



SLU-24 / SLU-36

LED light system for historic lighthouses

SLU Sabik Lighthouse Unit is a modern LED light system to replace traditional lamps in historic lighthouses. Lighthouses are modernized with all the benefits of LED technology while cherishing the heritage values and traditional appearance, such as existing optics or the color of the light. The historic lighthouses will have their beloved look and feel maintained, reliability improved and maintenance costs decreased. Long life LED technology and modern light control system will reduce the power consumption and need for maintenance. State-of-the-art functionalities like Bluetooth programming, remote monitoring and solar power options will upgrade the old lighthouse to meet today's high standard. Furthermore, the spare part availability will be secured for years ahead.

- Suitable for rotating and fixed lighthouse optics
- SLU-24 for solar powered systems
- SLU-36 for maximal intensity
- Unique heat management system for maximum intensity
- Maintenance free LED light source
- Flexible design for ease of installation
- Parallel LED and lamp drive technology
- GSM remote monitoring
- Bluetooth programming
- Adjustable day and night intensity 0.3 - 100 %
- Automatic day and night detection and change over



Performance

Light unit	Peak intensity standard white	Peak intensity warm white	Power consumption @ peak intensity	Power consumption for fixed light
SLU-24	1 450 cd	1 000 cd	110 W	65 W
SLU-36	2 150 cd	1 500 cd	165 W	100 W

Optical specification

Standard white	4 000 - 5 500 K
Warm white	2 700 - 3 000 K

Functional features

Light source diameter	SLU-24: 10 mm ; SLU-36: 16 mm
Adjustable focal point height	340 - 405 mm / 13.38 - 15.94 inch
Heat management	Powerful heatsink
Remote monitoring	Optional: GSM, AIS
Programming	Bluetooth
Rotating optics monitoring	Yes (SLU-DR)
Synchronization	Optional: GPS
Flash character	230 characters + custom character
Day / night mode	Automatic and programmable

Structure and material

Light source	High power light emitted diode (LED)
Light mechanics	Copper core, aluminium heat sink
Driver unit	Compact polycarbonate enclosure
Day night detection	External photocell with 5m cable
Rotating optics monitoring	Rotation sensor with 5m cable
Light installation	3xM12, diameter 150 - 200 mm
Ingress protection	Light unit: IP10 ; Driver unit: IP66
Temperature range	-30° to +50°C / -22° to +122°F
Warranty	3 years

Dimensions

Product	Product dimensions (LxWxH) mm	Product weight kg	Packing dimensions (DxWxH) mm	Gross weight kg	Product dimensions (LxWxH) inch	Product weight lb	Packing dimensions (DxWxH) inch	Gross weight lb
SLU-24 / SLU-36	230x230x610	6.5	300x300x700	14	9x9x24	14.3	11.8x11.8x27.5	30.8
Driver unit	260x170x120	1.5			10.2x6.7x4.7	3.3		

Electrical specification

Nominal operating voltage	24 VDC
Operating voltage range	20 - 30 VDC
Reverse polarity protection	Yes

Product code

Code	Note
SLU-24	Light unit, standard white, 24 LED, mounting pedestal and 5m cable
SLU-24-WRM	Light unit, warm white , 24 LED, mounting pedestal and 5m cable
SLU-36	Light unit, standard white, 36 LED, mounting pedestal and 5m cable
SLU-36-WRM	Light unit, warm white, 36 LED, mounting pedestal and 5m cable

Product code example: SLU-DF-9E

- **SLU-DF** is code of driver unit for fixed optics
- **9E** is a selection of option 9 integrated GSM

Product code

Product code	Driver Unit
SLU-DF	Driver unit for fixed optics, external photocell with 5m cable
SLU-DR	Driver unit for rotating optics, external photocell with 5m cable, external rotation sensor with 5m cable

Option matrix

OPT 9E: LightGuard GSM + GPS	Integrated GSM based monitoring with external GSM antennas
OPT 11: Battery control card	Control card for secondary (emergency) battery

