

# IS-mB1 IS-minialite

The IS-mB1 is a compact beacon with an array of six high output L.E.D's. Approvals include ATEX, IECEx and GOST-R for Zone 0 applications and FM approval for Class I Division 1 and Class I Zone 0 applications..

The IS-mB1 is suitable for all intrinsically safe signalling applications including fire, security and process control.

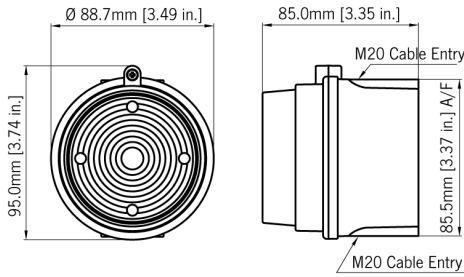
## Features

- Input overload and reverse current protection
- End of line resistor certified
- Prismatic lens optimises L.E.D effectiveness

## Approvals

- ATEX certificate: SIRA 05ATEX2084X,  
EN 60079-0 : 2012, EN 60079-11 : 2012,  
IEC 60079-26 : 2014
- IECEx certificate: IECEx SIR 06.0045X,  
IEC 60079-0 : 2011, IEC 60079-11 : 2011,  
IEC 60079-26 : 2014
- FM approved:  
Class 3600 1998, Class 3610 1999,  
Class 3810 2005
- GOST-R certificate: POCC GB.JB05.B03365





## Specification

Light source: Array of 6 high intensity L.E.D's.

L.E.D. colours: Red, Amber, Blue, Green & Clear

Flash modes: Double flash at 2Hz and 1Hz

Effective intensity cd: 23cd\* - measured ref. to I.E.S.

Voltage: 16-28vdc via Zener barrier or galvanic isolator

Current: 25mA typical when powered from 24v supply via 28v 300 Ohm Zener barrier

Ingress protection: IP65

Rating: Continuous

Housing material: UL94V0 & 5VA FR ABS & PC

Housing colour: RAL3000 Red

Fixings: Stainless Steel

Cable entries: 2 x M20 clearance gland knockouts.  
Custom configurations also available.

Terminals: 0.5 to 2.5mm<sup>2</sup>

Operating temp: -40° to +60°C [-40 to +140°F]

Storage temp: -40° to +70°C [-40 to +158°F]

Relative humidity: 90% at 20°C [68°F]

## Part Codes

IS-mB1-R/[x]

ATEX / IECEx / FM

II 1G Ex ia IIC T4 Ga (-40°C ≤Ta≤ +60°C)

IS Class I, Zone 0, AEx ia IIC T4

IS Class I, Division 1, Groups A, B, C, D

GOST-R

0ExialICT4 IP65 -40° to +60°C

[x]: Lens colour: A: Amber  
R: Red  
B: Blue  
G: Green  
C: Clear (white LED)

May be powered from any certified Zener barrier or galvanic isolator whose output parameters do not exceed:

Uo : 28VDC

Io : 660mA

Po : 1.2W