



Certificate of Compliance

Certificate: 2618060

Master Contract: 164460

Project: 2670897

Date Issued: September 5, 2014

Issued to: EGS Electrical Group LLC

9377 W Higgins Rd
Rosemont, IL 60018
USA

Attention: Mr. Mickey Scherer

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Jim Belevitch

Issued by: Jim Belevitch

PRODUCTS

CLASS 3428 03 - FIXTURES AND FITTINGS - For Hazardous Locations

CLASS 3428 83 - FIXTURES AND FITTINGS - For Hazardous Locations-Certified to U.S. Standards

PART A:

Class I, Div. 2, Groups A, B, C, and D; T4/T3C/T3A; Type 3R, 4, 4X, Suitable for Wet Locations, Marine Outside Type (Salt Water), IP 66/67.

Notes: Marine Outside Type (Salt Water) rating is for installation in the USA only.

- **AREAMASTER LED luminaires.**

Certified Models with Glass Lens:

1. "AMLED67", followed by "Y" or "C", followed by "BU1", optionally followed by "FN".

Rated 120-277 Vac, 50/60 Hz, 86W.

2. "AMLED67", followed by "Y" or "C", followed by "BH", optionally followed by "FN".



Certificate: 2618060

Master Contract: 164460

Project: 2670897

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Rated 347-480 Vac, 50/60 Hz, 86W.

3. “AMLED77”, followed by “Y” or “C”, followed by “BU1”, optionally followed by “FN”.

Rated 120-277 Vac, 50/60 Hz, 125W.

4. “AMLED77”, followed by “Y” or “C”, followed by “BH”, optionally followed by “FN”.

Rated 347-480 Vac, 50/60 Hz, 120W.

5. “AMLED77”, followed by “Y” or “C”, followed by “BC”.

Rated 250 Vdc, 118W.

6. “AMLED87”, followed by “Y” or “C”, followed by “BU1”.

Rated 120-277 Vac, 50/60 Hz, 174W.

Ambient Temperature Range, Temperature Code, and Supply Wire Temperature Specification Table:

| Model | Ambient Temperature Range (°C) | T-Code | Supply Wire Min. Temperature Rating (°C) |
|----------------|---------------------------------------|---------------|---|
| AMLED67YBU1 | -40 to +40 | T4 | 75 |
| AMLED67YBU1 | -40 to +55 | T3C | 90 |
| AMLED67YBU1 | -40 to +65 | T3C | 90 |
| AMLED67YBH | -40 to +40 | T4 | 75 |
| AMLED77YBU1 | -40 to +40 | T4 | 75 |
| AMLED77YBU1 | -40 to +55 | T3C | 90 |
| AMLED77YBU1 | -40 to +65 | T3C | 90 |
| AMLED77YBH | -40 to +40 | T4 | 75 |
| and AMLED77YBC | | | |
| AMLED87YBU1 | -40 to +40 | T3C | 75 |



Certificate: 2618060

Master Contract: 164460

Project: 2670897

Date Issued: September 5, 2014

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|-------------|------------|-----|----|
| AMLED87YBU1 | -40 to +55 | T3A | 90 |
|-------------|------------|-----|----|

In the above table the suffix “Y” in the model designation was chosen arbitrarily in lieu of suffix “C” as the value of this suffix does not affect the ratings specified. In addition, the optional suffix “FN” does not affect the ratings specified.

Certified Models with Diffused Polycarbonate Lens:

1. “AMLED67”, followed by “Y” or “C”, followed by “BU1”, optionally followed by “FN”, followed by “D”.
Rated 120-277 Vac, 50/60 Hz, 86W.
2. “AMLED67”, followed by “Y” or “C”, followed by “BH”, optionally followed by “FN”, followed by “D”.
Rated 347-480 Vac, 50/60 Hz, 86W.
3. “AMLED77”, followed by “Y” or “C”, followed by “BU1”, optionally followed by “FN”, followed by “D”.
Rated 120-277 Vac, 50/60 Hz, 125W.
4. “AMLED77”, followed by “Y” or “C”, followed by “BH”, optionally followed by “FN”, followed by “D”.
Rated 347-480 Vac, 50/60 Hz, 120W.
5. “AMLED77”, followed by “Y” or “C”, followed by “BC”, followed by “D”.
Rated 250 Vdc, 118W.
6. “AMLED87”, followed by “Y” or “C”, followed by “BU1”, followed by “D”.
Rated 120-277 Vac, 50/60 Hz, 174W.



