

FATO-M2_24SR

NGV compatible FATO – Final approach take-off area lighting system



PHOTOMETRIC STANDARD COMPLIANCE



ICAO ANNEX 14, VOLUME II
FATO – FINAL APPROACH AND TAKE-OFF

KEY FEATURES AND BENEFITS

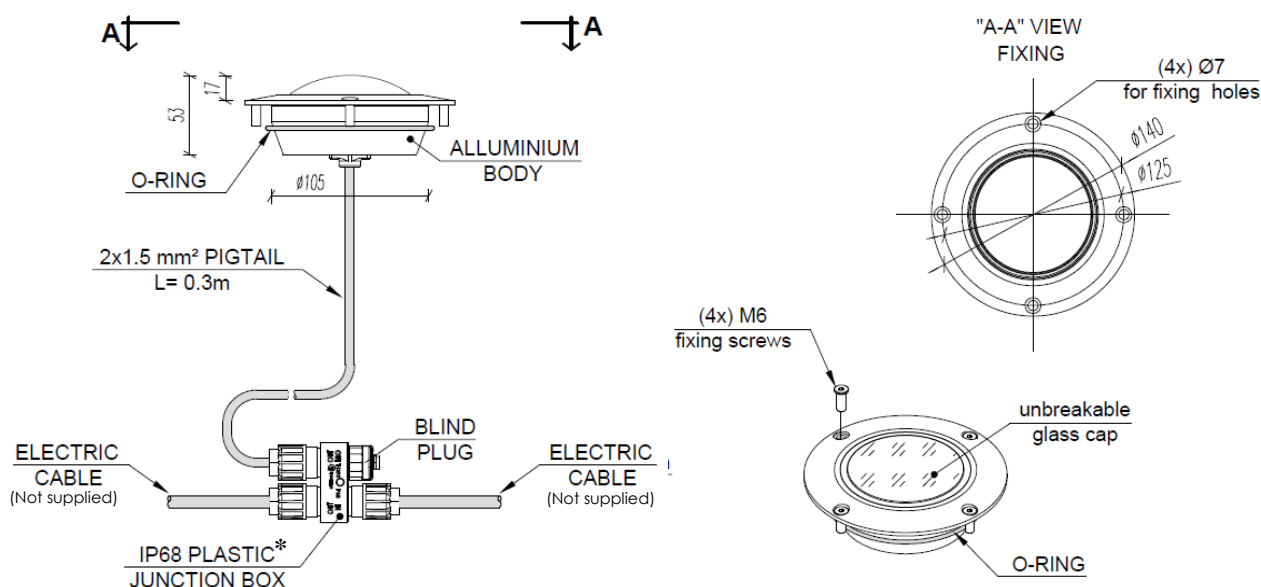
- Omnidirectional heliport inset light NGV compatible
- Designed and manufactured in Italy by Clampco Sistemi
- Circuit potting with resin for improved weather resistance
- Easy way for mounting, plug 'n' play connection ideal for heliports and helidecks
- New optical lens for intensity >100 cd between 0° ÷ 20° azimuth
- 9.6tons weight load tested
- Powered and controlled with dedicated driver

SPECIFICATIONS

Order Code	FATO-M2_24SR
Light source	LED
Type of beacon	Steady
Colour	White according to CIE Chromaticity Boundary
Light Intensity	>100 cd visible (10%, 30% and 100% intensity regulation)
Horizontal coverage	360°
Input voltage	24 Vdc
Power consumption	10 W
Average life	100 000 hours
Temperature range	from -40 °C to +55 °C
Protection degree	IP68
Material of the body	Aluminium anodized
Material of the transparent cap	Borosilicate glass
Weight	1 Kg

Flush mounting pot option	SM0004320000	Flush mounting base to be ordered separately; weight: 3,3Kg; Dimensions: Ø185 mm, H=221 mm
*Junction boxes options	HQ30010AS00	Insulating piercing terminals, cable outer Φ : 6÷13.5mm, conductors Φ : 0.5÷1.5 mm ²
	HQ30012AS00	Screw terminals, cable outer Φ : 6÷13.5mm, conductors Φ : 0.5÷4mm ²
Power and control	SPLS24H_DRIVER	Electronic driver for FATO and TLOF, nominal voltage = 24 Vdc

