

TH12 rotating beacon range

Ex d, weatherproof



Overview

These certified rotating beacons have been designed for use in potentially explosive atmospheres and harsh environmental conditions. The enclosures are suitable for use offshore or onshore, where lightweight combined with corrosion resistance is required. The housing is manufactured completely from a UV stable, glass reinforced polyester. Stainless steel screws and mounting bracket are available ensuring a totally corrosion free product. Units can be painted to customer specification and supplied with identification labels.

Features

- Zone 1 and Zone 2 use
 - Exd, IIB T3 and T4
 - ATEX approved, Ex II 2G
 - BASEEFA certified
 - IECEx certified Gb
 - TR CU certified
 - INMETRO certified
 - IP66 and IP67
 - Certified temperature: -55°C to +70°C
 - 55W and 70W tungsten halogen bulb*
 - Various rotating speeds available
 - Corrosion resistant GRP
 - Optional stainless steel backstrap
 - Various lens colours
 - Optional lens guard
- * Voltage dependent



Certifications

ATEX Ex d	Cert. no. BAS99ATEX2196 Certified to: EN60079-0, EN60079-1 Ex II 2G, Ex d IIB T3/T4 Gb
IECEX Ex d	Cert. no. IECEX BAS 10.0094 Certified to: IEC60079-0, IEC60079-1 Ex d IIB T3/T4 Gb
TR CU Ex d	1Ex d IIB T3/T4 Gb
INMETRO Ex d	Ex d IIB T3/T4 Gb

Specifications

Material	Body: glass reinforced polyester (GRP) Lens: glass Cover screws and backstrap: stainless steel 316
Finish	Natural black or painted to customer specification
Bulb Life	We do not recommend the continuous use of the TH12 for over 3 hours as this could adversely affect its life
Bulb Type	70 Watt H1 tungsten halogen bulb (24V) 55 Watt H1 tungsten halogen bulb (12V)
Certified temp	-55°C to +70°C (T3) -55°C to +55°C (T4)
Operating temp	-20°C to +70°C
Weight	7.6kg
Ingress protection	IP66 & IP67
Entries	2 x M20
Terminals	6 x 6.0mm ²
Labels	Tag/duty label option

Wattage	55W	70W	70W	70W
Voltage	12Vdc	24Vdc	110Vac	240Vac
Peak current	4.85A	2.92A	0.64A	0.34A

Rotational speed (r.p.m.)	60	120	180
Effective intensity (Cd)	3354	1957	895
Peak intensity (Cd)	11164	11164	11164

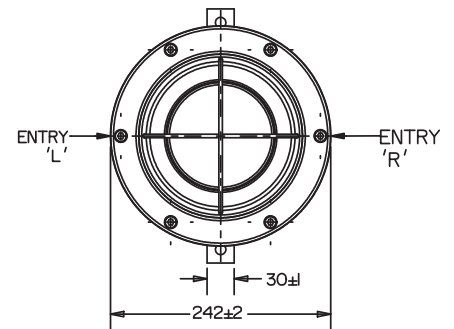
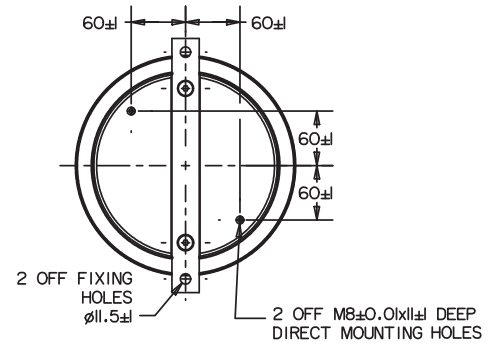
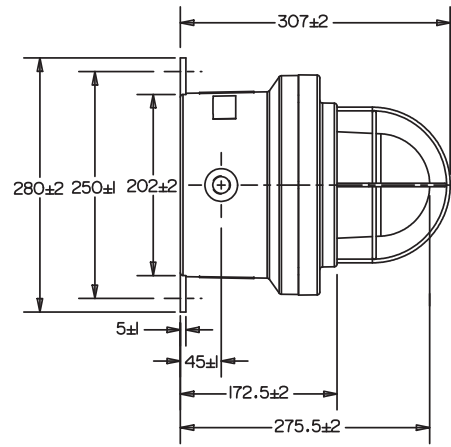
Note: The above figures (Cd) are for a 70W lamp with clear lens
Rotational speed may vary by ±20% of the stated r.p.m

Multiplying factor for coloured lenses:

Red	Blue	Amber	Green	Yellow
0.12	0.11	0.29	0.22	0.74

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

General arrangement drawing (all dimensions in mm)



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

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