



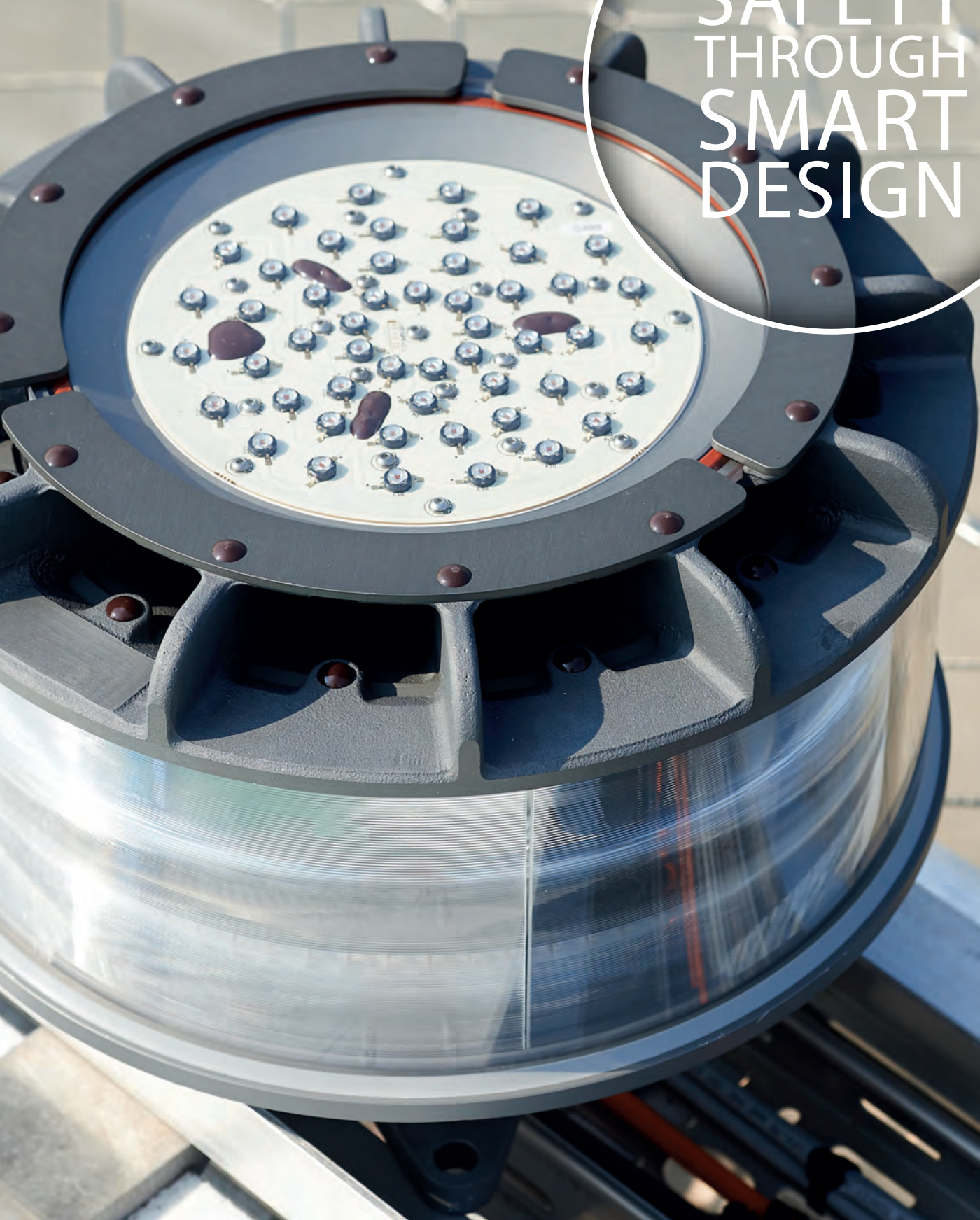
ILED Dorado Helideck Status Light

CAP 437 - ICAO ANNEX 14 VOL II. - IMO MODU



ILED Dorado Helideck Status Light

SAFETY
THROUGH
SMART
DESIGN



ILED Dorado Helideck Status Light

The purpose of the Helideck Status Light System is to warn a pilot of a condition that can be hazardous for the helicopter, its occupants, or others. In essence, the Status Light tells the pilot not to land on the helideck. Such hazardous conditions can be a gas release (the gas could cause the engine to stall, while the hot exhaust could ignite a flammable gas mixture with disastrous consequences.

As the Status Light System should not be activated during normal operating conditions, and the consequences of the system not operating properly when it is activated (by F&G alarm), it is paramount the system is as reliable as possible.

In addition to meeting all CAP437 mandated requirements, the Tideland Helideck Status Lights incorporate smart electronics which are in constant communication (including when the lantern is not activated) with the Tideland Status Light Control Panel. Thus, the system continually checks itself, foregoing the need of regular testing while ensuring the highest possible reliability; and contributing significantly to increased operational safety of the installation and allowing the crew to focus on the job at hand.

The housing is manufactured from AlMg(5)Si, a very corrosion resistant alloy - making the product extremely resistant to seawater. To further increase corrosion resistance the housing is hard anodized and finished with a Teflon coating. A special and unique thermal management system ensures that the cooling fins of the ILED Dorado provide for highly efficient cooling - even at high ambient temperatures. The Ex e mb method of protection, which consists of completely encapsulating all electronics, not only makes this fixture suitable for hazardous area (the fixture is certified for zone 1&21) but also protects it from corrosive environments.

