

TECHNICAL DATA SHEET (EN)

STROBES / NAVIGATION / POSITION



 <p>THE MOST POWERFUL 20,000 LUMENS</p>	 <p>NO RADIO INTERFERENCE</p>	 <p>LOW CURRENT DRAIN</p>
 <p>FOR ALL AIRCRAFT</p>	 <p>VERY LIGHT</p>	 <p>WATER AND DUST RESISTANT</p>

1. Product Information

1.1. Description



Strobe with integrated Generator

2 light devices

Anti-collision Strobe / Navigation / Position:

- 1 red Nav + white Position + white Strobe
- 1 green Nav + white Position + white Strobe

The Integrated Dual Strobe Kit includes two lighting devices. Each produces a 180° flash plus a white light at the rear and a red or green light at the front. The ideal position is on the wingtips. It is possible to activate the flashes alone, the navigation lights alone, or both. The flashes are synchronized without the need for a synchronization wire.

1.2. Limitations

- Temperature range: -40° to 60° Celsius.
- Voltage must not exceed 20 V.
- Wire cross-section must be 0.35 to 0.75 mm²; 0.5 mm² is recommended.
- Ensure that the wires used are in good condition: neither cut nor damaged.
- Please follow the instructions and the order in the assembly instructions
- Place the entire device more than one meter away from flammable or explosive materials (fuel tanks or hoses).

- Tightening must be just enough to compress the foam to ensure the light device is watertight. Screw until the lens makes contact with the support, without further tightening.

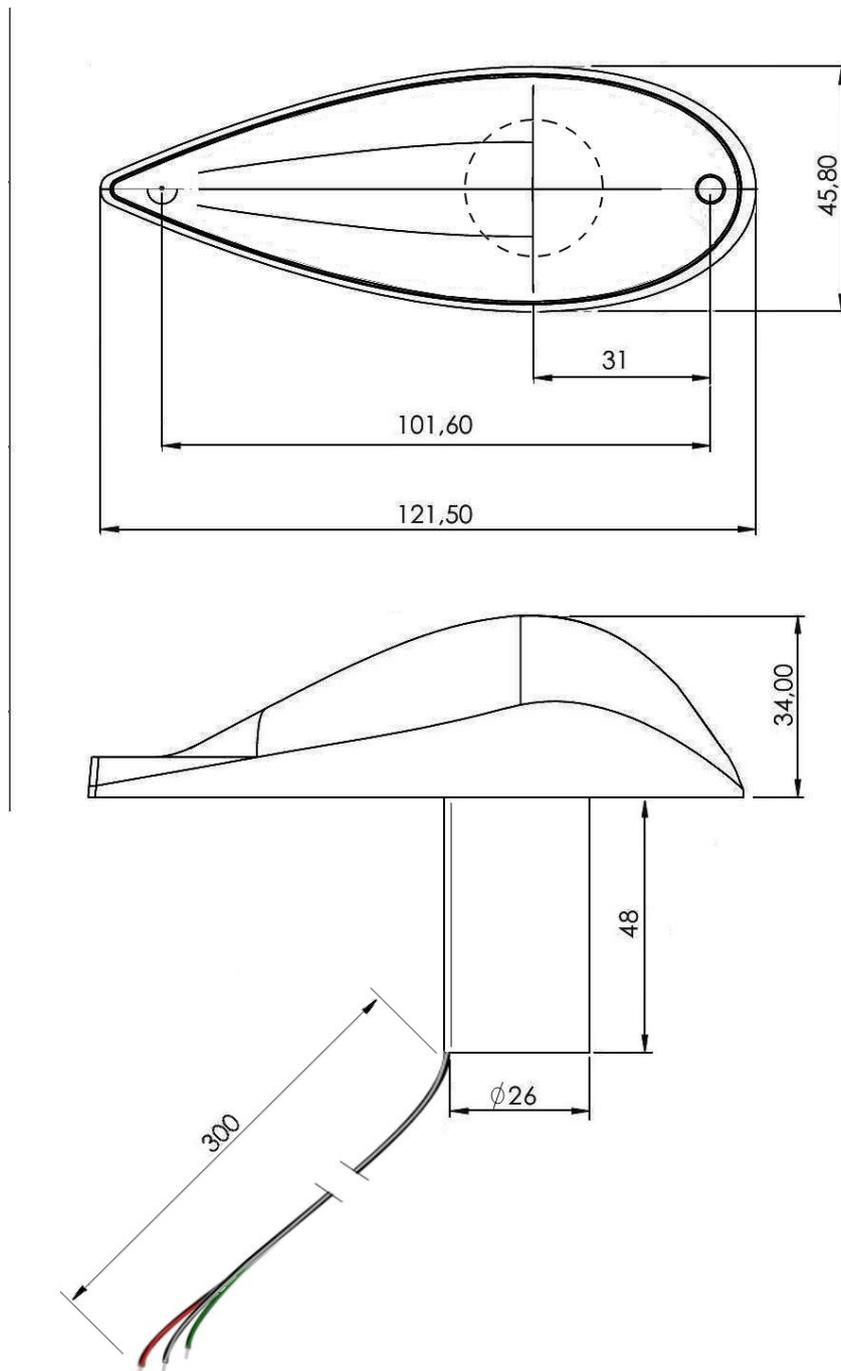
- **If the device is purchased without the lens, Raylight Technologies disclaims all liability.**

