



# Medium Intensity 20,000cd white LED ICAO Type A. FAA L-865 L-866. LED Flashing aviation obstruction light

CEL-MI-20KW-X

## Key features

- Based on LED technology
- 20,000/ 2,000cd effective flashing white
- Extremely reliable - long lifetime
- Very low power consumption
- Stabilised light output
- Lightweight and small - low wind load factor
- Easy to install
- Patented
- Very low total lifetime costs
- Comes with five (5) year warranty
- Over 10 year continuous, maintenance free operating time
- **Controlled by CEL LHC Light Head Controller**

## Specifications met

- FAA Advisory Circular 150/5345-43F 09/12/06: L-865 and L-866
- ICAO International Standards and Recommended Practices: Aerodromes -Annex 14 Volume 1, 5th Edition, July 2009, Chapter 6: Medium-intensity Type A Obstacle Light
- Certified by STAC France and FVT Germany

## Optical characteristics

- 20,000cd effective intensity @day mode
- 2,000cd effective intensity @night mode
- Colour aviation white
- Horizontal radiation pattern 360°
- Vertical radiation pattern 3°

## Electrical characteristics (with LHC)

- Operating voltages 24 or 48VDC, 115 or 230VAC
- Constant power input by active PFC
- Operating temperature range -55 ... + 70°C
- Storage temperature range -55 ... +100°C
- Flash rates: 20, 40 and 60fpm
- Flash durations: 100, 150, 200 and 250ms
- Power consumption @20fpm, 100ms:  
Day mode: 65VA  
Night mode: 30VA
- LED supply current stabilised by constant current generator



CEL-MI-20KW-X w/o mounting set

## Order codes:

- CEL-MI-20KW-V with vertical mounting set
- CEL-MI-20KW-H with horizontal mounting set

## Mechanical characteristics

- Anodised marine grade aluminium body
- Glass cover
- Degree of protection IP65
- Height 453mm, diameter 255mm
- Mounting set -V or -H include
- Light unit weight 16.5kg without mounting set
- Wind load 1200N with mounting set@ 200km/h

