G2   | 6000                | 97  | B1-U0-G2   | 6250                | 101 | B1-U0-G2   | 6500                | 105 | B1-U0-G2   | 1625         | 34          | B0-U0-G0 |            |
| II-FR-HS   | 5849               | 94           |             |                     |       | B1-U0-G1   | 6103                | 98  | B1-U0-G1   | 6357                | 103 | B1-U0-G1   | 6611                | 107 | B1-U0-G1   | 1653         | 35          | B0-U0-G0 |            |
| III-M-HS   | 5817               | 94           |             |                     |       | B0-U0-G2   | 6069                | 98  | B0-U0-G2   | 6322                | 102 | B0-U0-G2   | 6575                | 106 | B0-U0-G2   | 1644         | 34          | B0-U0-G1 |            |
| III-W-HS   | 5694               | 92           |             |                     |       | B0-U0-G2   | 5941                | 96  | B0-U0-G2   | 6189                | 100 | B0-U0-G2   | 6436                | 104 | B0-U0-G2   | 1609         | 34          | B0-U0-G1 |            |
| IV-HS      | 6008               | 97           |             |                     |       | B0-U0-G2   | 6269                | 101 | B0-U0-G2   | 6530                | 105 | B0-U0-G2   | 6791                | 110 | B0-U0-G2   | 1698         | 36          | B0-U0-G1 |            |
| IV-FT-HS   | 5678               | 92           |             |                     |       | B0-U0-G2   | 5925                | 96  | B0-U0-G2   | 6172                | 100 | B0-U0-G2   | 6419                | 104 | B0-U0-G2   | 1605         | 34          | B0-U0-G1 |            |
| 36         | 700                | 82.6         |             |                     |       | II         | 9889                | 120 | B2-U0-G2   | 10319               | 125 | B2-U0-G2   | 10749               | 130 | B2-U0-G2   | 11179        | 135         | B2-U0-G2 | N/A        |
|            |                    |              | II-FR       | 9955                | 121   | B2-U0-G1   | 10388               | 126 | B2-U0-G1   | 10820               | 131 | B2-U0-G1   | 11253               | 136 | B3-U0-G1   |              |             |          |            |
|            |                    |              | III-M       | 10061               | 122   | B2-U0-G2   | 10499               | 127 | B2-U0-G2   | 10936               | 132 | B2-U0-G2   | 11374               | 138 | B2-U0-G2   |              |             |          |            |
|            |                    |              | III-W       | 9342                | 113   | B2-U0-G3   | 9748                | 118 | B2-U0-G3   | 10154               | 123 | B2-U0-G3   | 10560               | 128 | B2-U0-G3   |              |             |          |            |
|            |                    |              | IV          | 9986                | 121   | B2-U0-G2   | 10420               | 126 | B2-U0-G2   | 10854               | 131 | B2-U0-G2   | 11289               | 137 | B2-U0-G2   |              |             |          |            |
|            |                    |              | IV-FT       | 9096                | 110   | B2-U0-G3   | 9492                | 115 | B2-U0-G3   | 9887                | 120 | B2-U0-G3   | 10283               | 124 | B2-U0-G3   |              |             |          |            |
|            |                    |              | VSQ-N       | 10437               | 126   | B3-U0-G1   | 10890               | 132 | B3-U0-G1   | 11344               | 137 | B3-U0-G1   | 11798               | 143 | B3-U0-G1   |              |             |          |            |
|            |                    |              | VSQ-M       | 10235               | 124   | B3-U0-G2   | 10680               | 129 | B4-U0-G2   | 11125               | 135 | B4-U0-G2   | 11570               | 140 | B4-U0-G2   |              |             |          |            |
|            |                    |              | VSQ-W       | 9990                | 121   | B4-U0-G3   | 10425               | 126 | B4-U0-G3   | 10859               | 131 | B4-U0-G3   | 11294               | 137 | B4-U0-G3   |              |             |          |            |
|            |                    |              | II-HS       | 7232                | 88    | B1-U0-G2   | 7547                | 91  | B1-U0-G2   | 7861                | 95  | B1-U0-G2   | 8175                | 99  | B1-U0-G2   |              |             |          |            |
|            |                    |              | II-FR-HS    | 7356                | 89    | B1-U0-G1   | 7676                | 93  | B1-U0-G1   | 7996                | 97  | B1-U0-G1   | 8315                | 101 | B1-U0-G1   |              |             |          |            |
|            |                    |              | III-M-HS    | 7316                | 89    | B0-U0-G2   | 7634                | 92  | B1-U0-G2   | 7952                | 96  | B1-U0-G2   | 8270                | 100 | B1-U0-G2   |              |             |          |            |
|            |                    |              | III-W-HS    | 7161                | 87    | B0-U0-G2   | 7472                | 90  | B0-U0-G2   | 7784                | 94  | B0-U0-G2   | 8095                | 98  | B1-U0-G2   |              |             |          |            |
|            |                    |              | IV-HS       | 7557                | 91    | B1-U0-G2   | 7886                | 95  | B1-U0-G2   | 8214                | 99  | B1-U0-G2   | 8542                | 103 | B1-U0-G2   |              |             |          |            |
|            |                    |              | IV-FT-HS    | 7142                | 86    | B1-U0-G3   | 7453                | 90  | B1-U0-G3   | 7763                | 94  | B1-U0-G3   | 8074                | 98  | B1-U0-G3   |              |             |          |            |
|            |                    |              | 36          | 875                 | 103.1 | II         | 11647               | 113 | B2-U0-G2   | 12154               | 118 | B2-U0-G2   | 12660               | 123 | B2-U0-G2   | 13166        | 128         | B2-U0-G2 |            |
| II-FR      | 11725              | 114          |             |                     |       | B3-U0-G1   | 12235               | 119 | B3-U0-G1   | 12744               | 124 | B3-U0-G1   | 13254               | 129 | B3-U0-G1   |              |             |          |            |
| III-M      | 11851              | 115          |             |                     |       | B2-U0-G2   | 12366               | 120 | B2-U0-G2   | 12881               | 125 | B2-U0-G2   | 13396               | 130 | B2-U0-G2   |              |             |          |            |
| III-W      | 11003              | 107          |             |                     |       | B2-U0-G3   | 11482               | 111 | B2-U0-G3   | 11960               | 116 | B2-U0-G3   | 12438               | 121 | B2-U0-G3   |              |             |          |            |
| IV         | 11762              | 114          |             |                     |       | B2-U0-G2   | 12273               | 119 | B2-U0-G2   | 12784               | 124 | B2-U0-G2   | 13296               | 129 | B2-U0-G2   |              |             |          |            |
| IV-FT      | 10715              | 104          |             |                     |       | B2-U0-G3   | 11180               | 108 | B2-U0-G3   | 11646               | 113 | B2-U0-G3   | 12112               | 117 | B2-U0-G3   |              |             |          |            |
| VSQ-N      | 12294              | 119          |             |                     |       | B3-U0-G1   | 12828               | 124 | B3-U0-G1   | 13363               | 130 | B3-U0-G1   | 13897               | 135 | B3-U0-G1   |              |             |          |            |
| VSQ-M      | 12054              | 117          |             |                     |       | B4-U0-G2   | 12578               | 122 | B4-U0-G2   | 13102               | 127 | B4-U0-G2   | 13627               | 132 | B4-U0-G2   |              |             |          |            |
| VSQ-W      | 11767              | 114          |             |                     |       | B4-U0-G3   | 12278               | 119 | B4-U0-G3   | 12790               | 124 | B4-U0-G3   | 13302               | 129 | B4-U0-G3   |              |             |          |            |
| II-HS      | 8518               | 83           |             |                     |       | B1-U0-G2   | 8889                | 86  | B1-U0-G2   | 9259                | 90  | B1-U0-G2   | 9629                | 93  | B1-U0-G2   |              |             |          |            |
| II-FR-HS   | 8665               | 84           |             |                     |       | B1-U0-G1   | 9042                | 88  | B1-U0-G1   | 9418                | 91  | B1-U0-G1   | 9795                | 95  | B1-U0-G1   |              |             |          |            |
| III-M-HS   | 8618               | 84           |             |                     |       | B1-U0-G2   | 8992                | 87  | B1-U0-G2   | 9367                | 91  | B1-U0-G2   | 9741                | 94  | B1-U0-G2   |              |             |          |            |
| III-W-HS   | 8436               | 82           |             |                     |       | B1-U0-G2   | 8802                | 85  | B1-U0-G2   | 9169                | 89  | B1-U0-G2   | 9536                | 92  | B1-U0-G3   |              |             |          |            |
| IV-HS      | 8901               | 86           |             |                     |       | B1-U0-G2   | 9288                | 90  | B1-U0-G2   | 9675                | 94  | B1-U0-G2   | 10062               | 98  | B1-U0-G2   |              |             |          |            |
| IV-FT-HS   | 8413               | 82           |             |                     |       | B1-U0-G3   | 8778                | 85  | B1-U0-G3   | 9144                | 89  | B1-U0-G3   | 9510                | 92  | B1-U0-G3   |              |             |          |            |

