ENGINEERED IN POLAND

Tail Star 140

28 V SYSTEM

Tail-mounted white position and anticollision strobe light. No controller box.

1 · General information

Tail Star 140 is a single tail-mounted lamp that combines a white position light with a white anticollision strobe in one epoxy capsule. The strobe controller sits inside the lamp, so there is no external box to mount and no extra loom to route; a synchronization lead keeps the flash in step with the wingtip strobes.

The lamp mounts on a 46 mm hole spacing and stands 34 mm tall. The monolith encapsulation resists water, vibration and UV, and the electronics are protected against reverse polarity. Intended for ultralight, experimental, KIT, gyrocopter and rotorcraft aircraft.

- Strobe controller in lamp
- Reverse polarity protection
- Strobe synchronization
- 2-year warranty

2 · Technical data

LIGHT FUNCTIONS

Position light	YES · WHITE
Strobe light	YES · WHITE
Position light angle	140°
Strobe light angle	360°
Position light luminosity	100 LM
Strobe light luminosity	3000 LM
Strobe frequency	100 FLASHES/MIN
Strobe control unit	BUILT INTO LAMP
Strobe synchronization	YES

ELECTRICAL

Operating voltage range	22 – 28 V DC
Current · position light	0.25 A
Current · strobe light	1.2 A PEAK
Input power · position light	0.7 W
Input power · strobe light	34 W PEAK
Wiring requirement	0.5 MM² CABLE
Reverse polarity protection	YES

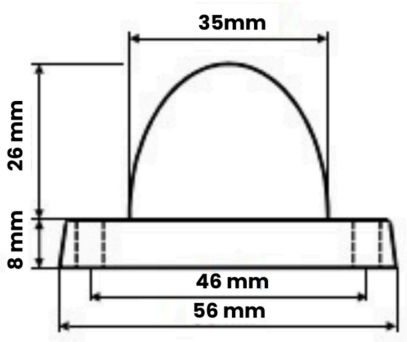
MECHANICAL & ENVIRONMENT

Dimensions	56 × 37 × 34 MM
Weight	40 G
Encapsulation	UV-RESISTANT EPOXY MONOLITH
Operating temperature range	−35 °C … +60 °C
Vibration resistance	YES
Water resistance	YES
Warranty	2 YEARS

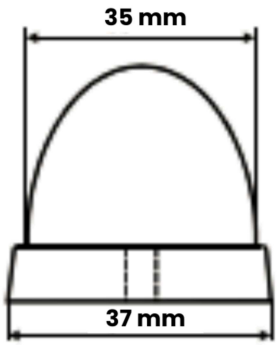
3 · Drawing

All dimensions in millimetres. Drawings are not to scale.

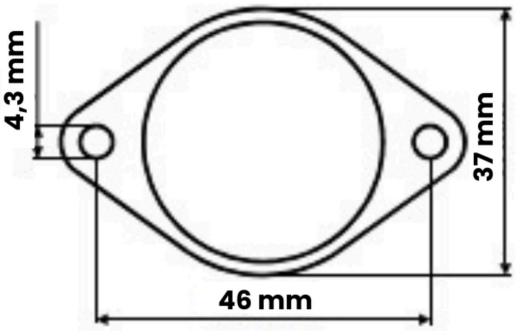
SIDE VIEW



FRONT VIEW



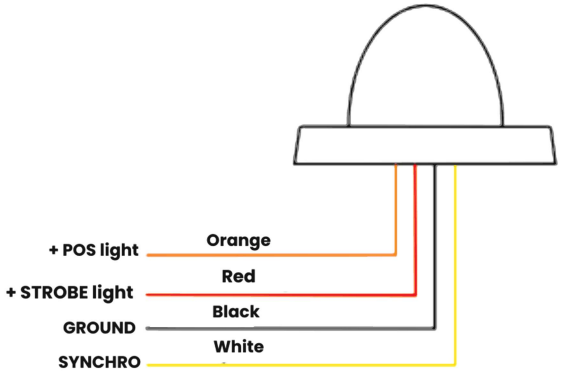
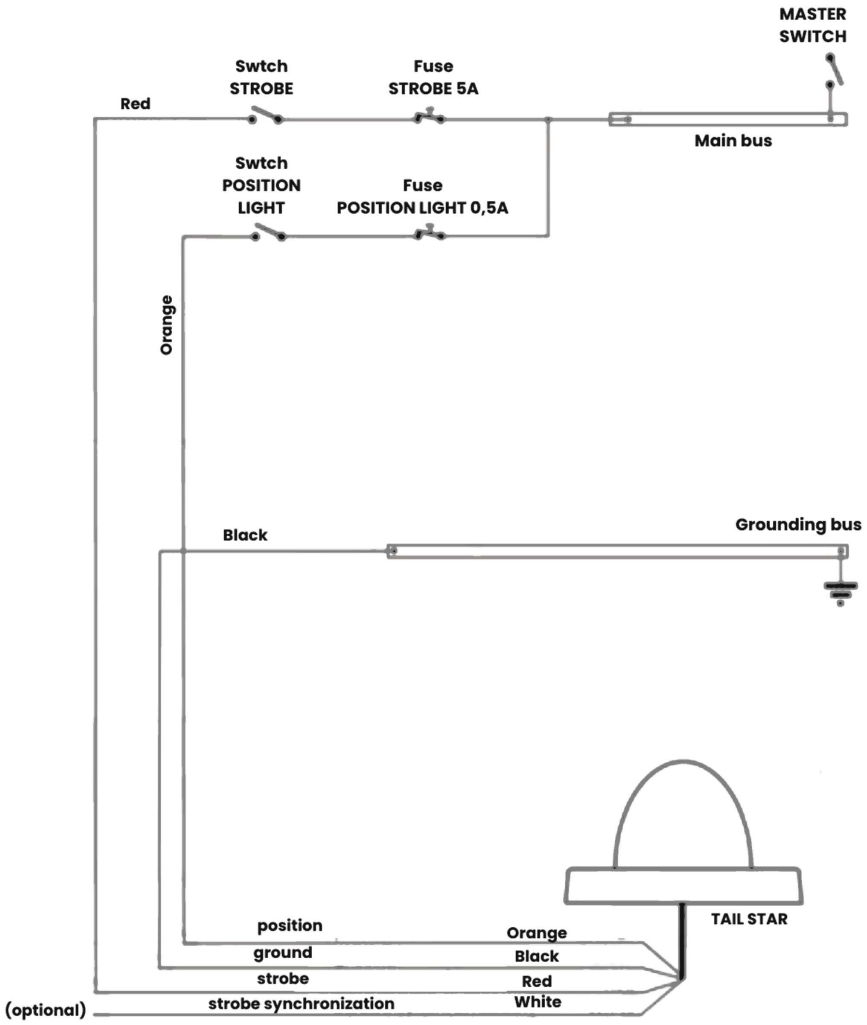
MOUNTING FOOTPRINT



4 · Light distribution

5 · Connection and wiring

LAMP LEADS



AIRCRAFT WIRING