- Do not view the strobe while in operation from within 1 meter.

For non-certified aircraft only.

Raylight Technologies does not guarantee its products outside of these limitations and is not responsible for the installation of the device. Raylight Technologies recommends using professional installation.

1.3. Dimensions

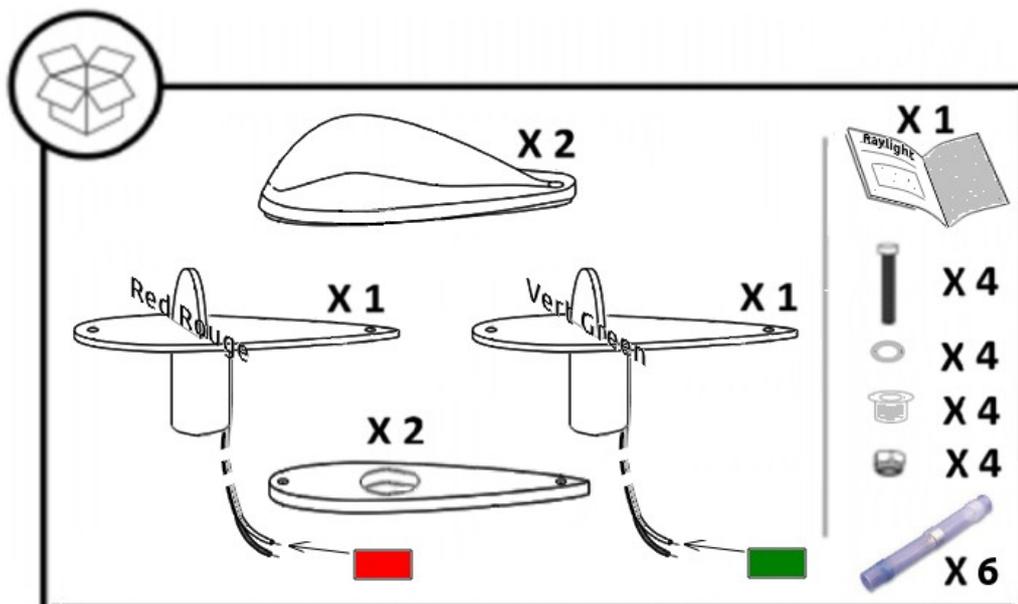


1.4. Features

Lumens	2 x 15 000
Candelas	2 x 2 300
Ampere	2 x (0,2 A + 0,3 A)
Volts	10 – 16 V
Protections	Power surges, reverse polarity, overheated
Frequency	47 per mn, synchronized
Lens	Polycarbonate ULV0 Anti UV
Weight	2 x 95 g
Dimensions L x l x H	121,5 x 45,8 x 34 mm
Center distance	101,6 mm
Connection 3 wires	Strobe, Nav + Position, 0V / GND
Wire cross-section mm ²	0,5 mm ²

