



EC-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC

EC-Type Examination Certificate Number : **BAS01ATEX1062X**

Equipment or Protective System: **A SERIES OF LED CLUSTER LAMPS**

Manufacturer: **BEKA ASSOCIATES**

Address: **Hitchin, Herts, SG5 2DA**

This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

The Electrical Equipment Certification Service, notified body number 600 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report N°

00(C)1059 dated 16 July 2001

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014: 1997 + Amds 1 & 2 **EN 50020: 1994** **EN 50284: 1999**
except in respect of those requirements listed at item 18 of the Schedule.

If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.

The marking of the equipment or protective system shall include the following:-

 **II 1 G** **EEx ia IIC T4**

This certificate may only be reproduced in its entirety and without any change, schedule included.

File No: **EECS 0121/02/019**

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



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I M CLEARE
DIRECTOR
1 August 2001



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Description of Equipment or Protective System

The Series of LED Cluster Lamps are panel mounting units which may be clear or different colours.

The apparatus comprises two printed circuit boards housed in a plastic enclosure, external connections are made via an integral terminal block.

This certificate covers LED Cluster Lamps as follows:

<u>Model No.</u>	<u>Alternative Model Nos.</u>	<u>Lamp Colour</u>
BA390 R	LED-Ex1.R or VS1 R	Red
BA390 G	LED-Ex1.G or VS1 V	Green
BA390 A	LED-Ex1.A or VS1 J	Amber
BA390 B	LED-Ex1.B or VS1 BL	Blue
BA390 W	LED-Ex1.W or VS1 BN	White
BA390 S	LED-Ex1.S or VS1 S	Special Colour

The Model No. may be suffixed by S* which denotes alternative build levels.

$U_i = 30V$
 $P_i = 1.3W$ or $1.2W$ for a T_{amb} of $60^\circ C$
 $C_i = 0$
 $L_i = 0$

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Special Conditions For Safe Use

The lens has a conductive coating, clean with soap and water, do not use abrasives, avoid inappropriate contact with solvents.

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Essential Health and Safety Requirements

ESSENTIAL HEALTH & SAFETY REQUIREMENTS not covered by Standards listed at (9)		
Clause	Subject	Compliance
1.1.3	Changes in characteristics of materials and combinations thereof	Report 00(C)1059 Clause 6.1.1.3
1.2.2	Components for incorporation or replacement	Report 00(C)1059 Clause 6.1.2.2
1.2.5	Additional means of protection	Report 00(C)1059 Clause 6.1.2.5
1.2.7	Protection against other hazards	Report 00(C)1059 Clause 6.1.2.7
1.4.2	Withstanding attack by aggressive substances	Report 00(C)1059 Clause 6.1.4.2



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19 **DRAWINGS**

Number	Issue	Date	Description
CI390-01 Sheet 1	6	March 01	Contents Sheet
CI390-01 Sheet 2	6	March 01	Modification Record
CI390-01 Sheet 3	6	March 01	Theoretical Circuit
CI390-01 Sheet 4	6	March 01	Electronic Components List
CI390-01 Sheet 5	6	March 01	Mechanical Construction
CI390-01 Sheet 6	6	March 01	Label Details

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BASEEFA List Keywords
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