Areamaster™ Generation 2 and High Lumen LED Luminaire
Floodlight for Hazardous Locations

Applications
- Enclosed and gasketed fixtures suitable for use in a wide range of industrial, chemical processing and other areas where flammable gases and vapors are present, for example:
  - Oil and Gas Refineries
  - Petrochemical Plants
  - Foundries
  - Drilling Rigs
  - Pulp and Paper Mills
  - Food and Beverage Processing Facilities
  - Loading Docks
  - Power Plants
  - Water and Wastewater Treatment Facilities
  - Other areas where corrosive, wet, dirty and tough environments are a problem
- IP66/IP67, Type 4X, marine and wet locations. IP66 for IECEx/ATEX.
- Locations requiring dependable, consistent lighting in extreme hot/cold temperature environments. -40°C to +65°C (-40°F to +149°F) ambient temperature range. -40°C to +55°C (-40°F to +131°F) for high lumen AMLHL3 output.
- Globally rated luminaires with all applicable certification labels for NEC/CEC and ATEX/IECEx environments. See Certifications and Compliances for details.

Features
- Six lumen outputs provide up to 38,000 lumens.
- Choice of optics for optimal light distribution in a variety of applications.
- Separate field wiring compartment with screw terminal block for easy and secure connection (can accept UL/CSA 26-10AWG).
- Two 3/4" NPT entries provided. Optional M20 metric adapters available.
- Yoke bracket is designed to accommodate traditional Areamaster brackets and slipfitters for easy retrofit. Optional stainless steel yoke bracket is available.
- Choice of color temperature (CCT): 5000K cool white, 4000K neutral white, or 3000K warm white.
- Rugged and compact housing with superior thermal design translates to long luminaire life.
- Heavy duty, high temperature silicone rubber gaskets.
- Thermal shock and impact resistant clear or frosted glass lens.
- Standard 6KV surge protection.
- Captive fasteners secure one piece lens.
- Field replaceable LED driver and lens cover.

Options
- Improved safety cable design with multiple retention points, purchase separately
- Guard and visor available, purchase separately
- Slip-fitters and mounting brackets available for easy pole or wall mounting
- Stainless steel yoke bracket
- 10kV Surge Protection, for NEC/CEC only

Standard Materials
- Housing, lens door: copperfree (4/10 of 1% max.) aluminum
- Gaskets: silicone rubber
- Yoke: zinc plated HR steel
- Bolts: stainless steel
- Close up plugs: (1) aluminum provided
- Guard and safety cable: stainless steel
- Visor: Aluminum

Standard Finishes
- Housing, lens cover, visor and yoke mount: architectural bronze polyester

Related Products
- Industrial Areamaster Generation 2 and High Lumen LED
- Round Tapered Steel Poles
- Hinged Steel Poles
- Square Tapered Steel Poles
- Square Steel Poles
- Floodlight Mounting Brackets
Areamaster™ Generation 2 and High Lumen LED Luminaire
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NEC/CEC Certifications and Compliances
- UL Standards:
  - UL844, Luminaires for Use in Hazardous Locations
  - UL1598, Luminaires
  - UL1598A, Luminaires for Installation on Marine Vessels
  - UL 8750, LED Equipment for Use in Lighting Products
- CSA Standards:
  - CSA C22.2 No. 250.0, Luminaires
  - CSA C22.2 No. 137, Luminaires for Use in Hazardous Locations
- cCSAus 164460 Certificate Number: AMLG – 70073611, AMLH – 70073613

ATEX/IECEx Certifications and Compliances
- Certification Type: Areamaster Generation 2 and High Lumen LED
  - Gas: Zone 2
    - Type of Protection: Ex ec IIIC Gc
    - Temperature Class: AMLG – T5 to T3; AMLH – T4 to T3
  - Dust: Zone 21
    - Type of Protection: Ex op is tb IIIC Db
      - Surface Temperature: +85°C to +100°C (+185°F to +212°F)
  - Ambient Temperature: -40°C to +65°C (-40°F to +149°F), -40°C to +55°C (-40°F to +131°F) for high lumen AMLHL3 output.
- ATEX Certificate: ITS18ATEX104171 Issue 01
- IECEx Certificate: IECEx ITS 18.0049_1
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK10
- Photobiological Safety, IEC 62778 and IEC 62471: Risk Group 1 (RG1)

DesignLights™ Consortium (for the following models)
- All models pending.
Areamaster™ Generation 2 and High Lumen LED Luminaire
Floodlight for Hazardous Locations

NEC/CEC:
- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2 AEx/Ex ec Group IIC Gc
- Class II, Division 1 and 2, Groups E, F, G
- Class III
- Zone 20 and 21 Group IIC

NEC/CEC:
- Zone 21, AEx/Ex tb Group IIC Db
- Simultaneous Exposure
- Marine Outside Type (Salt Water) for USA ONLY
- Wet Locations
- Type 3R, 4, 4X, IP66/67

ATEX/IECEx:
- Zone 2 and 21
- IP66
- II 3G 2D
- IK10
- Ex ec IIIC T5

Illustrated Features

Light Where You Need It
Choose from 3 color temperatures and a variety of secondary optics to put light where your application needs it most. Unsure of which optic is best for your job? Contact your sales representative to get a free 3D Dialux simulation.

