

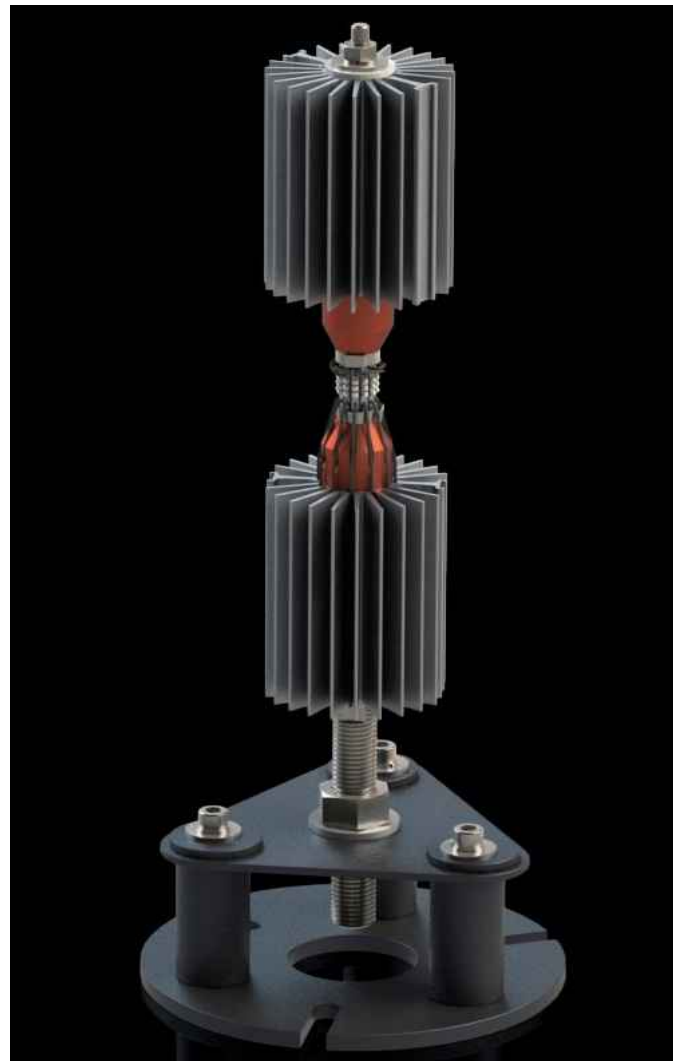


## SLU-24/SLU-36

**LED light source to replace traditional lamp inside historical lighthouses**

SLU-24/SLU-36 is a reliable and efficient solid-state light source to replace traditional lamps in rotating or fixed classical lighthouse optics. It extends the service life of traditional lighthouses without expensive and complicated re-work or decommissioning activities. Additional benefits are option for remote monitoring, lower maintenance costs, and possibility to transition to solar or other renewable power sources. All while maintaining the traditional appearance, existing optics, rotating beam, flash characteristics and heritage value of traditional lighthouses.

- ♦ **Rugged copper/aluminium body with special emphasis on heat management to ensure LED longevity**
- ♦ **Range up to 24 NM at  $T_c = 0,74$**
- ♦ **Colours cool white and warm white**
- ♦ **Extremely low power consumption, suitable for solar and battery operation**
- ♦ **Integrated 16A solar panel charger using pulse width modulation**
- ♦ **Integrated flasher with automatic day-night switch**
- ♦ **Adjustable intensity and range**
- ♦ **Programmable with IR programming device**
- ♦ **Integrated event log for 365 days**
- ♦ **Optionally integrated GPS synchronization**
- ♦ **Optionally integrated GSM Remote monitoring**



## Electrical Specification SLU-24/SLU-36

Nominal voltage	24 VDC
Input voltage range	20 to 30 VDC
Reverse polarity protection	Yes
Current consumption at peak intensity	max 4.6 A (SLU-24) / 6.9 A (SLU-36)
Current by day	< 5 mA
LED over current protection	Yes
Battery cut off voltage	Programmable
Power consumption at peak intensity (W)	110W (SLU-24) / 165W (SLU-36)
Power consumption at max avg. intensity (W)	65W (SLU-24) / 100W (SLU-36)

## Output characteristics

Color	Cool white (5000K - 6000K)	Warm white (2700K - 3000K)
Effective intensity	Programmable for both day and night operation	
Divergence	Dependent on existing lens system	
Flash characteristic control	246 standard characters plus custom character	

## Mechanical withstand and protection

Ingress protection	Equivalent to IP 10
Ambient temperature range	-30°C to +50°C

## Other

Designed service life	>10 years
Maintenance	Only periodic cleaning of external surfaces required
Warranty	3 years
Day / night transition	Programmable, default turn on at 15 lux / turn off at 60 lux

## Standards

EMI/EMC	EN 55015:2006 +A1:2007, +A2:2009 radiated and conducted emissions
	EN 61000-4-2:2008, Electrostatic Discharge Immunity
	EN 61000-4-3:2006/AMD2:2010, Electromagnetic Compatibility
	EN 61000-4-5:2005 Class 3 Surge Immunity
	FCC 47 CFR Section 15 Class A
Colour	EN 61000-4-5:1995 Class 3 Surge Immunity
	IALA Recommendation E-200-1 "Marine Signal Lights - Colours" Edition 3 (December 2018)
Quality assurance	ISO 9001, ISO 14001, FAT upon request

Customizable to meet project specific requirements

Sabik team will support you from project definition to commissioning and operation as needed

For more information contact your regional sales manager

