

ColorLight



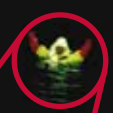
For quicker Search and Rescue operations in poor visibility conditions

The ColorLight searchlight is unique in that it is dual-headed offering both halogen/HMI and UV (ultra-violet) lights in one unit. Although halogen/HMI lights are sufficient during normal darkness and clear conditions, the UV light has definite advantages during difficult conditions such as rain, fog, snow, sea mist and darkness, as the invisible UV beams can cut through such obstacles more effectively and make fluorescent objects glow and return visible light.

Many modern life jackets are manufactured from fluorescent fabrics. Light-coloured clothing is in many cases containing fluorescent pigment, by nature or from optical whiteners from detergents. Also various marking signs and the like for boats are using fluorescent materials as it also increases visibility in daylight from UV-beams of the sun. In a rescue operation using the UV-light one avoids dazzling the other rescue members, reducing their ability to see in the dark.

At best the ColorLight concept may contribute to shorten the search and rescue operation, saving suffering and maybe lives. It is also an important safety device for the own crew.

With a ColorLight installed you will see the difference!



For excellence in
Safety at Sea



**Seatrade
AWARDS**

2003



The Remarkable Black Light (UV)

The ultraviolet light has a shorter wavelength than ordinary light and is not visible to the human eye. When the UV-beams hit fluorescent pigment a visible light is created and returned. Many modern life jackets are made from fluorescent fabrics. Working cloth onboard nowadays keeps fluorescent parts integrated in the design. More and more seamarks are coated by fluorescent pigment as it also enhances the visibility in daylight from the UV-beams of the sun. The UV-beams have definite advantages during difficult conditions such as darkness, rain, fog, snow and sea mist as they can cut through such obstacles more effectively. The white light becomes rather poor as you cannot see behind the reflections eventually creating a white wall. The ColorLight UV is operated in the UVA wavelength area.

In situations where you really need to see in dark, the UV-light helps out, as it does not dazzle the rescue team members.

At best the ColorLight UV-concept may contribute to shortening the search and rescue operation.



The Extraordinary White Light

The high performing white light developed by ColorLight is based on the latest technology regarding Halogen/HMI in combination with specially designed parabolic reflectors with myriad angled steps, similar to a Fresnel lens. The result is probably the sharpest white light available in the market for marine applications. The distances, the light values and the light areas are highly appreciated by many mariners at sea. The ColorLight concept of course allows the beams to be separately operated from spot to flood by the remote control.



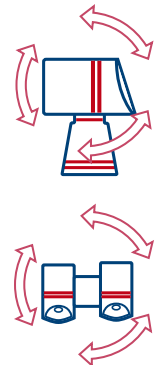
The searchlight can be equipped with two white lights, one white light in combination with black light or two black lights.

In search and rescue operations, the result is dependent on safe and easy to handle equipment. ColorLight provides a searchlight easily operated with a remote control and performing an extraordinary white light. Light distance, light value and light area are appreciated features by many crews onboard SARs.

The Unlimited Movement

The ColorLight concept features a dual-headed construction allowing unlimited movements, vertically and horizontally at the same time. Thus you can by remote control direct the searchlight anywhere without any limitations. This flexibility adds value to many marine applications. Strong electrical motors in combination with patented technical solutions is providing safe operations. The white light sweeps the water in a visible way. When using the black light an indicator is needed to keep track of the position of the searchlight.

The unlimited movement was one of the first requirements expressed by SAR crews when our concept was developed and is now established as a highly appreciated feature from ColorLight.



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Basic Product Range

Model	Effect	Light source	Range*	Light angles	Weight, kg
CL02-11 ○○	250W/250W	Halogen/Halogen	2000m/2000m	4-20/4-20	23
CL02-12 ●○	250W/250W	UV/Halogen	800m/1000m	4-15/4-20	23
CL02-22 ●●	250W/250W	UV/UV	800m/800m	4-15/4-15	23
CL03-11 ○○	575W/575W	HMI/HMI	4000m/4000m	3-20/3-20	80
CL03-12 ●○	500W/575W	UV/HMI	1400m/2000m	4-15/3-20	80
CL03-22 ●●	500W/500W	UV/UV	1400m/1400m	4-15/4-15	80
CL04-02 ●	250W	UV	800m	4-15	8
Remote Control	-	-	-	-	-
Wireless Control	-	-	-	-	-
Electronic Box	-	-	-	-	3-25

Voltages available: 24V, 110V, 230V. 50/60 Hz

Cases made from acid proof stainless steel. Built to meet IP66.

* 1 lux at the target. Theoretical calculation for UV.

ColorLight

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