

HeliCase 6

Battery powered Helipad lighting kit

TLOF FATO Aiming point Flight path alignment Perimeter Taxiway edges

ICAO FAA CAP CASA DGAC-STAD



SUMMARY

Product summary:

The Helicase is an update of our HFTP tabletop system, widely deployed in both civil and military applications worldwide.

The portable heliport lighting “HeliCase” system is an innovative solution for improving the safety and convenience of helicopter operations. Designed to be easily transportable in a waterproof and resistant polypropylene suitcase, this system contains 6 lamps with the necessary fixing accessories for quick and simple installation. With a battery life of over 100 hours thanks to its NiMH batteries, this portable lighting system offers a reliable solution for helicopter operations in remote or hard-to-reach locations.



It is a true heliport in a suitcase.



Aerolighting is an innovative company that stands out for the quality and expertise of its products in the field of heliport lighting. Their portable heliport lighting system, the “HeliCase,” is an innovative solution for improving the safety and convenience of helicopter operations. Designed to be easily transportable in a waterproof and resistant polypropylene suitcase, this system contains **6 lamps** with the necessary fixing accessories for quick and simple installation. The portable helipad lights are also made of

polypropylene and aluminum, shock-resistant and waterproof. They offer many possibilities for attachment and can be installed in a few seconds. The system can be deployed in less than 5 minutes. The NiMH batteries can be stored fully charged and have a battery life of over 160 hours in standard mode. A secured remote control allows remote control of the lamps and their intensity. Aerolighting uses cutting-edge technologies such as high-power LEDs and Aerolighting Heli1 and HELI-IR LED engines. Their products comply with ICAO, EASA standards and are available in several colors, including an optional infrared. Aerolighting is a Swiss company that cares about the quality of its products and the satisfaction of its customers.



Design:	Battery powered Helipad portable LED lights
Material:	Aluminum or Polypropylene
IP Rating:	IP 68
NVG Enhanced:	Optional Infraed
Height:	112mm
Dimming:	Yes

Power supply	NimH battery Up to 160 hours / 30 hours in boost mode
Remote control:	On/Off and dimming
Standards:	ICAO, STAC
LED Lifetime:	> 80'000 hours

TECHNICAL DESCRIPTION:

Mechanical characteristics (light unit):

<i>Body material:</i>	UV Resistant Polypropylene and aluminium
<i>Diameter:</i>	153mm
<i>Height above ground:</i>	112mm
<i>Weight:</i>	~1.2 kg
<i>Temperature range:</i>	-40° to +50°C
<i>Protection Class:</i>	IP68
<i>Connection:</i>	Waterproof connector with cap (for charger)
<i>Switch:</i>	Waterproof switch
<i>Fixing attachment:</i>	9 holes 18 anchor Elastic cable and fixing accessories in the case

Optical characteristics: (visible)

<i>Technology:</i>	High Power LED
<i>Light source:</i>	Aerolighting Heli1 Led engine
<i>Available color:</i>	Green/White/Yellow/Blue/Red/Infrared/Dual
<i>Intensity (White):</i>	55cd @ 0° (boost mode in Green TLOF)
<i>Horizontal output:</i>	360°
<i>Intensity level:</i>	3 (eco, standard, boost) + flash mode
<i>LEDs Lifespan:</i>	>80'000 hours

Optical characteristics: (InfraRed) OPTIONAL:

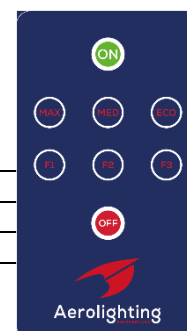
<i>Technology:</i>	High Power LED
<i>Light source:</i>	Aerolighting HELI-IR Led engine
<i>Wavelength:</i>	850nm (central) +/- 30nm
<i>Intensity (IR):</i>	Up to 100mw/sr @ 0° elevation
<i>Horizontal output:</i>	360°
<i>Intensity level:</i>	3 (eco, standard, boost) + flash mode
<i>LEDs Lifespan:</i>	>80'000 hours
<i>Note:</i>	InfraRed is optional. The integration of Infrared reduces the autonomy of the system per a factor of 2.

