

# CL38



## The Future Searchlight Solution

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



- Extraordinary sharp white 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	CL38-11 ○○	HMI/HMI	6000 m

PERFORMANCE

LIGHT		MECHANICAL	
Technology	Metal Halide	Technology	Slipring. Brushless digital controlled servo motors
Light source	2 x 800 W HMI	Horizontal movement	Unlimited movement
Color Temp (white light)	6000 K	Vertical movement	Unlimited movement
CRI (white light)	> 90 Ra	Speed both axis	Stepless 0 - 20 deg/sec
Luminous flux (CL38-11)	130 000 lm		
Light intensity (CL38-11)	38,1 M candela		
Range (CL38-11)	6000 m (1 lux)		
Beam width	3-20 deg		
Firefighting (CL38-11)	250 m (50-230 lux @ 12 m diameter)		

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	2000 W (max load)	Ballast	No external ballast
Power consumption	8,7 A (max load)	CAN bus cable	3x2x 1 shielded, twisted pair
Heat load (ebox)	19 W / 160 W (standby/max load)	Power cable	5 G 1,5 shielded
Reflector size	2 x dia 410 mm	OP3G cable	Ethernet CAT5-FTP Fiber optic available for long distance
Bulb life	1 000 hours	Serial cable	RS485/RS232 Optional. ICD for external control available

	SEARCHLIGHT BODY	EBOX	OPERATOR PANEL
Weight (kg)	80	17	0,5
Static size (cm)	67x113x75 cm*	40x31x12 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	IP56
Operating temp range	-40/+70 Celsius	+5/+55 Celsius	-20/+ 55 Celsius
Input power	Feeded from e-box	100-240 VAC 50/60 Hz	9-28 VDC (max 200 mA @ 24V)

\* See drawing for detailed info .



ColorLight AB is a provider of professional searchlights for the global maritime market, challenging the traditional solutions with new and better solutions.

With a high level of service and with an open mind approach for every project our mission is to reduce life time cost for the owner and improve visibility and functionality for the user.

Simply - Improving Light at Sea.

We are located in Halmstad on the west coast of Sweden.

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