clampco sistemi
LIGHTING ▪ ENGINEERING ▪ SOLUTIONS

LIOLA-E1_22D, LIOLA-E1_23D

Explosion Proof Double Low Intensity Obstruction Light

PHOTOMETRIC STANDARD COMPLIANCE

ICAO ANNEX 14, VOLUME I
TYPE A - LOW INTENSITY OBSTACLE LIGHT
CAP 168 – LOW INTENSITY GROUP A

CAA-CAP 168
GROUP A - LOW INTENSITY OBSTACLE LIGHT

KEY FEATURES & BENEFITS

- designed and manufactured in Italy by Clampco Sistemi
- easy way for mounting – plug 'n' play connection
- innovative single LED layer for a double light
- extended power supply range:

  10 to 60 Vdc

  110-230 Vac
- suitable for signaling:
  flares
  chimneys
  oil & Gas derricks
  cranes
  off shore infrastructures

SPECIFICATIONS

Order Code	**LIOLA-E1_22D**	**LIOLA-E1_23D**
Typical use	Night time	
Light source	LED	
Type of beacon	Double (main + stand-by) steady	
Alarm Management	Alarm remotization with dry contact	
Colour	Red according to CIE Chromaticity Boundary	
Light Intensity	>10 cd	
Horizontal coverage	360°	
Input voltage	10 ÷ 60 Vdc	110 ÷ 230 Vac
Power consumption	2.6 + 2.6 W*	3 + 3 W*
Average life	100 000 hours	
Temperature range	-20 to +60 °C	
Protection degree	IP66	
Material of the body	Die cast aluminum alloy copper free	
Material of the transparent cap	Glass	
Connection	Barrier cable gland M20 nickel plated suitable for cable up to 19 mm	
Weight	6.5 Kg	
Mounting hardware	Stainless steel anchor basement	
Fixing	3x Stainless steel Hexagon head screws M10x40	
Explosion proof protection	II 2G Exd IIC T4 Gb	
ATEX	INERIS 01 ATEX 0054X and INERIS 08 ATEX 0018X	
IECEx	INE 13.0075X and INE 13.0060X	
Optional code	SM00334AS00 - Stainless steel radiation shield	

* Worst case consumption if for a minor fault both main and stand-by lights are working