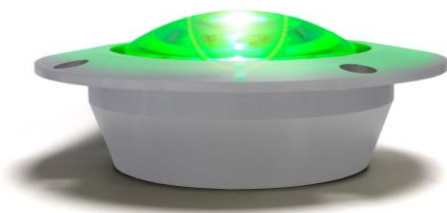
TECHNICAL DRAWINGS



Clampco Sistemi reserves the right to make changes at any time in order to supply the best product possible

TLOF-M2_24SR

NGV compatible TLOF – Touchdown and lift-off area lighting system



PHOTOMETRIC STANDARD COMPLIANCE



ICAO ANNEX 14, VOLUME II
TLOF – TOUCHDOWN AND LIFT-OFF



CAA CAP 437
TLOF – TOUCHDOWN AND LIFT-OFF

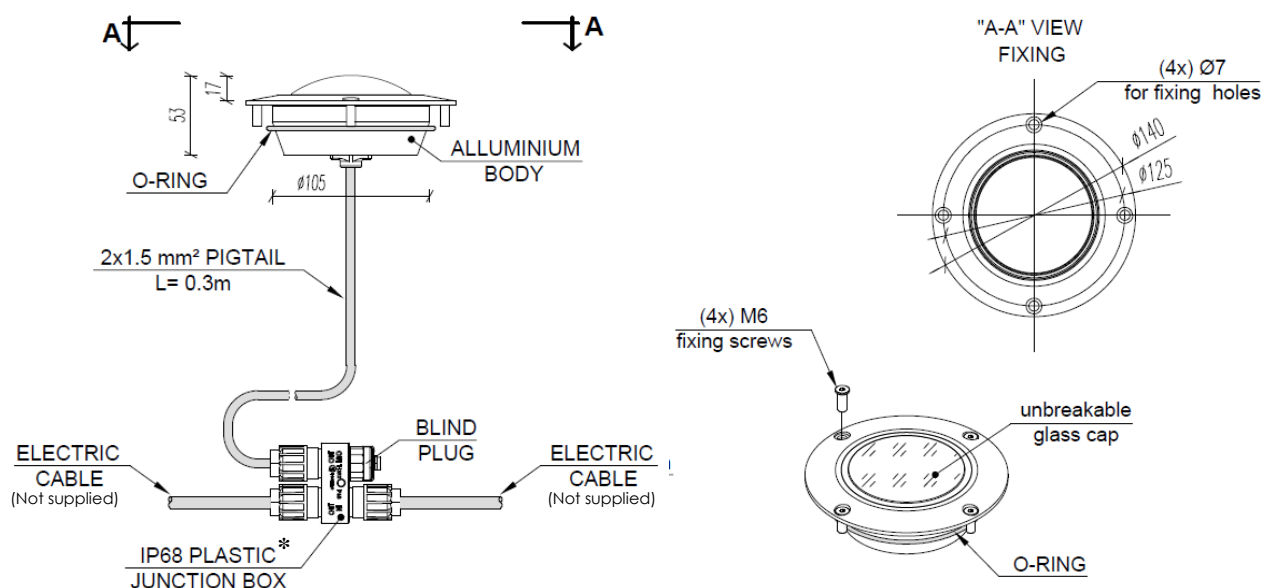
KEY FEATURES AND BENEFITS

- Omnidirectional heliport inset light NGV compatible
- Designed and manufactured in Italy by Clampco Sistemi
- Circuit potting with resin for improved weather resistance
- Easy way for mounting, plug 'n' play connection ideal for heliports and helidecks
- New optical lens for intensity >30 cd between 0° ÷ 10° azimuth
- 9.6tons weight load tested
- Powered and controlled with dedicated driver

