Crouse-Hinds

Ex d, 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 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.
- CUTR 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.



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Certification and Specification

Ingress Protection: Entries: Terminals: Labels: Wattage	55° 7.6kg IP66 2 x N 6 x 6	C to +70°C (T3 C to +55°C (T4 J. & IP67. 120 ISO. .0mm ² . Duty label option 55W),).	70W	70W
Entries: Terminals:	55° 7.6kg IP66 2 x N 6 x 6	C to +55°C (T4 g. & IP67. 120 ISO. .0mm ² .),).	· · · · · ·	
Entries: Terminals:	55° 7.6kg IP66 2 x N 6 x 6	C to +55°C (T4 g. & IP67. 120 ISO. .0mm ² .),).	· · · · ·	
Entries:	-55° 7.6kg IP66 2 x N	C to +55°C (T4 g. & IP67. 120 ISO.),		
	–55° 7.6kg IP66	C to +55°C (T4 g. & IP67.),		
Ingress Protection:	–55° 7.6k	C to +55°C (T4 g.),		
-	-550	C to +55°C (T4),	- •). 	
Weight:		(),	- •).	
Certified Temp:		•		-•/.	
Bulb Type:	70 Watt H1 tungsten halogen bulb (24V). 55 Watt H1 tungsten halogen bulb (12V).				
Bulb Life:	We do not recommend the continuous use of the TH12 for over 3 hours as this could adversely affect its life.				
Finish:	Natural black or painted to customer specification.				
Material:	Body: Glass reinforced polyester (GRP). Lens: Glass. Cover screws and backstrap: Stainless steel 316.				
CUTR Ex d: Inmetro Ex d:	Certified to: IEC60079-0, IEC60079-1. Ex d IIB T3/T4 Gb. 1Ex d IIB T3/T4 Gb. Ex d IIB T3/T4/T5/T6 Gb.				
ATEX Ex d: IECEx Ex d:	Cert. no. BAS99ATEX2196. Certified to: EN60079-0, EN60079-1. Ex II 2G, Ex d IIB T3/T4 Gb. Cert. no. IECEx BAS 10.0094.				



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

2.92A

0.64A

0.34A

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

4.85A

Peak Current

ALL	DIME	NSION	NS IN	MIL	LIME	TERS

Multiplying Factor for Coloured Lenses: UL/UW/UM versions

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.

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.



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.

