



Certificate of Compliance

Certificate: 1351150

Master Contract: 150247

Project: 80180925

Date Issued: February 20, 2024

Issued To: Applied Strobe Technology Company Limited
8345 Stanley Ave
Niagara Falls, Ontario, L2G 0C8
Canada

Attention: Mike Slovak

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.

Issued by: Jerry Thai
Jerry Thai



PRODUCTS

CLASS - C342803 - FIXTURES AND FITTINGS For Hazardous Locations

CLASS - C342883 - FIXTURES AND FITTINGS For Hazardous Locations-Certified to U.S. Standards

Class I, Div. 2, Groups A, B, C and D; Class II, Div. 1 and 2, Groups E, F and G; Class III, Div. 1 and 2; Types 3 or 4X Temperature Coded:

- Strobe Light, Model Series AST-14, rated
 - ; 10-30Vdc, 0.8A max, with T code of T3A @ 40°C and T2C @ 85°C
 - ; 50-60Vdc, 0.4A max, with T code of T2D @ 40°C and T2B @ 85°C
 - ; 90-130Vdc, 0.175A max, with T code of T3C @ 40°C and T3 @ 85°C
 - ; 220-250Vdc, 70mA max, with T code of T3A @ 40°C and T2C @ 85°C
 - ; 90-130Vac 50/60Hz, 118mA max , with T code of T3C @ 40°C and T3 @ 85°C
 - ; and 220-250Vac 50/60Hz, 72mA max , with T code of T3A @ 40°C and T2C @ 85°C.



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Ambient Temperature Range : -40°C to +85°C (-50°C to +85°C for the low temperature model)

Model code:

AST-14-a-b-c-d-e

a=temperature range (S=standard, L=low temperature to -50°C)

b=minimum input volts (10, 50, 90, or 220)

c=maximum input volts (30, 60, 130 or 250)

d=ac or dc

e=lens color (AM, BL, RE, GR, CL or PU)

- Strobe Light, Model AST-14-Sync-21-30-Dc-Cl, max; rated 21-30Vdc, 0.5A max: for synchronized application– clear lens only-fire use only Ambient Temperature Range : -50°C to +85°C T rated T3A @ 40°C and T2C @ 85°C

APPLICABLE REQUIREMENTS

CSA C22.2 No. 250.0:21 (June 18, 2021)	Luminaires
CSA C22.2 No. 25-17 (R2022)	Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
CSA C22.2 No. 94.2:20	Enclosures For Electrical Equipment, Environmental Considerations
CSA C22.2 No. 137-M1981	Electric Luminaires for Use in Hazardous Locations
CSA C22.2 No. 205-17 (Third Edition)	Signal Equipment
UL 844, 12 th Ed	Electric Lighting Fixtures for Use in Hazardous (Classified) Locations
UL 1598, 5 th Ed. (June 18, 2021)	Luminaires
UL 1638 (Fifth Edition; Reprint with Revisions Through and Including September 6, 2017)	Visual Signaling Appliances
UL 50E, 3 rd Ed	Enclosures For Electrical Equipment, Environmental Considerations

MARKINGS

Refer to Report 1351150 for Markings Requirements.

Notes:



Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
80180925	February DD, 2024	Update to CSA report 1351150 for standard updates of CSA C22.2 No. 205-17 (Third Edition), UL 1638 (Fifth Edition; Reprint with Revision Through and Including September 6, 2017), CSA C22.2 No. 250.0:21 (June 18, 2021), UL 1598, 5 th Ed. (June 18, 2021), CSA C22.2 No. 94.2:20 and CSA C22.2 No. 25-17 (R2022). Lower ambient temperature range updated.
2540468	August 30, 2012	Update report 1351150 to revise operating temperature range, enclosure rating , and drawing revision level.
2473238	February 24, 2012	Update report 1351150 to add model AST-14-Sync-21-30-Dc-CI (for fire use only) and associated drawings.
2473238	January 27, 2010	Update to Report 1351150 to include alternate Bidirectional SIDAC (P/N K1300G) which can be used in place of the Bidirectional SIDAC K1300E70 (Q1) already used in this certificate.
2165339	August 20, 2009	Update to Report 1351150 to include alternate low temperature capacitors (four 100Vdc 390uF caps in series) for C1in all schematics, specify a resistance range for R2 of 3M to 22M, (was 6.8M) to allow the Flash rate to be changed and change R1 to 1W.
1906667	August 22, 2007	Addition on new control circuit board electrical ratings and addition of alternate capacitor and Lens material
1741552	June 14, 2006	Addition of Three New Circuit Boards and Electrical Ratings(90-130 Vac, 118 mA, 50/60 Hz; 220-250 Vac, 72 mA max, 50/60 Hz and 220-250 Vdc, 70 mA max)
1441028	June 12, 2003	Addition of 240V ac ratings, and add US requirements for Visual Signal Appliances.

History

- 1351150 Sept. 5, 2002 Update to Report LR 56828-2 to correct Temperature Code.
- 4 Aug.04,1995 To cover Model AST-14 (Pendant Mount).
- 2 Apr.28, 1989 Original certification