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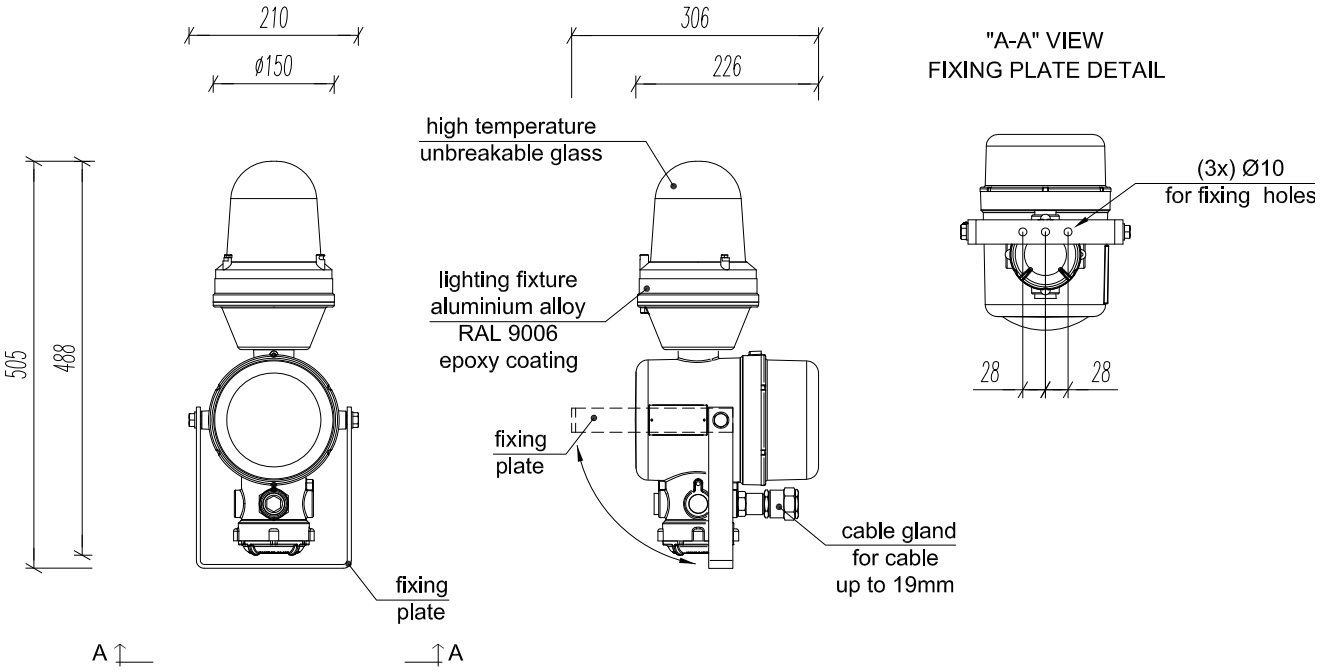
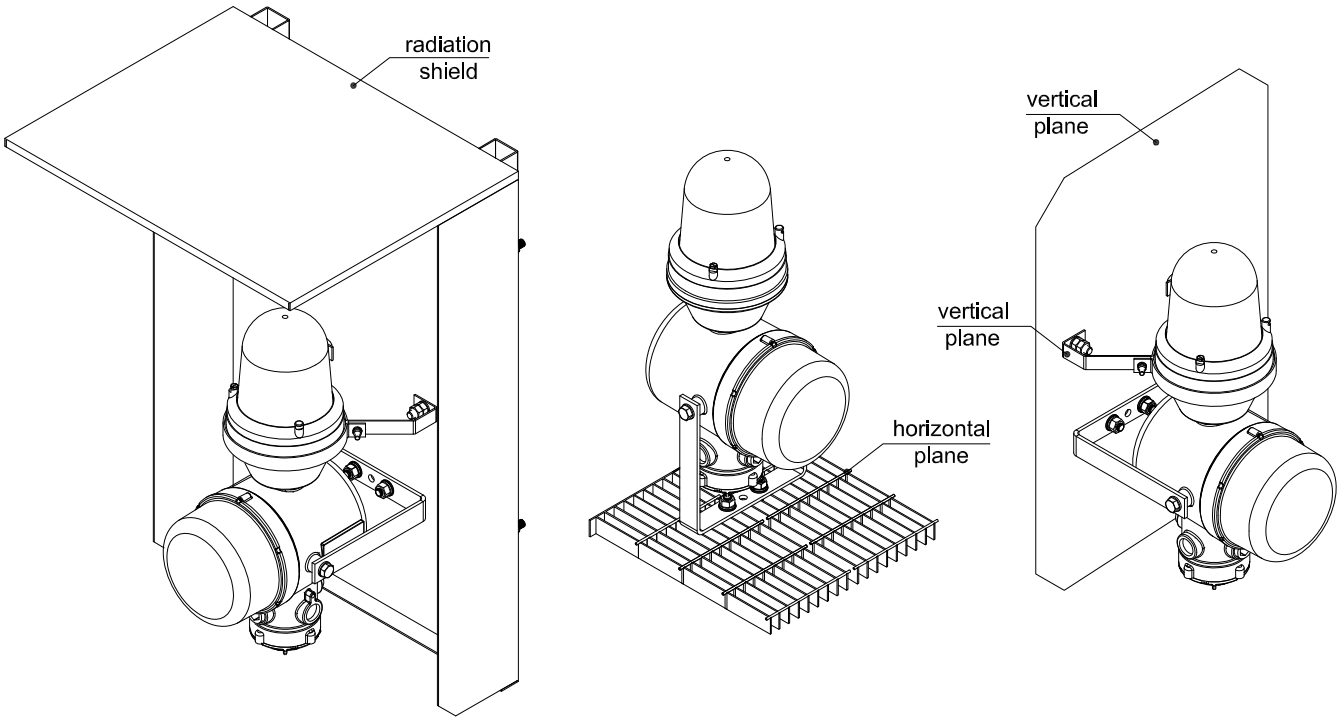
TECHNICAL DRAWINGS



