STExB2RT1 Rotating Halogen Beacon

The STExB2RT1 is an explosion proof rotating Halogen beacon. The robust corrosion proof 316L stainless steel enclosure ensures suitability for all Zone 1, 2, 21 & 22 hazardous location signalling applications.

The STExB2RT1 beacons produce a high output rotating signal required for effective signalling in environments with elevated levels of ambient light. The field replaceable colour filter enhances the visibility of the beacon and is constructed from UV stable PC.

The stainless steel enclosure features a threaded flame path, four cable entries and a large termination area – all of which significantly reduce installation time.

Features

- 20/25W Halogen lamp
- 316 Stainless steel stopping plugs included
- Stainless steel fixings
- 316 Stainless Steel guard included as standard
- Field replaceable UV stable lens colour filter
- 4 x cable entries
- Duplicate cable terminations (in & out for daisy-chain installations)
- Robust corrosion proof 316L stainless steel enclosure

Approvals

- IECEx ULD 16.0017X
- ATEX DEMKO 16 ATEX 1466X
- UKCA certificate: UL21UKEX2019X
- TR-CU Ex EAC certificate: RU C-GB.HA65.B.01252_21
- INMETRO IEx 20.0156X

Coding

- IECEx / ATEX
  II 2G Ex db IIC T5 Gb Ta. -50° to +40°C
  II 2G Ex db IIC T4 Gb Ta. -50° to +70°C
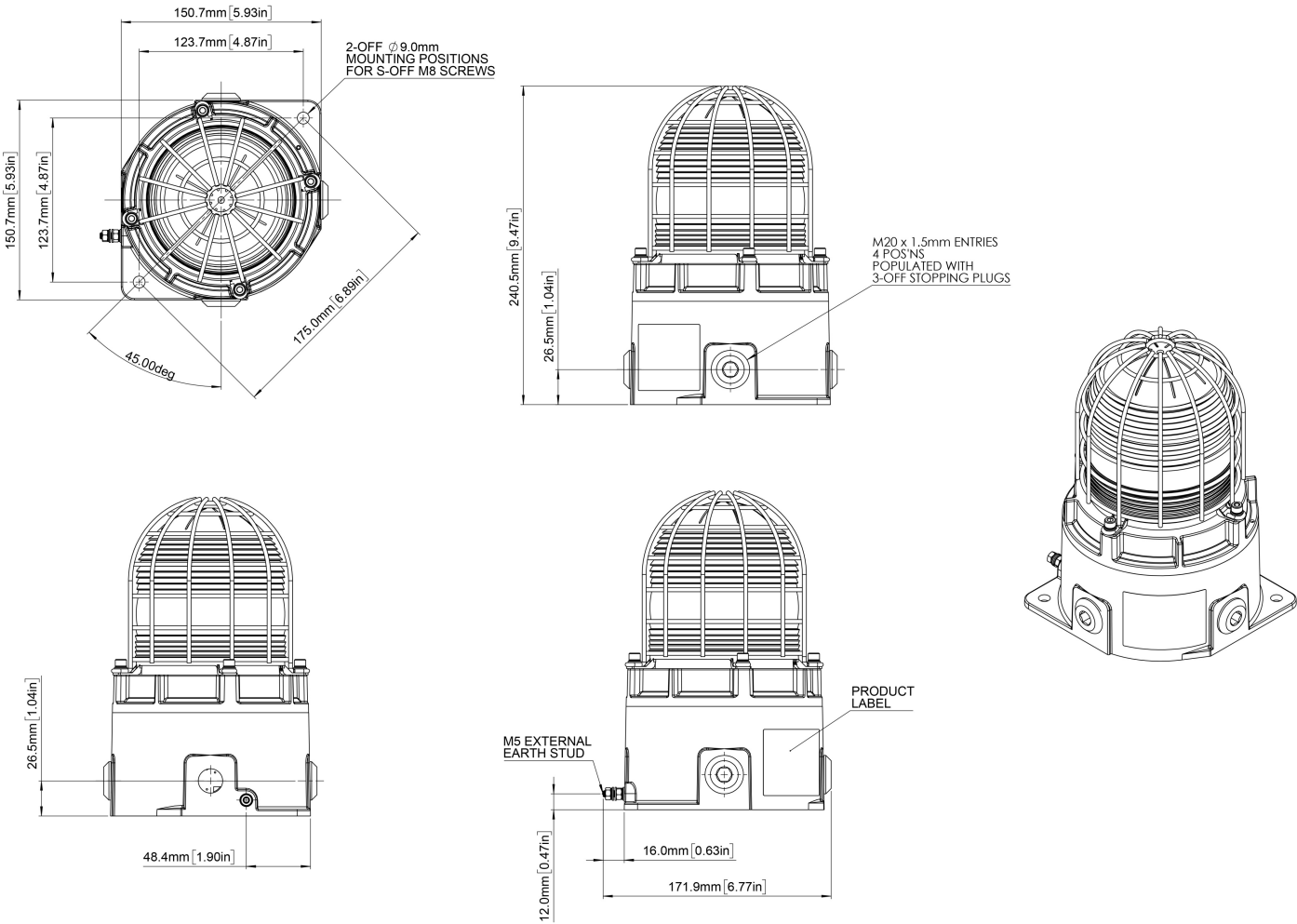 II 2D Ex tb IIIC T125°C Db Ta. -50° to +70°C

