

The **BA386S LED steady state beacon** is an intrinsically safe field mounting beacon which produces a bright continuous output in a hazardous area. Models with five different colour outputs are available.

**Main application** of the BA386S beacon is to provide a visible indication in a noisy hazardous process area where a sounder is not easily identified. The continuous output is particularly useful for status indication. The beacon may be powered from a wide variety of Zener barriers or galvanic isolators and may be controlled by any contact or switchable dc supply in the safe area. The BA386S beacon may also be switched *on* and *off* in the hazardous area by an intrinsically safe relay or any equipment with an intrinsically safe output such as the alarm output of a BEKA indicator or totaliser.

Providing a small reduction in brilliance can be tolerated, two BA386S steady state beacons can be powered in parallel from one common Zener barrier or galvanic isolator. Each beacon can be independently controlled by a separate hazardous area switch, or from the safe area via a diode return barrier.

**International certification** permits installation in Zones 0, 1 or 2. For applications in the USA, the BA386S also has FM intrinsic safety and nonincendive approval.

**The flame retardant enclosure** provides IP66 protection and is suitable for external mounting in sheltered locations. Cable entry is via two 20mm untapped holes in the opposite sides of the enclosure and there is a 'knock-out' in the rear for an additional entry.

**Reliability is ensured** by an ISO9001 approved quality control system supported by a three year guarantee. The BA386S is protected from input overloads and reverse connection and complies with the European EMC Directive.

**A complementary intrinsically safe flashing beacon** is also available. This has five different colour output options and can be used in conjunction with a BR385 sounder to form a combined audio & visual alarm system. See BR385 and BA386 datasheets.

**Note** the BA386S can not power a BR385 sounder.

# BA386S

## LED Steady state beacon

*Intrinsically safe for use in all hazardous gas areas*

- ◆ Intrinsically safe
- ◆ Red, amber, green blue & white models.
- ◆ 2 beacons can be powered by 1 barrier or isolator.
- ◆ IP66 enclosure
- ◆ 3 year guarantee

[www.beka.co.uk/ba386s](http://www.beka.co.uk/ba386s)



# BEKA

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## SPECIFICATION

### Power supply

Voltage 10 to 28V  
(across terminals 1 & 2)  
Not damaged by temporary connection to the supply without a Zener barrier or galvanic isolator in circuit.

Current When powered from 24V supply via 28V 93mA Zener barrier.  
25mA typical

### Output

Brightness Equivalent to 0.5 Joule xenon beacon

### Intrinsic safety

#### International IECEx

Code Ex ia op is IIC T4 Ga  
-40°C ≤ Ta ≤ 60°C  
Cert. No. [IECEx ITS 17.0052X](#)

#### Europe ATEX & UKEX

Code Group II Category 1G  
Ex ia op is IIC T4 Ga  
-40°C ≤ Ta ≤ 60°C  
Cert. No. [ITS02ATEX2006X](#) & [ITS21UKEX0077X](#)

#### USA FM

Standard 3610 Entity  
Code CL.1, Div. 1, Gp. A, B, C and D  
CL 1, Zone 0, AEx ia IIC T4  
Temperature code T4 at 60°C  
File No [3014996](#)

Standard 3611 Nonincendive.  
Code CL.1, Div. 2, Gp. A, B, C and D  
CL 1, Zone 2, IIC T4  
Temperature code T4 at 60°C  
File No [3014996](#)

#### India CCOE/PESO

As ATEX - [see certificate](#)

### Installation

May be powered from any certified Zener barrier or galvanic isolator whose output parameters do not exceed:

U<sub>o</sub> 28Vdc  
I<sub>o</sub> 110mA  
P<sub>o</sub> 0.8W

Location Zone 0, 1 or 2

### Environmental

Operating temp -20 to 60°C (certified for use at -40°C)  
Storage temp -40 to 85°C  
Humidity To 95% @ 40°C  
Enclosure IP66  
EMC Complies with EU & UK EMC Directives

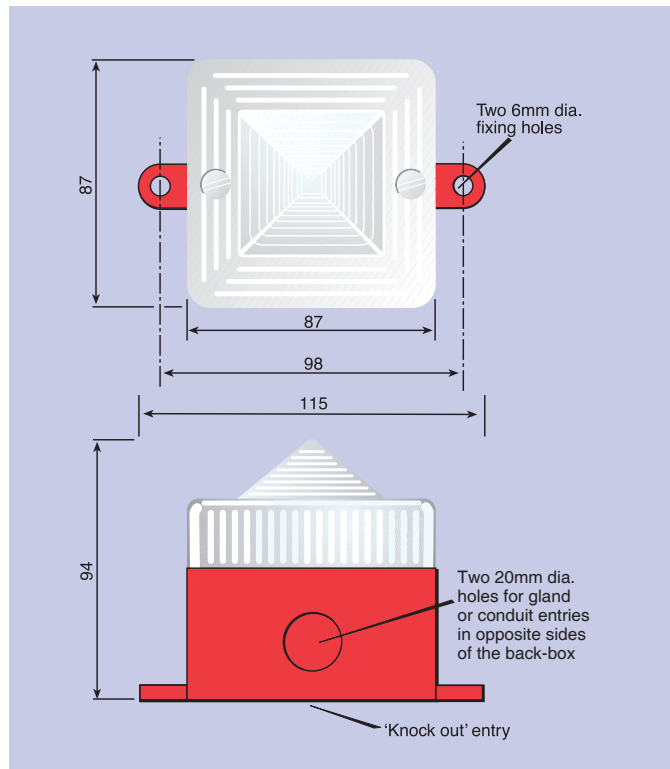
### Mechanical

Terminals Removable with screw clamp for 0.5 to 1.5mm<sup>2</sup> cable.  
Weight 0.4kg

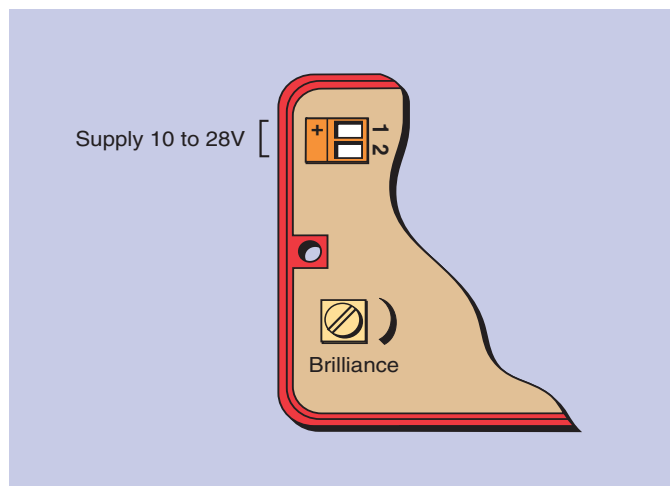
### Accessories

Tag strip Thermally printed tag strip secured by screws.

## DIMENSIONS (mm)



## TERMINAL CONNECTIONS



## HOW TO ORDER

Colour  
Red  
Amber  
Green  
Blue  
White

### Please specify

Model number  
BA386SR  
BA386SA  
BA386SG  
BA386SB  
BA386SW

### Accessories

Tag strip

### Please specify if required

Legend