The Right Beam Pattern for Your Application

<table>
<thead>
<tr>
<th>Beam Pattern</th>
<th>Description</th>
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<tbody>
<tr>
<td>NEMA 7x7 – Uniform light spread, perfect for most typical flood lighting applications.</td>
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<tr>
<td>NEMA 7x6 – Mimics traditional HID light distribution. Light intensity is directed forward and side-to-side to maximize spacing between luminaires.</td>
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<tr>
<td>NEMA 5x5 – Narrow, spot type forward intensity focus. Enables higher mounting heights (50 ft / 15m+) while maintaining delivered light on surface (footcandles/lux).</td>
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<tr>
<td>NEMA 3x3 – Very Narrow, spot type forward intensity focus. Enables highest mounting heights (100 ft / 30m+) while maintaining delivered light on surface (footcandles/lux).</td>
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Front-Facing Wiring Compartment
The Areamaster gasketed front wiring compartment with screw terminal block, and captive screws offers unmatched installation ease and convenience.

Replaceable Drivers
Easy to access, field replaceable drivers extend the useful life of your luminaire up to 200,000 hours or more. Shown above, the Areamaster High Lumen which demands two LED drivers for the very bright outputs up to 38,000 lumens.

Visitor and Guard
Whether using to comply with light pollution regulations, or simply controlling your light more and protecting your lens, our optional visor and guards are readily available for your applications.
Areamaster™ Generation 2 and High Lumen LED Luminaire

Floodlight for Hazardous Locations

<table>
<thead>
<tr>
<th>NEC/CEC:</th>
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<th>ATEX/IECEx:</th>
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<td>Type 3R, 4, 4X, IP66/67</td>
<td>Ex ec IIC T5</td>
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</table>

Order using catalog numbering guides below or select catalog number from tables on following pages.

AMLG

Series: Areamaster 2 LED

Color Temp CCT:
- C - 5000K
- N - 4000K
- W - 3000K

Lumen Level ①:
- L6 - 9K
- L7 - 15K
- L8 - 19K

Beam Spread:
- 6 - 7x7 (non-optic)
- 7 - 7x6

Diffusion:
- G - Clear Glass
- F - Frosted Glass
- D - Diffused Polycarbonate ⑤

Voltage:
- BU - 120-277 Vac 50/60 Hz, 125-300 VDC
- BH - 347-480 Vac 50/60 Hz ③

Options:
- F - Fusing ②
- S - 10 KV Surge Protection ④
- M - M20 Metric Cable Entry Adapters

AMLH

Series: Areamaster 2 HL LED Series

Color Temp CCT:
- C - 5000K
- N - 4000K
- W - 3000K

Lumen Level ①:
- L1 - 24K
- L2 - 30K
- L3 - 38K

Beam Spread:
- 3 - NEMA 3x3
- 5 - NEMA 5x5
- 6 - NEMA 7x7 (non-optic)
- 7 - NEMA 7x6

Diffusion:
- G - Clear Glass
- F - Frosted Glass

Voltage:
- BU - 120-277 Vac 50/60 Hz, 125-300 VDC
- BH - 347-480 Vac 50/60 Hz ③

Options:
- F - Fusing ②
- S - 10 KV Surge Protection ④
- M - M20 Metric Cable Entry Adapters

① All lumen values are typical (tolerance +/- 10%)
② Use of fuse voids Marine rating. Fusing available for NEC/CEC only.
③ BH voltage available for NEC/CEC only.
④ 10KV Surge Protection available for NEC/CEC only.
⑤ Diffused polycarbonate available for NEC/CEC only.
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Simultaneous Exposure
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Wet Locations
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Ex ec llC T5

Lumen Output Tables — AML

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</table>

① All lumen values and wattage typical (tolerance +/- 10%)
② For 347-480 Vac voltage, change -BU suffix to -BH, example AMLGL1CG6BH.
For 3/4” NPT to M20 metric adapters, add suffix -M to end of part number, example AMLGL1CG6BUM.
For Fusing option, add suffix -F to end of part number, example AMLGL1CG6BUF.
For 10KV surge protection, add suffix -S to end of part number, example AMLGL1CG7BUS.
For both Fusing and 10KV surge, add suffix -FS to end of part number, example AMLGL1CG7BUFS.
See catalog numbering guide for certification restrictions.

Visit our website at www.emerson.com or contact us at (800) 621-1506.
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**Areamaster™ Generation 2 and High Lumen LED Luminaire**

**Floodlight for Hazardous Locations**

### Lumen Output Tables — AML

<table>
<thead>
<tr>
<th>Color Temperature</th>
<th>Diffusion</th>
<th>Lumen Output ①</th>
<th>Wattage</th>
<th>Efficacy (lm/W)</th>
<th>Optical Pattern</th>
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① All lumen values and wattage typical (tolerance +/- 10%)

② For 347-480 Vac voltage, change -BU suffix to -BH, example AMLGL1CG6BH.

For 3/4" NPT to M20 metric adapters, add suffix -M to end of part number, example AMLGL1CG6BUM.

For Fusing option, add suffix -F to end of part number, example AMLGL1CG6BUF.

For 10KV surge protection, add suffix -S to end of part number, example AMLGL1CG7BUS.

For both Fusing and 10KV surge, add suffix -FS to end of part number, example AMLGL1CG7BUFS.

