

Ex d, Weatherproof



Features

- Zone 1 and Zone 2 use.
- Ex d IIC T5/T6.
- ATEX approved, Ex II 2G.
- IECEx certified Gb.
- BASEEFA certified.
- CUTR certified.
- Chinese (CQST) certified.
- Brazilian (Inmetro) certified.
- IP66 and IP67.
- Certified Temperature: -55°C to $+55^{\circ}\text{C}$.
- Corrosion Free GRP.
- Various lens colours.
- Lens guard fitted as standard.
- Optional gland plus cable tail.
- Stainless steel mounting bracket & screws.
- Replaceable tube.

Introduction

These compact and lightweight beacons have been designed for use in potentially explosive atmospheres and harsh environmental conditions. The beacon housing, including the flamepaths, is manufactured completely from a UV stable glass reinforced polyester which is ideally suited for use offshore and onshore.

Stainless Steel screws and mounting bracket are incorporated ensuring a totally corrosion free unit.

Units can be painted to customer specification and supplied with identification labels.



Certification and Specification

ATEX Ex d:	Cert. no. Baseefa 04ATEX2031. Certified to: EN60079-0, EN60079-1. Ex II 2G, Ex d IIC T5/T6 Gb.
IECEX Ex d:	Cert. no. IECEX BAS 10.0113. Certified to: IEC60079-0, IEC60079-1. Ex d IIC T5/T6 Gb.
CUTR Ex d:	1Ex d IIC T5/T6 Gb.
Inmetro Ex d:	Ex d IIC T5/T6 Gb.
CQST Ex d:	Ex d IIC T5/T6 Gb.
Material:	Body & Cover: Glass Reinforced Polyester (GRP). Lens: Toughened Glass. Cover Screws & Bracket: Stainless Steel 316.
Finish:	Natural black or painted to customer specification.
Weight:	1.6kg.
Certified Temp:	-55°C to +40°C (T6). -55°C to +55°C (T5).
Ingress Protection:	IP66 & IP67.
Fire Retardancy:	GRP is fire retardant to ISO 1210.
Terminals:	3 x 2.5mm ² .
Mounting:	Wall mounted via bracket.
Entries:	1 x M20 or PG 13.5.
Optional:	1 x 3m cable tail and gland.
Tube Life:	> 1x10 ⁶ flashes

Electrical Ratings:

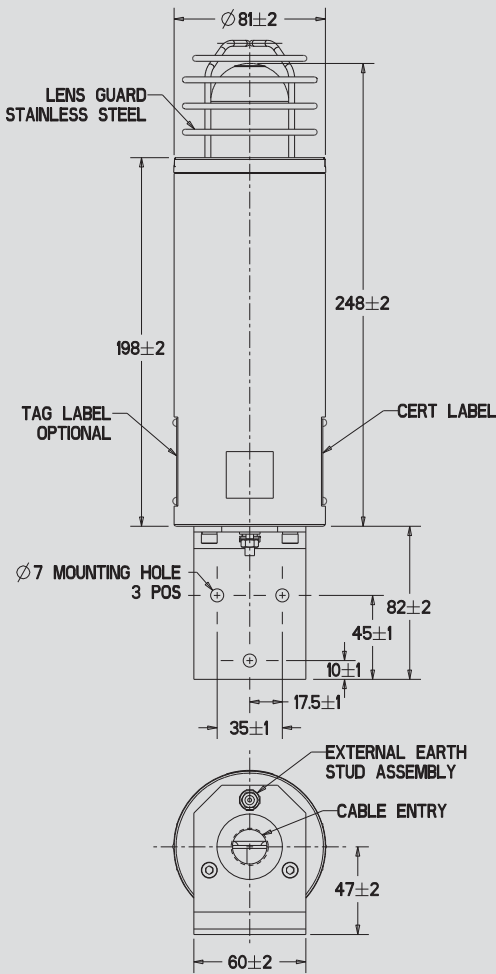
	d.c.			a.c.	
Voltage	12	24	48	110	240/254
Tube Energy (J)	5	5	5	5	5
Peak Current Consumption (A)	0.74	0.32	0.18	0.1	0.06
Effective Intensity (Cd)	29	29	29	29	29
Peak Intensity (Cd)	22213	22213	22213	22213	22213
Power Consumption (W)	9	8	9	11	15

Note: The above figures (Cd) are for a clear lens @ 1Hz flash rate.

Multiplying Factor for Coloured Lenses:

Red	Blue	Amber	Green	Yellow
0.15	0.12	0.51	0.49	0.86

The photometric data has been verified by BSI. A report is available if required.



ALL DIMENSIONS IN MILLIMETRES

Ordering Requirements

The following code is designed to help in selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box.

Model	Certification	Voltage	Flashrate	Lens Colour	Lens Guard	Tag / Duty	Entries / Cable Tail	Finish																																																																													
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All specifications, dimensions, weights and tolerances are nominal (typical) and MEDC reserve the right to vary all data without prior notice. No liability is accepted for any consequence of use.



6DS098/Q 01/14