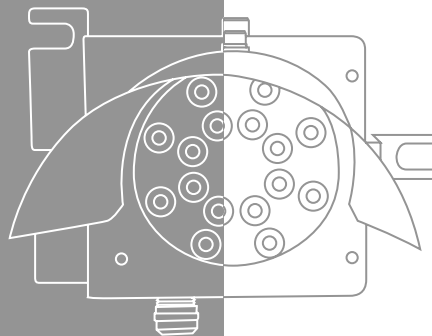


# LED LOCK AND BRIDGE SIGNAL LANTERN S 145 LED

## APPLICATION

Marking of locks and bridges on waterways



**The lock signal lantern type S 145 LED uses the latest LED technology for light generation. The individual high-power LEDs are tested for function during operation and thermally monitored to ensure optimum function.**

During the development of the lantern, attention was paid to the design to enable easy integration into control systems. Digital inputs are available for direct control, which can be used to switch the lantern on/off and to lower it at night. The lantern can be directly supplied with 12 V - 30 V<sub>DC</sub>.

The intensity in day-night operation can be adjusted in four steps. This allows the signal to be optimally adapted to the task to be performed.

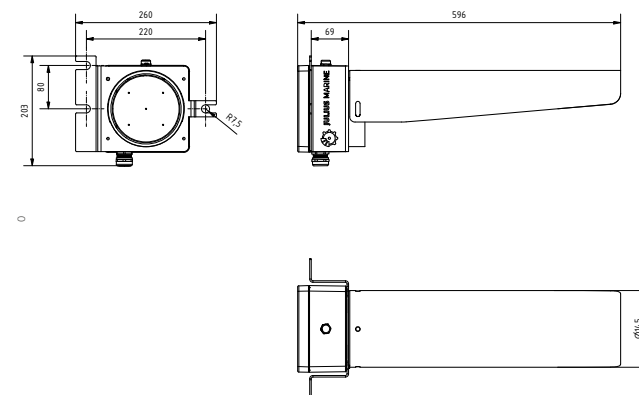
## FEATURES

- lifetime of the LED's up to 100.000 hours
- control input for switching the day-night operation on / off
- adjustment of day-night intensity via DIP switch
- control input for switching the signal on / off
- failure monitoring of the LEDs
- potential-free output to signal lantern malfunctions
- telescopic mount



### TECHNICAL SPECIFICATIONS

Supply voltage	12 – 30 V <sub>DC</sub>
Day mode	> 16.5 V <sub>DC</sub>
Night mode	< 14.5 V <sub>DC</sub>
Power consumption	4 – 20 W depending on colour, version and operating mode
Quiescent current consumption	< 5 mA
Light colour	red, green, white IALA Optimum (according to „IALA Recommendation E-200-1 Marine Signal Lights – Part 1 Colours“)
Operating temperature range	- 25 °C – + 50 °C
Storage temperature range	- 30 °C – + 70 °C
Relative humidity	max. 98 %
Degree of protection	IP54 (according to DIN EN 60529)
EMV	DIN EN 60945 DIN EN 50293-200
Dimensions (Ø x H)	220 mm x 281 mm



### TRANSPORT SPECIFICATIONS

Net weight	8.0 kg
Shipping weight	10.0 kg
Volume	0.03 m <sup>3</sup>

### LIGHT TECHNICAL SPECIFICATIONS

(fixed intensity for whitees Licht)

Light colour IALA Rec E-200-1	Light intensity I <sub>0</sub> (cd)	Scattering angle at 50 % of I <sub>0</sub> horizontal / vertical (°) / (°)	Scattering angle at 10 % of I <sub>0</sub> horizontal / vertical (°) / (°)
red	8,000	8 / 8	20 / 20
green	8,000	9 / 9	21 / 21
white	7,000	8 / 8	19 / 19

ARTICLE NUMBER	ARTICLE	CANDELA	LIGHT COLOUR
4-SCH1-00-11-2000 Candela	LED Lock and bridge signal lantern S 145 LED	2,000	red
4-SCH1-00-11-8000 Candela	LED Lock and bridge signal lantern S 145 LED	8,000	red
4-SCH1-00-33-2000 Candela	LED Lock and bridge signal lantern S 145 LED	2,000	green
4-SCH1-00-33-8000 Candela	LED Lock and bridge signal lantern S 145 LED	8,000	green
4-SCH1-00-44-2000 Candela	LED Lock and bridge signal lantern S 145 LED	2,000	white
4-SCH1-00-44-7000 Candela	LED Lock and bridge signal lantern S 145 LED	7,000	white