SOLID STATE AREA LIGHTING

MOZART SERIES-LED

SPECIFICATIONS

FIXTURE HOUSING
One piece unitized precise heavy wall cast aluminum construction comprised of low copper (< 0.2% Cu) aluminum. Hood is fastened to the Housing with a stainless steel hinge and secured with a fool-less stainless steel latch 180° opposite the hinge. Housing and Hood is sealed with an extruded closed cell silicone gasket. Driver/wiring access through top of Mounting Hub. Hub accommodates a 2¾" x 3" tenon. All exposed hardware is stainless steel.

LED OPTICAL MODULE
Low copper A356 alloy (< 0.2% copper) cast aluminum housing. Integrated clear tempered 3/16" glass lens sealed with a continuous silicone gasket protects emitters (LED's) and emitter Reflector-Prism optics, and seals the module from water intrusion and environmental contaminants. Reflector-Prism injection molded from H12 acrylic. Each Reflector-Prism has indexing pins for aiming and is secured to an optical plate made of matte black anodized aluminum. The optical plate locates a Reflector-Prism over each emitter. Reflector-Prisms are arrayed to produce IES Type II, III, IV, and V-SQ distributions. The entire Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord. Lens, module and drivers are field replaceable.

LED EMITTERS
High output LED’s are utilized with drive currents ranging from 350mA to 700mA. 70CRI Minimum. LED’s are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

LED DRIVER
UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277, 50/60hz, or 347-480V 50/60hz and utilizes 0-10v dimming. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Surge protector supplied for field installation at the most conveniently serviceable location.

FINISH
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step sand blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

---

Fitter supplied to fit over 2 7/8" X 3" (73mm X 76mm) tenon.

<table>
<thead>
<tr>
<th>FIXTURE</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOZ</td>
<td>26&quot;</td>
<td>34.5&quot;</td>
</tr>
<tr>
<td>MOZM</td>
<td>20&quot;</td>
<td>26.5&quot;</td>
</tr>
</tbody>
</table>

2016235

Sun Valley Lighting
660 West Avenue O, Palmdale, CA 93551
Phone (661) 233-2000 Fax (661) 233-2001
www.usaltg.com
**MOZART SERIES - LED**

**SPECIFICATIONS**

**MOZ-LED**  
E.P.A. = 2.30  
Available in: 120 LED Max.

**MOZM-LED**  
E.P.A. = 1.49  
Available in: 80 LED Max.

**MOZ-LED**  
MOZM-LED

**MODULES**

**LUMINAIRE OPTIONS**

- DARK BRONZE  
  RAL-8019-T
- GREEN  
  RAL-6005-T
- WHITE  
  RAL-9003-T
- GREY  
  RAL-7004-T
- BLACK  
  RAL-9005-T

For smooth finish replace suffix "T" with suffix "S" (example: RAL-9003-S)

**OPTICS**

**LED MOUNTING**

- Arm Model #  
  XXX/2-90 (TYP.)
- Arm Model #  
  XXX/3-90 (TYP.)
- Arm Model #  
  XXX/4-90 (TYP.)
- Arm Model #  
  XXX/1 (TYP.)
- Arm Model #  
  XXX/2-180 (TYP.)
- Arm Model #  
  XXX/3-120 (TYP.)
- Arm Model #  
  XXX/4-40 (TYP.)

**MAX INPUT WATTS/ HID EQUIVALENTS**

<table>
<thead>
<tr>
<th># OF LED's</th>
<th>DRIVE CURRENT</th>
<th>SYSTEM WATTS</th>
<th>HID EQUIV</th>
<th>APPROX. LUMENS - 4,000</th>
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<tbody>
<tr>
<td>48</td>
<td>350mA</td>
<td>59</td>
<td>70 - 100w</td>
<td>4,501</td>
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<td>52</td>
<td>350mA</td>
<td>70</td>
<td>100 - 130w</td>
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<tr>
<td>64</td>
<td>350mA</td>
<td>80</td>
<td>130 - 150w</td>
<td>7,823</td>
</tr>
<tr>
<td>80</td>
<td>350mA</td>
<td>100</td>
<td>150 - 175w</td>
<td>10,166</td>
</tr>
<tr>
<td>100</td>
<td>350mA</td>
<td>120</td>
<td>175 - 200w</td>
<td>10,873</td>
</tr>
</tbody>
</table>