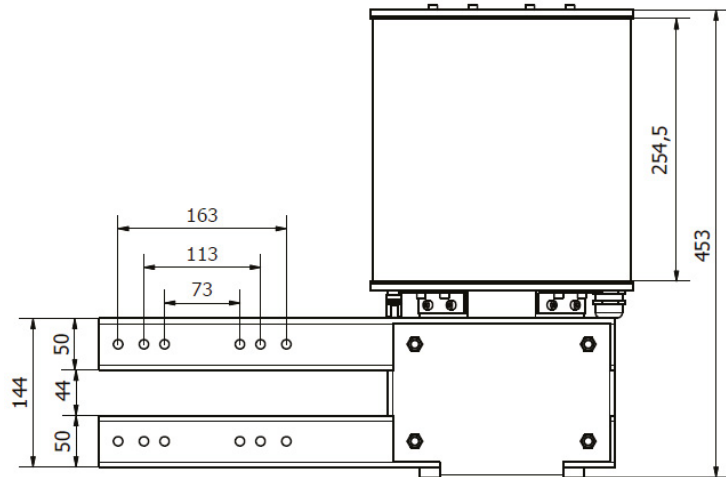
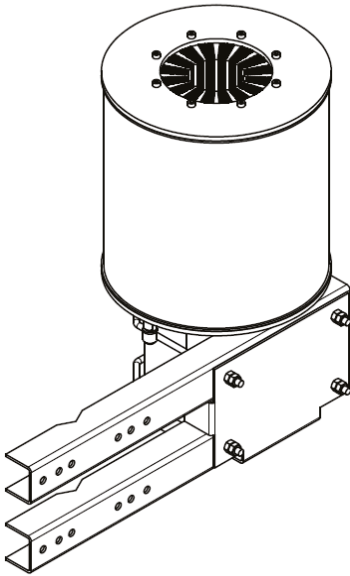
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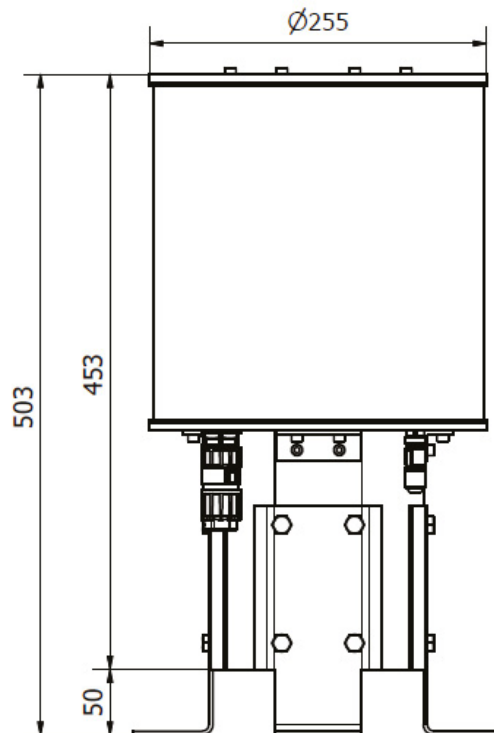
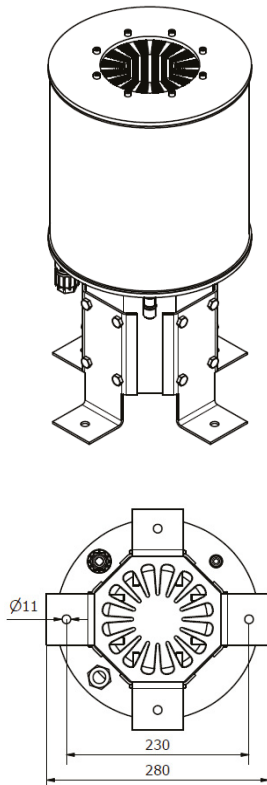
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CEL-MI-20KW-x

## Mounting set -V. Mounting to vertical pipe:



## Mounting set -H. Mounting to horizontal surface:



Dimensions are subject to change, please contact us  
for up-to-date detail

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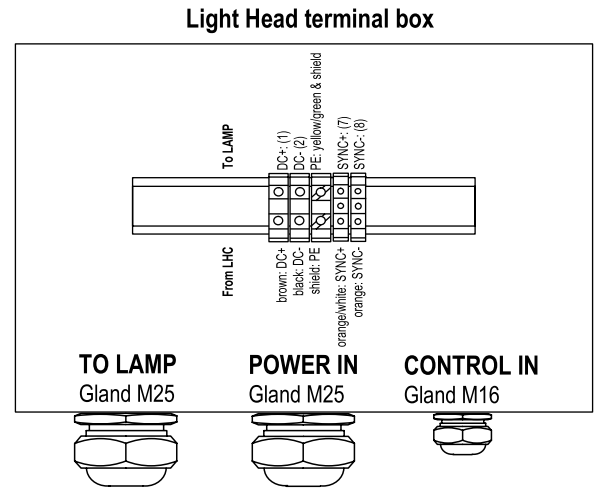
## INSTALLATION INSTRUCTIONS

### LIGHT HEAD TERMINAL BOX CONNECTIONS

CEL-MI-20KW light head is connected to light head controller, LHC, via terminal box installed in light head. LHC provides light head's supply voltage and flash control with separate cables which are connected to light head's terminal box.

Terminal box connection instructions and cable recommendations:

To lamp 4x2,5 + 4x1 mm <sup>2</sup>	Power in 3x6mm <sup>2</sup>	Control in CAT5
1 = DC+	br = DC+	or/wh = SYNC+
2 = DC-	bk = DC-	or = SYNC-
3 = NC	wh = NC	
ye/gr = PE	shield = PE	
7 = SYNC+		
8 = SYNC-		
shield = PE		



## POWER AND CONTROL CABLES

