LED 155 Mk II

Wide LED Buoy Lantern

- Wide Divergence
- Extremely low wattage
- Long lifetime
- Adjustable intensity
- Robust mechanical design

SABIK
SHOWS THE WAY

This LED lantern is designed to be used as a light signal on floating and fixed stations. The light source and the optical system of the unit are designed for up to 10 years of unattended operation.
Light Emitting Diodes (LEDs) are the light source of the unit. Highest possible light intensity is achieved by using the latest LED technologies.
The high performance optical lens of the lantern has an unparalleled light output at an extremely low input power. Compared to standard 85mm lanterns, the light output of the red and the green signal at the same input power is more than 5 times greater. The vertical divergence is equivalent to or better than for the standard 85mm and 155mm lenses on the market. The lens is moulded as a single piece in UV stabilized Lexan™ polycarbonate ensuring durability of light output with minimal fading or discoloration during aging.
The base is manufactured of corrosion resistant marine aluminum alloy finished externally with a high quality hot baked epoxy. The lantern controller is the LEDFlasher intelligent flasher unit.
The intensity can be adjusted from 15% to 100% of nominal max.fixed intensity by means of serial communication. The unit can be supplied with up to 3 tiers of LED's.

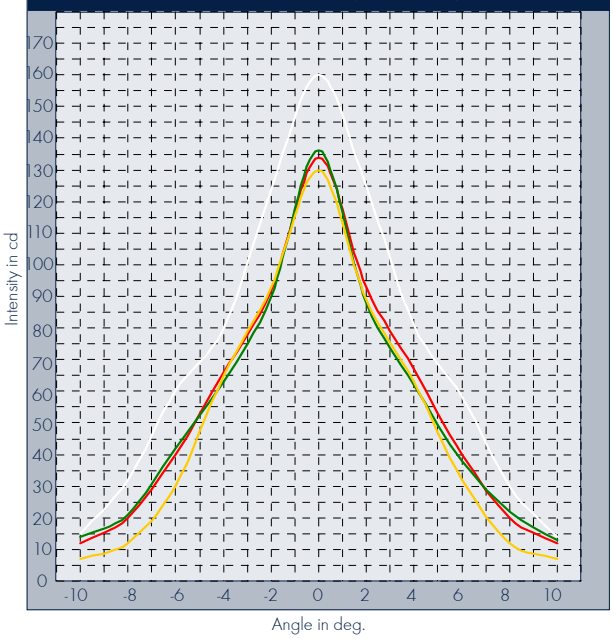
MAXIMAL LUMINOUS INTENSITY/ TIER

Colour (IALA preffered zones)	Max. luminous Fixed Intensity [cd]
Green 6 W	120 cd
Red 6 W	120 cd
Yellow 6 W	100cd
White 6 W	170 cd

INTENSITIES/DISTANCE NIGHT-TIME

Intensity Cd	Visibility in nautical miles Tc = 0.74	Tc = 0.85
1	1.00	1.10
5	2.00	2.30
15	3.00	3.50
25	3.60	4.30
35	4.00	4,80
55	4.60	5.70
65	4.80	6.00
70	4.90	6.10
80	5.10	6.40
90	5.30	6.70
100	5.40	6.90
120	5.60	7.20
140	5.90	7.60
160	6.10	8.00
200	6.50	8.50

LIGHT DISTRIBUTION IN VERTICAL PLANE (SINGLE LENS)



All the LED types used are colour ranked to several different colour categories. The colour chromaticity is adjusted to meet the IALA colour chromaticity standards.

WE SHOW THE WAY

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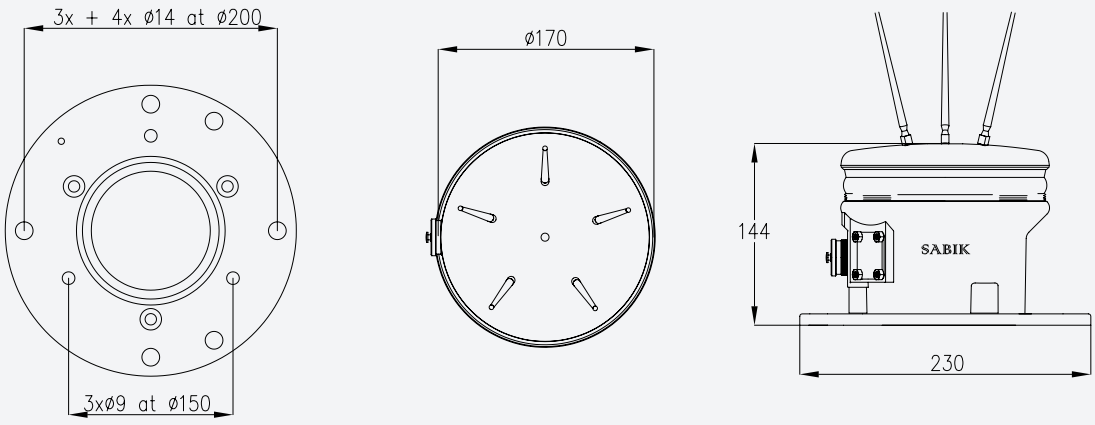
TECHNICAL DIMENSIONS



TECHNICAL SPECIFICATIONS

Lens visual/mechanical diameter	160 mm
Lens material	Lexan ™ Polycarbonate
Light Source	Light Emitting Diodes (LEDs)
Peak Intensity	170 cd white, 120 cd red/green, 100 cd yellow
Vertical divergence	10° @ 50% (±1°) and 20° @ 10% (±2°) of peak intensity
Colours	Red/Green/Yellow/White
Signal standards	IALA
Unit lifetime	up to 10 years
Fixing of the base	standard base with 3 x Ø9 at PCD 150mm and 3/4 x Ø 14 at PCD 200
Weight	3.9 kg for single tier unit
Temperature Range	-40° ... +60°C
Controller	Sabik LEDFlasher 6-28
Order Code	Red 980124W, Green 980126W, Yellow 980125W, White 980127W
Options	GPS Sync, GSM monitoring, Optical Feedback System

The LED 155 EX lantern is also available for operation in Zone 1 and Zone 2
Hazardous areas and the code of protection is: EEx em II T4

MANUFACTURER

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