FIXING EXAMPLES



clampco sistemi
LIGHTING ENGINEERING SOLUTIONS

SEQC8xxx1

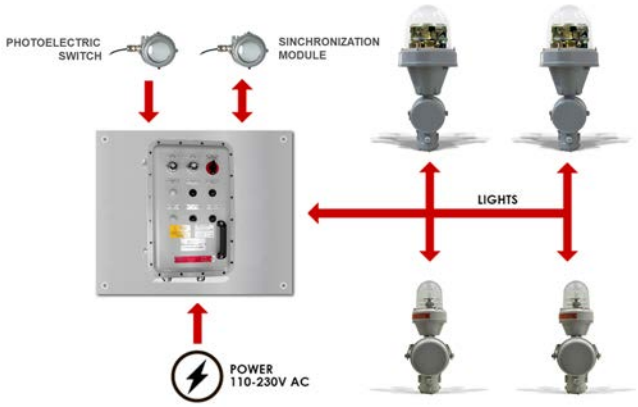
Control Board

KEY FEATURES & BENEFITS

Clampco Sistemi control boards operate the whole system, whatever the number of obstruction lights. The board has the following functions:

- protected power supply to obstruction lights and photoelectric switch
- electronic conversion from locally available mains to the AWLS operating voltage (the requested AC-DC, converter is installed inside the control board on a DIN rail)
- generation of visual alarms (front panel pilot lamps) and remote transmission of URGENT and NON URGENT alarms (COM, NC, No dry contacts on screw terminals)
- easy checking procedure of the whole system by means of front panel switches and buttons accessible to the operator
- the above functions are associated with special Clampco Sistemi 'plug-in' modules which are easy to replace without tools
- Synchronization of all the flashing obstruction lights in the system

FUNCTIONAL DIAGRAM



SPECIFICATIONS

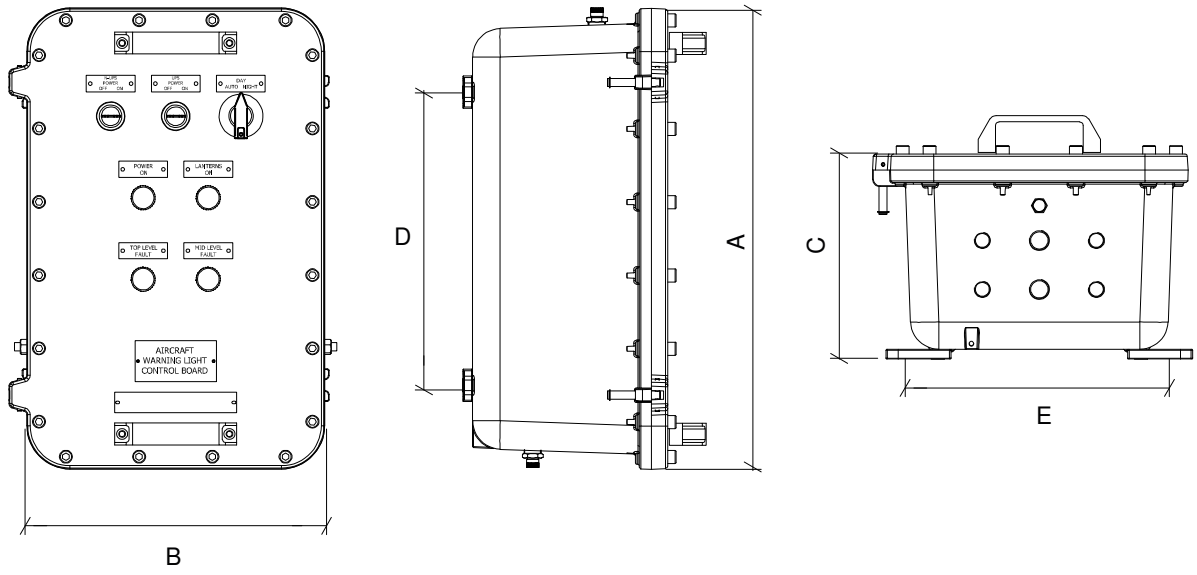
Order Code	**SEQC83xx1**	**SEQC88xx1**
Typical use	The name of the control board depends on Obstruction light's quantity	
Flashing rate	20-40 fpm (flash per minutes)	
Alarm Management	Alarm remotization as dry contact	
Input voltage	110 - 230 Vac (50-60 Hz)	
Output voltage	48 Vdc	110-230 Vac
Average power consumption	The power of the control board depends on Obstruction light's quantity	
Temperature range	from -20 °C to +60 °C	
Protection degree	IP66	
Material of the body	Die cast aluminum alloy copper free (RAL 9006)	
Connection	Barrier cable gland M20-M25 nickel plated suitable for cable up to 24 mm	
Weight/size	The weight of the control board depends on Obstruction light's quantity	
Optional mounting hardware	Galvanized steel canopy	
Fixing	4x Stainless steel Hexagon head screws M10x40	
Explosion proof protection	II 2G Exd IIB+H2 T4 Gb	
ATEX	BKI 11 ATEX 0018	
IECEx	IECEx BKI 11.0009	