**OPTIONS**

- TPN twist lock receptacle only  
  (ANSI C136.41) …… TPRI
- Internal house side shields  
  HS-VLED
- High-low dimming for hardwired switching or non-integrated motion sensor  
  HLSV
- Photo cell + voltage  
  (Example: PC+V)
- Twist lock photocell + voltage  
  …… TPC+V
- Contact factory for step dim motion sensor  
  (Programmed 150-250)

Spec/Order Example: MOZ-LED/VLED-III/64LED-700mA/NW/277/PT/RAL-9003-S/HS-VLED

**ARM MOUNT**

- **Standard Textured Finish**
  - BLACK  RAL-9005-T
  - WHITE  RAL-9003-T
  - GREY  RAL-7004-T
  - DARK BRONZE  RAL-8019-T
  - GREEN  RAL-6005-T

- **Post Top Mount**  
  - STANDARD 2" x 3" TENON

- **Wall Mount**  
  - WM

**WALL MOUNT**

- **Arm Bracket Extruded and Cast Aluminum Construction.**  
  (XBW-WM Shown)

**VLED® MODULES**

- **120 LED Module**
- **80 LED Module**

**OPTICS LED MOUNTING**

- **IES DISTRIBUTION TYPE**
  - TYPE I VLED - II
  - TYPE I VLED - III
  - TYPE I VLED - IV
  - TYPE V-SQ  VLED- V-SQ

- **# of LED’s**  
  - 100LED
  - 120LED
  - 64LED
  - 80LED

**LED MOUNTING**

- **MOZ-LED**
  - 120LED
  - 100LED
  - 80LED
  - 64LED
  - 48LED

- **MOZM-LED**
  - 80LED
  - 64LED
  - 48LED

**VOLTAGE**

- 120V
- 208V
- 240V
- 277V
- 347V
- 480V

**COLOR TEMP-CCT**

- WW (3000K)
- CW (5000K)
- NW (4000K)

**SYSTEM VOLTAGE**

- 120V
- 208V
- 240V
- 277V
- 347V
- 480V

**SYSTEM DRIVE CURRENT**

- 350mA
- 525mA
- 700mA
- 700mA
- 700mA

**SYSTEM EFFICIENCY**

- 70 - 100w
- 100 - 130w
- 130 - 150w
- 150 - 175w
- 175 - 200w
- 200 - 250w

**APPROX. LUMENS**

- 4,000
- 5,577
- 7,825
- 10,219
- 13,061
- 16,873

**NOTE:**  
1 - 64LED, 48LED Only  
2 - 64LED & 48LED Only

**TRANSPARENT/CHROMOPHORE**

- WHITE  RAL-9016-T
- LIGHT BLUE  RAL-5010-T
- GRAY  RAL-7035-T
- GREEN  RAL-6024-T
- DARK GREEN  RAL-6005-T

**CONTACT FACTORY FOR ADDITIONAL COLORS**

Sun Valley Lighting

660 West Avenue O, Palmdale, CA 93551
Phone (661) 233-2000 Fax (661) 233-3021
www.usaltg.com
## MOZART SERIES - LED  
**LAMP/ELECTRICAL GUIDE**