Specification

Source:	Halogen Lamp G6,35/GY6,35
Energy:	20W (DC voltages) 25W (AC voltages)
Rotation speed:	180RPM (+/-30RPM)
Eff. Intensity cd:	633 cd
Lens colours:	Amber, Blue, Clear, Green, Magenta, Red & Yellow
Voltages DC:	12V dc; 24V dc
Voltages AC:	115V ac; 230V ac
Drive life:	>5,000 hrs
Ingress protection:	IP rating per EN60529:IP66/67
Lens material:	High impact Borosilicate glass
Enclosure material:	316L Stainless Steel
Enclosure colour:	Red (RAL 3000)
Enclosure finish:	Chromate & powder coated finish
Cable entries:	Side: 4 x M20x1.5mm Stopping plugs included
Stopping plugs:	Stainless Steel
Terminals:	0.5 – 2.5mm² (20-14 AWG) Duplicated terminals
Ground/Earth stud:	M5
Line monitoring:	Blocking diode included EOL Min. 500 Ohm 2w, or 3k3 Ohm 0.5w resistor or diode (DC versions) can be fitted
Enclosure volume:	<2 litres
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Installation temp:	-50° to +70°C (-58°F to +158°F)
Storage temp:	-50° to +70°C (-58°F to +158°F)
Relative humidity:	95% – Additional tropicalisation is recommended for applications where both high relative humidity and high ambient temperatures exist
Weight:	6.0kg/13.23lbs

*All candela data is representative of performance with clear lens at optimum voltage.

Part Codes

Part Code:	Identifier:	Description:
Product type:	STExB2	
Type:	RT1	Halogen Rotating Beacon
Voltage:	DC012 DC024 AC115 AC230	12Vdc 24Vdc 115-120Vac 230Vac
Cable entries: [e]	A B C D E F G H I J	4 x M20x1.5mm 2 × 1/2'' NPT – adaptors 2 × 3/4'' NPT – adaptors 2 x M25x1.5mm – adaptors 1 × 1/2'' NPT – adaptor 1 × 3/4'' NPT – adaptor 1 x M25x1.5mm – adaptor 3 × 1/2'' NPT – adaptors 3 × 3/4'' NPT – adaptors 3 x M25x1.5mm – adaptors
Stopping plug/ adaptor material: [m]	S	Stainless Steel
Guard material: [s]	1 3	A4 316 Stainless Steel A4 316 St/St with Equip. Tag
Product version: [v]	A	IECEx, ATEX, Ex EAC, INMETRO
Product option: [o]	1 T X	Standard product Tropicalisation Custom configuration – contact E2S
Enclosure colour: [x]	R S	Red Special – contact E2S for alternative enclosure colours
Lens colour: [y]	A, B, C G, M, R Y	Amber, Blue, Clear Green, Magenta, Red Yellow
Accessories: SP65-0001-A4 SP65-0003-A4		Pole Mount Bracket Kit 2'' St/St A4 (316) Sunshade – St/St A4 (316)

Current Consumption

Nominal Voltage:	Voltage range:	Nominal current:
12Vdc	+/-10%	1.73A
24Vdc	+/-10%	970mA
115Vac 50Hz/60Hz 115-120Vac		216mA
230Vac 50Hz/60Hz 220-240Vac		111mA

Assemblies

The STExB2RT1 is available as a plated assembly configured with a STEx type alarm horn sounder and additional
STEx type Xenon strobe or LED beacons with or without a STExJ2 Ex d junction box. Contact E2S for further information.