

CL25



The Future Searchlight Solution

- a valuable, versatile concept for visibility in rough marine environments



- Extraordinary sharp white light
- Combinations with UV-light
- Unlimited movements
- Smart remote control
- Wireless remote control
- Ethernet control system
- Improved electrical motors
- Practical service hatches
- Acid proof stainless steel
- Step less speed control
- Automatic sweeping
- Position indicator
- Optional parking positions
- Multiple fixed positions
- Focusing in each lamp house
- Alerting system in display
- Check list for malfunctions
- Language selections in display
- Dimming of display
- Controlling I/O available
- Open to future functions



MODEL RANGE

TYPE	MODEL	SOURCE	RANGE
Dual White	CL25-11 ○○	HMI/HMI	3000 m
Combination White/UV	CL25-12 (or CL25-21) ○● (●○)	HMI/UV	2000 m/1000 m
Dual UV	CL25-22 ●●	UV/UV	1500 m
Daytime camera module	Suffix -1 on above	Optional	Optional
IR-camera module	Suffix -2 on above	Optional	Optional

PERFORMANCE

LIGHT	
Technology	Metal Halide
Light source	2 x 400 W HMI
Color Temp (white light)	6000 K
CRI (white light)	> 90 Ra
Luminous flux (CL25-11)	66 000 lm
Light intensity (CL25-11)	10,7 M candela
Range (CL25-11)	3000 m (1 lux @ 50 m diameter)
Beam width	4-20 deg
Firefighting (CL25-11)	250 m (50-170 lux @ 14 m diameter)

MECHANICAL	
Technology	Slipring. Brushless digital controlled servo motors
Horizontal movement	Unlimited movement
Vertical movement	Unlimited movement
Speed both axis	Stepless 0 - 33 deg/sec

FUNCTIONS

STANDARD DIRECT CONTROLLED	STANDARD MENU CONTROLLED	STANDARD PACK 1	OPTIONAL PACK 2	OPTIONAL PACK 3
Light on/off	System activation	Position indicator	Auto sweeping	Synchronized control
Focus (adjustable)	Parking mode	Language version	Fixed position	
Rotation speed, stepless	User settings		Surveillance	
	System information			

OPTIONAL HARDWARE

Wireless radio control • Thermal camera unit (not for retrofitting) • Daylight camera unit (not for retrofitting) • Extra remote panel (s) • External power supply for panel (s) • Ethernet switch, 5 port and 8 port • Upside-down installation • Absolute focus (not for retrofitting) • Fiber optic control cable • Customized color • Wet paint (AWL grip or similar) • Polished stainless • Customization upon request

TECHNICAL DATA

Power consumption	1070 W (max load)	Ballast	No external ballast
Power consumption	4,7 A @ 230 VAC (max load)	CAN bus cable	3x2x0,75 shielded, twisted pair
Heat load (ebox)	15 W / 85 W (standby/max load)	Power cable	5 G 1,5 shielded
Reflector size	2 x dia 210 mm	OP3G cable	Ethernet CAT5-FTP Fiber optic available for long distance
Bulb life	650 hours	Serial cable	RS485/RS232 Optional. ICD for external control available

	SEARCHLIGHT BODY	EBOX	OPERATOR PANEL
Weight (kg)	30	17	0,5
Static size (cm)	42x75x53 cm*	40x30x21 cm*	13x9x6 cm*
Material	Acid proof stainless steel 1.4401	Coated steel	Anodized aluminum / ABS
Paint	Powder coat white RAL 9016	Powder coat grey RAL 7035	Anodized black
IP-class	IP66	IP22	IP54
Operating temp range	-40/+70 Celsius	+5/+60 Celsius	-20/+70 Celsius
Input power	Feeded from e-box	100-240 VAC 50/60 Hz	9 - 28 VDC (max 200 mA @ 24 V)

* See drawing for detailed info.



ColorLight AB sets a new standard for enhanced visibility at sea. With a mission to reduce the life time cost for the owners and improve functionality for the users - the ColorLight Visibility solutions offers the market infinite visibility, versatility and value. Visible light, Ultraviolet light, optical and thermal visibility in a platform prepared for navigation system integration supports future demands for S&R, Navigation, Oil Spill Detection and Anti Piracy.

We are located on the west coast of Sweden, very close to the pleasant town of Halmstad.

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