IES File downloads for this product can be found at [www.usalgt.com/downloads/asr.html](http://www.usalgt.com/downloads/asr.html)

**PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PLED)**

| PAC24-PLED |                    |              |             |                     |       |            |                     |     |            |                     |     |            |                     |     |            |              |             |          |            |      |      |     |          |
|------------|--------------------|--------------|-------------|---------------------|-------|------------|---------------------|-----|------------|---------------------|-----|------------|---------------------|-----|------------|--------------|-------------|----------|------------|------|------|-----|----------|
| LED Count  | Drive Current (mA) | System Watts | Dist'n Type | 27K (2700K - 70CRI) |       |            | 30K (3000K - 70CRI) |     |            | 40K (4000K - 70CRI) |     |            | 50K (5000K - 70CRI) |     |            | System Watts | TRA (590nm) |          |            |      |      |     |          |
|            |                    |              |             | LUMENS              | LPW   | BUG RATING | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING |              | LUMENS      | LPW      | BUG RATING |      |      |     |          |
| 48         | 350                | 53.6         | II          | 7280                | 136   | B2-U0-G2   | 7596                | 142 | B2-U0-G2   | 7913                | 148 | B2-U0-G2   | 8229                | 154 | B2-U0-G2   | 41.3         | 2532        | 61       | B1-U0-G1   |      |      |     |          |
|            |                    |              | II-FR       | 7329                | 137   | B2-U0-G1   | 7648                | 143 | B2-U0-G1   | 7967                | 149 | B2-U0-G1   | 8285                | 155 | B2-U0-G1   |              | 2549        | 62       | B1-U0-G1   |      |      |     |          |
|            |                    |              | III-M       | 7407                | 138   | B2-U0-G2   | 7729                | 144 | B2-U0-G2   | 8052                | 150 | B2-U0-G2   | 8374                | 156 | B2-U0-G2   |              | 2577        | 62       | B1-U0-G1   |      |      |     |          |
|            |                    |              | III-W       | 6878                | 128   | B1-U0-G2   | 7177                | 134 | B1-U0-G2   | 7476                | 139 | B1-U0-G2   | 7775                | 145 | B1-U0-G2   |              | 2392        | 58       | B1-U0-G1   |      |      |     |          |
|            |                    |              | IV          | 7351                | 137   | B2-U0-G2   | 7671                | 143 | B2-U0-G2   | 7991                | 149 | B2-U0-G2   | 8310                | 155 | B2-U0-G2   |              | 2557        | 62       | B1-U0-G1   |      |      |     |          |
|            |                    |              | IV-FT       | 6697                | 125   | B1-U0-G2   | 6988                | 130 | B1-U0-G2   | 7279                | 136 | B2-U0-G2   | 7570                | 141 | B2-U0-G2   |              | 2329        | 56       | B1-U0-G1   |      |      |     |          |
|            |                    |              | VSQ-N       | 7685                | 143   | B2-U0-G1   | 8019                | 150 | B3-U0-G1   | 8353                | 156 | B3-U0-G1   | 8687                | 162 | B3-U0-G1   |              | 2673        | 65       | B1-U0-G0   |      |      |     |          |
|            |                    |              | VSQ-M       | 7534                | 141   | B3-U0-G1   | 7862                | 147 | B3-U0-G2   | 8190                | 153 | B3-U0-G2   | 8517                | 159 | B3-U0-G2   |              | 2621        | 63       | B2-U0-G1   |      |      |     |          |
|            |                    |              | VSQ-W       | 7355                | 137   | B3-U0-G2   | 7674                | 143 | B3-U0-G2   | 7994                | 149 | B3-U0-G2   | 8314                | 155 | B3-U0-G2   |              | 2558        | 62       | B2-U0-G1   |      |      |     |          |
|            |                    |              | II-HS       | 5324                | 99    | B1-U0-G2   | 5556                | 104 | B1-U0-G2   | 5787                | 108 | B1-U0-G2   | 6019                | 112 | B1-U0-G2   |              | 1852        | 45       | B0-U0-G1   |      |      |     |          |
|            |                    |              | II-FR-HS    | 5416                | 101   | B0-U0-G1   | 5652                | 105 | B1-U0-G1   | 5887                | 110 | B1-U0-G1   | 6123                | 114 | B1-U0-G1   |              | 1884        | 46       | B0-U0-G0   |      |      |     |          |
|            |                    |              | III-M-HS    | 5386                | 100   | B0-U0-G2   | 5620                | 105 | B0-U0-G2   | 5854                | 109 | B0-U0-G2   | 6089                | 114 | B0-U0-G2   |              | 1873        | 45       | B0-U0-G1   |      |      |     |          |
|            |                    |              | III-W-HS    | 5272                | 98    | B0-U0-G2   | 5501                | 103 | B0-U0-G2   | 5731                | 107 | B0-U0-G2   | 5960                | 111 | B0-U0-G2   |              | 1834        | 44       | B0-U0-G1   |      |      |     |          |
|            |                    |              | IV-HS       | 5563                | 104   | B0-U0-G2   | 5805                | 108 | B0-U0-G2   | 6047                | 113 | B0-U0-G2   | 6288                | 117 | B0-U0-G2   |              | 1935        | 47       | B0-U0-G1   |      |      |     |          |
|            |                    |              | IV-FT-HS    | 5258                | 98    | B0-U0-G2   | 5487                | 102 | B0-U0-G2   | 5715                | 107 | B0-U0-G2   | 5944                | 111 | B0-U0-G2   |              | 1829        | 44       | B0-U0-G1   |      |      |     |          |
|            |                    |              | 48          | 525                 | 80.7  | II         | 10351               | 128 | B2-U0-G2   | 10801               | 134 | B2-U0-G2   | 11251               | 139 | B2-U0-G2   |              | 11701       | 145      | B2-U0-G2   | 62.1 | 2925 | 47  | B1-U0-G1 |
|            |                    |              |             |                     |       | II-FR      | 10420               | 129 | B2-U0-G1   | 10873               | 135 | B2-U0-G1   | 11326               | 140 | B3-U0-G1   |              | 11779       | 146      | B3-U0-G1   |      | 2945 | 47  | B1-U0-G1 |
|            |                    |              |             |                     |       | III-M      | 10532               | 131 | B2-U0-G2   | 10990               | 136 | B2-U0-G2   | 11448               | 142 | B2-U0-G2   |              | 11906       | 148      | B2-U0-G2   |      | 2976 | 48  | B1-U0-G1 |
|            |                    |              |             |                     |       | III-W      | 9780                | 121 | B2-U0-G3   | 10205               | 126 | B2-U0-G3   | 10630               | 132 | B2-U0-G3   |              | 11055       | 137      | B2-U0-G3   |      | 2764 | 45  | B1-U0-G1 |
|            |                    |              |             |                     |       | IV         | 10453               | 130 | B2-U0-G2   | 10907               | 135 | B2-U0-G2   | 11362               | 141 | B2-U0-G2   |              | 11816       | 146      | B2-U0-G2   |      | 2954 | 48  | B1-U0-G1 |
| IV-FT      | 9522               | 118          |             |                     |       | B2-U0-G3   | 9936                | 123 | B2-U0-G3   | 10350               | 128 | B2-U0-G3   | 10764               | 133 | B2-U0-G3   | 2691         | 43          | B1-U0-G1 |            |      |      |     |          |
| VSQ-N      | 10925              | 135          |             |                     |       | B3-U0-G1   | 11400               | 141 | B3-U0-G1   | 11875               | 147 | B3-U0-G1   | 12350               | 153 | B3-U0-G1   | 3088         | 50          | B1-U0-G0 |            |      |      |     |          |
| VSQ-M      | 10713              | 133          |             |                     |       | B4-U0-G2   | 11178               | 139 | B4-U0-G2   | 11644               | 144 | B4-U0-G2   | 12110               | 150 | B4-U0-G2   | 3027         | 49          | B2-U0-G1 |            |      |      |     |          |
| VSQ-W      | 10459              | 130          |             |                     |       | B4-U0-G3   | 10913               | 135 | B4-U0-G3   | 11368               | 141 | B4-U0-G3   | 11823               | 147 | B4-U0-G3   | 2955         | 48          | B2-U0-G1 |            |      |      |     |          |
| II-HS      | 7570               | 94           |             |                     |       | B1-U0-G2   | 7900                | 98  | B1-U0-G2   | 8229                | 102 | B1-U0-G2   | 8558                | 106 | B1-U0-G2   | 2139         | 34          | B0-U0-G1 |            |      |      |     |          |
| II-FR-HS   | 7700               | 95           |             |                     |       | B1-U0-G1   | 8035                | 100 | B1-U0-G1   | 8370                | 104 | B1-U0-G1   | 8705                | 108 | B1-U0-G1   | 2176         | 35          | B0-U0-G0 |            |      |      |     |          |
| III-M-HS   | 7658               | 95           |             |                     |       | B1-U0-G2   | 7991                | 99  | B1-U0-G2   | 8324                | 103 | B1-U0-G2   | 8657                | 107 | B1-U0-G2   | 2164         | 35          | B0-U0-G1 |            |      |      |     |          |
| III-W-HS   | 7496               | 93           |             |                     |       | B0-U0-G2   | 7822                | 97  | B0-U0-G2   | 8148                | 101 | B1-U0-G2   | 8474                | 105 | B1-U0-G2   | 2118         | 34          | B0-U0-G1 |            |      |      |     |          |