Certificate: 2618060

Master Contract: 164460

Project: 2670897

Date Issued: September 5, 2014

Ambient Temperature Range, Temperature Code, and Supply Wire Temperature Specification Table:

| Model | Ambient Temperature Range (°C) | T-Code | Supply Wire Min. Temperature Rating (°C) |
|-----------------|--------------------------------|--------|--|
| AMLED67YBU1D | -40 to +40 | T4 | 75 |
| AMLED67YBU1D | -40 to +55 | T3C | 90 |
| AMLED67YBU1D | -40 to +65 | T3C | 90 |
| AMLED67YBHD | -40 to +40 | T4 | 75 |
| AMLED77YBU1D | -40 to +40 | T4 | 75 |
| AMLED77YBU1D | -40 to +55 | T3C | 90 |
| AMLED77YBHD | -40 to +40 | T4 | 75 |
| and AMLED77YBCD | | | |
| AMLED87YBU1D | -40 to +40 | T3A | 75 |

In the above table the suffix “Y” in the model designation was chosen arbitrarily in lieu of suffix “C” as the value of this suffix does not affect the ratings specified. In addition, the optional suffix “FN” does not affect the ratings specified.

PART B:

Class II, Div. 1, Groups E, F, and G; Class II, Div. 2, Groups F and G; Class III; T6/T5/T4A; Type 3R, 4, 4X, Suitable for Wet Locations, Marine Outside Type (Salt Water), IP 66/67.

AND

Simultaneous Class I, Div. 2, Groups A, B, C, and D; Class II, Div. 1, Groups E, F, and G; Class II, Div. 2, Groups F and G; Class III; T4/T3C/T3B/T3A; Type 3R, 4, 4X, Suitable for Wet Locations, Marine Outside Type (Salt Water), IP 66/67.

Notes: Marine Outside Type (Salt Water) rating is for installation in the USA only.

- **AREAMASTER LED luminaires.**

Certified Models:

1. “AMLED67”, followed by “Y”, followed by “BU1”, optionally followed by “FN”.

Rated 120-277 Vac, 50/60 Hz, 86W.



Certificate: 2618060

Master Contract: 164460

Project: 2670897

Date Issued: September 5, 2014

2. “AMLED67”, followed by “Y”, followed by “BH”, optionally followed by “FN”.

Rated 347-480 Vac, 50/60 Hz, 86W.

3. “AMLED77”, followed by “Y”, followed by “BU1”, optionally followed by “FN”.

Rated 120-277 Vac, 50/60 Hz, 125W.

4. “AMLED77”, followed by “Y”, followed by “BH”, optionally followed by “FN”.

Rated 347-480 Vac, 50/60 Hz, 120W.

5. “AMLED77”, followed by “Y”, followed by “BC”.

Rated 250 Vdc, 118W.

6. “AMLED87”, followed by “Y”, followed by “BU1”.

Rated 120-277 Vac, 50/60 Hz, 174W.

Ambient Temperature Range, Temperature Code, and Supply Wire Temperature Specification Table:

| Model | Ambient Temperature Range (°C) | T-Code for Class II, Divs. 1 and 2, and Class III | T-Code for Simultaneous Class I, Div. 2 and Class II, Divs. 1 and 2, and Class III | Supply Wire Min. Temperature Rating (°C) |
|--------------|---------------------------------------|--|---|---|
| AMLED67YBU1 | -40 to +40 | T6 | T3C | 75 |
| AMLED67YBU1 | -40 to +55 | T6 | T3C | 90 |
| AMLED67YBU1 | -40 to +65 | T5 | T3C | 90 |
| AMLED67YBH | -40 to +40 | T6 | T3C | 75 |
| AMLED77YBU1 | -40 to +40 | T6 | T3C | 75 |
| AMLED77YBU1 | -40 to +55 | T5 | T3C | 90 |
| AMLED77YBU1 | -40 to +65 | T4A | T3C | 105 |



Certificate: 2618060

Master Contract: 164460

Project: 2670897

Date Issued: September 5, 2014

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|------------------------------|------------|-----|-----|----|
| AMLED77YBH and AMLED77YBC | -40 to +40 | T6 | T3C | 75 |
| AMLED87YBU1 | -40 to +40 | T5 | T3B | 75 |
| AMLED87YBU1 | -40 to +55 | T4A | T3A | 90 |

The optional suffix “FN” does not affect the ratings specified in the above table and hence it was not added to the model designations.

