VLB-36X

Medium range lantern 4-7 NM

This 7 nautical mile marine beacon uses highly efficient optics and electronics providing best in class energy efficiency.

This level of efficiency significantly reduces the solar panel and battery requirement in standalone applications.

- **2 different vertical divergences to cover fixed and floating applications: 10° (ideal for buoys), 7° (for land/pole use)**

- **Available as standalone or self-contained with 30 Watts solar power**

- **The available colours are red, green, white and yellow**

- **The unique optical system utilises an acrylic lens to maximise the light capture from the LED's**

- **The LED's are precisely graded and placed to produce a light beam with minimum variation in intensity**

- **A switch mode regulator maintains the light output of the LEDs independent of input of voltage and temperature**

- **Programming is done using IR programmer**

- **Integrated GPS-sync available as option**
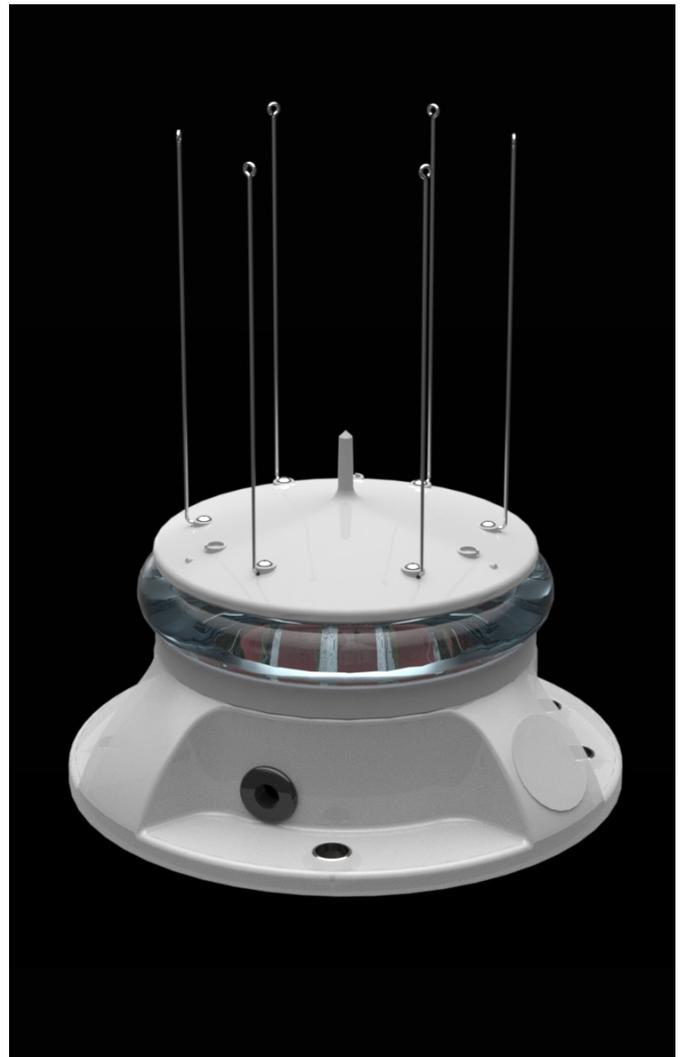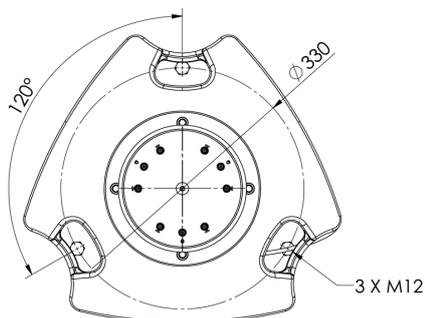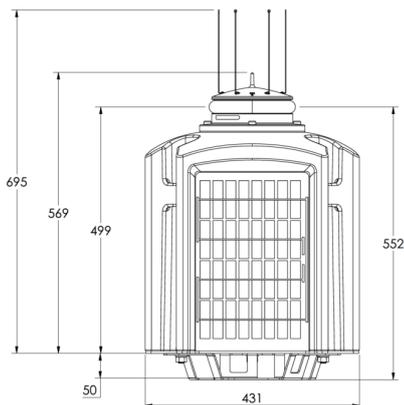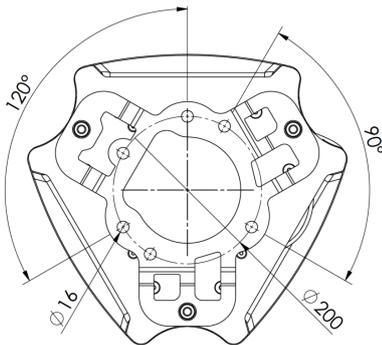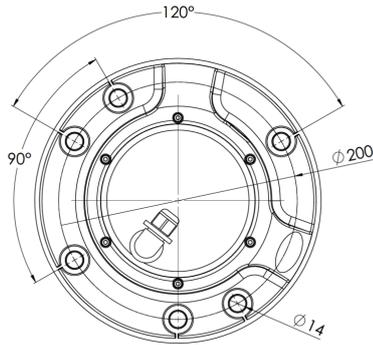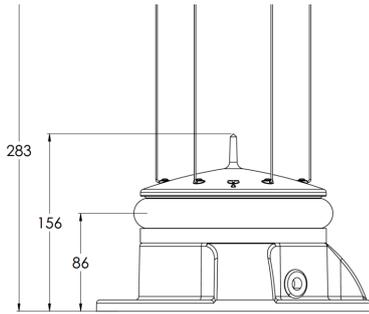
Optical Performance

Maximum peak intensity

7°	380cd	403cd	348cd	534cd
10°	320cd	352cd	265cd	395cd

Optical specification

Light source	High-Intensity LEDs
Colours available	Red, Green, White and Yellow
Horizontal divergence	360°
Flash character	Fully programmable (including presets)
Vertical divergence	7° @ 50% peak 10° @ 50% peak
Temperature control	LEDs monitored for excess temperature

Main Technical Specification

Lens	Machined cast acrylic; UV-protected
Base	UV resistant ASA
Body	Marine grade aluminium
Weight	1.2 kg
Temperature range	-30° – +50°C
Voltage	12 VDC (10-18 VDC)
Solar Panel Charger	5 A
Degree of protection	IP 68

VLB-36X-SC

Solar panel output	30 W
Battery capacity	32 Ah
Weight	27 kg
Height	569 mm (695 mm incl. bird spikes)

Order Overview VLB-36X

Option matrix

GS	GPS synchronization

Product code

Code	Note
VLB-36X-cdd-xx	
c	Color (G, R, W, Y)
dd	Vertical divergence (**7°** or **10°**)
xx	SA = Standalone, SC = Self-contained