| IV-HS      | 7910               | 98           |             |                     |       | B1-U0-G2   | 8254                | 102 | B1-U0-G2   | 8598                | 107 | B1-U0-G2   | 8942                | 111 | B1-U0-G2   | 2235         | 36          | B0-U0-G1 |            |      |      |     |          |
| IV-FT-HS   | 7476               | 93           |             |                     |       | B1-U0-G3   | 7801                | 97  | B1-U0-G3   | 8126                | 101 | B1-U0-G3   | 8451                | 105 | B1-U0-G3   | 2113         | 34          | B0-U0-G1 |            |      |      |     |          |
| 48         | 700                | 108.0        |             |                     |       | II         | 13020               | 121 | B2-U0-G2   | 13586               | 126 | B2-U0-G2   | 14152               | 131 | B2-U0-G2   | 14718        | 136         | B3-U0-G2 | N/A        |      | N/A  |     |          |
|            |                    |              |             |                     |       | II-FR      | 13106               | 121 | B3-U0-G1   | 13676               | 127 | B3-U0-G1   | 14246               | 132 | B3-U0-G1   | 14816        | 137         | B3-U0-G2 |            |      |      |     |          |
|            |                    |              |             |                     |       | III-M      | 13247               | 123 | B2-U0-G2   | 13823               | 128 | B2-U0-G2   | 14399               | 133 | B2-U0-G2   | 14975        | 139         | B2-U0-G2 |            |      |      |     |          |
|            |                    |              |             |                     |       | III-W      | 12299               | 114 | B2-U0-G3   | 12834               | 119 | B2-U0-G3   | 13369               | 124 | B2-U0-G3   | 13903        | 129         | B2-U0-G3 |            |      |      |     |          |
|            |                    |              |             |                     |       | IV         | 13147               | 122 | B2-U0-G2   | 13719               | 127 | B2-U0-G2   | 14291               | 132 | B2-U0-G2   | 14862        | 138         | B2-U0-G2 |            |      |      |     |          |
|            |                    |              | IV-FT       | 11976               | 111   | B2-U0-G3   | 12497               | 116 | B2-U0-G3   | 13017               | 121 | B2-U0-G3   | 13538               | 125 | B2-U0-G3   |              |             |          |            |      |      |     |          |
|            |                    |              | VSQ-N       | 13741               | 127   | B3-U0-G1   | 14338               | 133 | B3-U0-G1   | 14936               | 138 | B3-U0-G1   | 15533               | 144 | B3-U0-G1   |              |             |          |            |      |      |     |          |
|            |                    |              | VSQ-M       | 13475               | 125   | B4-U0-G2   | 14061               | 130 | B4-U0-G2   | 14647               | 136 | B4-U0-G2   | 15233               | 141 | B4-U0-G2   |              |             |          |            |      |      |     |          |
|            |                    |              | VSQ-W       | 13153               | 122   | B4-U0-G3   | 13725               | 127 | B4-U0-G3   | 14297               | 132 | B4-U0-G3   | 14869               | 138 | B4-U0-G3   |              |             |          |            |      |      |     |          |
|            |                    |              | II-HS       | 9522                | 88    | B1-U0-G2   | 9936                | 92  | B1-U0-G2   | 10350               | 96  | B1-U0-G2   | 10763               | 100 | B1-U0-G2   |              |             |          |            |      |      |     |          |
|            |                    |              | II-FR-HS    | 9685                | 90    | B1-U0-G1   | 10106               | 94  | B1-U0-G1   | 10527               | 97  | B1-U0-G1   | 10948               | 101 | B1-U0-G1   |              |             |          |            |      |      |     |          |
|            |                    |              | III-M-HS    | 9632                | 89    | B1-U0-G2   | 10051               | 93  | B1-U0-G2   | 10469               | 97  | B1-U0-G2   | 10888               | 101 | B1-U0-G2   |              |             |          |            |      |      |     |          |
|            |                    |              | III-W-HS    | 9428                | 87    | B1-U0-G3   | 9838                | 91  | B1-U0-G3   | 10248               | 95  | B1-U0-G3   | 10658               | 99  | B1-U0-G3   |              |             |          |            |      |      |     |          |
|            |                    |              | IV-HS       | 9950                | 92    | B1-U0-G2   | 10382               | 96  | B1-U0-G2   | 10815               | 100 | B1-U0-G2   | 11247               | 104 | B1-U0-G2   |              |             |          |            |      |      |     |          |
|            |                    |              | IV-FT-HS    | 9403                | 87    | B1-U0-G3   | 9812                | 91  | B1-U0-G3   | 10221               | 95  | B1-U0-G3   | 10630               | 99  | B1-U0-G3   |              |             |          |            |      |      |     |          |
|            |                    |              | 48          | 875                 | 134.7 | II         | 15335               | 114 | B3-U0-G2   | 16001               | 119 | B3-U0-G3   | 16668               | 124 | B3-U0-G3   | 17335        | 129         | B3-U0-G3 |            | N/A  |      | N/A |          |
|            |                    |              |             |                     |       | II-FR      | 15437               | 115 | B3-U0-G2   | 16108               | 120 | B3-U0-G2   | 16779               | 125 | B3-U0-G2   | 17450        | 130         | B3-U0-G2 |            |      |      |     |          |
|            |                    |              |             |                     |       | III-M      | 15602               | 116 | B3-U0-G2   | 16281               | 121 | B3-U0-G3   | 16959               | 126 | B3-U0-G3   | 17637        | 131         | B3-U0-G3 |            |      |      |     |          |
|            |                    |              |             |                     |       | III-W      | 14487               | 108 | B2-U0-G3   | 15117               | 112 | B2-U0-G3   | 15746               | 117 | B3-U0-G3   | 16376        | 122         | B3-U0-G3 |            |      |      |     |          |
|            |                    |              |             |                     |       | IV         | 15485               | 115 | B3-U0-G2   | 16159               | 120 | B3-U0-G2   | 16832               | 125 | B3-U0-G3   | 17505        | 130         | B3-U0-G3 |            |      |      |     |          |
| IV-FT      | 14107              | 105          |             |                     |       | B2-U0-G3   | 14720               | 109 | B3-U0-G3   | 15333               | 114 | B3-U0-G3   | 15947               | 118 | B3-U0-G3   |              |             |          |            |      |      |     |          |
| VSQ-N      | 16186              | 120          |             |                     |       | B4-U0-G1   | 16889               | 125 | B4-U0-G2   | 17593               | 131 | B4-U0-G2   | 18297               | 136 | B4-U0-G2   |              |             |          |            |      |      |     |          |
| VSQ-M      | 15871              | 118          |             |                     |       | B4-U0-G2   | 16561               | 123 | B4-U0-G2   | 17251               | 128 | B4-U0-G2   | 17941               | 133 | B4-U0-G2   |              |             |          |            |      |      |     |          |
| VSQ-W      | 15492              | 115          |             |                     |       | B4-U0-G3   | 16166               | 120 | B4-U0-G3   | 16839               | 125 | B4-U0-G3   | 17513               | 130 | B5-U0-G3   |              |             |          |            |      |      |     |          |
| II-HS      | 11215              | 83           |             |                     |       | B1-U0-G2   | 11703               | 87  | B1-U0-G2   | 12190               | 90  | B1-U0-G2   | 12678               | 94  | B1-U0-G2   |              |             |          |            |      |      |     |          |
| II-FR-HS   | 11408              | 85           |             |                     |       | B1-U0-G2   | 11904               | 88  | B1-U0-G2   | 12400               | 92  | B1-U0-G2   | 12896               | 96  | B1-U0-G2   |              |             |          |            |      |      |     |          |
| III-M-HS   | 11346              | 84           |             |                     |       | B1-U0-G2   | 11839               | 88  | B1-U0-G3   | 12332               | 92  | B1-U0-G3   | 12826               | 95  | B1-U0-G3   |              |             |          |            |      |      |     |          |
| III-W-HS   | 11106              | 82           |             |                     |       | B1-U0-G3   | 11589               | 86  | B1-U0-G3   | 12072               | 90  | B1-U0-G3   | 12555               | 93  | B1-U0-G3   |              |             |          |            |      |      |     |          |
| IV-HS      | 11719              | 87           |             |                     |       | B1-U0-G2   | 12229               | 91  | B1-U0-G2   | 12738               | 95  | B1-U0-G2   | 13248               | 98  | B1-U0-G3   |              |             |          |            |      |      |     |          |
| IV-FT-HS   | 11076              | 82           |             |                     |       | B1-U0-G3   | 11557               | 86  | B1-U0-G3   | 12039               | 89  | B1-U0-G3   | 12521               | 93  | B1-U0-G3   |              |             |          |            |      |      |     |          |