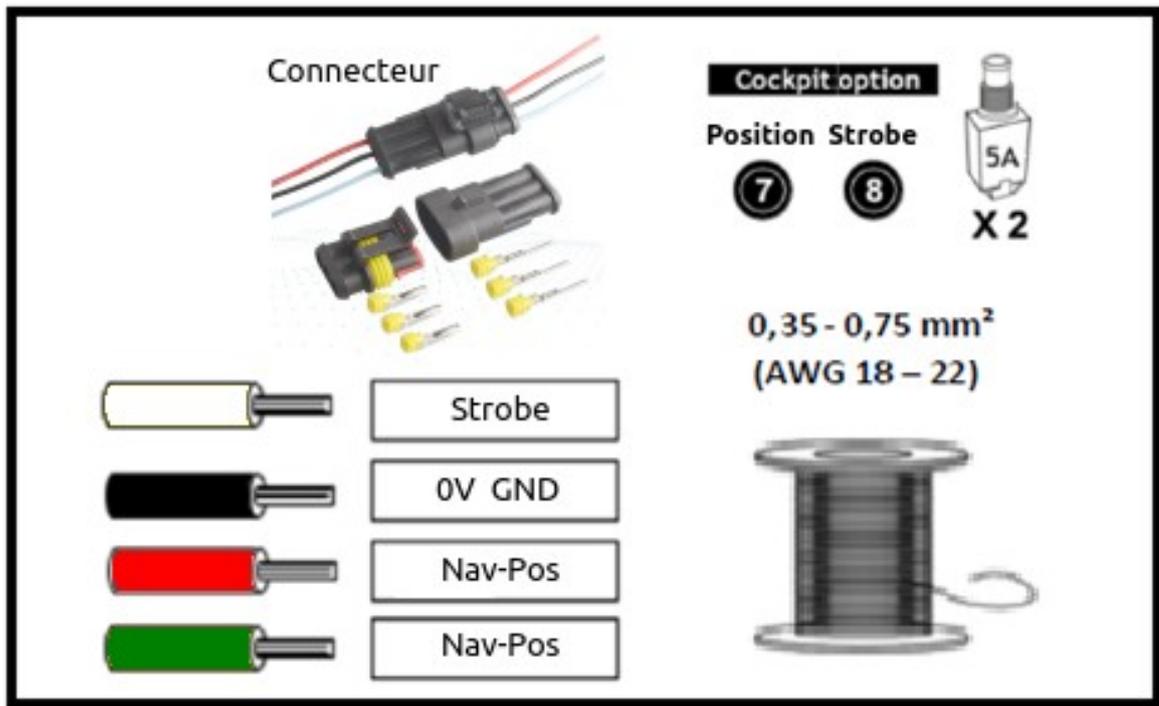
2. Installation Manual

2.1. Inventory



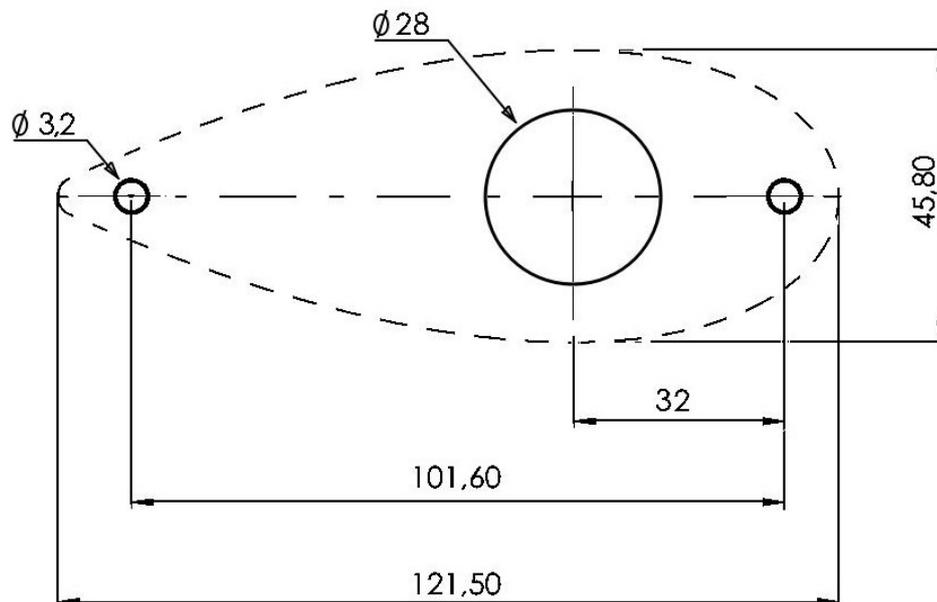
Not included :

Wires, connectors and circuit breaker are not included.



