

Dual LED Range Lantern E8554

The Dual LED Range Lanterns E8554 are intended for application in leading lights as a redundant source of a light signal, utilizing two independent LED arrays to provide a narrow high intensity light beam. An E8554 consists of a light unit sealed within a polycarbonate enclosure, and of a protective frame of marine grade aluminium which is attached either to an adjustable pedestal for single unit applications, or to a fixed carrier frame in case of forming high-power modular light clusters. The light unit houses two high power LED arrays with individual lenses that are mounted onto a heat sink of marine grade aluminium forming a back wall of the enclosure. Two independent switching power supply units allow external control of the light signal by a low-level signal applied to the modulation input. Front side of the light unit's enclosure is protected by an easily replaceable transparent UV-stable polycarbonate cover, available from the manufacturer as a standard off-the-shelf spare part.

The E8554 Range Lights are currently available in one of the three colours: white, red, or green. Direction of the light beam in horizontal plane is adjustable by rotation of the protective frame with the light unit. Direction of the light beam in the vertical plane is adjustable by tilting of the light unit within the protective frame. The back side of the light unit is furnished with a mount for an optical sight that can be used for precise adjustment of the light beam direction.

Features:

Effective luminous intensity (typ):	140 000 / 300 000[*] cd
Horizontal divergence $2\Theta_{1/2}$:	11.5° / 3°[*]
Vertical divergence $2\Theta_{1/2}$:	3.5° typical
Nominal range (T=0.74, 1.0 μlx):	16.5 nm / 18.3[*] nm
Power supply voltage:	10 ...27 VDC
Power consumption in flash:	74 W / 50[*] W
Measures (W x H x D):	227 x 386 x 330 mm
Weight, kg:	12 kg
Mounting hole pattern:	4 x Ø14, side 167.5 mm
Enclosure protection class:	IP67
Front cover material:	UV-stable polycarbonate
Lens material:	Optical grade UV-stable acrylic
Body material:	Marine grade aluminium, anodized and powder coated
Operating environment:	-30°C to +55°C



The second set of values marked with ^{*} is our best estimate for alternative lens configuration.

Please contact aivar.usk@cyber.ee for more detailed information.

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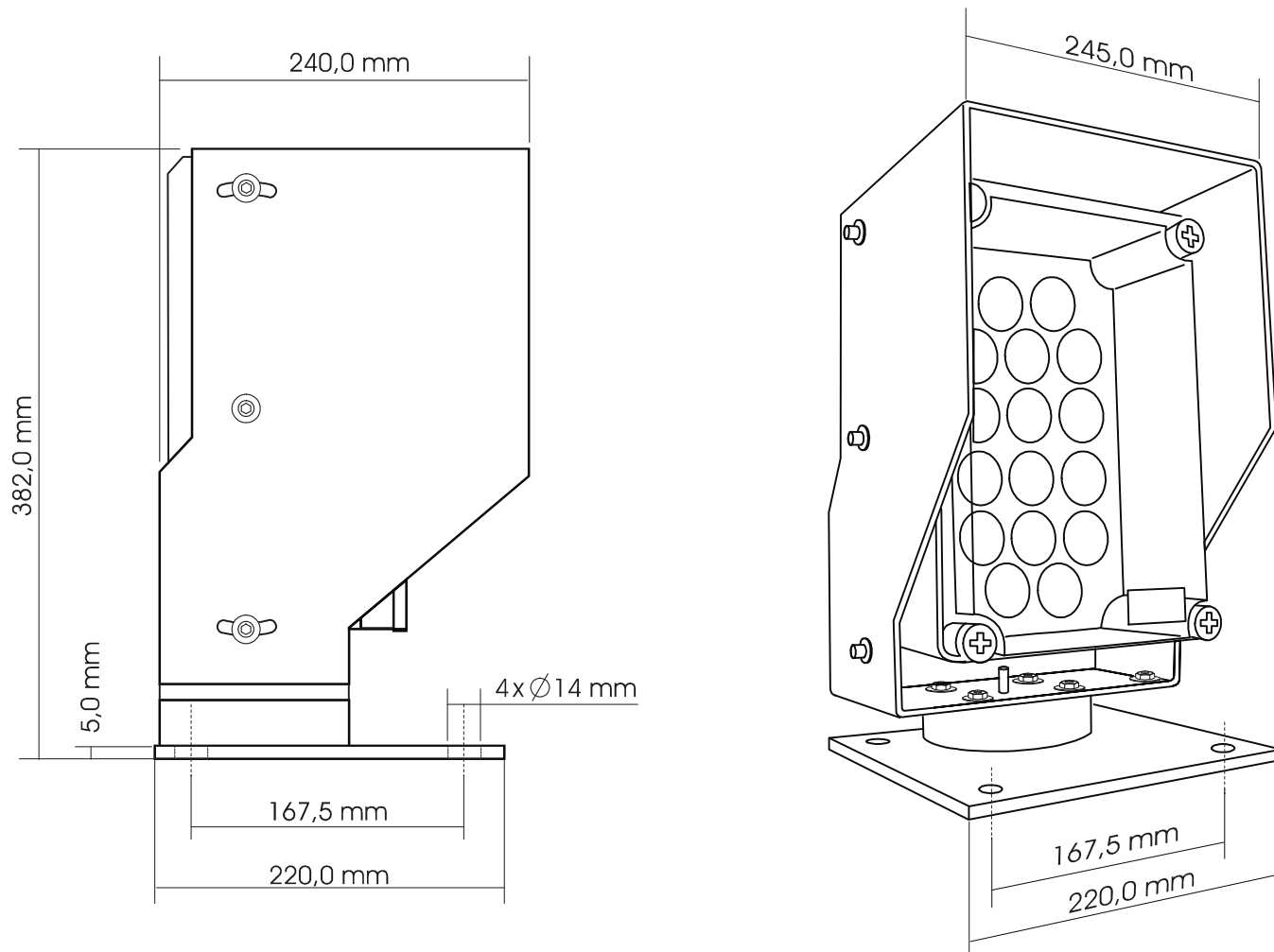


Figure 1. Dual LED Range Lantern E8554: dimensions

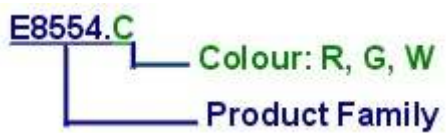


Figure 2. Dual LED Range Lantern E8554: model number legend for ordering