

# ST81 M

High power LED floodlight for decks, holds and seaports



The **ST81M** combines robust marine-grade construction with cutting-edge energy efficiency. Delivering up to 22,500 lm light output with only 3 x 55 W, it provides outstanding illumination while reducing power consumption and operating costs – the ideal solution for energy-conscious ship operators and offshore installations. Its housing, made from seamless stainless steel with a durable powder coating, ensures maximum resistance against corrosion, vibration, and mechanical stress, including IP67 protection. Efficient, reliable, and built to last – available in several variants, such as multiple beam angles, gland options, different color temperatures, and many more features for your demands.

## Technical Details

Possible combinations of features and other options available on request. Please contact us for more information.

Luminaire Type	Floodlight
Input Voltage	120–277 VAC / 24 VDC
Area	Outdoor
Application	Cruise / Offshore / Naval / Commercial
Frequency	50–60 Hz / 0 Hz
Wattage	3 x 50 W / 3 x 55W
Lumen Output	18000 lm / 22500 lm
Color Temperature	3000 K / 4000 K / 5700 K / 6500 K / Red / Green / Blue
CRI Color Rendering Index	80 / 90
Beam Angle	22° / 37° / 52° / 91°
Beam Direction	Up 90° and Down 90°
Control Mode	Switchable / Dimmable / DALI

Cover / Diffusor	Tempered glass, DIN 12150, clear
Material of Housing	Polycarbonate / Stainless Steel 1.4404
Color of Housing / Ring	RAL / NCS colors
Type of Light Source	LED
Light Source Included	Yes
Cable Entry	Cable glands, Plastic / Brass, 1 x / 2 x M20
External Wiring	Ø 9–14 mm / Ø 6–13 mm
Type of Connection	1 x / 2 x IDC fast connector / connection cable / Terminal 3-pole / 5-pole, 2.5 mm <sup>2</sup> / 4 mm <sup>2</sup>
Mounting Type	Bracket
IP Class	IP66/67
Corrosion Class	C3L / CX VH
Ambient Temperature in °C	-40 ... +50
Features	Connection box / EMI-proof

**Images**