



Certificate of Compliance

Certificate: 2683406

Master Contract: 201067

Project: 2683406

Date Issued: May 15, 2014

Issued to: Chalmers Lighting

A Division of Hubbell Lighting Ltd.
388 Hillington Rd
Glasgow, G52 4BL
United Kingdom
Attention: Mr. George Banks

The products listed below are eligible to bear the CSA Mark shown



Jim Belevitch

Issued by: Jim Belevitch

PRODUCTS

CLASS 3428 03 - FIXTURES AND FITTINGS - For Hazardous Locations

Ex de IIB Gb; T3, T4, or T5 (as specified in the table below); Tamb = -50°C to +40°C/+45°C /+50°C /+55°C / +60°C (as specified in the table below); IP66. Suitable for Wet Locations.

Type 238 Wellglass Luminaire. Ratings are as specified in the table below.

Lamp Type	Electrical Input Rating	Wattage (W)	Ambient Temp. Range (°C)	Temp. Code	Supply Wire Min. Temp. Rating (°C)	Delay Time Before Opening (minutes)
SON/E	120/208/220/ 230/240/254 Vac, 50/60Hz	70	-50 To 40	T5	75	10
SON/E	120/208/220/ 230/240/254 Vac, 50/60Hz	70	-50 To 50	T4	75	10



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SON/E	120/208/220/ 230/240/254 Vac, 50/60Hz	70	-50 To 60	T4	90	10
SON/E	120/208/220/ 230/240/250 Vac, 50/60Hz	100	-50 To 40	T4	75	10
SON/E	120/208/220/ 230/240/250 Vac, 50/60Hz	100	-50 To 60	T4	90	10
SON/E	120/208/220/ 230/240/254 Vac, 50/60Hz	150	-50 To 40	T4	75	10
SON/E	120/208/220/ 230/240/254 Vac, 50/60Hz	150	-50 To 55	T3	90	10
SON/E	208/220/230/ 240Vac, 50/60Hz	250	-50 To 45	T3	90	10
MBI	120/208/220/ 230/240/254 Vac, 50/60Hz	70	-50 To 40	T5	75	10
MBI	120/208/220/ 230/240/254	70	-50 To 50	T4	75	10



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	Vac, 50/60Hz					
MBI	120/208/220/ 230/240/254 Vac, 50/60Hz	70	-50 To 60	T4	90	10
MBI	120/208/220/ 230/240/250 Vac, 50/60Hz	100	-50 To 40	T4	75	10
MBI	120/208/220/ 230/240/250 Vac, 50/60Hz	100	-50 To 60	T4	90	10
MBI	120/208/220/ 230/240/254 Vac, 50/60Hz	150	-50 To 40	T4	75	10
MBI	120/208/220/ 230/240/254 Vac, 50/60Hz	150	-50 To 55	T3	90	10
MBI	208/220/230/ 240Vac, 50/60Hz	250	-50 To 45	T3	90	10
QL	120/220-240 Vac/Vdc, 50/60Hz	55	-50 To 55	T5	75	10
QL	120/220-240	85	-50 To 55	T5	75	10



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	Vac/Vdc, 50/60Hz					
QL	120/220-240	165	-50 To 40	T5	75	10
	Vac/Vdc, 50/60Hz					

Note: Luminaire may alternatively be marked with -20°C or -45°C minimum ambient temperature.

APPLICABLE REQUIREMENTS

CSA Standard C22.2 No. 0-10 II	-	General Requirements - Canadian Electrical Code Part
CAN/CSA C22.2 No. 60079-0: 07	-	Electrical Apparatus for Explosive Gas Atmospheres – Part 0: General Requirements
CAN/CSA C22.2 No. 60079-1: 07	-	Electrical Apparatus for Explosive Gas Atmospheres – Part 1: Flameproof Enclosures “d”
CAN/CSA C22.2 No. 60079-7: 12	-	Explosive Atmospheres – Part 7: Equipment Protection by Increased Safety “e”
CSA C22.2 No. 250.0-08 (R2013)	-	Luminaires
CAN/CSA C22.2 No. 60529: 05 Edition	-	Degrees of protection provided by enclosures (IP Code) - First Edition

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 following markings are applied on a stainless steel nameplate that is riveted to the front face of the terminal compartment cover:

- (a) Submittor's name, trademark, or the CSA Master Contract No.



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- (b) The model designation “238 Wellglass”.
- (c) Serial number and/or date code, traceable to the month and year (at least) of manufacture.
- (d) Electrical ratings (Volts, Amperes).
- (e) Lamp type (including cap size) and wattage.
- (f) Hazardous location designation.
- (g) Temperature Code.
- (h) Ambient temperature range.
- (i) Supply wire minimum temperature rating or the supply wire temperature rise above ambient temperature.
- (j) IP66.
- (k) SUITABLE FOR WET LOCATIONS.
- (l) Warning statement “AFTER DE-ENERGISING, DELAY 10 MINUTES BEFORE OPENING” and French translation “AVERTISSEMENT: Après la mise hors tension. délai de 10 minutes avant l'ouverture.” or alternate Warning statement “DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT” and French translation “NE PAS OUVRIR UN présence d'atmosphère explosive”.
- (m) CSA Mark.



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
2683406	May 15, 2014	Certification for hazardous locations of Type 238 Wellglass Luminaire as Ex d e IIB Gb. This Report/Certificate supersedes previously issued Report/Certificate 1358955 for "238" Wellglass Luminaire.