

luminell®
 Light-Masters

CL38IR



Description

With the CL38 searchlight as platform we integrate a thermal camera for improved night vision capacity. Very useful for navigation and searching as well for security or surveillance means.

The thermal night vision camera is placed in a robust housing on an internal special tilt unit. This means that the camera always follows the searchlight horizontal movement from the joystick though limited tilt.

The CL38IR is a robust searchlight with a proven design. Based on powerful HMI- and FLIR technology, targeting the professional customers that meet the harsh marine conditions, with a minimum of maintenance maximizing your time in operation. The perfect match when a high performing and versatile system for visibility is needed.

Though the Luminell searchlight technology seems relatively new to the market our concept is proven for over 20 years and is highly appreciated among mariners all over the world.

For light and mechanical features please see CL38. Here concentrating on the Camera details.

- A proven robust and functional design
- Maintenance free
- Heated front window
- Uncooled Thermal imager
- High temperature resolution <30mK
- 640×512 resolution
- 9Hz
- 30Hz as optional
- Field of View 25°x20°
- Zoom 2x, 4x
- Palette options

Please note that Export restrictions apply.

Technical specifications

Technology

-Dual Head Searchlight with endless rotation in both pan und tilt. -HMI high performing light source with adjustable beam focus. -FLIR Infrared Camera for night vision. -Remote control and ready for integration.

Input power

100-240VAC, 50/60Hz Maximum Power Draw - 2000W

Body material and colour

Acid proof stainless steel 316L, powder coated in RAL9016

Optics

FLIR Tau2 640, <30mK / 9Hz (30Hz as optional) 25mm Lens Heated window

Performance (typical)

Man size object: Detection approx. 820 m Recognition approx. 210 m Identification approx. 104 m
Truck size object: Detection approx. 2,2 km Recognition approx. 580 m Identification approx. 290 m

Palette options

FLIR standard

Zoom settings

Digital 1x, 2x, 4x

Field of View FoV

25°x20°

Video formats

Analog: 640×480 (NTSC) 640×512 (PAL) Digital with Video Encoder (Accessory)

Others

For a working searchlight system also choose: -Ebox, for AC. -Cable lengths of mandatory cables, Power-/signal- and Video cables. -Operator panel and other accessories



Authorized Distributor:
Pacific Marine & Industrial
www.pacificmarine.net
info@pacificmarine.net

Illustrations

Build your searchlight system / CL25/35/38

Required Items to build a working searchlight system



Searchlight model

- Standing or Upside/Down
- IR thermal camera
- UV filter

Cables

Power and Signal cable
2m, 7m, 15m or 30m

Video Cable (for IR thermal camera)
10m, 20m or 40m

Cables connected from factory

Power supply

100-240VAC



Accessories

Control system



- Number of operator panels
- Ethernet switch
- Integration features
- Control cable Ethernet

Images