See catalog numbering guide for certification restrictions.
## Areamaster™ Generation 2 and High Lumen LED Luminaire

### Floodlight for Hazardous Locations

**NEC/CEC:**
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- Class I, Zone 2 AEx/Ex ec Group IIC Gc
- Class II, Division 1 and 2, Groups E, F, G
- Class III ZEA21 Group IIIC

**NEC/CEC:**
- Zone 21, AEx/Ex ec Group IIIC Db
- Marine Outside Type (Salt Water) for USA ONLY
- Wet Locations Type 3R, 4, 4X, IP66/67

**ATEX/IECEx:**
- Zone 2 and 21
- IP66
- II 3G 2D
- IK10

### All lumen values and wattage typical (tolerance +/- 10%)

### For 347-480 Vac voltage, change -BU suffix to -BH, example AMLHL1CG6BH.

### For 3/4” NPT to M20 metric adapters, add suffix -M to end of part number, example AMLHL1CG6BUM.

### For Fusing option, add suffix -F to end of part number, example AMLHL1CG6BUF.

### For 10KV surge protection, add suffix -S to end of part number, example AMLHL1CG7BUS.

### For both Fusing and 10KV surge, add suffix -FS to end of part number, example AMLHL1CG7BUFS.

### See catalog numbering guide for certification restrictions.

---

### Lumen Output Tables — AMLH

<table>
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<tr>
<th>Diffusion</th>
<th>Color Temperature</th>
<th>CCT</th>
<th>Lumen Output</th>
<th>Wattage</th>
<th>Efficacy (lm/W)</th>
<th>Optical Pattern</th>
<th>Catalog Number</th>
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## Lumen Output Tables — AMLH

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<th>CCT</th>
<th>5000K Cool White</th>
<th>4000K Neutral White</th>
<th>3000K Warm White</th>
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<td>Wattage</td>
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<td>110</td>
<td>121</td>
<td>112</td>
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<td>Efficacy (lm/W)</td>
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<td>55</td>
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① All lumen values and wattage typical (tolerance +/- 10%)
② For 347-480 Vac voltage, change -BU suffix to -BH, example AMLHL1C6BH.
For 3/4” NPT to M20 metric adapters, add suffix -M to end of part number, example AMLHL1C6BUM.
For Fusing option, add suffix -F to end of part number, example AMLHL1C6BUF.
For 10KV surge protection, add suffix -S to end of part number, example AMLHL1C6BUS.
For both Fusing and 10KV surge, add suffix -FS to end of part number, example AMLHL1C6BUSFS.
See catalog numbering guide for certification restrictions.
Areamaster™ Generation 2 and High Lumen LED Luminaire

Floodlight for Hazardous Locations

NEC/CEC:
- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2 AEx/Ex ec Group IIC Gc
- Class II, Division 1 and 2, Groups E, F, G
- Class III
- Zone 20 and 21 Group IIIC

NEC/CEC:
- Zone 21, AEx/Ex tb Group IIIC Db
- Marine Outside Type (Salt Water) for USA ONLY
- Wet Locations
- Type 3R, 4, 4X, IP66/67

ATEX/IECEx:
- Zone 2 and 21
- IP66
- II 3G 2D
- IK10
- Ex ec llC T5

Surge Protection: Integral 6KV surge protection. Option for up to 10KV surge protection. (cCSAus only).

All ratings are typical.

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<th>Voltage Suffix</th>
<th>Voltage (V)</th>
<th>Input Power (Watts)</th>
<th>Input Current (Amps)</th>
<th>Power Factor (PF)</th>
<th>Total Harmonic Distortion (THD)</th>
<th>Model Number</th>
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<td>&gt;.9</td>
<td>&lt;20%</td>
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<td>480 Vac</td>
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Surge Protection: Integral 6KV surge protection. Option for up to 10KV surge protection. (cCSAus only).

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Areamaster™ Generation 2 and High Lumen LED Luminaire
Floodlight for Hazardous Locations

**NEC/CEC:**
Class I, Division 2, Groups A, B, C, D
Class I, Zone 2 AEx/Ex ec Group IIC Gc
Class II, Division 1 and 2, Groups E, F, G
Class III
Zone 20 and 21 Group IIIC

**NEC/CEC:**
Class I, Zone 21, AEx/Ex ec Group IIIC Db
Simultaneous Exposure
Marine Outside Type (Salt Water) for USA ONLY
Wet Locations
Type 3R, 4, 4X, IP66/67

**ATEX/IECEx:**
Zone 2 and 21
IP66
II 3G 2D
IK10

**NEC/CEC Temperature Codes**

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<th>Max Ambient C° (°F)</th>
<th>Class I, Division 2 Groups A, B, C and D</th>
<th>Class I Zone 2 Group IIC</th>
<th>Class II, Division 1 Groups E, F and G</th>
<th>Zone 20, Group IIIC</th>
<th>Combined Class I, Division 2 &amp; Class II, Division 1</th>
<th>Gas Ex ec IIC, Zone 21, AEx ec IIC</th>
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<td>T85°C/100°C(0)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>55 (131)</td>
<td>T4A</td>
<td>T4</td>
<td>T6/T5(0)</td>
<td>T6/T5(0)</td>
<td>T4A</td>
<td>T4</td>
<td>T85°C/100°C(0)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>65 (149)</td>
<td>T4</td>
<td>T4</td>
<td>T5(0)</td>
<td>T5(0)</td>
<td>T4</td>
<td>T4</td>
<td>T85°C/100°C(0)</td>
</tr>
<tr>
<td>AMLHL2</td>
<td>680</td>
<td>40 (104)</td>
<td>T4</td>
<td>T4</td>
<td>T6/T5(0)</td>
<td>T6/T5(0)</td>
<td>T4</td>
<td>T4</td>
<td>T85°C/100°C(0)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>55 (131)</td>
<td>T4</td>
<td>T4</td>
<td>T5(0)</td>
<td>T5(0)</td>
<td>T4</td>
<td>T4</td>
<td>T85°C/100°C(0)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>65 (149)</td>
<td>T3C</td>
<td>T3</td>
<td>T5(0)</td>
<td>T5(0)</td>
<td>T4</td>
<td>T4</td>
<td>T85°C/100°C(0)</td>
</tr>
<tr>
<td>AMLHL3</td>
<td>915</td>
<td>40 (104)</td>
<td>T3C</td>
<td>T3</td>
<td>T6/T5(0)</td>
<td>T6/T5(0)</td>
<td>T3C</td>
<td>T3</td>
<td>T85°C/100°C(0)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>55 (131)</td>
<td>T3C</td>
<td>T3</td>
<td>T5(0)</td>
<td>T5(0)</td>
<td>T3C</td>
<td>T3</td>
<td>T85°C/100°C(0)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>65 (149)</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

