KJM

SL100

LED Searchlight with Wired Remote Control

Installation and Operating Guide

KJM is dedicated to providing the finest in shipboard equipment. The SL100 LED Searchlight is built to withstand the harsh marine environment, and is designed by people with over three decades of experience in the marine industry. Built to exacting standards from the finest materials, KJM products are rugged, available in a wide variety of styles and configurations

Please read the following pages before attempting installation to ensure complete understanding of the KJM SL100 LED Search Light.

Precautions

- To reduce the risk of electric shock, do not remove disassemble the search light as there are no user serviceable parts inside.

If you require additional support for the installation or use of this search light please contact us via email at info@kjm-holdings.com

FEATURES

- LED lighting
- 360 degree Unlimited Rotation
- 120 degree Tilt

- Slow and fast rotation speeds
- Wired Remote Control with 19' of cable
- UV Ray and Saltwater Resistant

IN THE BOX

SL100 Searchlight

Routing Cable and Power and remote wiring harness

Stainless Steel Mounting Hardware

Remote control

Rubber Gasket

Installation and Operating Guide

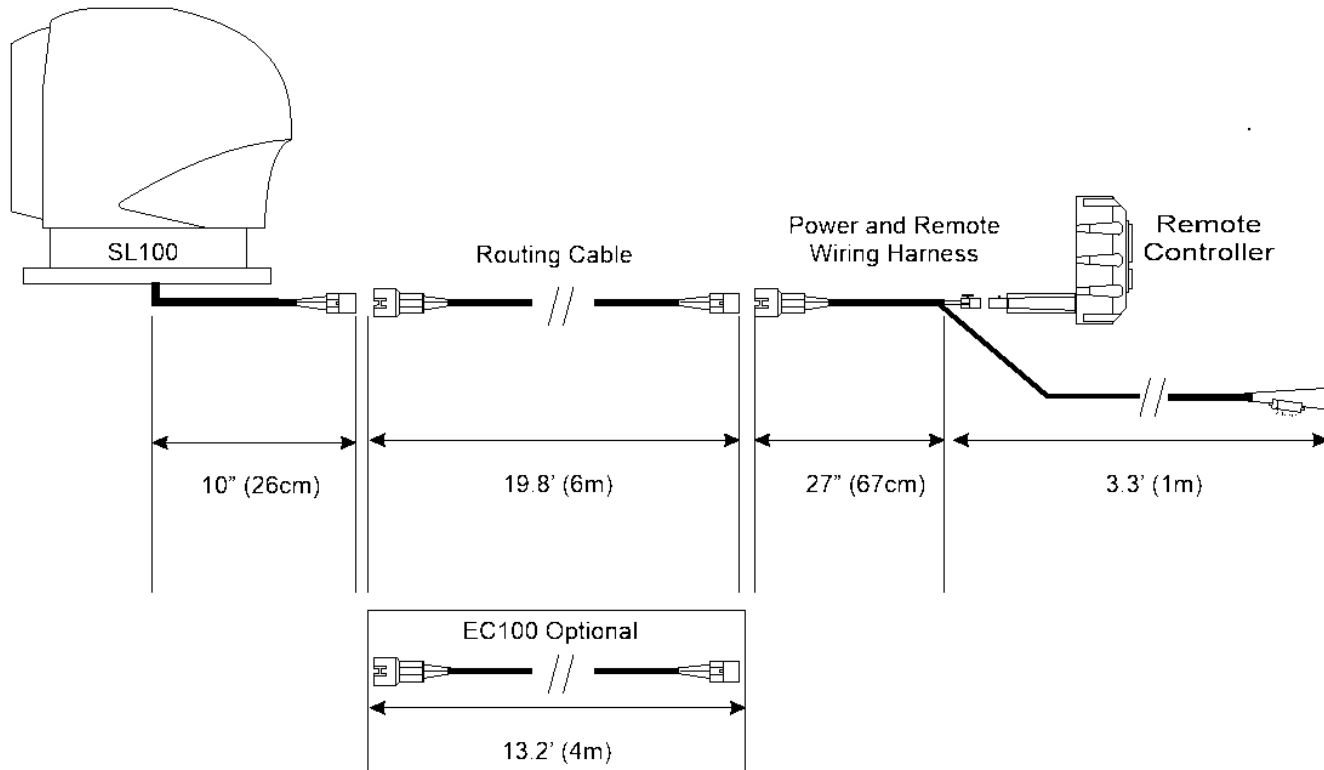## ACCESSORIES

EC100 – 13' (4 M) Controller Extension Cable

PLANNING

The SL100 Searchlight is supplied with a 10" cable and a waterproof plug pre-installed. This allows the searchlight to be easily removed without cutting wires. One 19' Extension Cable with pre-installed waterproof connectors and a power and remote harness is supplied
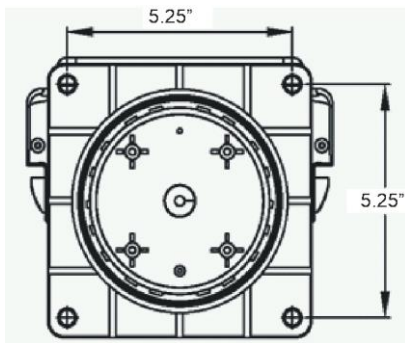
Note:
a. If the connectors on the 19' extension cable are too large to run through the vessel, the cable may be cut and spliced (wire color to wire color) by using heat shrink type butt connectors, or soldering and heat shrink.
