



# Certificate of Compliance

**Certificate:** 70011905

**Master Contract:** 240700

**Project:** 70011905

**Date Issued:** February 09, 2015

**Issued to:** Cooper Crouse Hinds GmbH  
Neuer Weg Nord 49  
69412 Eberbach  
Germany  
**Attention:** Mr Guenther

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



**Issued by:** E Giusti  
E Giusti

## PRODUCTS

**Class No: 3428 03 FIXTURES AND FITTINGS - For Hazardous Locations**

**Class No: 3428 83 FIXTURES AND FITTINGS - For Hazardous Locations-Certified to U.S. Standards**

**Ex de mb IIC T4 Gb ;**

**Class II, Division 1, Groups E, F and G.**

**Class I, Zone 1, AEx de mb IIC T4 Gb ;**

**Ex tb IIIC T80°C Db; Zone 21, AEx tb IIIC T80° Db**

Fluorescent Luminaires models : eLLK 92 LED 400, eLLK 92 LED 800 ; Type 4X, IP 66

Ambient temperature ranges of -25°C ... +45°C.

Luminaires are rated 110-254V AC, 50-60 Hz or 110-250V DC. Luminaires are equipped with ballast type:

- EVG09 218 for model eLLK 92 LED 400
- EVG09 236 for model eLLK 92 LED 800

**Ex de mb ib IIC T4 Gb ;**

**Class II, Division 1, Groups E, F and G.**

**Class I, Zone 1, AEx de mb ib IIC T4 Gb ;**

**Ex tb IIIC T80°C Db; Zone 21, AEx tb IIIC T80°C Db**

Fluorescent Luminaires models eLLK 92 LED 400 NIB, eLLK 92 LED 800 NIB; Type 4X, IP 66.



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Luminaires are rated 220-254V AC or 110-127V AC, 50-60Hz. Luminaires are equipped with ballast type:

- VE/EVG05 218(-1) for model eLLK 92 LED 400 NIB
- EVG09 236 for model eLLK 92 LED 800 NIB

Ambient temperature ranges of -25°C ... +45°C.

**Ex nA nC de IIC T4 Gc ;**

**Class II, Division 2, Groups E, F and G.**

**Class I, Zone 2, AEx nA nC de IIC T4 Gc ;**

**Ex tc IIIC T80°C Dc; Zone 22, AEx tc IIIC T80°C Dc**

Fluorescent Luminaire models:

- model nLLK 13 2214 / UNV, 14W lamp, Type 4X, IP66 ,
- model nLLK 13 4228 / UNV, 28W lamp, Type 4X, IP66 and
- model nLLK 13 5235 / UNV, 35W lamp, Type 4X, IP66.

Luminaires are rated 120-277 V AC, 50-60Hz. Luminaires are equipped with ballast type:

- EVG09 T5 HE for model nLLK 13 xxxx /UNV

Ambient temperature ranges of -25°C ... +50°C for nLLK 13 2214/UNV and nLLK 13 4228/UNV  
-25°C ... +40°C for nLLK 13 5235/UNV

### APPLICABLE REQUIREMENTS

CAN/CSA-E60598-1:12	Luminaires – Part 1: General requirements and tests
CAN/CSA-C22.2 No. 250:08	Luminaires
CAN/CSA-C22.2 No. 60079-0:11	Electrical apparatus for explosive gas atmospheres – Part 0: General requirements
CAN/CSA-C22.2 No. 60079-1:11	Electrical apparatus for explosive gas atmospheres – Part 1: Flameproof enclosures "d"
CAN/CSA-C22.2 No. 60079-7:12	Electrical apparatus for explosive gas atmospheres – Part 7: Increased safety "e"
CAN/CSA-C22.2 No. 60079-18:12	Electrical apparatus for explosive gas atmospheres – Part 18: Encapsulation "m"
CAN/CSA-C22.2 No. 60079-31:12	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
CAN/CSA-C22.2 No. 60529:05(10)	Degrees of protection provided by enclosures (IP Code)
CAN/CSA-C22.2 No.94-M91(R2011)	Enclosure for Electrical equipment, Environmental conditions
CAN/CSA-C22.2 No. 137:95 (M1981)	Luminaires for Use in Hazardous (Classified) Locations
UL 1598:08	Luminaires
UL 844 :12	Luminaires for Use in Hazardous (Classified) Locations
ANSI/ISA 60079-0: Ed.6	Electrical apparatus for explosive gas atmospheres – Part 0: General requirements
ANSI/ISA 60079-1: Ed.6	Electrical apparatus for explosive gas atmospheres – Part 1: Flameproof enclosures "d"





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ANSI/ISA 60079-7: Ed.4 Electrical apparatus for explosive gas atmospheres – Part 7: Increased safety "e"  
ANSI/ISA 60079-18: Ed.3 Electrical apparatus for explosive gas atmospheres – Part 18: Encapsulation "m"  
ANSI/ISA 60079-31:13 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
UL 50:03 Enclosures for Electrical Equipment, Non-Environmental Considerations

**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.

For eLLx luminaires

Method of marking is printed adhesive label (materials description see 32260000155 pz, 32260000157 pz, 32261000155 pz, 32261000157 pz ,32265000155 pz and 32266000155 pz), accepted UL-File No. MH 17 657 for USA and Canada.

- 1- CSA Master contract or Manufacturer’s name or trademark;
- 2- Catalog number / model, lamp Type.

Wattage	Lamp Type	Operating current [A]
2x13 W	LED	0.32 A
2x26 W	LED	0.32 A

- 3- Electrical ratings, IP rating IP66
- 4- Hazardous locations protection method: for example Ex de mb IIC and AEx de mb IIC
- 5- CSA certificate number “CSA 14.70011905”
- 6- Ambient temperature range: -25°C +45
- 7- Temperature code: 135°C (T4).
- 8- WARNING: Do not use chemical cleaners. Clean only with a damp cloth. Attention: N’utilisez pas de produits chimiques pour nettoyer le luminaire
- 9- WARNING: Use supply wire rated 75°C.
- 10- WARNING: To reduce the risk of explosion disconnect the fixture from the supply circuit before opening.



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For nLLK luminaires

Method of marking is printed adhesive label (materials description see 33467235250 Pz, 33467228250 Pz and 33467214250 Pz) accepted UL-File No. MH 17 657 for USA and Canada

- 1- CSA Master contract or Manufacturer's name or trademark;
- 2- Catalog number / model, lamp Type.

Wattage	Lamp Type	Operating current [A]
14 W	T5	0.165 A
28 W	T5	0.165 A
35 W	T5	0.165 A

- 3- Electrical ratings, IP rating IP66
- 4- Hazardous locations protection method: for example Ex nA nC d e IIC Gc and Class I, Zone 2, AEx nA nC d e IIC Gc
- 5- CSA certificate number "CSA 14. 70011905"
- 6- Ambient temperature range: -25°C +40°C or +50°C
- 7- Temperature code: 135°C (T4).
- 8- WARNING: Do not use chemical cleaners. Clean only with a damp cloth. Attention: N'utilisez pas de produits chimiques pour nettoyer le luminaire
- 9- WARNING: Use supply wire rated 75°C.

Note - Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the "Markings".



## *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>
70011905	February 09, 2015	Original Certification.