

MBL1 Multi-function LED Beacon

The MBL1 is a multi-function L.E.D. beacon featuring a robust, fire retardant, IP66 & IP67 housing; suitable for harsh environments.

The array of 32 high output L.E.D.'s have a total of 9 operating modes; 4 rotating sequences, 4 flashing patterns and a steady mode for indicator or status applications.

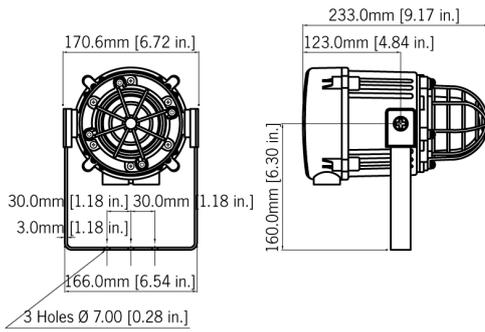
Features

- Continuously rated.
- Large termination area.
- Stainless steel fixings.
- Ratchet adjustable stainless steel 'U' bracket for 360° positioning.
- Duplicate cable terminations (in & out for daisy-chain installations).
- Tropicalisation available on request.

Approvals

- GOST-R approved: POCC GB.JB05.H00144.





Specification

| | |
|------------------------------|---|
| Light source: | Array of 32 high output L.E.D.s |
| Peak/Effective Intensity cd: | 11 cd* - measured ref. to I.E.S. |
| Lens colours: | Amber, Blue, Green, Red & Yellow |
| Voltages DC: | 10-50V dc |
| Voltages AC: | 24V ac; 115V ac; 230V ac |
| Ingress protection: | IP66 & IP67 (Third party tested) |
| Housing material: | High impact UL94 V0 & 5VA FR ABS |
| Colour: | Grey (RAL7038) |
| Cable entries: | 2 x M20 supplied with 1 blanking plug |
| Lens material: | Borosilicate glass dome with PC prismatic lens cover. |
| Guard: | Stainless Steel dome guard as standard |
| Terminals: | 0.5 to 4.0mm ² cables. |
| Operating temp: | -25 to +55°C [-13 to +131°F] |
| Storage temp: | -40 to +70°C [-40 to +158°F] |
| Relative humidity: | 90% at 20°C [68°F] |
| Weight: | 1.48kg/3.25lbs |

*Candela measurements representative of performance with clear lens at optimum voltage

AUTHORIZED DISTRIBUTOR:
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Part Codes

| Version: | Part code: |
|----------|-----------------|
| 24V dc | MBL1DC24G-[xx] |
| 48V dc | MBL1DC24G-[xx] |
| 24V ac | MBL1AC24G-[xx] |
| 115V ac | MBL1AC115G-[xx] |
| 230V ac | MBL1AC230G-[xx] |

[xx] = L.E.D. / Lens AM: Amber, BL: Blue, GN: Green, RD: Red, YW: Yellow colour:

Current Consumption

| Version: | Voltage: | Current mA: |
|----------|----------------|-------------|
| 24V dc | 10-50V dc | 400mA |
| 48V dc | 10-50V dc | 230mA |
| 24V ac | 50/60Hz +/-10% | 380mA |
| 115V ac | 50/60Hz +/-10% | 140mA |
| 230V ac | 50/60Hz +/-10% | 70mA |

Multi-function patterns

| Mode: | Stage 1: [Selectable on board] | Stage 2: [Remotely selectable] | Stage 3: [Remotely selectable] |
|-------|--------------------------------|--------------------------------|--------------------------------|
| 1 | All L.E.D's on | Alternate Side Flash 1:1 2Hz | Double Strike Flash 2Hz |
| 2 | Rotating: Fast 1 | 1x Flash 2Hz | All L.E.D's on |
| 3 | Rotating: Fast 2 | Double Strike Flash 2Hz | All L.E.D's on |
| 4 | Rotating: Slow 1 | Alternate Side Flash 1:1 2Hz | All L.E.D's on |
| 5 | Rotating: Slow 2 | Double Strike Flash 1Hz | All L.E.D's on |
| 6 | Double Strike Flash 1Hz | Alternate Side Flash 1:1 2Hz | All L.E.D's on |
| 7 | Single Strike Flash 2Hz | Rotating: Fast 2 | All L.E.D's on |
| 8 | Double Strike Flash 2Hz | Rotating: Fast 2 | All L.E.D's on |
| 9 | Alternate Side Flash 1:1 2Hz | Rotating: Fast 2 | All L.E.D's on |

E2S Warning Signals

No liability is accepted for any consequence of the use of this document. The technical specification of this unit is subject to change without notice due to our policy of continual product development. All dimensions are approximate. This unit is sold subject to our standard conditions of sale, a copy of which is available on request.