



Certificate of Compliance

Certificate: 1015646

Master Contract: 150247

Project: 80180924

Date Issued: January 30, 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, Groups B, C and D; Class II, Groups E, F and G; Class III, Encl 3, Temp Code T6:

- Strobe Light, Model Series AST-4, rated 10-30Vdc, 0.8A max; 50-60Vdc, 0.4A max; 90-130Vdc, 0.175A max; 220-250Vdc, 70mA max; 90-130Vac 50/60Hz, 118mA max; and 220-250Vac 50/60Hz, 72mA max. Ambient Temperature Range : -40°C to +85°C (-50°C to +85°C for the low temperature model)

Model code:

AST-4-a-b-c-d-e-f-g

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

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



Certificate: 70145885
Project: 80184825

Master Contract: 161704
Date Issued: January 30, 2024

c=maximum input volts (30, 60, 130 or 250)
d=ac or dc
e=lens color (AM, BL, RE, GR, CL or PU)
f=mounting (PM-75, CM-75, LBM-75 or SBM-75)
g=Guard (CG or Blank)

- Strobe Light, Ast-4-Sync-21-30-Dc-CI-F-g ; rated 21-30Vdc, 0.5A max: for synchronized application– clear lens only-fire use only Ambient Temperature Range : -50°C to +85°C

Class I, Groups C and D; Class II, Groups E, F and G; Class III, Encl 3, 4, 4X, Temp Code T6:

- Strobe Light, Model Series AST-4-K, rated 10-30Vdc, 0.8A max; 50-60Vdc, 0.4A max; 90-130Vdc, 0.175A max; 220-250Vdc, 70mA max; 90-130Vac 50/60Hz, 118mA max; and 220-250Vac 50/60Hz, 72mA max. Ambient Temperature Range : -40°C to +85°C (-50°C to +85°C for the low temperature model)

Model code:

AST-4-K-a-b-c-d-e-f-g
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)
f=mounting (PM-75, CM-75, WBM-75 or SBM-75)
g=Guard (CG or Blank)

- Strobe Light, Ast-4-K-Sync-21-30-Dc-CI-F-g ; rated 21-30Vdc, 0.5A max: for synchronized application– clear lens only-fire use only Ambient Temperature Range : -50°C to +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. 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



Certificate: 70145885
Project: 80184825

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MARKINGS

Refer to Report 1015646 for Markings Requirements.

Notes:

Products certified under Class C225802, C225882 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

Certificate: 1015646

Master Contract: 150247

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
80180924	January 30, 2024	Update to CSA report 1015646 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), and CSA C22.2 No. 25-17 (R2022). Additional construction details and Ast-4-K-Sync model added.
2473230	February 24, 2012	Update report to include Model AST-4-Sync-21-30-Dc-CI-F-g (for fire use only) and associated drawings.
2257170	January 25, 2010	Update to Report 1015646 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.
2133764	March 19, 2009	Update of Report 1015646 of Ast-4, Ast-4-K Series to include updated schematics/board layouts (alternate capacitor, resistor).
1965627	November 16, 2007	Update to certificate 1015646 to add additional control circuits electrical ratings
1907137	August 27, 2007	Update to certificate 1015646 to add additional control circuits electrical ratings 50-60 Vdc

History

1431395 June 12, 2006 Update to Certificate 1015646 to cover Series AST-4 with 240 V ac module rating and to correct minor report revisions.

1015646 Dec 12/99 Update to add NRTL certification ORIGINALLY ISSUED AS 2500000669.

-5 May 13/99 Addition of alternate CSA Certified fixture housing (Killark's EMI 14 Series) with Model designation

AST-4-K.

-4 Aug. 4/95 To cover Model AST-4 and AST14PM, 90-130V dc and 10-30V ac pcbs for strobe lights.

-1 May 22/84 To cover Model AST-4, strobe light