Electrical characteristics:

<i>Battery Voltage:</i>	9.2V (NimH)
<i>Battery technology:</i>	Low-self-discharge nickel-metal hydride battery
<i>Capacity:</i>	5.5Ah
<i>Charging time:</i>	~ 4 hours
<i>Connection:</i>	Connector on the side of the light
<i>Note:</i>	Optional this light can be used with AA battery kit

Remote control:

Battery type:	AA battery
Function:	ON/OFF and 3 level of intensity
Antenna:	Removable
Frequency:	868Mhz (EU) or 915Mhz (US)
Range:	> 1 km



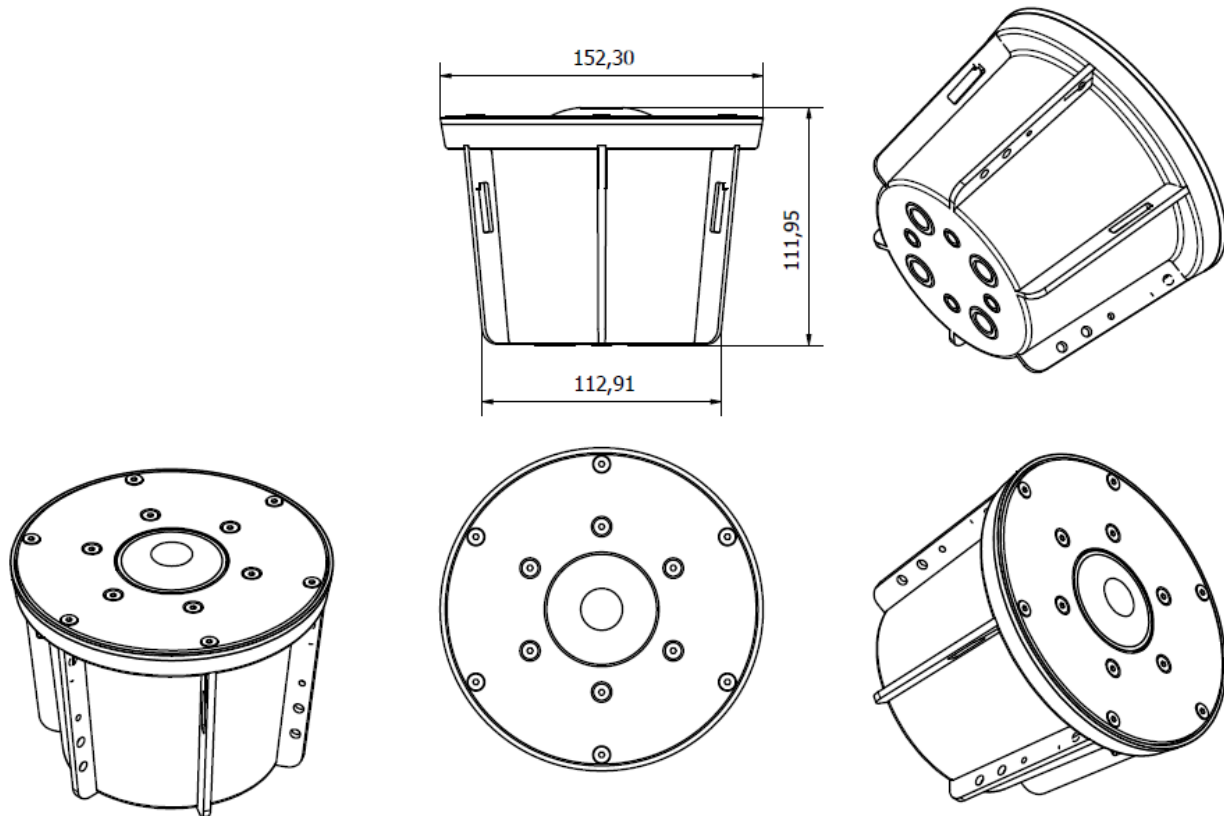
The standard HeliCase kit contain:

1x	High resistance and waterproof polypropylene case (made in Germany) 60x40x22cm with:
--6x	Lights with integrated battery and antenna (made in Switzerland)
--1x	Remote controller with antenna
--18x	Fixing pegs
--18x	Fixing strap
--1x	Tool kit
1x	High resistance and waterproof polypropylene case (made in Germany) 30x20x15cm with:
--6x	NimH quick battery charger
--6x	Cable assembly for charger
--1x	Electrical accessories

Aeronautical standards

ICAO Annex 14 Vol II 5 th edition July 2020	TLOF perimeter lights Final approach and take off area lights (FATO) Aiming point lights Flight path and guidance lighting system
EASA CS-HPT-DSN Issue 1 2019	TLOF perimeter lights Final approach and take off area lights (FATO) Aiming point lights Flight path and guidance lighting system
FAA Engineering Brief 87 Jan 2012	Perimeter light L-860HS (L) – Semi-flush heliport fixture LED
FAA AC 150/5390-2C Apr 2012	TLOF perimeter lights Landing direction lights Flight path alignment lights
UK CAA CAP 437 July 2021	Perimeter light (power limitation programed in factories)
DIN EN IEC 642471 :2019	Safety of lamp system (for Infrared part)
IEC 60598-1 :2020	Ingress protection class dust/liquids

DRAWING



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