IES File downloads for this product can be found at [www.usalgt.com/downloads/asr.html](http://www.usalgt.com/downloads/asr.html)

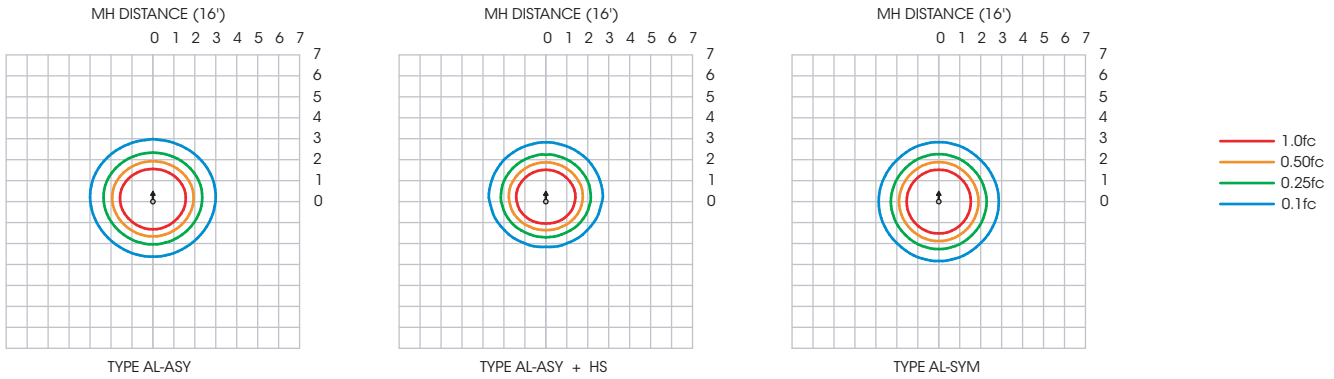
## PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PLED)

