

The E85 Range Lanterns utilize LED technology to provide narrow high intensity light beam, controlled by a built-in flasher. They consist of marine grade aluminium case, hot zinc coated base plate and polycarbonate light unit housing for the LED matrix, flasher unit and power supply. The light unit is protected to IP67 and, furnished with a silica gel humidity absorber package. The lights can be installed on site without any additional cupola. The direction of the light beam is adjustable 12 degrees around both vertical and horizontal axes using a detachable sight.

### *Features*

- high intensity (up to 1000cd) narrow light beam, adjustable around vertical and horizontal axes
- programmable automatic control of flashing
- daylight-dependent control of the flashing mode by an internal photosensor
- readiness for connection to RS-485 local area network (optionally RS-232 interface is available)
- readiness for optional onboard GSM communication controller and/or GPS receiver modules. The GSM and GPS antennas can be mounted on top of the light enclosure
- when equipped with an optional GSM communication controller, the light can be integrated into a remote control and monitoring system
- when a group of lanterns is equipped with optional GPS receivers, the flashing of this group of lanterns can be synchronized without physical (cable) connection between the units



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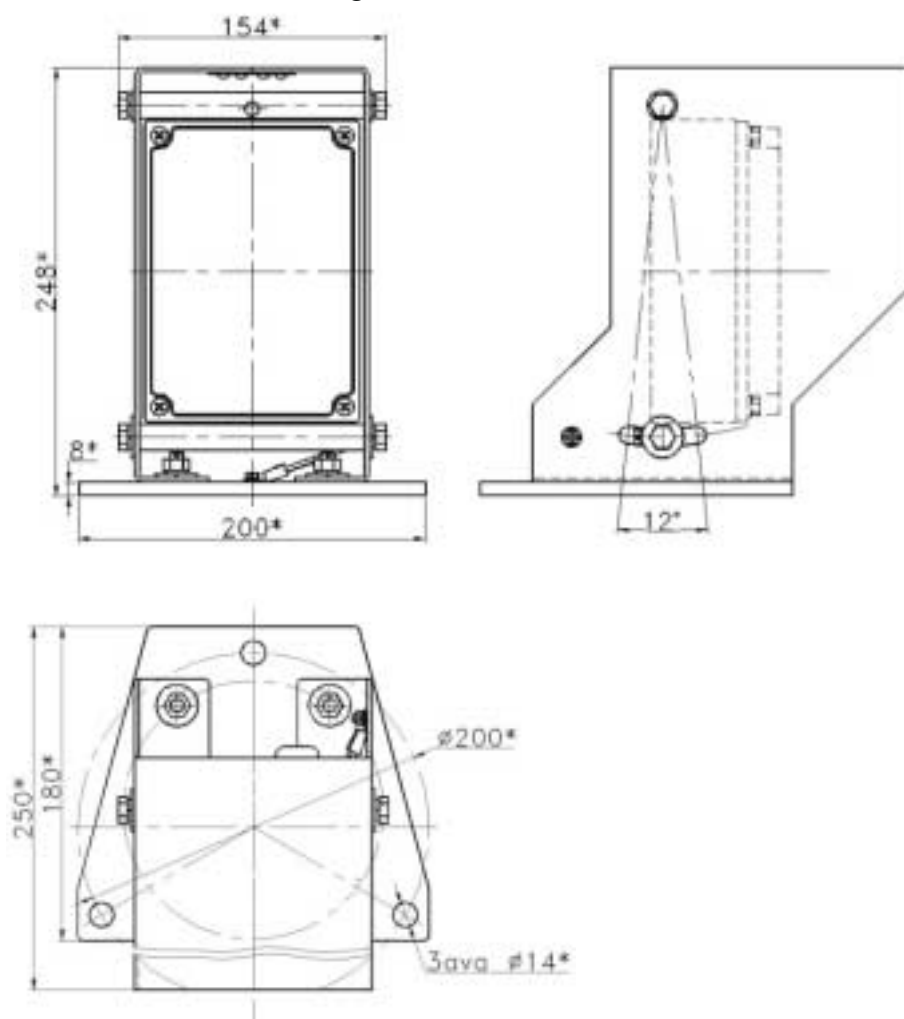
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## Technical specifications

<b>Type</b>	E851-W	E851-R	E851-G
<b>Colour</b>	white	red	green
<b>Power consumption</b>	6W		
<b>Voltage range</b>	9V...18V DC		
<b>Built-in flasher</b>	programmable by the customer		
<b>Flash length (programmable)</b>	any multiples of 10ms, up to 60.01s		
<b>Period time (programmable)</b>	any multiples of 20ms, up to 655.5s		
<b>Vertical divergence,</b>	6°		
<b>Horizontal divergence,</b>	6°		
<b>Light intensity</b>	1000cd, (flashing duty cycle 0.6) 500cd, (flashing duty cycle > 0.6)		
<b>Ambient air temperature</b>	from -30°C to +55°C (IEC 60068-2-1,2,14)		
<b>Relative humidity</b>	up to 98% at temperature +35°C (IEC-60068-2-3)		
<b>Mechanical vibration</b>	10 - 500Hz with acceleration up to 2.2g (IEC 60068-2-6)		
<b>Ingress Protection</b>	IP67		
<b>Dimensions</b>	154x248x250mm		
<b>Weight</b>	4.2kg		



Layout and dimensions of the Range Lantern E851