

Spreader light

Part Number 400-080-xx*

Manual

*-xx denotes reflector angle. 26, 36 or 74 deg.

Turn page for installation guidelines

Light source:

3 pcs. High power LED's

Power supply:

24VDC. (19 to 32VDC range)

Power consumption: ~27W (~1.2A@24.0VDC)

Wire colors:

RED to plus. BLACK to minus.

(the unit is protected from wrong polarisation)

Spreading angles and change of reflectors:

The spreading angle of the light is set by the physical reflectors.

Three different reflectors are available: 26, 36, and 74 degrees. The reflectors can be combined in one unit if a special light pattern is desired. The lenses can be changed by skilled craftsmen – using a special tool for removal of the acrylic bezels protecting the light source and reflectors. DO NOT attempt to remove the bezel with any other other tool. The exchange procedure must be performed in controlled environment that facilitates a dry and clean installation. (refer to separate datasheet concerning light spreads).

IPM: Intelligent Power Management

The light unit is controlled by an advanced algorithm that will protect the internal components from overheating in case of limited cooling possibilities. This means that the intensity will decrease slightly if the unit is not installed with proper thermal connection to the spreader.

General installation:

The spreader light must be installed by a skilled marine electrician, understanding the nature of basic electrical and mechanical details of products of this type.

Mechanical installation – thermal considerations:

In order to gain full functionality, the unit should - if possible - be bolted on to an absolutely flat base – preferably aluminium or other material with good thermal conductivity. Use thermal conductive grease or gasket between light unit and base. The base should hold three M5 threads, resembling the footprint of the light unit. Refer to drawing on next page. Three stainless (A4) M5 (preferably DIN-912 (inhex) should be used. (M5*50 is supplied with the light). The supplied plastic insulators must be fitted under the bolt heads.