| PAC24-PLED |                    |              |             |                     |       |            |                     |     |            |                     |     |            |                     |     |            |              |             |          |            |      |      |    |          |
|------------|--------------------|--------------|-------------|---------------------|-------|------------|---------------------|-----|------------|---------------------|-----|------------|---------------------|-----|------------|--------------|-------------|----------|------------|------|------|----|----------|
| LED Count  | Drive Current (mA) | System Watts | Dist'n Type | 27K (2700K - 70CRI) |       |            | 30K (3000K - 70CRI) |     |            | 40K (4000K - 70CRI) |     |            | 50K (5000K - 70CRI) |     |            | System Watts | TRA (590nm) |          |            |      |      |    |          |
|            |                    |              |             | LUMENS              | LPW   | BUG RATING | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING |              | LUMENS      | LPW      | BUG RATING |      |      |    |          |
| 80         | 350                | 85.8         | II          | 11652               | 136   | B2-U0-G2   | 12159               | 142 | B2-U0-G2   | 12665               | 148 | B2-U0-G2   | 13172               | 154 | B2-U0-G2   | 66.1         | 4053        | 61       | B1-U0-G1   |      |      |    |          |
|            |                    |              | II-FR       | 11730               | 137   | B3-U0-G1   | 12240               | 143 | B3-U0-G1   | 12750               | 149 | B3-U0-G1   | 13260               | 155 | B3-U0-G1   |              | 4080        | 62       | B1-U0-G1   |      |      |    |          |
|            |                    |              | III-M       | 11856               | 138   | B2-U0-G2   | 12371               | 144 | B2-U0-G2   | 12887               | 150 | B2-U0-G2   | 13403               | 156 | B2-U0-G2   |              | 4124        | 62       | B1-U0-G1   |      |      |    |          |
|            |                    |              | III-W       | 11008               | 128   | B2-U0-G3   | 11487               | 134 | B2-U0-G3   | 11965               | 139 | B2-U0-G3   | 12444               | 145 | B2-U0-G3   |              | 3829        | 58       | B1-U0-G1   |      |      |    |          |
|            |                    |              | IV          | 11767               | 137   | B2-U0-G2   | 12279               | 143 | B2-U0-G2   | 12790               | 149 | B2-U0-G2   | 13302               | 155 | B2-U0-G2   |              | 4093        | 62       | B1-U0-G1   |      |      |    |          |
|            |                    |              | IV-FT       | 10719               | 125   | B2-U0-G3   | 11185               | 130 | B2-U0-G3   | 11651               | 136 | B2-U0-G3   | 12117               | 141 | B2-U0-G3   |              | 3728        | 56       | B1-U0-G2   |      |      |    |          |
|            |                    |              | VSQ-N       | 12299               | 143   | B3-U0-G1   | 12833               | 150 | B3-U0-G1   | 13368               | 156 | B3-U0-G1   | 13903               | 162 | B3-U0-G1   |              | 4278        | 65       | B2-U0-G0   |      |      |    |          |
|            |                    |              | VSQ-M       | 12060               | 141   | B4-U0-G2   | 12584               | 147 | B4-U0-G2   | 13109               | 153 | B4-U0-G2   | 13633               | 159 | B4-U0-G2   |              | 4195        | 63       | B2-U0-G1   |      |      |    |          |
|            |                    |              | VSQ-W       | 11772               | 137   | B4-U0-G3   | 12284               | 143 | B4-U0-G3   | 12796               | 149 | B4-U0-G3   | 13308               | 155 | B4-U0-G3   |              | 4095        | 62       | B3-U0-G1   |      |      |    |          |
|            |                    |              | II-HS       | 8522                | 99    | B1-U0-G2   | 8892                | 104 | B1-U0-G2   | 9263                | 108 | B1-U0-G2   | 9633                | 112 | B1-U0-G2   |              | 2964        | 45       | B0-U0-G1   |      |      |    |          |
|            |                    |              | II-FR-HS    | 8669                | 101   | B1-U0-G1   | 9046                | 105 | B1-U0-G1   | 9422                | 110 | B1-U0-G1   | 9799                | 114 | B1-U0-G1   |              | 3015        | 46       | B0-U0-G0   |      |      |    |          |
|            |                    |              | III-M-HS    | 8622                | 100   | B1-U0-G2   | 8997                | 105 | B1-U0-G2   | 9371                | 109 | B1-U0-G2   | 9746                | 114 | B1-U0-G2   |              | 2999        | 45       | B0-U0-G1   |      |      |    |          |
|            |                    |              | III-W-HS    | 8439                | 98    | B1-U0-G2   | 8806                | 103 | B1-U0-G2   | 9173                | 107 | B1-U0-G2   | 9540                | 111 | B1-U0-G3   |              | 2935        | 44       | B0-U0-G1   |      |      |    |          |
|            |                    |              | IV-HS       | 8905                | 104   | B1-U0-G2   | 9292                | 108 | B1-U0-G2   | 9679                | 113 | B1-U0-G2   | 10066               | 117 | B1-U0-G2   |              | 3097        | 47       | B0-U0-G1   |      |      |    |          |
|            |                    |              | IV-FT-HS    | 8416                | 98    | B1-U0-G3   | 8782                | 102 | B1-U0-G3   | 9148                | 107 | B1-U0-G3   | 9514                | 111 | B1-U0-G3   |              | 2927        | 44       | B0-U0-G1   |      |      |    |          |
|            |                    |              | 80          | 525                 | 129.7 | II         | 16744               | 129 | B3-U0-G3   | 17472               | 135 | B3-U0-G3   | 18200               | 140 | B3-U0-G3   |              | 18928       | 146      | B3-U0-G3   | 99.9 | 4732 | 47 | B1-U0-G1 |
|            |                    |              |             |                     |       | II-FR      | 16857               | 130 | B3-U0-G2   | 17589               | 136 | B3-U0-G2   | 18322               | 141 | B3-U0-G2   |              | 19055       | 147      | B3-U0-G2   |      | 4764 | 48 | B1-U0-G1 |
| III-M      | 17037              | 131          |             |                     |       | B3-U0-G3   | 17778               | 137 | B3-U0-G3   | 18518               | 143 | B3-U0-G3   | 19259               | 148 | B3-U0-G3   | 4815         | 48          | B1-U0-G1 |            |      |      |    |          |
| III-W      | 15819              | 122          |             |                     |       | B3-U0-G3   | 16507               | 127 | B3-U0-G3   | 17195               | 133 | B3-U0-G3   | 17882               | 138 | B3-U0-G3   | 4471         | 45          | B1-U0-G2 |            |      |      |    |          |
| IV         | 16909              | 130          |             |                     |       | B3-U0-G3   | 17644               | 136 | B3-U0-G3   | 18379               | 142 | B3-U0-G3   | 19114               | 147 | B3-U0-G3   | 4779         | 48          | B1-U0-G1 |            |      |      |    |          |
| IV-FT      | 15403              | 119          |             |                     |       | B3-U0-G3   | 16073               | 124 | B3-U0-G4   | 16742               | 129 | B3-U0-G4   | 17412               | 134 | B3-U0-G4   | 4353         | 44          | B1-U0-G2 |            |      |      |    |          |
| VSQ-N      | 17673              | 136          |             |                     |       | B4-U0-G2   | 18441               | 142 | B4-U0-G2   | 19210               | 148 | B4-U0-G2   | 19978               | 154 | B4-U0-G2   | 4994         | 50          | B2-U0-G1 |            |      |      |    |          |
| VSQ-M      | 17331              | 134          |             |                     |       | B4-U0-G2   | 18084               | 139 | B4-U0-G2   | 18837               | 145 | B4-U0-G2   | 19591               | 151 | B4-U0-G2   | 4898         | 49          | B3-U0-G1 |            |      |      |    |          |
| VSQ-W      | 16917              | 130          |             |                     |       | B5-U0-G3   | 17652               | 136 | B5-U0-G3   | 18387               | 142 | B5-U0-G3   | 19123               | 147 | B5-U0-G3   | 4781         | 48          | B3-U0-G2 |            |      |      |    |          |
| II-HS      | 12246              | 94           |             |                     |       | B1-U0-G2   | 12778               | 99  | B1-U0-G2   | 13311               | 103 | B1-U0-G3   | 13843               | 107 | B1-U0-G3   | 3461         | 35          | B0-U0-G1 |            |      |      |    |          |
| II-FR-HS   | 12457              | 96           |             |                     |       | B1-U0-G2   | 12998               | 100 | B1-U0-G2   | 13540               | 104 | B1-U0-G2   | 14081               | 109 | B1-U0-G2   | 3520         | 35          | B0-U0-G1 |            |      |      |    |          |
| III-M-HS   | 12389              | 96           |             |                     |       | B1-U0-G3   | 12928               | 100 | B1-U0-G3   | 13466               | 104 | B1-U0-G3   | 14005               | 108 | B1-U0-G3   | 3501         | 35          | B0-U0-G1 |            |      |      |    |          |
| III-W-HS   | 12127              | 93           |             |                     |       | B1-U0-G3   | 12654               | 98  | B1-U0-G3   | 13181               | 102 | B1-U0-G3   | 13708               | 106 | B1-U0-G3   | 3427         | 34          | B0-U0-G1 |            |      |      |    |          |