SPECIFICATIONS

Order Code	TLOF-M2_24SR
Light source	LED
Type of beacon	Steady
Colour	Green according to CIE Chromaticity Boundary
Light Intensity	>30 cd visible (10%, 30% and 100% intensity regulation)
Horizontal coverage	360°
Input voltage	24 Vdc
Power consumption	7 W
Average life	100 000 hours
Temperature range	from -40 °C to +55 °C
Protection degree	IP68
Material of the body	Aluminium anodized
Material of the transparent cap	Borosilicate glass
Weight	1 Kg
Flush mounting pot option	SM0004320000 Flush mounting base to be ordered separately; weight: 3,3Kg; Dimensions: Ø185 mm, H=221 mm
*Junction boxes options	HQ30010AS00 Insulating piercing terminals, cable outer Φ : 6÷13,5mm, conductors Φ : 0,5÷1,5 mm ² HQ30012AS00 Screw terminals, cable outer Φ : 6÷13,5mm, conductors Φ : 0,5÷4mm ²
Power and control	SPLS24H_DRIVER Electronic driver for FATO and TLOF, nominal voltage = 24 Vdc

TECHNICAL DRAWINGS



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FLOOD-M1_23S

Heliport Floodlight



KEY FEATURES

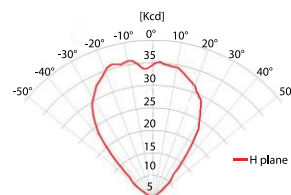
- designed and manufactured in Italy by Clampco Sistemi
- anodized aluminum body to prevent corrosion
- easy way for mounting – plug 'n' play connection

PHOTOMETRIC STANDARD COMPLIANCE



ICAO ANNEX 14, VOLUME II - Heliports

PHOTOMETRIC COMPLIANCE



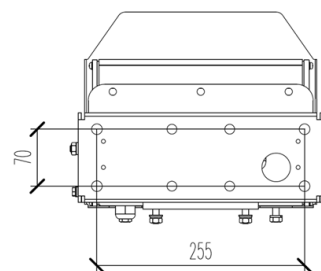
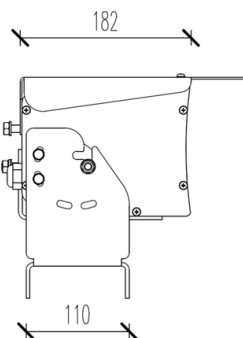
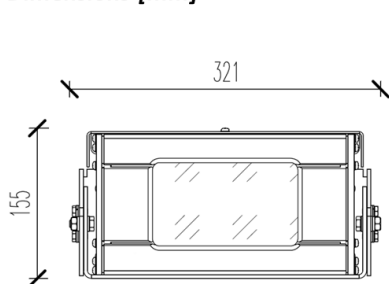
SPECIFICATIONS

Order Code	FLOOD-M1_23S
Light source	LED
Colour	White according to CIE Chromaticity Boundary
Input voltage	110 ÷ 240 V _{AC}
Power consumption	60 W
Average life	100 000 hours
Temperature range	from -40 °C to +55 °C
Protection degree	IP66
Material of the body	Anodized aluminum alloy
Connection	Pigtails (3 G 1,5)
Weight (lamp body)	7,5 Kg

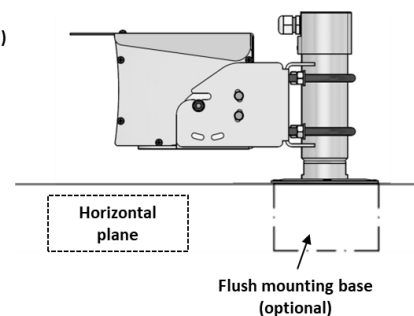
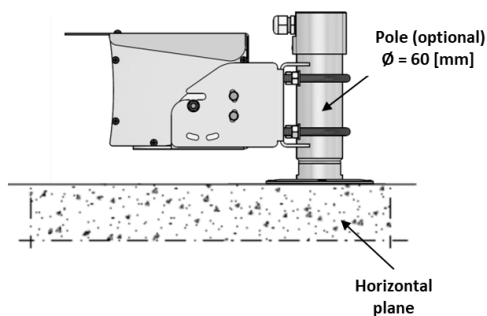
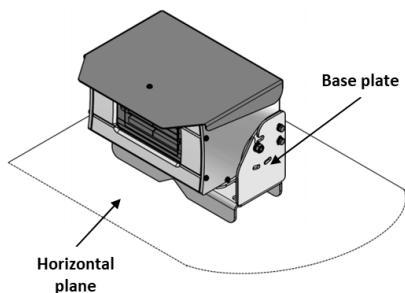
Fixing 1	Fixing 2 (optional)	Fixing 3 (optional)
Base plate: Weight: 4,0 Kg Dimensions: 301 x 83,5 x 110 mm	SEGS_FLOOD_POT – Fixing pole: Weight: 1,2 Kg Dimensions: Ø up to 60 mm, H= 200 mm	SM004320000 - Flush mounting base: Weight 3 Kg Dimensions: Ø185 mm, H= 221 mm Pole: see fixing 2