**ATEX/IECEx Temperature Codes**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Max Driver Current (mA)</th>
<th>+40°C (+104°F)</th>
<th>+55°C (+131°F)</th>
<th>+65°C (+149°F)</th>
<th>+40°C (+104°F)</th>
<th>+55°C (+131°F)</th>
<th>+65°C (+149°F)</th>
<th>+55°C (+131°F)</th>
<th>+65°C (+149°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMLGL6</td>
<td>410</td>
<td>T5</td>
<td>T4</td>
<td>T4</td>
<td>T4</td>
<td>T85°C</td>
<td>T85°C</td>
<td>T85°C</td>
<td>T85°C</td>
</tr>
<tr>
<td>AMLGL7</td>
<td>680</td>
<td>T4</td>
<td>T3</td>
<td>T3</td>
<td>T3</td>
<td>T85°C</td>
<td>T85°C</td>
<td>T85°C</td>
<td>T100°C</td>
</tr>
<tr>
<td>AMLGL8</td>
<td>930</td>
<td>T3</td>
<td>T3</td>
<td>T3</td>
<td>T3</td>
<td>T85°C</td>
<td>T100°C</td>
<td>T100°C</td>
<td>T100°C</td>
</tr>
<tr>
<td>AMLHL1</td>
<td>530</td>
<td>T4</td>
<td>T4</td>
<td>T4</td>
<td>T4</td>
<td>T85°C</td>
<td>T85°C</td>
<td>T85°C(0)</td>
<td>T85°C(0)</td>
</tr>
<tr>
<td>AMLHL2</td>
<td>680</td>
<td>T4</td>
<td>T3</td>
<td>T3</td>
<td>T3</td>
<td>T85°C</td>
<td>T100°C</td>
<td>T100°C</td>
<td>T100°C</td>
</tr>
<tr>
<td>AMLHL3</td>
<td>915</td>
<td>T4</td>
<td>T3</td>
<td>T3</td>
<td>T3</td>
<td>T85°C</td>
<td>T100°C</td>
<td>T100°C</td>
<td>T100°C</td>
</tr>
</tbody>
</table>

Supply Wire Temperature for all: 90°C, 194°F

1. Diffused polycarbonate lens option is not certified for these ambient temperature and lumen output combinations. Diffused polycarbonate not available for AMLH high lumen series.
2. Diffused polycarbonate lens is certified for NEC/CEC only. No face up orientation for installation.
3. T5 is maximum allowed temperature code, and T100°C is maximum allowed temperature, when model number includes 3x3 secondary optic.
4. Areamaster High Lumen with 3x3 secondary optic surface temperature is T100°C for these ranges.
5. For input voltages of 125-169 VDC, an ambient temperature exceeding 55°C is not permitted.

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Areamaster™ Generation 2 and High Lumen LED Luminaire
Floodlight for Hazardous Locations

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- Class III
- Zone 20 and 21 Group IIIC

**ATEX/IECEx:**
- Zone 2 and 21
- IP66
- II 3G 2D
- Ex ec llC T5

**"T" Numbers Represent the Maximum Internal Temperature ☼ or Maximum Surface Temperature ☼**

<table>
<thead>
<tr>
<th>&quot;T&quot;</th>
<th>T1</th>
<th>350</th>
<th>325</th>
<th>T2</th>
<th>T2A</th>
<th>T2B</th>
<th>T2C</th>
<th>T2D</th>
<th>T3</th>
<th>T3A</th>
<th>T3B</th>
<th>T3C</th>
<th>T4</th>
<th>T4A</th>
<th>T5</th>
<th>T6</th>
</tr>
</thead>
</table>

| "T" | T1 | 301-450 (547-842) | T2 | 201-300 (394-572) | T3 | 136-200 (277-392) | T4 | 101-135 (214-275) | T5 | 86-100 (187-212) | T6 | 85 |

**AMLG**

90° to Ground-Worst Case Mounting

Frontal Projected Area (FPA) ft²: 1.52
Drag Coefficient (DC): 1.20
Effective Projected Area (EPA) = FPA DC ft²: 1.82

45° to Ground-Standard Mounting

Frontal Projected Area (FPA) ft²: 1.07
Drag Coefficient (DC): 1.2
Effective Projected Area (EPA) = FPA DC ft²: 1.28

**AMLH**

90° to Ground-Worst Case Mounting

Frontal Projected Area (FPA) ft²: 2.04
Drag Coefficient (DC): 1.20
Effective Projected Area (EPA) = FPA DC ft²: 2.45

45° to Ground-Standard Mounting

Frontal Projected Area (FPA) ft²: 1.44
Drag Coefficient (DC): 1.20
Effective Projected Area (EPA) = FPA DC ft²: 1.73

☼ T numbers represent the maximum internal temperature for Class I, Division 2 and Class I, Zone 2 locations designated by the NEC.
☼ T numbers represent the maximum surface temperature under a dust blanket for Class II, Division 1 and 2 as designated by the NEC.
Areamaster™ Generation 2 and High Lumen LED Luminaire
Floodlight for Hazardous Locations