| IV-HS      | 12797              | 99           |             |                     |       | B1-U0-G2   | 13353               | 103 | B1-U0-G3   | 13909               | 107 | B1-U0-G3   | 14465               | 112 | B1-U0-G3   | 3616         | 36          | B0-U0-G1 |            |      |      |    |          |
| IV-FT-HS   | 12093              | 93           |             |                     |       | B1-U0-G3   | 12619               | 97  | B1-U0-G3   | 13145               | 101 | B1-U0-G3   | 13671               | 105 | B1-U0-G3   | 3418         | 34          | B0-U0-G2 |            |      |      |    |          |
| 80         | 700                | 173.5        |             |                     |       | II         | 21195               | 122 | B3-U0-G3   | 22116               | 127 | B3-U0-G3   | 23038               | 133 | B3-U0-G3   | 23960        | 138         | B3-U0-G3 | N/A        |      | N/A  |    |          |
|            |                    |              |             |                     |       | II-FR      | 21337               | 123 | B3-U0-G2   | 22265               | 128 | B3-U0-G2   | 23193               | 134 | B3-U0-G2   | 24121        | 139         | B3-U0-G2 |            |      | N/A  |    |          |
|            |                    |              | III-M       | 21566               | 124   | B3-U0-G3   | 22504               | 130 | B3-U0-G3   | 23441               | 135 | B3-U0-G3   | 24379               | 141 | B3-U0-G4   | N/A          |             |          |            |      |      |    |          |
|            |                    |              | III-W       | 20024               | 115   | B3-U0-G4   | 20894               | 120 | B3-U0-G4   | 21765               | 125 | B3-U0-G4   | 22636               | 130 | B3-U0-G4   | N/A          |             |          |            |      |      |    |          |
|            |                    |              | IV          | 21404               | 123   | B3-U0-G3   | 22335               | 129 | B3-U0-G3   | 23265               | 134 | B3-U0-G3   | 24196               | 139 | B3-U0-G3   | N/A          |             |          |            |      |      |    |          |
|            |                    |              | IV-FT       | 19498               | 112   | B3-U0-G4   | 20346               | 117 | B3-U0-G4   | 21193               | 122 | B3-U0-G4   | 22041               | 127 | B3-U0-G4   | N/A          |             |          |            |      |      |    |          |
|            |                    |              | VSQ-N       | 22371               | 129   | B4-U0-G2   | 23343               | 135 | B4-U0-G2   | 24316               | 140 | B4-U0-G2   | 25289               | 146 | B4-U0-G2   | N/A          |             |          |            |      |      |    |          |
|            |                    |              | VSQ-M       | 21937               | 126   | B5-U0-G3   | 22891               | 132 | B5-U0-G3   | 23845               | 137 | B5-U0-G3   | 24799               | 143 | B5-U0-G3   | N/A          |             |          |            |      |      |    |          |
|            |                    |              | VSQ-W       | 21413               | 123   | B5-U0-G4   | 22344               | 129 | B5-U0-G4   | 23275               | 134 | B5-U0-G4   | 24206               | 140 | B5-U0-G4   | N/A          |             |          |            |      |      |    |          |
|            |                    |              | II-HS       | 15501               | 89    | B1-U0-G3   | 16175               | 93  | B1-U0-G3   | 16849               | 97  | B1-U0-G3   | 17523               | 101 | B1-U0-G3   | N/A          |             |          |            |      |      |    |          |
|            |                    |              | II-FR-HS    | 15768               | 91    | B1-U0-G2   | 16454               | 95  | B1-U0-G2   | 17139               | 99  | B1-U0-G2   | 17824               | 103 | B1-U0-G2   | N/A          |             |          |            |      |      |    |          |
|            |                    |              | III-M-HS    | 15683               | 90    | B1-U0-G3   | 16365               | 94  | B1-U0-G3   | 17046               | 98  | B1-U0-G3   | 17728               | 102 | B1-U0-G4   | N/A          |             |          |            |      |      |    |          |
|            |                    |              | III-W-HS    | 15350               | 88    | B1-U0-G4   | 16018               | 92  | B1-U0-G4   | 16685               | 96  | B1-U0-G4   | 17353               | 100 | B1-U0-G4   | N/A          |             |          |            |      |      |    |          |
|            |                    |              | IV-HS       | 16198               | 93    | B1-U0-G3   | 16902               | 97  | B1-U0-G3   | 17606               | 101 | B1-U0-G3   | 18310               | 106 | B1-U0-G3   | N/A          |             |          |            |      |      |    |          |
|            |                    |              | IV-FT-HS    | 15308               | 88    | B1-U0-G4   | 15974               | 92  | B1-U0-G4   | 16639               | 96  | B1-U0-G4   | 17305               | 100 | B1-U0-G4   | N/A          |             |          |            |      |      |    |          |
|            |                    |              | 80          | 875                 | 221.5 | II         | 25400               | 115 | B3-U0-G3   | 26504               | 120 | B3-U0-G4   | 27608               | 125 | B3-U0-G4   | 28713        | 130         | B3-U0-G4 |            | N/A  | N/A  |    |          |
|            |                    |              |             |                     |       | II-FR      | 25570               | 115 | B3-U0-G2   | 26682               | 120 | B3-U0-G2   | 27794               | 125 | B3-U0-G2   | 28905        | 130         | B4-U0-G2 |            |      | N/A  |    |          |
| III-M      | 25844              | 117          |             |                     |       | B3-U0-G4   | 26967               | 122 | B3-U0-G4   | 28091               | 127 | B3-U0-G4   | 29215               | 132 | B3-U0-G4   | N/A          |             |          |            |      |      |    |          |
| III-W      | 23996              | 108          |             |                     |       | B3-U0-G4   | 25040               | 113 | B3-U0-G4   | 26083               | 118 | B3-U0-G4   | 27126               | 122 | B3-U0-G4   | N/A          |             |          |            |      |      |    |          |
| IV         | 25650              | 116          |             |                     |       | B3-U0-G4   | 26765               | 121 | B3-U0-G4   | 27880               | 126 | B3-U0-G4   | 28996               | 131 | B3-U0-G4   | N/A          |             |          |            |      |      |    |          |
| IV-FT      | 23365              | 105          |             |                     |       | B3-U0-G4   | 24381               | 110 | B3-U0-G5   | 25397               | 115 | B3-U0-G5   | 26413               | 119 | B3-U0-G5   | N/A          |             |          |            |      |      |    |          |
| VSQ-N      | 26808              | 121          |             |                     |       | B5-U0-G2   | 27974               | 126 | B5-U0-G2   | 29139               | 132 | B5-U0-G2   | 30305               | 137 | B5-U0-G2   | N/A          |             |          |            |      |      |    |          |
| VSQ-M      | 26289              | 119          |             |                     |       | B5-U0-G3   | 27432               | 124 | B5-U0-G3   | 28575               | 129 | B5-U0-G3   | 29718               | 134 | B5-U0-G3   | N/A          |             |          |            |      |      |    |          |
| VSQ-W      | 25661              | 116          |             |                     |       | B5-U0-G4   | 26777               | 121 | B5-U0-G4   | 27893               | 126 | B5-U0-G4   | 29008               | 131 | B5-U0-G4   | N/A          |             |          |            |      |      |    |          |
| II-HS      | 18576              | 84           |             |                     |       | B1-U0-G3   | 19384               | 88  | B1-U0-G3   | 20191               | 91  | B1-U0-G4   | 20999               | 95  | B2-U0-G4   | N/A          |             |          |            |      |      |    |          |
| II-FR-HS   | 18896              | 85           |             |                     |       | B1-U0-G2   | 19717               | 89  | B1-U0-G2   | 20539               | 93  | B1-U0-G2   | 21360               | 96  | B1-U0-G2   | N/A          |             |          |            |      |      |    |          |
| III-M-HS   | 18794              | 85           |             |                     |       | B1-U0-G4   | 19611               | 89  | B1-U0-G4   | 20428               | 92  | B1-U0-G4   | 21245               | 96  | B1-U0-G4   | N/A          |             |          |            |      |      |    |          |
| III-W-HS   | 18395              | 83           |             |                     |       | B1-U0-G4   | 19195               | 87  | B1-U0-G4   | 19995               | 90  | B1-U0-G4   | 20795               | 94  | B1-U0-G4   | N/A          |             |          |            |      |      |    |          |
| IV-HS      | 19411              | 88           |             |                     |       | B1-U0-G4   | 20255               | 91  | B1-U0-G4   | 21099               | 95  | B1-U0-G4   | 21943               | 99  | B1-U0-G4   | N/A          |             |          |            |      |      |    |          |
| IV-FT-HS   | 18345              | 83           |             |                     |       | B1-U0-G4   | 19143               | 86  | B1-U0-G4   | 19940               | 90  | B1-U0-G4   | 20738               | 94  | B1-U0-G4   | N/A          |             |          |            |      |      |    |          |

