

# CL35



## 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	CL35-11 ○○	HMI/HMI	5300 m
Combination White/UV	CL35-12 (or CL35-21) ○● ●○	HMI/UV	3500 m/1200 m
Dual UV	CL35-22 ●●	UV/UV	1700 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 575 W HMI
Color Temp (white light)	6000 K
CRI (white light)	> 90 Ra
Luminous flux (CL35-11)	98 000 lm
Light intensity (CL35-11)	28,7 M candela
Range (CL35-11)	5300 m (1 lux)
Beam width	3-20 deg
Firefighting (CL35-11)	250 m (50-230 lux @ 12 m diameter)

MECHANICAL	
Technology	Slipring. Brushless digital controlled servo motors
Horizontal movement	Unlimited movement
Vertical movement	Unlimited movement
Speed both axis	Stepless 0 - 20 deg/sec

## FUNCTIONS

STANDARD DIRECT CONTROLLED
Light on/off
Focus (adjustable)
Rotation speed, stepless

STANDARD MENU CONTROLLED
System activation
Parking mode
User settings
System information

STANDARD PACK 1
Position indicator
Language version

OPTIONAL PACK 2
Auto sweeping
Fixed position
Surveillance

OPTIONAL PACK 3
Synchronized control

## 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	1460 W (max load)
Power consumption	6,5 A (max load)
Heat load (ebox)	19 W / 120 W (standby/max load)
Reflector size	2 x dia 410 mm
Bulb life	1 000 hours

Ballast	No external ballast
CAN bus cable	3x2x 1 shielded, twisted pair
Power cable	5 G 1,5 shielded
OP3G cable	Ethernet CAT5-FTP Fiber optic available for long distance
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.

Color Light AB

Seldonsvägen 8

SE-302 62 Halmstad

Sweden

Phone: +46 35 38280

Fax: +46 35 38279

www.colorlight.com

e-mail: sales@colorlight.com



Distributed by:

Luminell AS  
Myrabakken Næringsssenter - Bygg 2  
6010 Ålesund  
NORWAY

www.luminell.com  
Tel: (+47) 70 10 10 70, sales@luminell.com

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Light Matters