The smart, innovative design, extremely low maintenance requirements and exceptional reliability and life expectancy of the Tideland Status Light System allow you to minimize costs while at the same time increasing operational helicopter safety.

Technical Details

Light source	LED
Luminous intensity	2 – 10° 700 cd min. 0 – 90° 176 cd min.
Luminous intensity dimmed	60 cd max.
Flash frequency	2 Hz
Average power	80 W
Light colour	Red
Ambient temperature	-40 °C up to +55 °C
Burning position	Base Down
(Re)ignition	Immediate
Voltage range	24 Vdc ± 10 %
IP Rating	IP66
Horizontal Emission	360°
IEC protection classes	Class 1
Lens	Toughened borosilicate glass
Housing	Marine Grade Aluminium Anodized
Weight of the light fitting	16 kg
Package weight per piece	17 kg
Package dimensions	447 x 384 x 400 mm LxWxH
Standard version	Ex e junction box with 3x M25 entries

Certificate Details

ATEX classification	Group II, Category 2, Gas and Dust
Area classification	Category 2 (Zone 1 and 21)
Certificate (IECEX)	IECEX SIR 11.0031X
Certificate (ATEX)	SIRA 11ATEX3053X
Marking	Ex II 2 G Ex e mb IIC T4 Gb Ex II 2 D Ex tb IIIC T135 Db IP66
CE	Yes
Accordinging regulations	ICAO Annex 14 Vol. II, CAA CAP 437 & IMO Modu code 2001
ABS Rules PDA Certificate	14-LD1100054C-PDA

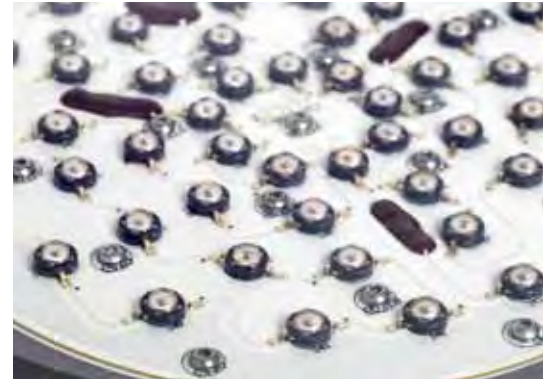
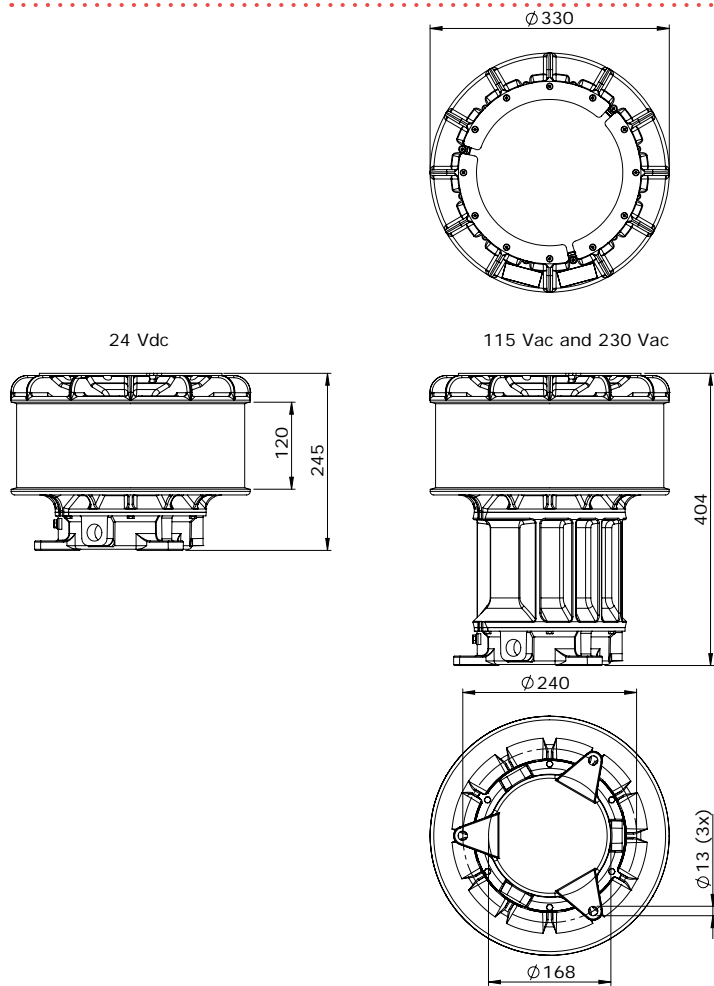
Optional

Voltage / Power	Status Light 115 Vac ± 5 %/100 W 230 Vac ± 5 %/100 W
Cable	On request
Bird spike	On request
Mounting	On request
Pedestal	On request

Characteristics

- Low maintenance
- Sealed unit
- Shock and vibration resistant
- No moving parts
- Special heat management system
- According to CAP437 and ICAO Annex 14 Vol. II

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Order Codes

Article Code	Version	Wattage	Voltage	Connection	Weight
110.004	Status Light – Ex	100 W	115 Vac	Ex e junction box with 3x M25 entries	25 kg
110.005	Status Light – Ex	100 W	230 Vac	Ex e junction box with 3x M25 entries	25 kg
110.006	Status Light – Ex	80 W	24 Vdc	Ex e junction box with 3x M25 entries	17 kg

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