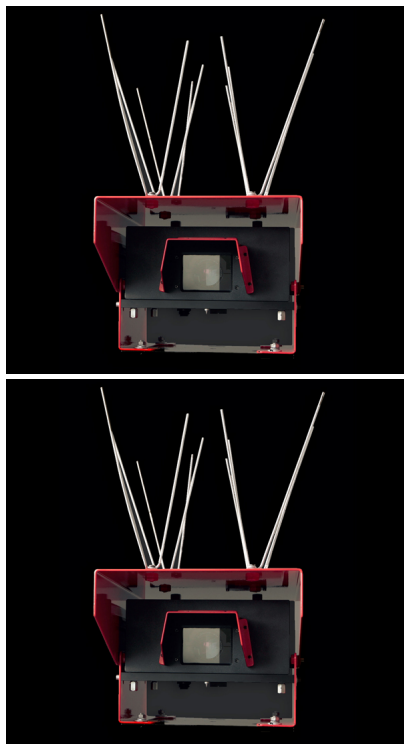


E8592



LED Projector sector light signal, up to 17 M range The E8592 is a high-performance, power efficient marine LED Projector sector lantern with composite beam of three signal colours featuring nearly identical luminous intensities. Sector configuration is tailored to customer requirements at the factory. All E859X Lanterns provide factory configured Day and Night mode luminous intensities 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 E8592 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 in the 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 E8596.

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Description

[Features](#)

E8592 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 nearly uniform up to 40 kcd
- Factory-customized sector configuration with precision of $\pm 0.05^\circ$ (3')
- Sector with 3° to 6° with total subtense of approximately 13°
- Vertical divergence either 1.8° or 3°
- Boundary resolution typically better than 2'
- Robust light signal unit that can be equipped with a Sabik SMC Flasher or with external Ekta control and monitoring system
- Day and Night mode luminous intensities configured in hardware, peak value depending on selected colour and horizontal divergence
- 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 lens by wave particles or dirt can be avoided

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