b. If the supplied Routing Cable will not reach from the SL100 to the Remote Control, optional 13' (EC100) Extension Cables are available. The Routing cable may be extended up to 100 feet using 12 or larger gauge cable.
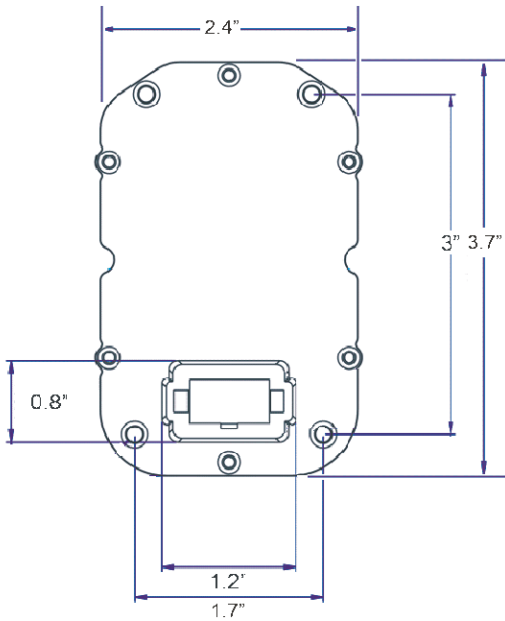

The SL100 is capable of being connected to 12 or 24VDC. Current draw: Approximately 2.3A at 12 VDC / 1.2A at 24VDC

MOUNTING THE SEARCHLIGHT

1. Find a location on the deck or radar arch with suffecient strength (SL100 weight - 4.2 pounds) to hold the search light in place.
2. Using the SL100 Rubber Gasket as a template and a pencil/pen, mark the 4 mounting screw holes.
3. Mark a dead center point between the 4 mounting base screws for the power and controller cable.
4. Drill the four holes using 3/8"(9mm) for the search light base power and controller cable how using a 1" (25mm) hole saw.
5. Install the rubber gasket onto the searchlight.
6. Carefully feed the SL100 cable through the 1" hole and attached the base with 4 mounting bolts, carefully so not to pinch the power and controller cables.
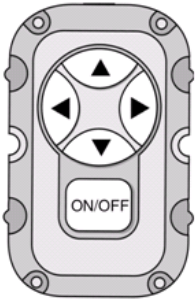
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MOUNTING THE REMOTE CONTROL

Note:The remote control is waterproof and may be mounted in a exposed location. However it is recommended to protect the remote from water when not in use.
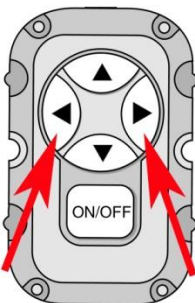
1. Find a location large enough to mount the remote controller
2. Using the remote as a template and the dimension image and mark the screw holes and cable cutout location.
3. Drill 4 pilot holes and cut out a 1.2"W x 0.80 hole as shown in the drawing.
4. Connect the cable to the remote controller and attached the controller with 4 stainless wood screws carefully so not to pinch the controller cable.

