Offshore Helicopter Hoist Light
CAP 437: Standards for Offshore Helicopter Landing Areas

CEL-MI-HHS-CAP437-AC-XX

Helicopter hoist status light is used to indicate to the helicopter operator that the turbine blades and nacelle are safely secured in position prior to helicopter hoist operations commencing. It is capable of displaying both Steady and Flashing (120FPM) green signal. The product offers unique features such as incorporated fault monitoring, photocell, GPS synchronisation, and it supports both stand-alone and Modbus operations as part of an Obelux aviation light system network.

Key features
- Day and Night modes can be set via I/O, RS-485 ModBus or SCADA
- Based on LED technology
- 750cd GREEN steady burning or flashing
- Supports both stand-alone and RS-485 Modbus operations
- Suitable for Offshore environment
- Built-in GPS synchronisation
- Built-in photocell
- Built-in cold climate version (CCV), temperature-controlled heater
- Built-in fault monitoring
- Dry contact alarm relay
- Visibility sensor luminous output levels 10%, 30% and 100%
- Hot start for radar-controlled systems
- Easy to chain (no need for junction box)
- Embedded Web Server
- Design lifetime more than 20 years
- 5-year warranty
- Option for 10-year warranty, the longest in the industry

Specifications met
- CAP 437 – Standards for Offshore Helicopter Landing Areas, Edition 8 December 2016 (Appendix J) Amendment 01/2018 September 2018
- ICAO Annex 14 Volume 1 Appendix 1, Colours aeronautical ground lights

Optical characteristics
- Colour aviation GREEN
- Steady and Flashing modes
- Flash rate 120FPM (duty cycle less than 50%)
- Horizontal beam 360°
- Vertical beam characteristics

Minimum Intensity	
2° to 10°	>10° to 90°
410 cd (Day)	16 cd (Day)
16 cd (Night)	3 cd (Night)
Maximum Intensity	
0° to 15°	>15° to 90°
750 cd (Day)	120 cd (Day)
60 cd (Night)	60 cd (Night)

Electrical characteristics - continued
- Operating voltage (AC): 100-240VAC, 50Hz / 60Hz
- Operating voltage (DC): 10-60VDC
- Flash rates: 120fpm (2Hz).
- Meets standards
  EMC (Emissions): EN 61000-6-4
  EMC (Immunity): EN 61000-6-2
- Power consumption for ICAO AC/DC versions (excluding CCV consumption)
  - 45W @ Day (GREEN, 120fpm)
- Recommended cables (Outdoor) for AC versions:
  - Power (L-N-PE): 3x1,5mm shielded 3x2,5mm
  - Power + Data/ Relay: 6 x1,5mm or 6x2,5mm shielded

Mechanical characteristics
- Anodised, marine grade aluminum body and end parts
- AISI 316 acid-proof stainless-steel screws
- Glass dome
- Degree of protection IP66
- Operating temperature range -40...+55°C
- Storage temperature range -40...+55°C
- Height 347mm, width 160mm
- Weight 4,3kg (without mounting set)
- Easy to chain via Data cable and via Power cable (no need for junction box)
- 2 x M25 (6-17mm) & 2 x M20 (6-12mm) cable glands

⚠ **OPERATING VOLTAGE**
230 VAC

CAUTION ! LED RADIATION
DO NOT STARE INTO LED BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. CLASS 2A LED PRODUCT

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Additional Factory-Installed Options
- 4 x Input and 4 x Output (IO)
- Ethernet Switch, 2 x fiber SC multimode Female, 2 x copper RJ45 (EF)
- 1 x Ethernet copper RJ45 (E)
- 10-year warranty

Optional Controller
- CP Series (Ethernet TCP/IP and RS-485 ModBus, AC or DC)
- CP-M1 Series (RS-485 ModBus, AC or DC)

Available mounting sets options

CEL-MS-MI-H01 & CEL-MI-H02 (290mm wide)
This mounting set includes
- 1 x Mounting Bracket
- 4 x M8 x A4 DIN933 Screws
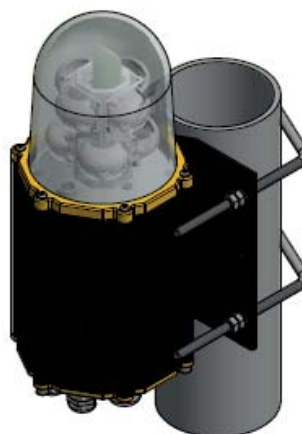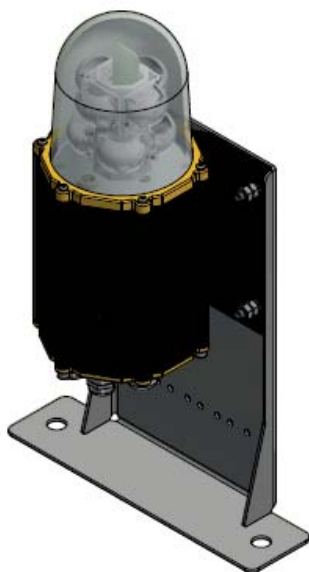- 4 x M8 A4 DIN125 Washers
- 8 x M8 a4 DIN934 Nuts

All fasteners are AISI316 acid-proof stainless steel

CEL-MS-MI-V01
This mounting set includes
- 2 x M8 U-bolts
- 8 x M8 A4 DIN934 Nuts
- 4 x M8 A4 DIN125 Washers

All fasteners are AISI316 acid-proof stainless steel

Order Codes

Order Code	Output	Specification	Operating Voltage	GPS Sych	CCV	Photocell	Alarm Relay	RS-485 Modbus
HHS-CAP437-AC-XX	3-750cd	CAP437	100-240VAC	Yes	Yes	Yes	Yes	Yes
HHS-CAP437-DC-XX	3-750cd	CAP437	10-60VDC	Yes	Yes	Yes	Yes	Yes

XX [-10]:
- {} = Without any factory installed option
- IO = Including 4 x Input and 4 x Output (IO) interfaces
- EF = Including Ethernet Switch, 2 x fiber SC multimode Female, 2 x copper RJ45 (EF)
- E = Including 1 x Ethernet copper RJ45
- -10 = 10yr warranty

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AVIATION LIGHTING