

## TH12 Rotating Beacon - EExd, Weatherproof



### Introduction

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 light weight combined with corrosion resistance is required.

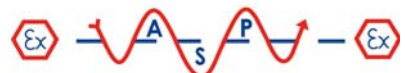
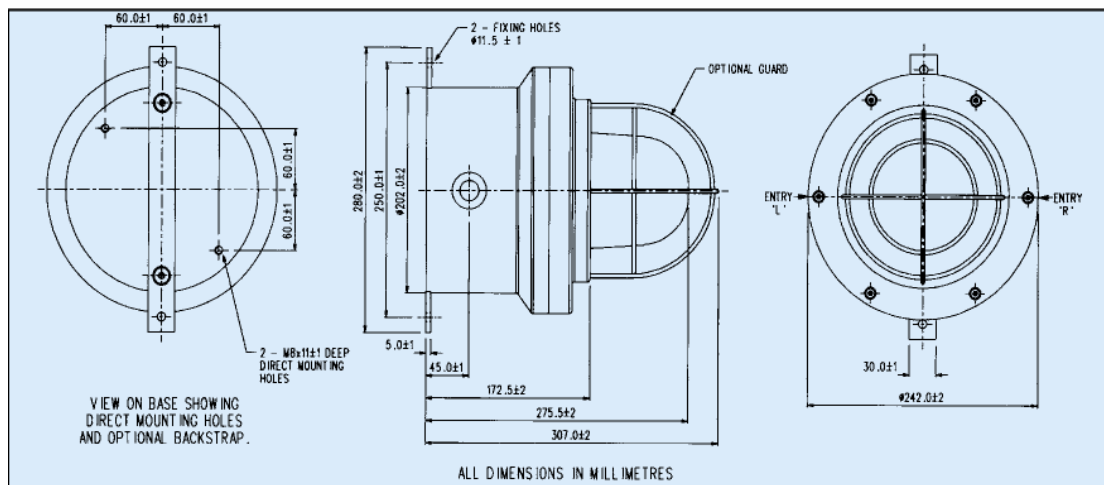
The housing is manufactured completely from a U.V. stable, glass reinforced polyester. Stainless steel screws and mounting bracket are available ensuring a totally corrosion free product.

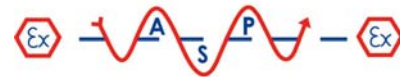
Units can be painted to customer specification and supplied with identification labels.

- Zone 1 and Zone 2 use.
- EExd, IIB T4 and T5.
- ATEX approved, Ex II 2G.
- BASEEFA Certified.
- IP66 and IP67.
- Certified temperature  $-55^{\circ}\text{C}$  to  $70^{\circ}\text{C}$
- 55W and 70W tungsten halogen

- Various rotating speeds available.
- Corrosion resistant GRP.
- Optional stainless steel backstrap.
- Various lens colours.
- Optional lens guard.

*\*Voltage dependent.*





## Specification

Certification:	CENELEC 50015, 50018, 50019.
Certification No.	BAS99ATEX2196. EExd IIB T4 & T5.
Material:	Body: – Glass reinforced polyester (GRP). Lens: – Glass Cover screws and backstrap: – stainless steel 316.
Finish:	Natural black or painted to customer specification.
Weight:	7.6kg.
Certified Temperature:	–55°C to +70°C (T4), –55°C to +40°C (T5).
Ingress Protection:	IP66 & IP67.
Fire Retardancy:	GRP is fire retardant to ISO 1210.
Earth Continuity:	Optional for metal glands provided via a brass plate.
Terminals:	6 x 6.0mm <sup>2</sup> .
Labels:	Tag/duty label option.
Entries:	2 x M20 ISO.
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).

Wattage	55W	70W	70W	70W
Voltage	12 d.c.	24 d.c.	110 a.c.	240 a.c.
Peak Current	4.85A	2.92A	0.64A	0.29A

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.

For coloured lenses

Colour	Red	Blue	Amber	Green	Yellow
Multiplying Factor	0.15	0.12	0.51	0.49	0.86

The photometric data has been verified by BSI, a report of which is available if required.

## Ordering Requirements

The following code is designed to help in the selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box. **For standard products, available ex-stock, contact sales office for details.**

Model	Speed	Voltage	Lens Colour	Lens Guard	Unit Fixing	Options	Unit Finish
<b>TH12</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Speed	Code	Colour	Code	Guard	Code	Label	Code
60 r.p.m.	A	Red	R	None	N	Tag Label	T*
120 r.p.m.	B	Blue	B	Yes	Y	Duty Label	D*
180 r.p.m.*	C	Green	G			Earth Continuity	E
*Not available 110V a.c.		Amber	A			None	N
		Yellow	Y			*Please specify wording	
		Clear	C				
		Voltage	Code	Unit Fixing	Code	Finish	Code
		12V d.c.*	012	Direct Mounting	D	Natural Black	N
		24V d.c.†	024	Backstrap	B	Red	R
		110V a.c.†	110			Blue	B
		240V a.c.†	240			Yellow	Y
		*55W only available 12V d.c.				Grey	G
		†70W only available 24V d.c.,				White	W
		110V a.c. & 240V a.c.				Special Finish	S

Supplied by:

**A.S.P. Electro-Technology Ltd**  
Specialist Suppliers of Hazardous Area Certified  
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