<table>
<thead>
<tr>
<th>LED COUNT</th>
<th>SOURCE TYPE</th>
<th>SOURCE</th>
<th>INITIAL LUMENS - 4000K</th>
<th>INITIAL LUMENS - 3000K</th>
<th>INITIAL LUMENS - 5000K</th>
<th>L70 GREATER THAN (HR)</th>
<th>STARTING TEMP</th>
<th>SYSTEM WATTS</th>
<th>VOLTS</th>
<th>MAX INPUT AMPS</th>
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<tbody>
<tr>
<td>48</td>
<td>LED</td>
<td>48 LED Optical Module - 350mA</td>
<td>4.241 - 4,760</td>
<td>3.731 - 4,187</td>
<td>4.337 - 4,868</td>
<td>60,000+</td>
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<td>48 LED Optical Module - 525mA</td>
<td>5.871 - 6,557</td>
<td>5.152 - 5,755</td>
<td>6.009 - 6,711</td>
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<td>48 LED Optical Module - 700mA</td>
<td>7.515 - 8,131</td>
<td>6.579 - 7,119</td>
<td>7.696 - 8,327</td>
<td>60,000+</td>
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<td>64 LED Optical Module - 350mA</td>
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<td>5.373 - 6,031</td>
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<td>64 LED Optical Module - 525mA</td>
<td>7.393 - 8,257</td>
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<td>7.566 - 8,451</td>
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<td>64 LED Optical Module - 700mA</td>
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<td>8.691 - 9,110</td>
<td>10.166 - 10,655</td>
<td>60,000+</td>
<td>-20°F</td>
<td>134</td>
<td>120</td>
<td>277</td>
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<td>80</td>
<td>LED</td>
<td>80 LED Optical Module - 350mA</td>
<td>7.131 - 7,452</td>
<td>6.273 - 6,556</td>
<td>7.292 - 7,620</td>
<td>60,000+</td>
<td>-20°F</td>
<td>85</td>
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<td>80 LED Optical Module - 525mA</td>
<td>9.994 - 10,444</td>
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<td>10.228 - 10,689</td>
<td>60,000+</td>
<td>-20°F</td>
<td>130</td>
<td>120</td>
<td>277</td>
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<tr>
<td>100</td>
<td>LED</td>
<td>100 LED Optical Module - 350mA</td>
<td>8.862 - 9,260</td>
<td>7.796 - 8,146</td>
<td>9.062 - 9,469</td>
<td>60,000+</td>
<td>-20°F</td>
<td>109</td>
<td>120</td>
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<td>120 LED Optical Module - 350mA</td>
<td>10.634 - 11,112</td>
<td>9.355 - 9,776</td>
<td>10.874 - 11,363</td>
<td>60,000+</td>
<td>-20°F</td>
<td>130</td>
<td>120</td>
<td>277</td>
</tr>
</tbody>
</table>

**NOTES:**
1. Max Input Amps is the highest of starting, operating or open circuit currents.
2. Lumen values for LED Modules vary according to the distribution type.
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV – 20KV surge suppressors.
5. L70(10K) – TM-21 6x rule applied
6. L70(10K) – Calculated = 244,000 @ 700mA

**WARNING:** All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.
SOLID STATE AREA LIGHTING
MOZART-WA SERIES-LED

SPECIFICATIONS

FIXTURE HOUSING
One piece unitized precise heavy wall cast aluminum construction comprised of low copper (< 0.2% Cu) aluminum. Hood is fastened to the Housing with a stainless steel hinge and secured with a tool-less stainless steel latch 180° opposite the hinge. Housing and Hood is sealed with an extruded closed cell silicone gasket. White Acrylic enclosure is gasketed at the fixture Mounting Hub and crown with an extruded closed cell silicone gasket. Driver/wiring access is inside the enclosure and accesses through the top of the Mounting Hub. Hub accommodates a 2⅞” x 3” tenon. All exposed hardware is stainless steel.

LED POWER ARRAY™
Three-dimensional array of individual LED Tubes fastened to a retaining plate. Each LED Tube consists of circuit board populated with a multiple of LED’s and is mechanically fastened to a radial aluminum heat sink. A diffuse acrylic lens and end cap protects each LED Tube’s internal components.

VERTICAL POWER ARRAY™: LED Tubes are aligned vertically and equally arranged radially to produce an even raw light distribution that simulates standard light sources. Produces a minimal glare, symmetric diffuse light distribution. Used in conjunction with a smooth, white, acrylic diffusing enclosure.

LED EMITTERS
High output LED’s are utilized with drive currents ranging from 350mA to 525mA. 70CRI Minimum. LED’s are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

LED DRIVER
UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz or 347-480V, 50/60hz and utilizes 0-10v dimming. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Surge protector supplied for field installation at the most conveniently serviceable location.

