

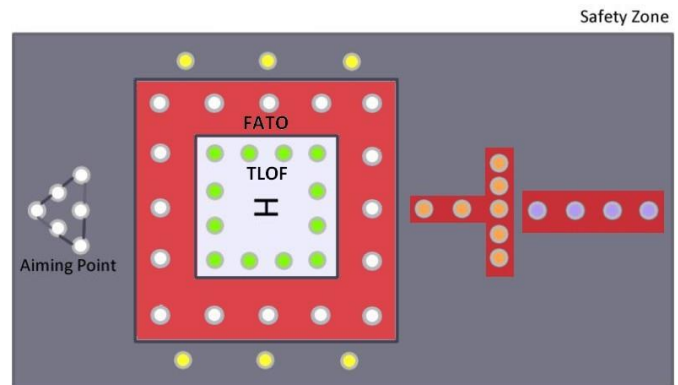
LowDo LED

*Elevated LED light
for heliport*



Engineered and manufactured in Switzerland

USES	FATO Approach axis Point marking Taxiway edges
STAC CERTIFICATE	On request



PRODUCT SUMMARY

<i>Design:</i>	Elevated LED light	<i>Warranty:</i>	48 months by standard exchange
<i>Material:</i>	Aluminium or stainless steel	<i>Power supply:</i>	24-60 VDC / 110-230 VAC / 6.6A
<i>IP Rating:</i>	IP 66	<i>Power:</i>	20W
<i>Frangible:</i>	Yes	<i>Standards:</i>	ICAO Annex 14, Vol II
<i>Light colour:</i>	White, green, yellow, blue	<i>Brightness control:</i>	10%-30%-100%
<i>NVG* Enhanced:</i>	Optional	<i>LED lifetime:</i>	>80 000 hours
<i>*Night Vision Goggles</i>		<i>iControl:</i>	Optional

Elevated LED light LOWDO LED

This very robust elevated Led light is especially designed for Helipad application. Available in a large range of colours and power supply. It is easy to install and need no maintenance. The waterproofness is elaborated to guarantee that no water or humidity came into the light. A special physical barrier guarantee that no humidity can come from the connection (WatBar).

The LowdoLed MKII use 8 power LED from specially selected for their quality, lifespan (< 80'000 hours), and photometrical stability. Brilliancy control: 10%-30%-100%. Colour of the glass dome is accorded to the LED direct colour; it guarantees no chromatic or photometrical aberration.

INFRARED (NVG ENHANCED)

Our special infrared LED light engine has a very high response on NVG units. That means, that this NVG enhanced lights will be highly amplified by the NVG. Environment and other lights are still visible with the same quality. For pilots flying without NVG, no modification is visible on the dual lighting system. Optionally this light can be used with the iControl system. The electronic system integrated in the light can detect a failure and communicate with the iControl. For example: you can configure to receive an email if any light has a problem. You are able to watch the status and failure information of each light directly from a dedicated webpage. It is also possible to switch ON and regulate the system from an I phone or Android mobile phone, and much more...

iControl makes the installation, flight, and maintenance easier and safer.

Ordering code:

LowDoLED MKII - G - X - IR

Type	Colour	Power supply	NVG Enhanced
LowDo LED	-G: Green -W: White -Y: Yellow -B: Blue	-X: iControl (intelligent) -Y: LBR (standard) -Z: 6.6 A	-IR: NVG Enhanced -N: NO NVG Enhanced

Mechanical characteristics:

Body material	Aluminium – Powder coating - mineral tempered glass
Diameter	165 mm
Height	235 mm
Weight	1.8 kg
Temperature	-40° to +70°
Protection class	IP66
Frangibility	YES
Isolation: water/humidity	WatBar – Physical insulation between the « connection room » and the light

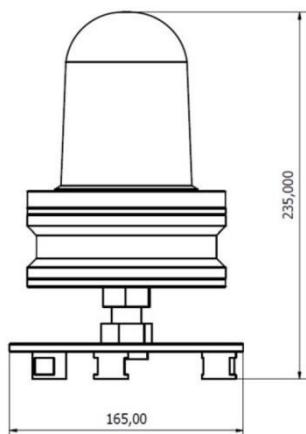
Optical characteristics:

Light source	High power LED
Colour	Green / White / Yellow / Blue / Red
Intensity (white)	65 cd at 15° elevation (100%)
Horizontal output	360°
Intensity level	100% - 30% - 10%
LED lifetime	> 80 000 hours

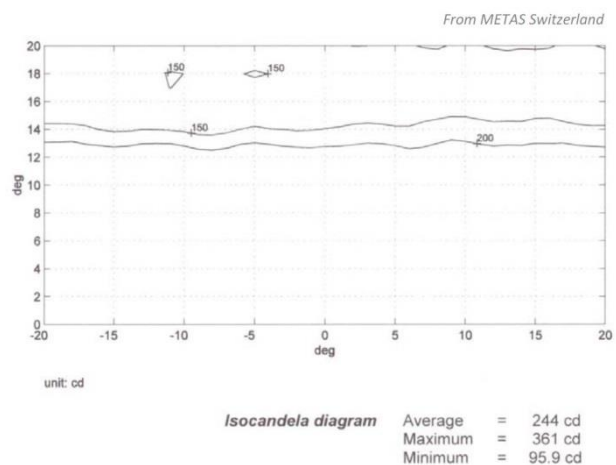
Electrical characteristics:

Power supply voltage	24 to 60 VDC or 110 to 240 VAC 50/60hz or 6.6A (CCR)
Power	20W (white)
Brightness regulation (visible)	Intelligent control system: iControl LBR II 6.6A (CCR)
Type of cable	LBR version: 2x1.5mm ² iControl version: 4x1.5mm ²

Drawing:



Photometric data:



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