SEQC8xxx1

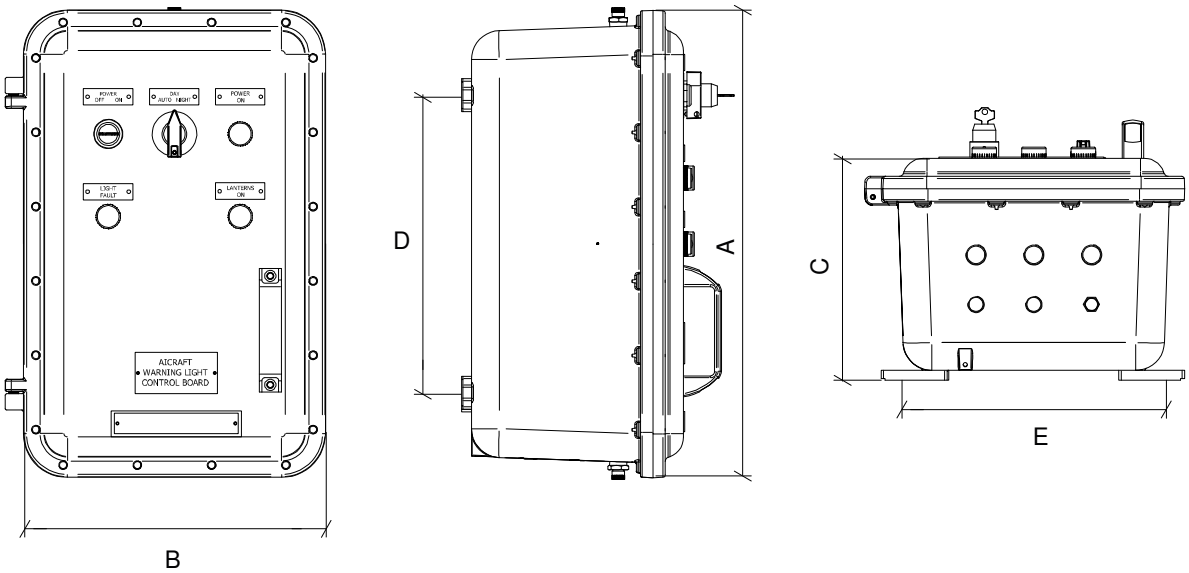
Control Board

TECHNICAL DRAWINGS

SEQC8xxxx enclosures (EJC31, EJC51, EJC61)



SEQC8xxxx enclosures (EJB31, EJB51, EJB61)



CODE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
EJC31	415	315	228	294	285
EJC51	566	366	240	360	347
EJC61	670	470	344	500	445
EJB31	415	315	250	294	288
EJB51	566	366	257	360	343
EJB61	670	470	360	500	437