FINISH
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step sand blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

<table>
<thead>
<tr>
<th>FIXTURE</th>
<th>A</th>
<th>B</th>
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<tbody>
<tr>
<td>MOZ-WA</td>
<td>26”</td>
<td>34.5”</td>
</tr>
<tr>
<td></td>
<td>60mm</td>
<td>87mm</td>
</tr>
<tr>
<td>MOZM-WA</td>
<td>20”</td>
<td>26.5”</td>
</tr>
<tr>
<td></td>
<td>60mm</td>
<td>67mm</td>
</tr>
</tbody>
</table>
MOZART-WA SERIES - LED

SPECIFICATIONS

ARM STYLES

XAC

XAZ-UP

XAT

WALL MOUNT

LED POWER ARRAY™ MODULE

MOZ-WA-LED

E.P.A. = 2.27
VERTICAL ARRAY
Available in: 80 LED Max.

MOZM-WA-LED

E.P.A. = 1.48
VERTICAL ARRAY
Available in: 48 LED Max.

ARM BRACKET EXTRUDED AND CAST ALUMINUM CONSTRUCTION.
WALL PLATE

Spec/Order Example: MOZM-WA-LED/VPA-SYM/36LED-525mA/WW/277/PT/RAL-9005-T

<table>
<thead>
<tr>
<th>S P E C / O R D E R I N G</th>
<th>I N F O R M A T I O N</th>
</tr>
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<tbody>
<tr>
<td>LUMINAIRE</td>
<td>OPTICS</td>
</tr>
<tr>
<td>MOZ-WA-LED</td>
<td>VERTICAL POWER ARRAY</td>
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Sun Valley Lighting
60 West Avenue O, Palmdale, CA 93551
Phone (661) 233-2000  Fax (661) 233-2001
www.usaltg.com
## Mozart-WA Series - VPA LED

<table>
<thead>
<tr>
<th>LED Count</th>
<th>Source Type</th>
<th>Source</th>
<th>Initial Lumens - 4000K</th>
<th>Initial Lumens - 3000K</th>
<th>Initial Lumens - 5000K</th>
<th>L70 Greater Than (HR)</th>
<th>Starting Temp</th>
<th>System Watts</th>
<th>Volts</th>
<th>Max Input Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>LED</td>
<td>24 VPA LED Power Array - 350mA</td>
<td>2.453</td>
<td>2.158</td>
<td>2.508</td>
<td>60,000+</td>
<td>-20°F</td>
<td>37</td>
<td>120</td>
<td>0.23</td>
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<td>277</td>
<td>347</td>
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<td>&lt; 0.10</td>
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<tr>
<td>24</td>
<td>LED</td>
<td>24 VPA LED Power Array - 525mA</td>
<td>3.434</td>
<td>3.021</td>
<td>3.511</td>
<td>60,000+</td>
<td>-20°F</td>
<td>55</td>
<td>120</td>
<td>0.34</td>
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<td>32 VPA LED Power Array - 350mA</td>
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<td>120</td>
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<td>54</td>
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<td>4.531</td>
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<td>5.017</td>
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<td>120</td>
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### Notes:
1. Max Input Amps is the highest of starting, operating, or open circuit currents.
2. Lumen values for LED Modules vary according to the distribution type.
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV – 20KV surge suppressors.
5. L70(10K) – TM-21 6x rule applied

L70(10K) – Calculated = 244,000 @ 700mA

**Warning:** All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.
SOLID STATE AREA LIGHTING

MOZART-CPA SERIES-LED

SPECIFICATIONS

FIXTURE HOUSING
One piece unitized precise heavy wall cast aluminum construction comprised of low copper (A356 alloy, <0.2% Cu) aluminum. Hood is fastened to the Housing with a stainless steel hinge and secured with a tool-less stainless steel latch 180° opposite the hinge. Housing and Hood is sealed with an extruded closed cell silicone gasket. Clear Patterned Acrylic enclosure is gasketed at the fixture Mounting Hub and crown with an extruded closed cell silicone gasket. Driver/wiring access is inside the enclosure and accesses through the top of the Mounting Hub. Hub accommodates a 2 7/8" x 3" tenon. All exposed hardware is stainless steel.