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Simultaneous Exposure
Marine Outside Type (Salt Water) for USA ONLY
Wet Locations
Type 3R, 4, 4X, IP66/67

ATEX/IECEx:
Zone 2 and 21
IP66
II 3G 2D
Ex ec llC T5

Accessories and Replacement Parts

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crossarm Mounting Bracket</td>
<td>GAM8CA</td>
</tr>
<tr>
<td>Has 180° horizontal adjustment — degree marked. Facilitates mounting floodlight to crossarm or other flat surface, or to GAM8WB. Includes floodlight yoke bolts. Malleable iron, zinc plated, chromate sealed, architectural bronze polyester finish.</td>
<td></td>
</tr>
<tr>
<td>Pipe or Wall Mount Bracket</td>
<td>GAM8WB</td>
</tr>
<tr>
<td>Used with GAM8CA. Clamps to 1” to 2-1/2” pipe, vertical or horizontal, or mounts on flat surfaces. Includes U-bolt and crossarm bracket bolts. Malleable iron, zinc plated, chromate sealed, with architectural bronze polyester finish.</td>
<td></td>
</tr>
</tbody>
</table>

Crossarm Mounting Bracket (GAM8CA) used with Pipe or Wall Mount Bracket (GAM8WB).

Poletop Slip-Fitter | AMLEDSF1 |
| Slip-fits 1” or 1-1/2” pipe size poletop tenons. Includes floodlight yoke bolts, 3 locking bolts, and cord grip. Body is malleable iron-zinc plated, chromate sealed, with cast aluminum cap. Assembly has architectural bronze polyester finish. |

Poletop Slip-Fitter | GAM8SF |
| Slip-fits 2” or 2-1/2” poletop tenons. Includes floodlight yoke bolts, 3 locking bolts, and cord grip. Malleable iron, zinc plated, chromate sealed, with architectural bronze polyester finish. |
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- Class III
- Zone 20 and 21 Group IIIC

NEC/CEC:
- Zone 21, AEx/Ex tb Group IIIC Db
- Simultaneous Exposure
- Marine Outside Type (Salt Water) for USA ONLY
- Wet Locations
- Type 3R, 4, 4X, IP66/67

ATEX/IECEx:
- Zone 2 and 21
- IP66
- II 3G 2D
- IK10
- Ex ec IIc T5

Accessories and Replacement Parts

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall Mount Bracket</td>
<td>Used with GAM8SF and GSF20 to provide a wall mounting option. Galvanized Steel. <strong>GPSWB6GAL</strong></td>
</tr>
<tr>
<td>Wire Guard</td>
<td>Stainless steel. <strong>LGGUARD</strong></td>
</tr>
<tr>
<td>Safety Cable</td>
<td>Stainless steel. <strong>LEDSC</strong></td>
</tr>
<tr>
<td>Visor</td>
<td>Steel with architectural bronze polyester finish. For Dark Sky Friendly design. <strong>AMLVG</strong></td>
</tr>
<tr>
<td>Portable Floodlight Base</td>
<td>Portable floodlight base for temporary lighting applications. To be used with wire guard. Malleable iron with architectural bronze polyester finish. <strong>GAMPFB</strong></td>
</tr>
<tr>
<td>Replacement Covers</td>
<td><strong>AMLDIFFP</strong>, <strong>AMLHCLEAR</strong>, <strong>AMLFROST</strong></td>
</tr>
<tr>
<td>Yoke Mount Bracket</td>
<td>Stainless Steel Yoke Mount Bracket. For installations requiring a higher degree of corrosion protection. Made with all stainless steel components, no painted finish. <strong>AMLYMSS</strong></td>
</tr>
<tr>
<td>Architectural Bronze Replacement Yoke Bracket</td>
<td><strong>AMLYMAB</strong></td>
</tr>
</tbody>
</table>

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Areamaster™ Generation 2 and High Lumen LED Luminaire
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- Wet Locations
- Type 3R, 4, 4X, IP66/67

ATEX/IECEx:
- Zone 2 and 21
- IP68
- II 3G 2D
- IK10
- Ex ec llC T5

Replacement Drivers

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Driver Wattage</th>
<th>Constant Current Setting</th>
<th>Luminaire Model</th>
<th>CCT</th>
<th>Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU</td>
<td>100 watt</td>
<td>410mA</td>
<td>AMLGL6C, AMLGL6W</td>
<td>5K and 3K</td>
<td>APMS100C105UD41</td>
</tr>
<tr>
<td>BH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>APMS100C105HD41</td>
</tr>
<tr>
<td>BU</td>
<td>150 watt</td>
<td>650mA</td>
<td>AMLGL7W</td>
<td>3K</td>
<td>APMS150C105UD65</td>
</tr>
<tr>
<td>BH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>APMS150C105HD65</td>
</tr>
<tr>
<td>BU</td>
<td>150 watt</td>
<td>680mA</td>
<td>AMLGL7C</td>
<td>5k</td>
<td>APMS150C105UD68</td>
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<td>BH</td>
<td></td>
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<td></td>
<td></td>
<td>APMS150C105HD68</td>
</tr>
<tr>
<td>BU</td>
<td>150 watt</td>
<td>890mA</td>
<td>AMLGL8W</td>
<td>3K</td>
<td>APMS150C105UD89</td>
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<td>BH</td>
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<td></td>
<td></td>
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<td>APMS150C105HD89</td>
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<tr>
<td>BU</td>
<td>150 watt</td>
<td>930mA</td>
<td>AMLGL8C</td>
<td>5k</td>
<td>APMS150C105JD93</td>
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<tr>
<td>BH</td>
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<td>APMS150C105HD93</td>
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Areamaster Generation 2 Accessory Weights

