

USE: FATO – Approach axis – Point marking – Taxiway edges

PRODUCT SUMMARY



Design: Elevated LED Light
Material: Aluminum or Stainless Steel
IP Rating: IP 66
Frangible: Yes
Light Color: White, Green, Yellow, Blue
NVG Enhanced: Optional

Power supply: 24-60 VDC / 110-230 VAC / 6.6 A
Power: 20 Watts
Standards: ICAO Annex 14, Vol II
Brightness ctrl.: 10%-30%-100%
LED Lifespan: > 80'000 hours
iControl Ready: Optional

DESCRIPTION:

This very robust elevated LED light is especially designed for Helipad application. Available in a large range of colors 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%. Color of the glass dome is accorded to the LED direct color, 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.

Visit www.aerolighting.ch/icontrol for more information about iControl



TECHNICAL DESCRIPTION:

Mechanical characteristics:

Body material:	Aluminum – Powder Coating – Aviation Yellow Mineral tempered Glass
Diameter:	165 mm (max)
Height:	235 mm
Weight:	1.8 kg
Temperature range:	-40° to +70° C
Protection Class:	IP66
Frangibility:	YES
Water / Humidity: Insulation	WatBar – Physical insulation between the “connection room” and the light

Optical characteristics:

Technology:	High Power LED
Light source:	Aerolighting EcoLED 825 W
Available color:	Green/White/Yellow/Blue/Red
Intensity (White):	65 cd at 15° elevation (100%)
Horizontal output:	360°
Intensity level:	100% - 30% - 10%
LEDs Lifespan:	> 80'000 hours

Electrical characteristics:

Supply Voltage:	24 to 60 Volts DC or 110 to 240 Volts AC 50/60hz or 6.6A (CCR)
Power:	20W (White)
Brightness regulation (visible):	Intelligent control system: iControl bus -> more information LBR II 6.6 A (CCR)
Connection:	+Vdc / -Visible / -IR / -Regulation (LBR II)
Type of cable:	LBR Version: 2x 1.5mm ² / icontrol Version: 4x 1.5mm ²

ORDERING CODE:

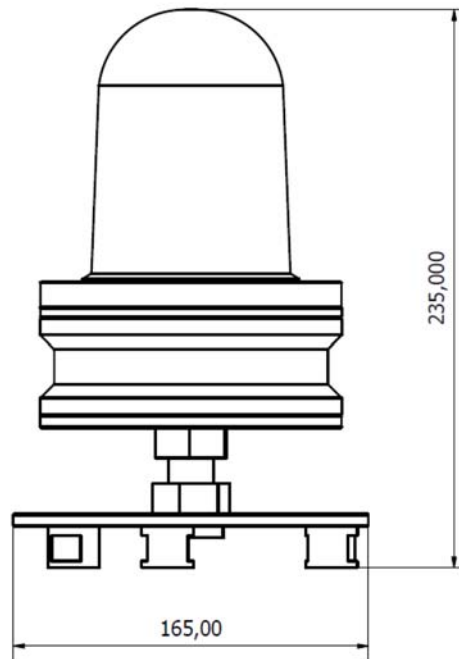
LowdoLed MKII – **G** – **X** – **IR**

Type	Color	Power supply	NVG Enhanced
LowdoLed MKII	- G Green	- X iControl (intelligent)	- IR NVG Enhanced
	- W White	- Y LBR (standard)	- N NO NVG Enhanced
	- Y Yellow	- Z 6.6A	
	- B Blue		

Example: **LowdoLed MKII-W-Y-IR** -> LowdoLed MKII, White, with LBR power supply, with NVG Enhanced

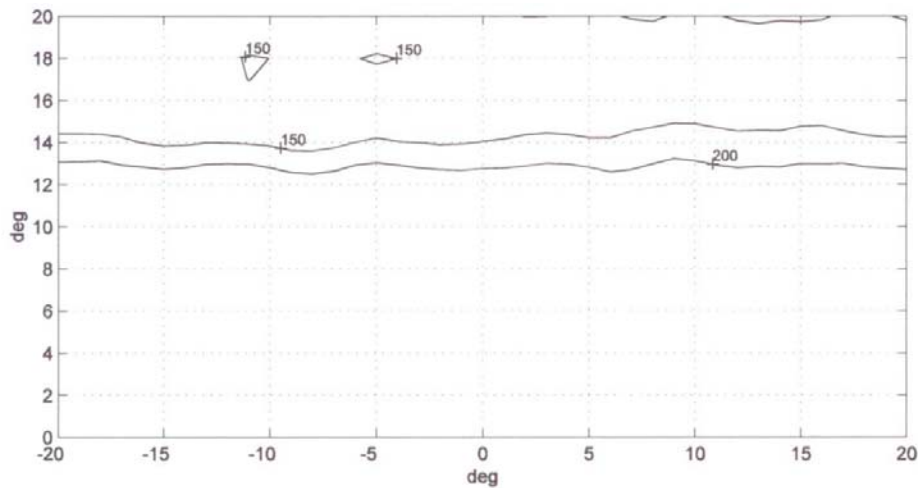


DRAWING:



PHOTOMETRIC DATA:

From METAS Switzerland



unit: cd

Isocandela diagram	Average	=	244 cd
	Maximum	=	361 cd
	Minimum	=	95.9 cd

The descriptions, photometric measurements and features contained in this publication are given for information only and do not constitute an engagement for our society, which reserves the right to change them without prior notification.

