

WARNING AND INFORMATION LIGHT COLUMN



SPECIFICATIONS

DESCRIPTION

Application

The light column is particularly created to relay visual and sound information which are destined to the crew in noisy environments. It has to be installed in engine room and crew's quarter in order to inform safety boat responsible persons.

Advantages

- Easy to install, horizontal and vertical assembling, visibility on both sides
- Choice of pictograms number
- Reduced dimensions
- LEDs' application ; increase average lifetime of the product (> 25 000 h), reduction of energy consumption

Mechanical characteristics

References

- | | |
|---|-------------------|
| • 4 lines only : | ref. CL09 4V |
| • 4 lines with flashing lights and sirens : | ref. CL09 4V 2F2S |
| • 5 lines only : | ref. CL09 5V |
| • 5 lines with flashing lights and sirens : | ref. CL09 5V 2F2S |

- | | |
|---|-------------------|
| • 6 lines only : | ref. CL09 6V |
| • 6 lines with flashing lights and sirens : | ref. CL09 6V 2F2S |
| • 7 lines only : | ref. CL09 7V |
| • 7 lines with flashing lights and sirens : | ref. CL09 7V 2F2S |

Material

- | | |
|--|--------------------|
| • profile : | extruded aluminium |
| • flashing lights and sirens sheet stand : | transparent PMMA |
| • beacon : | transparent PMMA |
| • flashes and horns : | polycarbonate |
| • junction box : | polycarbonate |

Maximal temperature

- | | |
|---------------------------|-------|
| • operating temperature : | +55°C |
| • storage temperature : | +70°C |

Indication of protection

- | | |
|-------------------|------------|
| • joint box : | IP66, IK08 |
| • conduit gland : | IP 68 |

Dimensions (LxlxH)

- | | |
|------------------|-----------------|
| • CL09 4V : | 559x204x75 mm |
| • CL09 4V 2FS : | 631x204x125 mm |
| • CL09 5V : | 664x204x75 mm |
| • CL09 5V 2F2S : | 846x204x125 mm |
| • CL09 6V : | 769x204x75 mm |
| • CL09 6V 2F2S : | 951x204x125 mm |
| • CL09 7V : | 874x204x75 mm |
| • CL09 7V 2FS : | 1056x204x125 mm |

Weight

- | | |
|------------------|---------|
| • CL09 4V : | 3.50 kg |
| • CL09 4V 2F2S : | 3.75 kg |
| • CL09 5V : | 3.75 kg |
| • CL09 5V 2F2S : | 4.00 kg |
| • CL09 6V : | 4.00 kg |
| • CL09 6V 2F2S : | 4.25 kg |
| • CL09 7V : | 4.25 kg |
| • CL09 7V 2F2S : | 4.50 kg |

Electrical characteristics

Power supply : 24 VDC, -25% +30%

Maximal consumption

• CL09 4V :	190 mA, < 5 W
• CL09 4V 2FS :	330 mA, 8 W
• CL09 5V :	320 mA, < 8 W
• CL09 5V 2F2S :	460 mA, 11 W
• CL09 6V :	450 mA, < 11 W
• CL09 6V 2F2S :	590 mA, 14 W
• CL09 7V :	580 mA, <14 W
• CL09 7V 2FS :	720 mA, 17 W

Pictograms depending on model

- **CL09 4V** : 4 pictograms
- **CL09 4V 2FS** : 4 pictograms + 2 flashing lights and sirens
- **CL09 5V** : 5 pictograms
- **CL09 5V 2F2S** : 5 pictograms + 2 flashing lights and sirens
- **CL09 6V** : 6 pictograms
- **CL09 6V 2F2S** : 6 pictograms + 2 flashing lights and sirens
- **CL09 7V** : 7 pictograms
- **CL09 7V 2FS** : 7 pictograms + 2 flashing lights and sirens

Main pictograms and flashing lights/sirens characteristics :

- « **General alarm** » : lights up green by N.O* input.
- « **Fire alarm** » : lights up red by N.O input.
- « **Spray** » : lights up red by N.O input.
- « **Machinery alarm** » : lights up orange by N.O input.
- « **Telephone** » : lights up white by N.O input.
- « **Telegraph** » : lights up white by N.O input.
- « **Engineer call** » : lights up white by N.O input.
- « **Red flash** » : lights up by N.O input.
- « **Yellow flash** » : lights up by N.O input.
- « **Tone 1 horn** » : lights up by N.O input.
- « **Tone 2 horn** » : lights up by N.O input.

*N.O input : normally open dry contact input

⚠ Factory setting : pictograms colour order is like presented above (green, red, red, ...). For other pictogram or colour, please, consult us.

Electrical connecting

- Input by conduit gland PG13 located on the joint box.
- Maximal terminal board section : 1 mm²

Various

Sound device

- Tone 1 (adjustable) : continuous 950 Hz by default (101 dB at 1 m)
- Tone 2 (adjustable) : continuous 2 250 Hz by default (101 dB at 1 m)

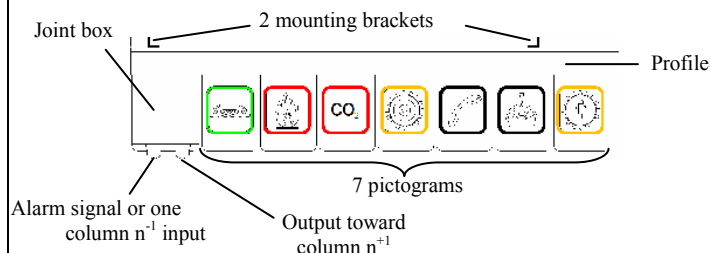
⚠ To respect IMO A686 (17) resolution, it is imperative choosing tones which have frequency between 200 Hz et 2 500 Hz

Luminous device

- By LED high brightness Red Green Blue (RGB) for beacons
- By red and yellow flashing lights

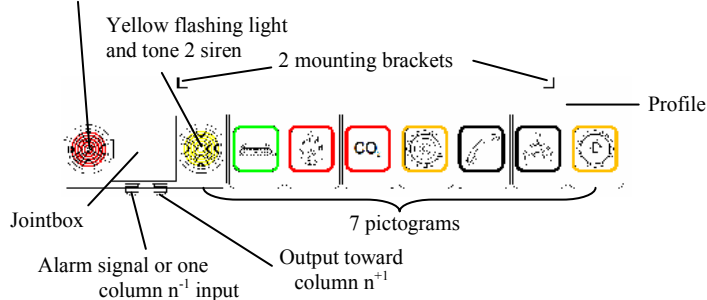
Extract of the light column presentation

CL09 7V



CL09 7V 2FS

Red flashing light and tone 1 siren



Regulation

The light column complies with :

- IMO A686 (17) resolution,
- IMO A830 (19) resolution,
- Rules for the Classification of Steel Ships (2006), BUREAU VERITAS approval in progress.

Principle of light column connecting