TECHNICAL DRAWINGS

Dimensions [mm]



Fixing examples



BEACON-M1_23S

Heliport Beacon



PHOTOMETRIC STANDARD COMPLIANCE



ICAO ANNEX 14, VOLUME II;
CHP – 5.3.2

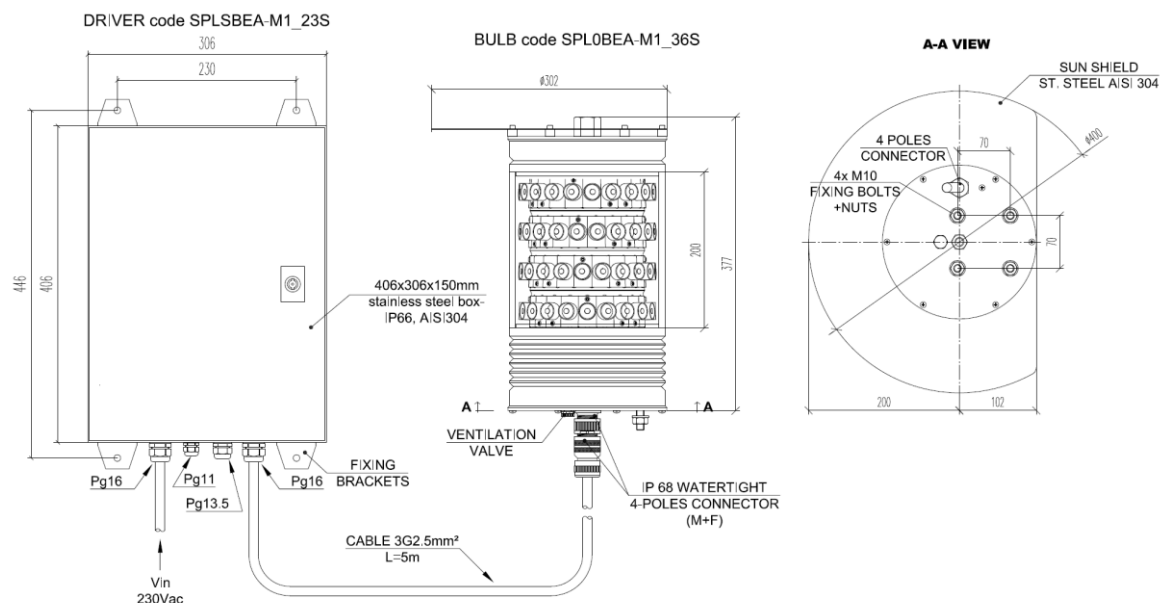
KEY FEATURES

- designed and manufactured in Italy by Clampco Sistemi
- improved resistance to corrosion
- easy way for mounting – plug 'n' play connection

SPECIFICATIONS

Order Code	BEACON-M1_23S	
Light source	LED	
Type of beacon	Flashing (H morse code)	
Colour	White according to CIE Chromaticity Boundary	
Light Intensity	>2.500 cd (3%, 10% and 100%)	
Horizontal coverage	360°	
Input voltage	110 – 230 Vac	
Average power consumption	22 W @ duty cycle 20%	
Peak power consumption	107 W	
Average life	100 000 hours	
Temperature range	from -40 °C to +55 °C	
Protection degree	IP66	
Optional fixing SCSG_HDGS	Mounting hardware for "L" shaped sections (50x50 mm min.; 160x160 mm max.); circular profiles (min. \varnothing = 48,3 mm; max. \varnothing 219.1 mm). Adjustable fixing plate (\pm 60° on the horizontal plan).	
	Beacon Unit	Sub Control Unit
Material of the body	Anodized aluminum	Stainless Steel AISI304
Material of the transparent cap	Polycarbonate	-
Weight	8.5 Kg (bulb) + 1 kg (sunshield)	10 Kg

