

# 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 EAC Ex 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.

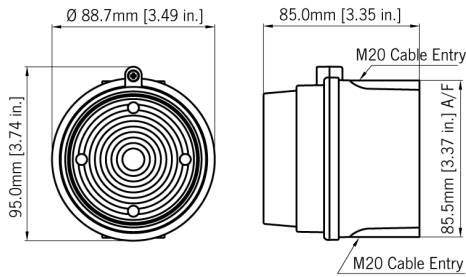
## Features

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

## Approvals

- ATEX certificate: SIRA 05ATEX2084X
- IECEx certificate: IECEx SIR 06.0045X
- FM approved
- 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

ISmB1-R/[y]	
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	
[y]: 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:

U<sub>o</sub> : 28VDC I<sub>o</sub> : 660mA P<sub>o</sub> : 1.2W