SABIK

M44H

Long Range Lantern
20 NM by night, 3,4 NM by day

M44H is a high intensity omnidirectional lantern for lighthouses and other fixed platforms.

M44H has a modular structure and the lantern is available as 1, 2 and 3 tier versions. Modularity allows intensity and power optimization for each site.

M44H is controlled with Bluetooth and due to high efficiency and advanced heat management, M44H has an exceptionally small footprint and low power consumption.

- **High efficiency**

- **Compact size and light weight**

- **Small heat dissipation**

- **Bluetooth programming**

- **Maintenance free LED light source**

- **Modular structure for intensity and power optimization**

- **Range 31,5 NM by night and 4,1 NM by day @0.85T**

- **Adjustable day and night intensity**

- **Automatic day and night detection and transition**

Performance

Product	Vertical divergence @ 50% peak intensity	Peak intensity white	Peak intensity red	Power consumption @ peak intensity
M44H-1T-2D5	2.5°	38 000 cd	17 500 cd	250 W
M44H-2T-2D5	2.5°	76 000 cd	35 000 cd	500 W
M44H-3T-2D5	2.5°	114 000 cd	52 500 cd	750 W

Electrical specification

Nominal operating voltage	24 VDC
Operating voltage range	20 - 32 VDC

Structure and materials

Light source	High power light emitting diode (LED)
Lens	PMMA, UV-protected
Body	Marine-grade aluminium
Cable length	2 m / 6.6 ft
Ingress protection	IP67
Temperature range	-30° to +50°C / -22° to +122°F
Warranty	3 years

Accessories

PS-960	960W Power source for 2T & 3T lanterns
PS-480	480W Power source for 1T lantern
M132279	Stacking kit for two M44H-3T lanterns
M132231	Stacking kit for three M44H-3T lanterns

Functional features

Remote monitoring	LTE-M (GSM)
Programming	Bluetooth, Infrared programmer
Synchronization	Wire sync, optional: GPS sync
Flash character	Any IALA character + 1 custom character
Day & night mode	Automatic and programmable

Product code

Code	Note
M44H-xT-c2D5-OPT	
x	Number of tiers (1T, 2T or 3T)
c	Color (R or W)*
OPT	Option
	*available in yellow and green upon request

Option

OPT 4E	GPS synchronization with external antenna (60cm lead)
OPT 9E	LightGuard LTE-M monitoring and GPS sync with external antenna (60cm lead)

Dimensions

Product	Product dimensions (DxH) mm	Product weight kg	Packing dimensions (DxWxH) mm	Gross weight kg	Product dimensions (DxH) inch	Product weight lb	Packing dimensions (DxWxH) inch	Gross weight lb
M44H-1T-2D5	300x162	5.9	520x520x220	7.4	300x162	5.9	11.8x6.4	13
M44H-2T-2D5	300x202	8.7	520x520x340	10.2	300x202	8.7	11.8x7.9	19.2
M44H-3T-2D5	300x242	11.5	520x520x340	13	300x242	11.5	11.8x9.5	25.3