OPERATION

Press UP/Down or Left/Right keys to move rotate the searchlight.

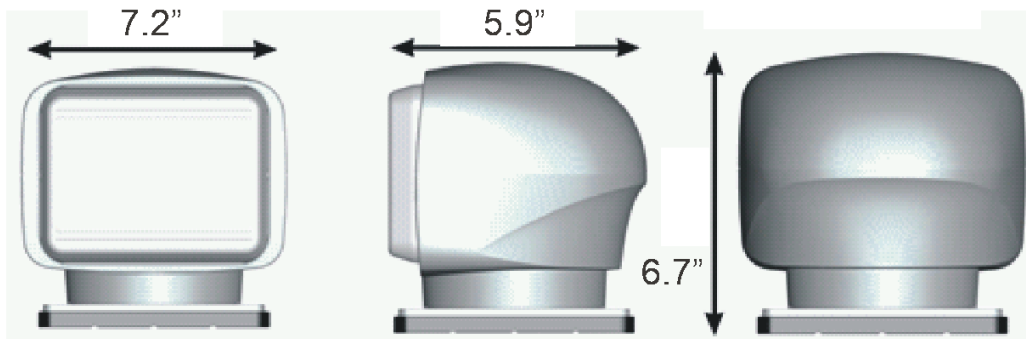Press the ON/OFF key will turn the search light beam on or off.

DUAL SPEED

After pressing the ON/OFF button, press and hold the Left and Right buttons simultanously until

The backlight changes.

Red LED illumination: Fast speed mode

Blue LED illumination: Slow speed mode

SPECIFICATIONS

Beam Angle	3° vertical 4.8° horizontal	Lamp Type	8 High Intensity Cree LED's
Brightness (Candela)	212,000	Rotation Speed	20° per sec (high) / 10° per sec (low)
Continuous Rotation	Yes	Size	7.2"W x 6.7"H x 5.9"D
Elevation Angle	120° total - 60° up/down	Mounting Base	6" Square
Elevation Speed	17° per sec (high) / 9° per sec (low)	Speeds	Two
Input Voltage	12 and 24VDC	Weight	4.2 Pounds
Lamp Rated Life	50,000	Plastic Housing	ASA Resin

FCC STATEMENT

NOTE: This equipment has been tested and found to comply with the limits for a Class "A" digital device, pursuant to Part15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the users will be required to correct the interference at their own expense.

LIMITATION OF LIABILITY

- This publication is provided "AS IS" without warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for any particular purpose, or non-infringement of the third parties right.
- This publication could include technical inaccuracies or typographical errors. Change are added to the information herein, at any time, for the improvements of the publication and/o the corresponding product(s).

WARRANTY / CONTACT

KJM warrants its products to be free of defects in materials and workmanship for 2years. KJM's obligation under this warranty is limited to repair or replace defective products. No material will be repaired or replaced without written authorization from KJM. Repair or replacement will be made only after an examination indicates defective material or workmanship at time of manufacture. KJM is in no event liable for consequential damages, installation costs or other costs of any nature incurred as a result of the use of the products manufactured by KJM, whether used in accordance with instructions or not. All shipping costs on returned material are the responsibility of the purchaser. KJM is not liable for repair or replacement of any product damaged by lightning, other natural phenomena or incorrect installation including reverse polarity connections. This warranty is in lieu of all others, either expressed or implied. Proof of purchase is required.

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