TECHNICAL DRAWINGS



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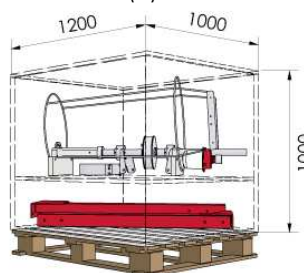
PHOTOMETRIC STANDARD COMPLIANCE



ICAO ANNEX 14, VOLUME I
ICAO ANNEX 14, VOLUME II
WIND DIRECTION INDICATOR

PACKING SIZE

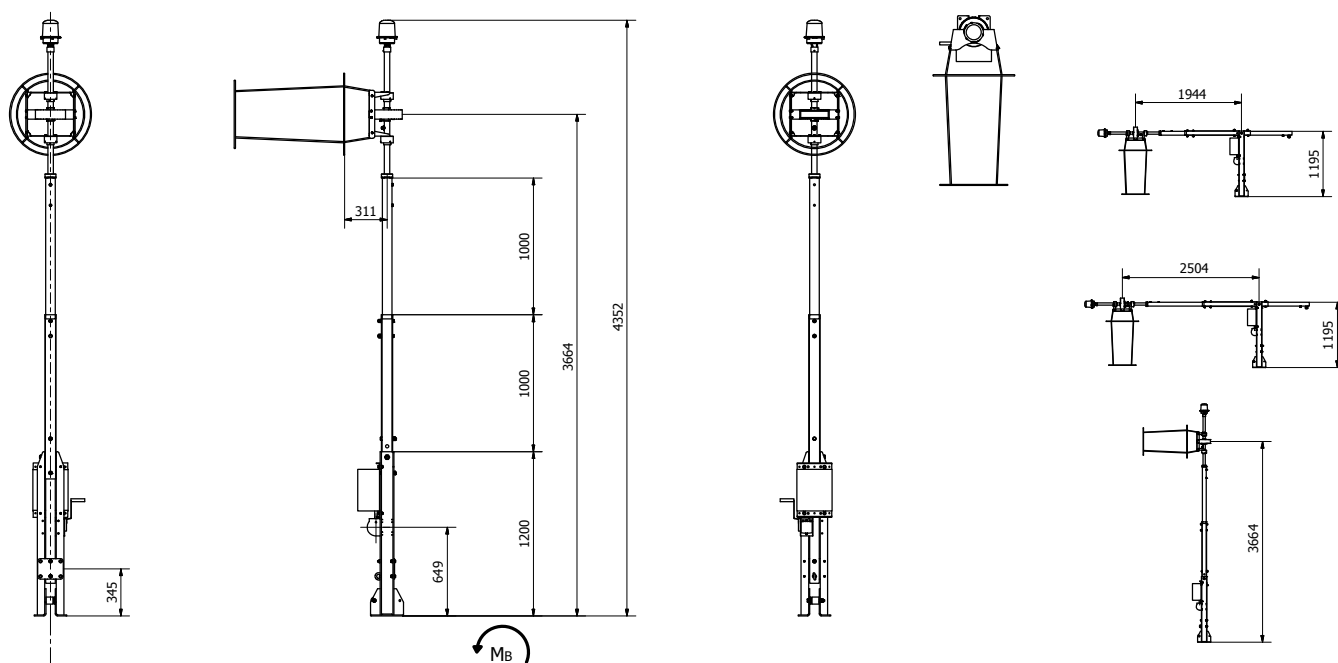
Pallet: 1200 x 1000 x 1000 (H) mm – net weight: 100 Kg



SPECIFICATIONS

Order Code	WSB_3660_AL
Internal illumination-type of beacon	LED, white light, steady
Input voltage	230 Vac
Temperature range	-30 to +55 °C
Type of mast	tiltable
Material of the mast (top)	stainless steel
Material of the mast (base)	aluminum
Mast height	3660 mm (maximum windsock height)
Windsock size	length 2400 mm – diameter 600 mm (at the mast)
Corrosive environments	Class C3 (UNI EN 12500:2002)
Obstruction light	Low intensity ICAO Type B / FAA L-B10 Obstruction light

TECHNICAL DRAWINGS



$M_B = 2400 \text{ Nm @ } 160 \text{ Km/h WIND SPEED}$

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