IES File downloads for this product can be found at [www.usaltg.com/downloads/asr.html](http://www.usaltg.com/downloads/asr.html)

## PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

PAC18-PLED-AL-48LED-525mA-40K - 16' Mounting Height (14' Pole)



## PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PLED-AL)

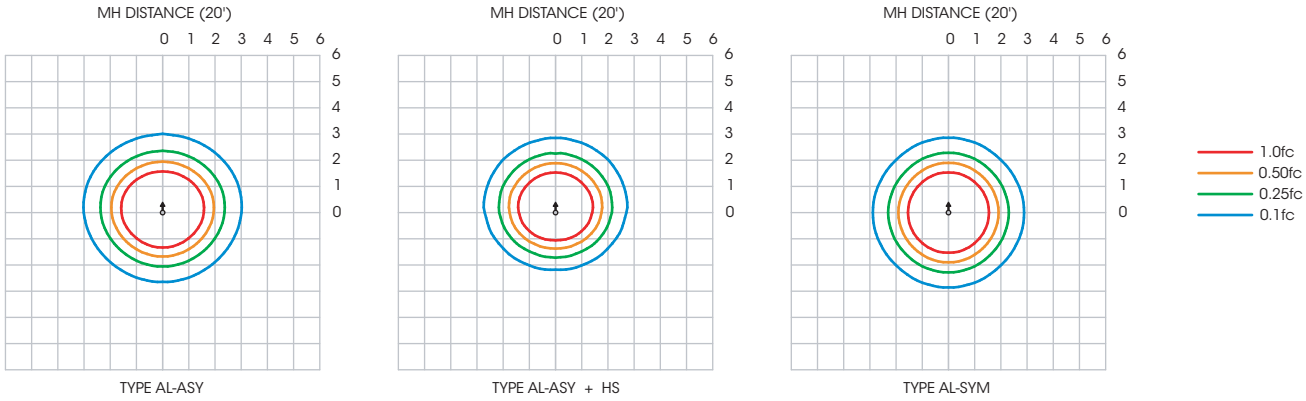
| PAC18-PLED-AL |                    |              |             |                     |     |            |                     |     |            |                     |     |            |                     |     |            |              |             |     |            |
|---------------|--------------------|--------------|-------------|---------------------|-----|------------|---------------------|-----|------------|---------------------|-----|------------|---------------------|-----|------------|--------------|-------------|-----|------------|
| LED Count     | Drive Current (mA) | System Watts | Dist'n Type | 27K (2700K - 70CRI) |     |            | 30K (3000K - 70CRI) |     |            | 40K (4000K - 70CRI) |     |            | 50K (5000K - 70CRI) |     |            | System Watts | TRA (590nm) |     |            |
|               |                    |              |             | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING |              | LUMENS      | LPW | BUG RATING |
| 48            | 175                | 26.5         | ASY         | 2953                | 111 | B1-U0-G1   | 3081                | 116 | B1-U0-G1   | 3210                | 121 | B1-U0-G1   | 3338                | 126 | B1-U0-G1   | 20.4         | 1156        | 57  | B1-U0-G1   |
|               |                    |              | SYM         | 2956                | 112 | B1-U0-G1   | 3085                | 116 | B1-U0-G1   | 3213                | 121 | B1-U0-G1   | 3342                | 126 | B1-U0-G1   |              | 1157        | 57  | B1-U0-G0   |
|               |                    |              | ASY-HS      | 2113                | 80  | B1-U0-G1   | 2205                | 83  | B1-U0-G1   | 2297                | 87  | B1-U0-G1   | 2389                | 90  | B1-U0-G1   |              | 827         | 41  | B0-U0-G0   |
| 48            | 350                | 53.6         | ASY         | 5572                | 104 | B2-U0-G1   | 5814                | 108 | B2-U0-G1   | 6057                | 113 | B2-U0-G1   | 6299                | 118 | B2-U0-G2   | 41.3         | 1938        | 47  | B1-U0-G1   |
|               |                    |              | SYM         | 5578                | 104 | B2-U0-G1   | 5820                | 109 | B2-U0-G1   | 6063                | 113 | B2-U0-G1   | 6306                | 118 | B2-U0-G1   |              | 1940        | 47  | B1-U0-G0   |
|               |                    |              | ASY-HS      | 3987                | 74  | B1-U0-G1   | 4160                | 78  | B1-U0-G1   | 4334                | 81  | B1-U0-G1   | 4508                | 84  | B1-U0-G1   |              | 1387        | 34  | B1-U0-G0   |
| 48            | 525                | 80.7         | ASY         | 7923                | 98  | B2-U0-G2   | 8268                | 102 | B3-U0-G2   | 8612                | 107 | B3-U0-G2   | 8957                | 111 | B3-U0-G2   | 62.1         | 2239        | 36  | B1-U0-G1   |
|               |                    |              | SYM         | 7932                | 98  | B3-U0-G1   | 8276                | 103 | B3-U0-G1   | 8622                | 107 | B3-U0-G1   | 8966                | 111 | B3-U0-G1   |              | 2241        | 36  | B1-U0-G1   |
|               |                    |              | ASY-HS      | 5670                | 70  | B2-U0-G1   | 5916                | 73  | B2-U0-G1   | 6163                | 76  | B2-U0-G1   | 6409                | 79  | B2-U0-G1   |              | 1602        | 26  | B1-U0-G1   |
| 48            | 700                | 108.0        | ASY         | 9968                | 92  | B3-U0-G2   | 10401               | 96  | B3-U0-G2   | 10835               | 100 | B3-U0-G2   | 11268               | 104 | B3-U0-G2   | N/A          | N/A         |     |            |
|               |                    |              | SYM         | 9979                | 92  | B3-U0-G1   | 10413               | 96  | B3-U0-G1   | 10847               | 100 | B3-U0-G1   | 11280               | 104 | B3-U0-G1   |              | N/A         |     |            |
|               |                    |              | ASY-HS      | 7133                | 66  | B2-U0-G1   | 7443                | 69  | B2-U0-G1   | 7753                | 72  | B2-U0-G1   | 8063                | 75  | B2-U0-G2   |              | N/A         |     |            |
| 48            | 875                | 134.7        | ASY         | 11734               | 87  | B3-U0-G2   | 12245               | 91  | B3-U0-G2   | 12755               | 95  | B3-U0-G3   | 13265               | 98  | B3-U0-G3   | N/A          | N/A         |     |            |
|               |                    |              | SYM         | 11747               | 87  | B3-U0-G1   | 12258               | 91  | B3-U0-G1   | 12769               | 95  | B3-U0-G1   | 13279               | 99  | B3-U0-G1   |              | N/A         |     |            |
|               |                    |              | ASY-HS      | 8397                | 62  | B2-U0-G2   | 8762                | 65  | B2-U0-G2   | 9127                | 68  | B2-U0-G2   | 9492                | 70  | B3-U0-G2   |              | N/A         |     |            |