Restrictions of Class II, Div. 1, Class II, Div. 2, and Class III and Simultaneous Class I, Div. 2, Class II, Div. 1, Class II, Div. 2, and Class III certification:

1. Certification extends to luminaires fitted with a glass lens only.
2. Certification does not extend to chain mounted and pendant mounted luminaires.
3. The following luminaire mounting restriction must be observed for the luminaires to maintain certification:

The luminaire must be mounted vertically using the yoke provided in accordance with the manufacturer’s instructions sheet 650456-000 with lens facing forward and such that the two conduit entries by the yoke are facing vertically upward or downward. The luminaire may be rotated a maximum of 30° from the vertical plane such that the lens will be facing down. The luminaire must not be rotated such that the lens will be facing up at any angle. Care must be taken to ensure that dust does not accumulate on the glass lens surface and on the cooling fins at the back.

APPLICABLE REQUIREMENTS

- CAN/CSA C22.2 No. 0-10 - General Requirements - Canadian Electrical Code Part II.
- CAN/CSA C22.2 No. 94-M91 - Special Purpose Enclosures
- CAN/CSA C22.2 No. 60529:05 - Degrees of Protection Provided by Enclosure (IP Code)
- CAN/CSA C22.2 No. 137- M1981 - Electric Luminaries for Use in Hazardous Locations
- CAN/CSA C22.2 No. 250.0-08 - Luminaries
- UL 50, 11th Ed. - Enclosures for Electrical Equipment
- ANSI/IEC 60529 – 2004 - Degrees of Protection Provided by Enclosures (IP Code)
- UL 844, 12th Ed. - Electric Lighting Fixtures for Use in Hazardous (Classified) Locations



Certificate: 2618060

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|-------------------|---|---|
| UL 1598, 3rd Ed. | - | Luminaries |
| UL 1598A, 1st Ed. | - | Supplemental Requirements for Luminaires for Installation on Marine Vessels |
| UL 8750, 1st Ed. | - | Light Emitting Diode (LED) Equipment for Use in Lighting Products |

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The main adhesive marking label appears on the external surface of the luminaire and contains the following markings:

- Identification of the manufacturer: "EGS Electrical Group LLC" or Master Contract Number "164460" adjacent to the CSA Mark. Alternate: use one of the following registered trade names or trademark: "Appleton", "Appleton Electric", "Appleton Electric Company", "A in a triangle".
- Commercial Designation: "Areamaster LED".
- Catalogue Number.
- Hazardous locations designation.
- Zone equivalency marking: "Class I, Zone 2, Group IIC". (Optional).
- Electrical ratings: voltage, amperes, frequency, and watts.
- CSA Mark with the adjacent "C" and "US" indicators.
- IP66 (optional).
- IP67 (optional).
- Type 3R, 4, and 4X (optional).
- The phrase: "Marine Outside Type (Salt Water) – For Installation in the USA Only" (optional).



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- The phrase “See Adjacent Labels for Additional Ratings and Mounting Restrictions. Also Refer to Instructions Sheet 650456-000”.

A second adhesive marking label appears adjacent to the main label and contains the following markings:

- Temperature Code designation(s).
- Maximum Ambient temperature(s).
- Manufacturing date code.
- The phrase: “Assembled in USA”.
- Minimum required supply wire temperature rating.
- The phrase: “CAUTION -TO REDUCE THE RISK OF IGNITION OF HAZARDOUS ATMOSPHERES DISCONNECT THE FIXTURE FROM THE SUPPLY CIRCUIT BEFORE OPENING. KEEP TIGHTLY CLOSED WHEN IN OPERATION” in English and French.

A third adhesive marking label appears on the external surface of the luminaire, on the side opposite the side on which the main label is applied and contains mounting restriction marking required for Class II, Div. 1, Class II, Div. 2, and Class II and Simultaneous Class I, Div. 2, Class II, Div. 1, Class II, Div. 2, and Class III certification, in English and French.

A Fourth adhesive marking label appears inside the luminaire on the bottom right corner of the base enclosure inside surface and contains the product manufacturing date code and the product sequence number.

A Fifth adhesive label is provided on units that are provided with a fuse. The label is located adjacent to the fuseholder. The label indicates requirements for the replacement fuse type and its rating and contains the statement “Fuse is for supplementary protection only”.