

# **UK-TYPE EXAMINATION**

# **CERTIFICATE**

Product or Protective Systems Intended for Use in Potentially Explosive Atmospheres

UKSI 2016:1107 (as amended) - Schedule 3A, Part 1

1. UK-Type Examination Certificate Number: ITS21UKEX0093X Issue 00

**2. Product:** BA390 LED Cluster Lamp

3. Manufacturer: BEKA Associates Ltd

4. Address: Old Charlton Road, Hitchin, Herts, SG5 2DA, United Kingdom

- **5.** This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 6. Intertek Testing and Certification Limited, Approved Body number 0359, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential report G101230529 dated July 2013 and G103529686LHD-001 Issue 1, dated May 2018.

- 7. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2012+A11:2013 and EN 60079-11:2012 except in respect of those requirements referred to within item 14 of the Schedule.
- **8.** If the sign "X" is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.
- 9. This UK-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- **10.** The marking of the product shall include the following:

II 1 G Ex ia IIC T4 Ga

II 1 D Ex ia IIIC T135°C Da  $-20^{\circ}\text{C} \le \text{Ta} \le +60^{\circ}\text{C}$ 

Certification Officer:	Chiloriak	Date:	2 <sup>nd</sup> July 2021	
	M Newman			

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. This Certificate is accredited under UKAS schedule 0010 Intertek Testing & Certification Limited, Cleeve Road, Leatherhead, Surrey, KT22 75A



## **SCHEDULE:**

UK-Type Examination Certificate Number: ITS21UKEX0093X Issue 00

### 11. Description of Product or Protective System

BA390 LED Cluster Lamp is a panel mounting equipment which may be clear or different colours.

The equipment comprised two printed circuit boards housed within a plastic enclosure, external connections are made via an integral terminal block. The enclosure provides a degree of protection

IP20.

The certificate covers LED Cluster Lamps as follows:

Model No.	Alternate Model No.	Alternate Model No.	Lamp Colour
	1	2	
BA390 R	LED-Ex1.R	VSI R	Red Lamp
BA390 G	LED-Ex1.G	VSIV	Green Lamp
BA390 A	LED-Ex1.A	VSIJ	Amber Lamp
BA390 B	LED-Ex1.B	VSIBL	Blue Lamp
BA390 W	LED-Ex1.W	VSIBN	White Lamp
BA390 S	LED-Ex1.S	VSIS	Special Colour Lamp

For any alternative build a further suffix will be added to identify the equipment build, e.g. BA390 RS1 indicates a Red Lamp and 'Sx' the alternative build.

The intrinsically safe input parameters are:

**Explosive Gas Atmosphere Ratings:** 

 $U_{i} = 30 \text{ V}$ 

 $I_i = 159 \text{ mA}$ 

 $P_i = 1.2 \text{ W}$ 

 $C_i = 0$ 

 $L_i = 0$ 

**Explosive Dust Atmosphere Ratings:** 

 $U_{i} = 30 \text{ V}$ 

 $I_i = 159 \text{ mA}$ 

 $P_{i} = 683 \text{ mW}$ 

 $C_i = 0$ 

 $L_i = 0$ 

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#### 12. Report Number

Intertek Report: G101230529 dated July 2013 and G103529686LHD-001 Issue 1, dated May 2018.

#### 13. Special Conditions of Certification

- (a). Special Conditions of Use
  - The external parts of the equipment are made of non-metallic materials which may represent an electrostatic charging hazard. The user shall refer to the manufacturer's instructions to ensure that electrostatic charging is avoided.
- (b). Conditions of Manufacture
  - No Conditions of Manufacture

#### 14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 104629389CHE-016, dated 21<sup>st</sup> June 2021.

## 15. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
IECEx Certification Information for BA390 LED Cluster Lamp (6 sheets)	CI390-01-IEC	3	May 18
UKCA Certifiaton Information for BA390 LED Cluster Lamp (2 Sheets)	CI390-01-UKCA	1	May 21

Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.