IES File downloads for this product can be found at [www.usalgt.com/downloads/asr.html](http://www.usalgt.com/downloads/asr.html)



## PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

PAC24-PLED-AL-80LED-525mA-40K - 20' Mounting Height (18' Pole)



## PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PLED-AL)

| PAC24-PLED-AL |                    |              |             |                     |     |            |                     |     |            |                     |     |            |                     |     |            |              |             |     |            |
|---------------|--------------------|--------------|-------------|---------------------|-----|------------|---------------------|-----|------------|---------------------|-----|------------|---------------------|-----|------------|--------------|-------------|-----|------------|
| LED Count     | Drive Current (mA) | System Watts | Dist'n Type | 27K (2700K - 70CRI) |     |            | 30K (3000K - 70CRI) |     |            | 40K (4000K - 70CRI) |     |            | 50K (5000K - 70CRI) |     |            | System Watts | TRA (590nm) |     |            |
|               |                    |              |             | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING | LUMENS              | LPW | BUG RATING |              | LUMENS      | LPW | BUG RATING |
| 80            | 175                | 41.9         | ASY         | 4725                | 113 | B2-U0-G1   | 4930                | 118 | B2-U0-G1   | 5136                | 123 | B2-U0-G1   | 5341                | 127 | B2-U0-G1   | 32.3         | 1849        | 57  | B1-U0-G1   |
|               |                    |              | SYM         | 4730                | 113 | B2-U0-G1   | 4936                | 118 | B2-U0-G1   | 5141                | 123 | B2-U0-G1   | 5347                | 128 | B2-U0-G1   |              | 1851        | 57  | B1-U0-G0   |
|               |                    |              | ASY-HS      | 3381                | 81  | B1-U0-G1   | 3529                | 84  | B1-U0-G1   | 3676                | 88  | B1-U0-G1   | 3822                | 91  | B1-U0-G1   |              | 1323        | 41  | B1-U0-G0   |
| 80            | 350                | 85.8         | ASY         | 8915                | 104 | B3-U0-G2   | 9303                | 108 | B3-U0-G2   | 9691                | 113 | B3-U0-G2   | 10078               | 117 | B3-U0-G2   | 66.1         | 3101        | 47  | B1-U0-G1   |
|               |                    |              | SYM         | 8925                | 104 | B3-U0-G1   | 9312                | 109 | B3-U0-G1   | 9700                | 113 | B3-U0-G1   | 10089               | 118 | B3-U0-G1   |              | 3104        | 47  | B1-U0-G1   |
|               |                    |              | ASY-HS      | 6379                | 74  | B2-U0-G1   | 6657                | 78  | B2-U0-G1   | 6934                | 81  | B2-U0-G1   | 7212                | 84  | B2-U0-G1   |              | 2219        | 34  | B1-U0-G1   |
| 80            | 525                | 129.7        | ASY         | 12677               | 98  | B3-U0-G3   | 13228               | 102 | B3-U0-G3   | 13779               | 106 | B3-U0-G3   | 14331               | 110 | B3-U0-G3   | 99.9         | 3583        | 36  | B1-U0-G1   |
|               |                    |              | SYM         | 12691               | 98  | B3-U0-G1   | 13242               | 102 | B3-U0-G1   | 13794               | 106 | B3-U0-G1   | 14346               | 111 | B3-U0-G1   |              | 3587        | 36  | B1-U0-G1   |
|               |                    |              | ASY-HS      | 9072                | 70  | B2-U0-G2   | 9466                | 73  | B3-U0-G2   | 9860                | 76  | B3-U0-G2   | 10255               | 79  | B3-U0-G2   |              | 2564        | 26  | B1-U0-G1   |
| 80            | 700                | 173.5        | ASY         | 15949               | 92  | B3-U0-G3   | 16642               | 96  | B3-U0-G3   | 17335               | 100 | B3-U0-G3   | 18030               | 104 | B3-U0-G3   | N/A          | N/A         |     |            |
|               |                    |              | SYM         | 15967               | 92  | B3-U0-G1   | 16660               | 96  | B3-U0-G1   | 17355               | 100 | B3-U0-G1   | 18049               | 104 | B3-U0-G1   |              | N/A         |     |            |
|               |                    |              | ASY-HS      | 11413               | 66  | B3-U0-G2   | 11909               | 69  | B3-U0-G2   | 12405               | 71  | B3-U0-G2   | 12901               | 74  | B3-U0-G2   |              | N/A         |     |            |
| 80            | 875                | 221.5        | ASY         | 18775               | 85  | B3-U0-G3   | 19592               | 88  | B3-U0-G3   | 20408               | 92  | B3-U0-G3   | 21224               | 96  | B4-U0-G3   | N/A          | N/A         |     |            |
|               |                    |              | SYM         | 18796               | 85  | B4-U0-G1   | 19613               | 89  | B4-U0-G1   | 20430               | 92  | B4-U0-G2   | 21247               | 96  | B4-U0-G2   |              | N/A         |     |            |
|               |                    |              | ASY-HS      | 13435               | 61  | B3-U0-G2   | 14019               | 63  | B3-U0-G2   | 14603               | 66  | B3-U0-G2   | 15187               | 69  | B3-U0-G2   |              | N/A         |     |            |

IES File downloads for this product can be found at [www.usaltg.com/downloads/asr.html](http://www.usaltg.com/downloads/asr.html)