<table>
<thead>
<tr>
<th>Description</th>
<th>Weight in kg (lbs)</th>
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</thead>
<tbody>
<tr>
<td>AMLGL6, AMLGL7, AMLGL8 Luminaires</td>
<td>9.8 (21.6)</td>
</tr>
<tr>
<td>AMLHL1, AMLHL2, AMLHL3 Luminaires</td>
<td>16.1 (35.4)</td>
</tr>
<tr>
<td>Yoke Bracket</td>
<td>1.41 (3.1)</td>
</tr>
<tr>
<td>Visor</td>
<td>0.2 (0.4)</td>
</tr>
<tr>
<td>Guard</td>
<td>0.2 (0.4)</td>
</tr>
<tr>
<td>Safety Cable</td>
<td>0.2 (0.4)</td>
</tr>
<tr>
<td>Crossarm Mounting Bracket GAM8CA</td>
<td>1.4 (3.1)</td>
</tr>
<tr>
<td>Pipe or Wall Mount Bracket GAM8WB</td>
<td>2.9 (6.4)</td>
</tr>
<tr>
<td>Poletop SlipFitter AMLEDWSF1</td>
<td>2.4 (5.3)</td>
</tr>
<tr>
<td>Poletop SlipFitter GAM8SF</td>
<td>—</td>
</tr>
</tbody>
</table>
**Areamaster™ Generation 2 and High Lumen LED Luminaire**

**Floodlight for Hazardous Locations**

**NEC/CEC:**
- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2 AEx/Ex ec Group IIC Gc
- Class II, Division 1 and 2, Groups E, F, G
- Class III
- Zone 20 and 21 Group IIIC

**NEC/CEC:**
- Zone 21, AEx/Ex tb Group IIIC Db
- Simultaneous Exposure
- Marine Outside Type (Salt Water) for USA ONLY
- Wet Locations
- Type 3R, 4, 4X, IP66/67

**ATEX/IECEx:**
- Zone 2 and 21
- IP66
- I 3G
- Ex ec llC T5

**AMLGL Dimensions in Millimeters (Inches)**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floodlight Width</td>
<td>328.7 mm (12.94 in)</td>
</tr>
<tr>
<td>Yoke Width</td>
<td>156.5 mm (6.16 in)</td>
</tr>
<tr>
<td>Mounting Holes</td>
<td>Ø 14 mm (0.56 in)</td>
</tr>
<tr>
<td>Hub Diameter</td>
<td>88.9 mm (3.5 in)</td>
</tr>
<tr>
<td>Hub Diameter</td>
<td>44.5 mm (1.75 in)</td>
</tr>
<tr>
<td>Hub Diameter</td>
<td>413.5 mm (16.28 in)</td>
</tr>
</tbody>
</table>

**Diagram:**

- 4 Yoke Bolts
- 3 Mounting Holes
- Conduit Entry
- 1/4-20 UNC-2B Thread
- 2 Hubs for 3/4" NPT Conduit

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Simultaneous Exposure
Marine Outside Type (Salt Water) for USA ONLY
Wet Locations
Type 3R, 4, 4X, IP66/67

**ATEX/IECEx:**
Zone 2 and 21
IP66
II 3G 2D
IK10
Ex ec IIIC T5

**AMLHL Dimensions in Millimeters (Inches)**

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ATEX/IECEx:
- Zone 2 and 21
- IP66
- II 3G 2D
- IK10 Ex ec IIc T5

Photometric Data — DATA SHOWN IS ABSOLUTE

NEMA 7x7, Frosted Glass, 5000K CCT
REPORT NUMBER: AMLZL6CF6BUM
Luminaire Lumen 7,454

NEMA 7x7, Clear Glass, 5000K CCT
REPORT NUMBER: AMLZL6C66BUM
Luminaire Lumen 9,027
Areamaster™ Generation 2 and High Lumen LED Luminaire
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- IP66
- II 3G 2D
- IK10
- Ex ec llC T5

Photometric Data — DATA SHOWN IS ABSOLUTE
NEMA 7x6, Clear Glass, 5000K CCT
REPORT NUMBER: AMLZL6CG7BUM
Luminaire Lumens 9,196

POLAR CANDELA DISTRIBUTION

ISOFOOT CANDLE PLOT AT 45°

FLOOD SUMMARY

Efficiency Lumens Horizontal Spread Vertical Spread
Field (10%) 98% 8,843 139° 128°
Beam (50%) 65.1% 6,000 95° 69°
Total 100% 9,196

Tilt Angle- 45 Degree LLF-0.9

Mounting Height (ft) 0.5fc/5lx 1fc/11lx 2fc/22lx 5fc/54lx
6 (20) 13 (44) 10 (34) 9 (28) 4 (12)
9 (30) 16 (53) 13 (42) 8 (26) 0
12 (40) 18 (52) 12 (40) 0 0

Side-to-Side Distance

Mounting Height (ft) 0.5fc/5lx 1fc/11lx 2fc/22lx 5fc/54lx
6 (20) 21 (68) 16 (52) 12 (40) 4 (14)
9 (30) 22 (72) 17 (57) 9 (30) 0
12 (40) 24 (80) 15 (48) 0 0

NEMA 7x7, Frosted Glass, 5000K CCT
REPORT NUMBER: AMLZL7CF6BUM
Luminaire Lumens 11,563

POLAR CANDELA DISTRIBUTION

ISOFOOT CANDLE PLOT AT 45°

FLOOD SUMMARY

Efficiency Lumens Horizontal Spread Vertical Spread
Field (10%) 97.5% 11,295 159° 156°
Beam (50%) 75.3% 8,725 112° 114°
Total 100% 11,563

