



# Certificate of Compliance

**Certificate:** 2686102

**Master Contract:** 201067

**Project:** 2686102

**Date Issued:** May 23, 2014

**Issued to:** **Chalmit 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**

1. Ex e ib m IIC Gb; T4; Tamb = -20°C to +55°C; IP66/67. Suitable for Wet Locations.

Nexled Emergency Luminaire. Ratings are as specified in Table 1 below.

Notes:

- i. Luminaires fitted with battery heater are certified for minimum ambient temperature of -45°C. The catalogue designation of such luminaires is followed by the suffix "/LT" denoting low temperature use.
- ii. Wiring methods to the luminaire must be in accordance Section 18 of the Canadian Electrical Code, Part I (CSA C22.1). Gable glands and blanking plugs installed with the luminaire must be CSA certified as Ex e II and must provide a minimum ingress protection rating of IP66/67 when installed.

2. Ex e m IIC Gb; T4; Tamb = -45°C to +55°C; IP66/67. Suitable for Wet Locations.

Nexled Non-Emergency Luminaire. Ratings are as specified in Table 2 below.

Notes:



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i. Wiring methods to the luminaire must be in accordance Section 18 of the Canadian Electrical Code, Part I (CSA C22.1). Gable glands and blanking plugs used must be CSA certified as Ex e II and must provide a minimum ingress protection rating of IP66/67 when installed.

Table 1:

Nexled Emergency Luminaire	Mains Input Voltage	Mains Input Current (A) and Power (W)
8 x 1W LED Construction, Operation without Heater	110-254 Vac/Vdc 50/60Hz	- At 110 Vac/Vdc: 120 mA, 15W - At 254 Vac/Vdc: 80 mA, 15W
8 x 1W LED Construction, Operation with Heater	110-254 Vac/Vdc 50/60Hz	- At 110 Vac/Vdc: 250 mA, 25W - At 254 Vac/Vdc: 120 mA, 25W
2 x 1W LED Construction, Operation without Heater	110-254 Vac/Vdc 50/60Hz	- At 110 Vac/Vdc: 52 mA, 6W - At 254 Vac/Vdc: 51 mA, 7W
2 x 1W LED Construction, Operation with Heater	110-254 Vac/Vdc 50/60Hz	- At 110 Vac/Vdc: 127 mA, 15W - At 254 Vac/Vdc: 82 mA, 15W

Table 2:

Nexled Non-Emergency Luminaire	Mains Input Voltage	Mains Input Current (A) and Power (W)
8 x 1W LED Construction	110-254 Vac/Vdc 50/60Hz	- At 110 Vac/Vdc: 120 mA, 15W - At 254 Vac/Vdc: 80 mA, 15W
2 x 1W LED Construction	110-254 Vac/Vdc 50/60Hz	- At 110 Vac/Vdc: 52 mA, 6W - At 254 Vac/Vdc: 51 mA, 7W

**APPLICABLE REQUIREMENTS**

- CSA C22.2 No. 0-2010 - General Requirements - Canadian Electrical Code Part II.
- CAN/CSA C22.2 No. 60079-0: 11 - Explosive atmospheres — Part 0: Equipment — General requirements



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- CAN/CSA C22.2 No. 60079-7: 12 - Explosive Atmospheres – Part 7: Equipment Protection by Increased Safety “e”
- CAN/CSA C22.2 No. 60079-11: 11 - Explosive Atmospheres — Part 11: Equipment Protection by Intrinsic Safety “i”
- CAN/CSA C22.2 No. 60079-18: 12 - Explosive atmospheres — Part 18: Equipment protection by encapsulation “m”
- CSA C22.2 No. 250.0-08 (R2013) - Luminaires
- CAN/CSA C22.2 No. 250.13-12 - Light Emitting Diode (LED) Equipment For Lighting Applications
- CSA C22.2 No. 141-10 - Emergency Lighting Equipment
- CAN/CSA C22.2 No. 60529: 05 - 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 self adhesive nameplate that is attached to the main body of the luminaire:

- (a) Submitter's name, trademark, or the CSA Master Contract No.
- (b) The model designation “Nexled” or “Nexled Emergency”.
- (c) Serial number and/or date code, traceable to the month and year (at least) of manufacture.
- (d) LED Array Type: “LED 8 x 1W” or “LED 2 x 1W”.
- (e) Electrical ratings (Volts, Amperes, Watts).



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- (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) IP66/67.
- (k) The phrase “SUITABLE FOR WET LOCATIONS”.
- (l) Warning statement “WARNING: DO NOT OPEN WHEN ENERGIZED” and the French translation “ATTENTION: NE PAS OUVRIR SOUS TENSION”.
- (m) CSA Mark.

**Method of Marking:** The markings are laser etched on the adhesive nameplate and are visible after installation.



## *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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
2686102	May 23, 2014	Certification of Nexled Emergency and Nexled Non-Emergency luminaires for hazardous location as Ex e ib m IIC Gb (for Nexled Emergency) and Ex e m IIC Gb (for Nexled Non-Emergency).