LED POWER ARRAY™
Three-dimensional array of individual LED Tubes fastened to a retaining plate. Each LED Tube consists of circuit board populated with a multiple of LED’s and is mechanically fastened to a radial aluminum heat sink. A diffuse acrylic lens and end cap protects each LED Tube’s internal components.

ANGLED POWER ARRAY™: Micro-Reflectors mounted around each LED control the raw emitter output. LED Tubes are rotated on their vertical axis, angled on their horizontal axis, and arrayed to produce highly efficient IES Distribution Types II, III, IV and V. Used in conjunction with a clear patterned acrylic enclosure.

VERTICAL POWER ARRAY™: LED Tubes are aligned vertically and equally arranged radially to produce an even raw light distribution that simulates standard light sources. Produces a minimal glare, symmetric diffuse light distribution. Used in conjunction with prismatic glass refractor to produce symmetric or asymmetric distributions and surrounded by a Clear Patterned Acrylic enclosure.

LED EMITTERS
High output LED’s are utilized with drive currents ranging from 350mA to 525mA. 70CRI Minimum. LED’s are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

LED DRIVER
UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Surge protector supplied for field installation at the most conveniently serviceable location.

FINISH
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step sand blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.
MOZART-CPA SERIES - LED

SPECIFICATIONS

MOZ-CPA-LED

E.P.A. = 2.27

MOZM-CPA-LED

E.P.A. = 1.48

LUMINAIRE

FINISH OPTIONS

DARK BRONZE
RAL-8019-T
GREEN
RAL-6005-T
WHITE
RAL-9003-T
GREY
RAL-7004-T
BLACK
RAL-9005-T

Standard Textured Finish

For Smooth Finish Replace Suffix “I” With Suffix “S” (Example: RAL-9005-S)

See Usaltg.com for Additional Colors

DRIVE CURRENT

350mA
525mA

WALL MOUNT

MOZ-CPA
APA MODELS

40LED
80LED

80 LED Max.

VERTICAL ARRAY

Available in:

GRV MODELS
APA MODELS

48 LED Max.

MOZM-CPA
APA MODELS

32LED
48LED

48 LED Max.

MOZM-CPA
APA MODELS

36LED
24LED

48 LED Max.

MOZM-CPA
APA MODELS

36LED
24LED

48 LED Max.

Spec/Order Example: MOZM-CPA-LED/GRV-III/48LED-525mA/WW/120/PT/RAL-9005
# Mozart-CPA Series - APA LED Lamp/Electrical Guide

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<th>SOURCE TYPE</th>
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<th>Initial Lumens - 4000K</th>
<th>Initial Lumens - 3000K</th>
<th>Initial Lumens - 5000K</th>
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<th>Starting Temp</th>
<th>System Watts</th>
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**NOTES:**
1. Max Input Amps is the highest of starting, operating, or open circuit currents.
2. Lumen values for LED Modules vary according to the distribution type.
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV – 20KV surge suppressors.
5. L70(10K) – TM-21 6x rule applied: L70(10K) – Calculated = 244,000 @ 700mA.

**WARNING:** All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.
<table>
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<tr>
<th>LED COUNT</th>
<th>SOURCE TYPE</th>
<th>SOURCE</th>
<th>INITIAL LUMENS - 4000K</th>
<th>INITIAL LUMENS - 3000K</th>
<th>INITIAL LUMENS - 5000K</th>
<th>L70 GREATER THAN (HR)</th>
<th>STARTING TEMP</th>
<th>SYSTEM WATTS</th>
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<th>MAX INPUT AMPS</th>
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<td>24 LED</td>
<td>24 GRV/VPA</td>
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<td>LED Power Array - 525mA</td>
<td>2,787 - 2,852</td>
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<td>2,853 - 2,919</td>
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