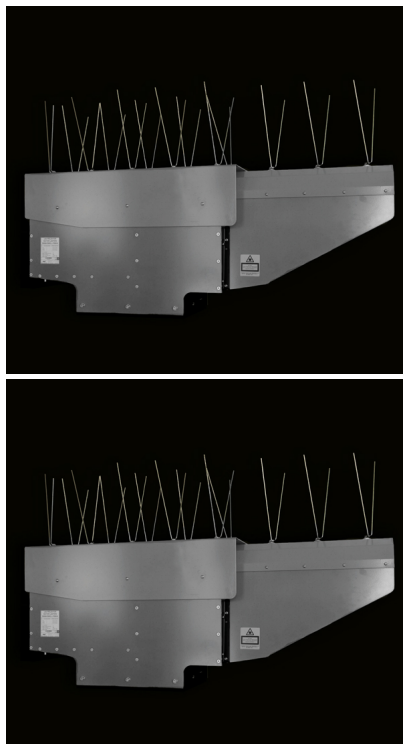


E8594



LED Projector sector light signal, up to 23 M / 5 M daytime range The E8594 is a high-performance, power efficient medium intensity marine LED Projector sector lantern with beam configuration tailored to customer requirements at the factory. All E859X Lanterns feature factory configured Day and Night mode luminous intensity selectable by a single digital input, supporting fast PWM control necessary for generating navigational signals at reduced intensities, as well as for utilizing Fixed-and-Flashing (FFL) rhythmic characters or Slow Flash Front (SFF). The field proven E8594 design can be offered with optional Opposite-Isophase sector signal control for producing rhythmic characters reducing the latency of spatial awareness update for the mariners: the white sector signal is active during the eclipse of coloured sectors and vice versa, resulting in immediate awareness about leaving the white sector without the usual delay caused by the common eclipse. A two-tiered design with two additional sectors providing alternating flashing on sector boundaries is available as E8595.

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Description

[Features](#)

E8594 features:

- Power efficient Day/Night light signalling system for port entry lights or leading line systems replacement
- IALA colours Red, Green, White with application-specific luminous intensities up to 500 kcd

- Factory-customized sector configuration with precision of $\pm 0.05^\circ$ (3')
- Sector width up to 2.5° with total subtense of approximately 7.5°
- Vertical divergence 1.2°
- Boundary resolution typically better than 8'
- Robus light signal unit that can be equipped with a Sabik SMC Flasher on with external Ekta control and monitoring system
- Day and Night mode luminous intensities configured in hardware as required - down to 10% by current and further by implementing PWM
- Internal optical LED performance diagnostics with condition output
- Available with optional Opposite-Isophase sector signal control
- Optionally available in "smart" version with externally integrated flasher and telematics controller with triaxial acceleration sensor integrated on the Lantern for Structural Health Monitoring of the AtoN mast
- Easy to install – requires only simple procedures for aiming the composite beam vertically
- No maintenance needed where sprinkling of the lenses by wave particles or dirt can be avoided

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