Tilt Angle- 45 Degree LLF-0.9

Mounting Height (ft) 0.5fc/5lx 1fc/11lx 2fc/22lx 5fc/54lx
6 (20) 15 (48) 11 (36) 8 (26) 3 (10)
9 (30) 16 (51) 9 (30) 5 (15) 0
12 (40) 15 (50) 10 (32) 0 0

Side-to-Side Distance

Mounting Height (ft) 0.5fc/5lx 1fc/11lx 2fc/22lx 5fc/54lx
6 (20) 22 (72) 15 (48) 12 (40) 5 (16)
9 (30) 22 (72) 16 (54) 9 (30) 0
12 (40) 24 (80) 17 (56) 0 0

LED/FLOODLIGHTS: NEC/CEC, ATEX/IECEX ENCLOSED AND GASKETED
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ATEX/IECEx:
Zone 2 and 21
IP66
II 3G 2D
IK10
Ex ec llC T5

Photometric Data — DATA SHOWN IS ABSOLUTE
NEMA 7x7, Clear Glass, 5000K
REPORT NUMBER: AMLZL7CG6BUM
Luminaire Lumens 14,029

NEMA 7x6, Clear Glass, 5000K CCT
REPORT NUMBER: AMLZL7CG7BUM
Luminaire Lumens 14,343

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**Areamaster™ Generation 2 and High Lumen LED Luminaire**

**Floodlight for Hazardous Locations**

**NEC/CEC:**
- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2 AE/Ex ec Group IIC Gc
- Class II, Division 1 and 2, Groups E, F, G
- Class III
- Zone 20 and 21 Group IIC

**NEC/CEC:**
- Zone 21, AE/Ex ec Group IIIC Db
- Simultaneous Exposure
- Marine Outside Type (Salt Water) for USA ONLY
- Wet Locations
- Type 3R, 4, 4X, IP66/67

**ATEX/IECEx:**
- Zone 2 and 21
- IP66
- II 3G 2D
- Ex ec llC T5

**Photometric Data — DATA SHOWN IS ABSOLUTE**

**NEMA 7x7, Frosted Glass, 5000K CCT**

**REPORT NUMBER:** AMLZL8CF6BUM

**Luminaire Lumens 14,993**

**FLOOD SUMMARY**

<table>
<thead>
<tr>
<th>Efficiency</th>
<th>Lumens</th>
<th>Horizontal Spread</th>
<th>Vertical Spread</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field (10%)</td>
<td>97.5%</td>
<td>14,648</td>
<td>159°</td>
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<td>Beam (50%)</td>
<td>75.4%</td>
<td>11,323</td>
<td>112°</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
<td>14,993</td>
<td></td>
</tr>
</tbody>
</table>

**Tilt Angle—45 Degree LLF—0.9**

<table>
<thead>
<tr>
<th>Mounting Height (ft)</th>
<th>0.5fc/5lx m (ft)</th>
<th>1fc/11lx m (ft)</th>
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</thead>
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<tr>
<td>6 (20)</td>
<td>16 (52)</td>
<td>12 (40)</td>
<td>9 (30)</td>
<td>6 (20)</td>
</tr>
<tr>
<td>9 (30)</td>
<td>18 (59)</td>
<td>14 (64)</td>
<td>9 (30)</td>
<td>0</td>
</tr>
<tr>
<td>12 (40)</td>
<td>17 (56)</td>
<td>12 (40)</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Mounting Height (ft)**

- 6 (20) 16 (52) 12 (40) 9 (30) 5 (18)
- 9 (30) 9 (30) 13 (42) 9 (30) 0
- 12 (40) 18 (60) 12 (40) 0 0

**LED/FLOODLIGHTS: NEC/CEC, ATEX/IECEX ENCLOSED AND GASKETED**

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ATEX/IECEx:
- Zone 2 and 21
- IP66
- II 3G 2D
- IK10
- Ex ec llC T5

Photometric Data — DATA SHOWN IS ABSOLUTE
NEMA 7x6, Clear Glass, 5000K
REPORT NUMBER: AMLZL8CG78UM
Luminaire Lumens 18,558

Polardata™ — DATA SHOWN IS ABSOLUTE
NEMA 7x6, Clear Glass, 5000K
REPORT NUMBER: AMLZL8CG78UM
Luminaire Lumens 18,558

POLAR CANDELA DISTRIBUTION

FLOOD SUMMARY

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<td>138°</td>
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<tr>
<td>Beam (50%)</td>
<td>65.1%</td>
<td>12,103</td>
<td>94°</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
<td>18,558</td>
<td>127°</td>
</tr>
</tbody>
</table>

Tilt Angle— 45 Degree LLF—0.9

<table>
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<tr>
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<td>13 (44)</td>
<td>17 (56)</td>
<td>17 (56)</td>
</tr>
<tr>
<td>9 (30)</td>
<td>19 (63)</td>
<td>16 (53)</td>
<td>12 (41)</td>
<td>7 (24)</td>
</tr>
<tr>
<td>12 (40)</td>
<td>20 (66)</td>
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<tbody>
<tr>
<td>6 (20)</td>
<td>24 (80)</td>
<td>18 (60)</td>
<td>16 (52)</td>
<td>11 (36)</td>
</tr>
<tr>
<td>9 (30)</td>
<td>29 (96)</td>
<td>23 (75)</td>
<td>18 (60)</td>
<td>4 (12)</td>
</tr>
<tr>
<td>12 (40)</td>
<td>32 (104)</td>
<td>24 (80)</td>
<td>12 (40)</td>
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</tbody>
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Areamaster™ Generation 2 and High Lumen LED Luminaire

