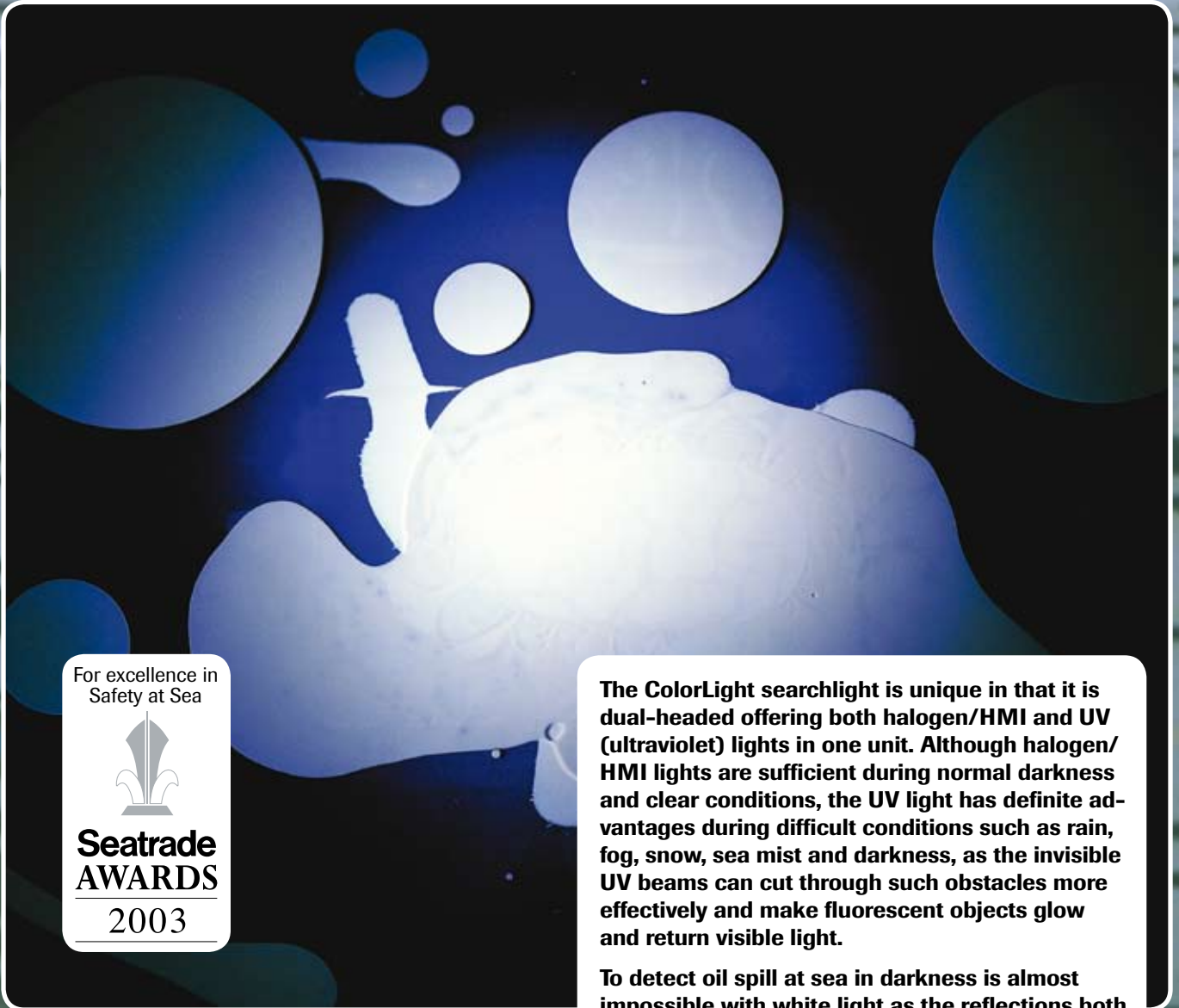


# ColorLight



## For reduced oil spill damages with black light

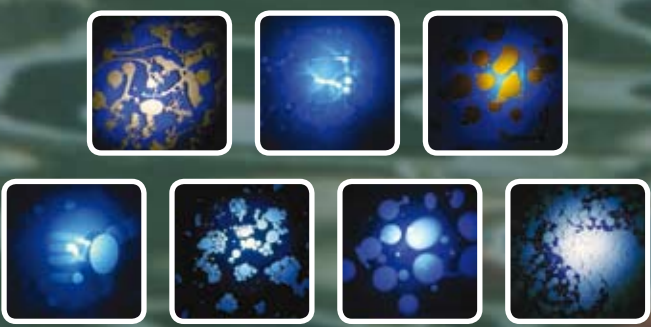


The ColorLight searchlight is unique in that it is dual-headed offering both halogen/HMI and UV (ultraviolet) lights in one unit. Although halogen/HMI lights are sufficient during normal darkness and clear conditions, the UV light has definite advantages during difficult conditions such as rain, fog, 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.

To detect oil spill at sea in darkness is almost impossible with white light as the reflections both from the water and the oil slick are disturbing.

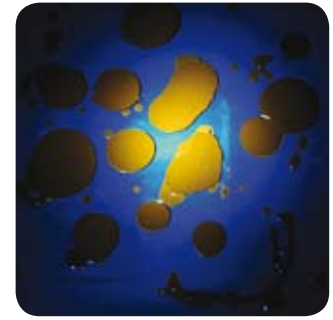
80 % of oil products are said to contain hydrocarbons making them fluorescent by nature. When lit by UV they change colour, in many cases distinctively separating them from the black water. Thus the slick can be located and guarded when boomed in. The elimination can at best go quicker thus reducing the damage to the environment.

With a ColorLight installed you will see the difference!



## The Remarkable Black Light (UV)

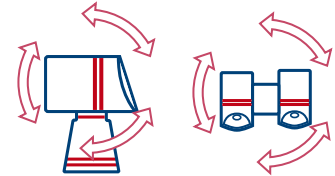
The ultraviolet light has a shorter wavelength than ordinary light and is not visible to the human eye. When the UV-beams hit fluorescent pigment a visible light is created and returned. 80 % of oil products are said to contain hydrocarbons making them fluorescent. The UV-beams have definite advantages also during difficult conditions such as darkness, rain, fog, sea mist and snow 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.



## 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 a 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.

To locate and keep track of oil slicks trying to escape can be a big problem. If oil slicks with fluorescent features are to be handled, the ColorLight concept can help reduce the time and costs of elimination and at best save important environmental values. The remote controlled searchlight will help the rescue teams to achieve better results.



## 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.

Although the white light has its limitations in oil spill missions there are of course situations when high performing white light will play an important role. The ColorLight concept features many advantages.

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



**With a ColorLight installed you will see the difference!**

## 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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