

SWISS  MADE



PRODUCT SUMMARY



USE: TLOF– FATO– Rescue service –
temporary Helipad

Design: Portable LED Light
Material: Aluminum
IP Rating: IP 67

Light Color: White, Green, Yellow, Blue,
Red, Infrared, Dual

NVG Enhanced: Optional

Battery: Lithium iron phosphate
Autonomy: 40 hours
Recharge time: 2 hours
Brightness ctrl.: 10%-30%-100%
LED Lifetime: > 80'000 hours
Battery life: >10'000 cycles
Remote control: Yes

Portable LED lighting system - NVG Compatible -Emergency heliport

Our portable airfield lighting system for heliports has been especially developed for facilitating helicopters' approaches and landings by interventions by night in the countryside far from any installation.

This LED lighting system is packaged in small cases, which are easily portable in a response vehicle of intervention driving to an accident site requiring a casualty evacuation through the air.

There are 6 LED omnidirectional lights in each case. They are powered by built-in batteries. The lights can be used continuously during 14 hours with a 100 % of intensity and during more than 40 hours with a 30% of intensity.

The photometry of these lights is in accordance with aeronautical standards in force under Annex 14 ICAO, Vol. II Helistations, paragraph 5.3.8.

The system can be installed by only one person in 10 minutes.

This system allows the pilot to approach the desired landing site as if it were a fix heliport.

The cases are equipped with integrated battery chargers.

Charging time is 2 hours.

A complete heliport lighting system can be installed with 2 cases (12 lights) (ICAO standards).

Each light is equipped with an ON/OFF switch or can be activated by a remote control system (option).



Mechanical characteristics (light unit):

Body material	Aluminum – Powder coated
Diameter	150 mm
Height	100 mm
Weight	1,74 kg
Temperature range	-15° to +40°
Protection Class	IP67

Mechanical characteristics (case):

Body material	Polypropylene (Pelicase)
Length	524 mm
Width	428 mm
Height	206 mm
Weight	20 kg
Protection Class	IP67

Optical characteristics (light unit):

Light source	HFT 3 LED
Available color	Green/White/Yellow/Blue/Red
Intensity (green)	70 cd at 15° elevation (100%)
Horizontal output	360°
Vertical divergence	0° to 180 °
Intensity level	100% - 30% (30% with remote controller)
Lifetime of LEDs	> 100'000 hours

Electrical characteristics (light unit):

Battery type	LiFePO ₄ (Lithium iron phosphate battery)
Battery nominal Voltage	12.5 V
Battery Capacity	3.3 Ah
Typical Autonomy	30% 40 hours 100% 14 hours
Charging time	2 hours
Battery life time	More than 7000 cycles (>80% capacity)
Note for battery	The battery can be stored fully charged. The remaining charge after 1 year is higher than 95%.

Electrical characteristics (case):

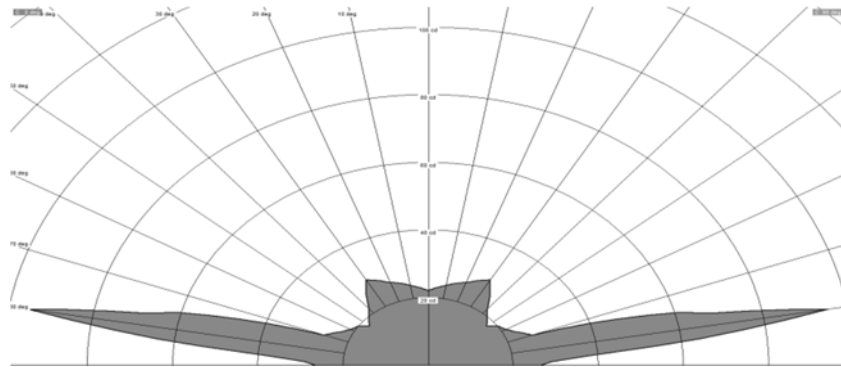
Input Voltage	110 to 250 VAC 50/60Hz
Current	Max 6A
Protection	FI Protection – IΔn: 30mA – In: 16A
Output (battery charger)	6x 12.8V - 1.5A

Content of the Case:

-	Electrical Panel with 6 battery chargers (integrated)
-	6 complete LED lights with battery
-	6 HF antenna with BNC connector
-	6 charging cables
-	1 230VAC cable with FI-Safety
-	18 fixing straps
-	18 Stainless Steel pegs
-	1 plasticized user guide
-	1 remote controller
-	1 programming plug (for remote controller)



Photometry



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