**Floodlight for Hazardous Locations**

**NEC/CEC:**
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- Class III

**Zone 20 and 21 Group IIIC**

**NEC/CEC:**
- Zone 21, AEx/Ex tb Group IIIC Db
- Simultaneous Exposure
- Marine Outside Type (Salt Water) for USA ONLY

**Wet Locations**
- Type 3R, 4, 4X, IP66/67

**ATEX/IECEx:**
- Zone 2 and 21
- IP66

**Photometric Data — DATA SHOWN IS ABSOLUTE**

**NEMA 7x7, Frosted Glass, 5000K CCT**

**REPORT NUMBER:** AMLZ6CF6BUM

Luminaire Lumens 7,454

**NEMA 7x7, Clear Glass, 5000K**

**REPORT NUMBER:** AMLZ6CG6BUM

Luminaire Lumens 9,027
Areamaster™ Generation 2 and High Lumen LED Luminaire
Floodlight for Hazardous Locations

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ATEX/IECEx:
- Zone 2 and 21
- IP66
- II 3G 2D
- IK10

Photometric Data — DATA SHOWN IS ABSOLUTE

- NEMA 7x6, Clear Glass, 5000K CCT
- NEMA 7x7, Frosted Glass, 5000K CCT

Luminaire Lumens 9,196
Luminaire Lumens 11,563

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Floodlight for Hazardous Locations

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Porotic Data — DATA SHOWN IS ABSOLUTE
NEMA 7x7, Clear Glass, 5000K
REPORT NUMBER: AMLZL7CG6BUM
Luminaire Luminens 14,029

Photometric Data — DATA SHOWN IS ABSOLUTE
NEMA 7x6, Clear Glass, 5000K
REPORT NUMBER: AMLZL7CG7BUM
Luminaire Luminens 14,343

**Flood Summary**

**Hazardous Locations**
- NEC/CEC:
  - Zone 21, AEx/Ex tb Group IIIC Db
  - Simultaneous Exposure
  - Marine Outside Type (Salt Water) for USA ONLY
- Wet Locations
  - Type 3R, 4, 4X, IP66/67

**ATEX/IECEx**
- Zone 2 and 21
- IP66
- II 3G 2D
- IK10
- Ex ec llC T5

**Photometric Data**

- **Field (10%)**
  - 98.4%
  - 13,830
  - 133°
  - 145°

- **Beam (50%)**
  - 90.1%
  - 12,669
  - 94°
  - 121°

- **Total**
  - 100%
  - 14,029

**Tilt Angle - 45 Degree LLF - 0.9**

<table>
<thead>
<tr>
<th>Mounting Height (ft)</th>
<th>0.5c/5lx m (ft)</th>
<th>1c/11lx m (ft)</th>
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<td>11 (36)</td>
<td>8 (25)</td>
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</tr>
<tr>
<td>9 (30)</td>
<td>16 (53)</td>
<td>11 (36)</td>
<td>7 (23)</td>
<td>0</td>
</tr>
<tr>
<td>12 (40)</td>
<td>16 (52)</td>
<td>10 (34)</td>
<td>2 (8)</td>
<td>0</td>
</tr>
</tbody>
</table>

**Side-to-Side Distance**

<table>
<thead>
<tr>
<th>Mounting Height (ft)</th>
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<tr>
<td>9 (30)</td>
<td>27 (90)</td>
<td>20 (66)</td>
<td>15 (48)</td>
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<tr>
<td>12 (40)</td>
<td>28 (92)</td>
<td>21 (68)</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Efficiency Lumens**

- **Horizontal Spread**
  - Field (10%): 96% 13,801 138° 127°
  - Beam (50%): 65.3% 9,390 94° 69°

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- II 3G 2D
- IK10

**Photometric Data — DATA SHOWN IS ABSOLUTE**

**NEMA 7x7, Frosted Glass, 5000K CCT**

**REPORT NUMBER:** AMLZL8CF6BUM

Luminaire Lumens 14,993

<table>
<thead>
<tr>
<th>POLAR CANDELA DISTRIBUTION</th>
<th>ISOFOOT CANDLE PLOT AT 45°</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Polar Candle Distribution" /></td>
<td><img src="image2" alt="Isofoot Candle Plot" /></td>
</tr>
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<td>12 (40)</td>
<td>0</td>
<td>0</td>
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**NEMA 7x7, Clear Glass, 5000K CCT**

**REPORT NUMBER:** AMLZL8CG6BUM

Luminaire Lumens 18,104

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<thead>
<tr>
<th>POLAR CANDELA DISTRIBUTION</th>
<th>ISOFOOT CANDLE PLOT AT 45°</th>
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<tbody>
<tr>
<td><img src="image3" alt="Polar Candle Distribution" /></td>
<td><img src="image4" alt="Isofoot Candle Plot" /></td>
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**Flood Summary**

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<tbody>
<tr>
<td>Field (10%)</td>
<td>98.3%</td>
<td>17,835</td>
<td>132°</td>
</tr>
<tr>
<td>Beam (50%)</td>
<td>90%</td>
<td>16,330</td>
<td>93°</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
<td>18,104</td>
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<td>9 (30)</td>
<td>9 (30)</td>
<td>13 (42)</td>
<td>9 (30)</td>
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<tr>
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<td>18 (60)</td>
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</tr>
</tbody>
</table>

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Photometric Data — DATA SHOWN IS ABSOLUTE
NEMA 7x6, Clear Glass, 5000K
REPORT NUMBER: AMLZL8CG7BUM
Luminaire Lumens 18,558

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<td>32 (104)</td>
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