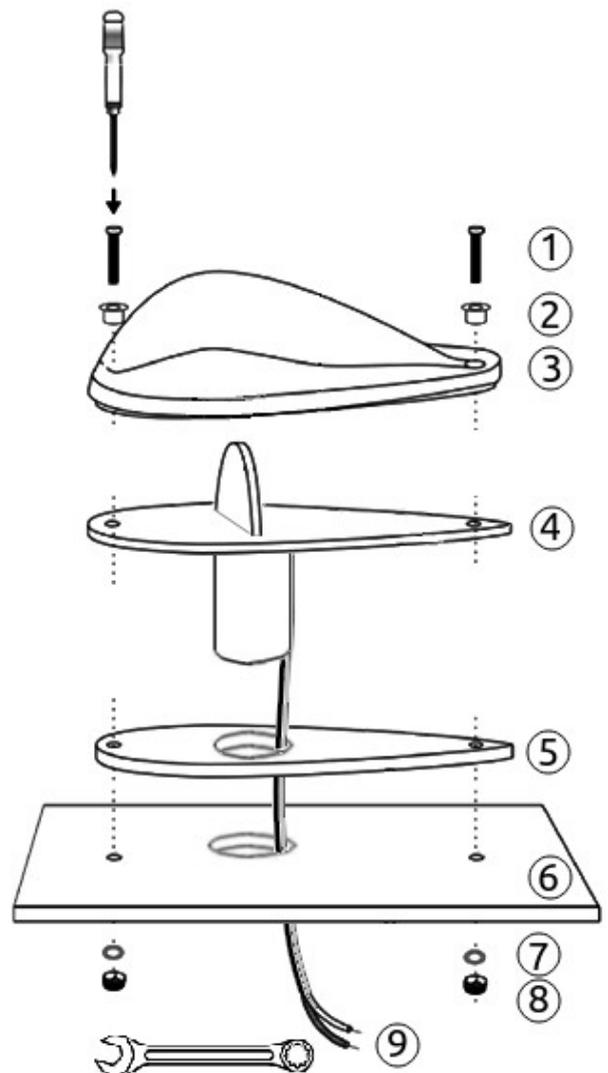
2.2. Strobes Assembly

The chosen location must be reasonably flat. Drill two 3.2 mm diameter holes. If access from the inside will no longer be possible, then install captive nuts or M3 rivet nuts (not supplied). Drill the 28 mm hole (28 to 30 mm, using a step drill bit, a conical drill bit, or a hole saw).

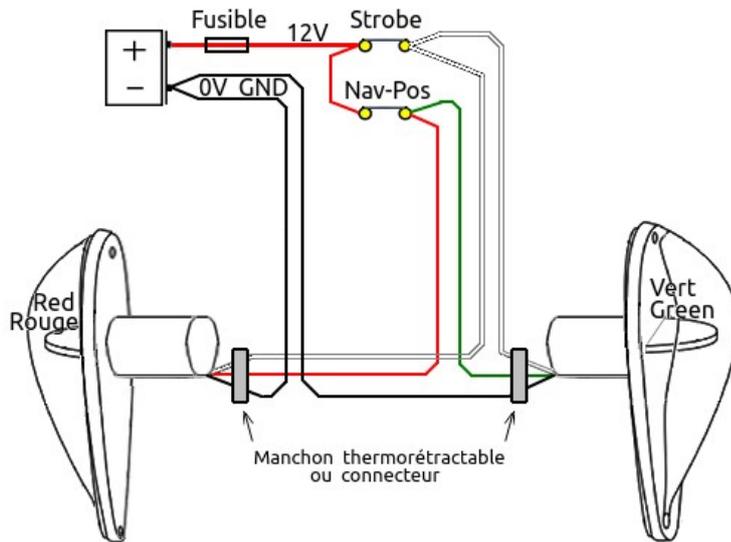


Assembly

- Pass the three wires from the LED board (4) through the hole in the foam (5).
 - Place the lens (3) onto the LED board.
 - Place a PTFE shoulder washer and an M3 screw (2), (1) in each hole.
 - If necessary, put a drop of dish soap or soapy water in the holes in the foam (5) so the screws can turn freely.
 - Connect the strobe (9) to your aircraft's wiring, as detailed below. You can use either the supplied heat-shrink tubing or the connector of your choice.
 - Mount the assembly on the wingtip of your aircraft (6), then place the washers (7) and nuts (8).
- Do not overtighten: just enough for the lens to make contact with the mount to ensure a watertight seal, without tightening further.



Wiring diagram



Connect to the switches/breakers:
The white wires are for the strobes, the red wire is for the left navigation light, and the green wire is for the right navigation light.
Connect the black wires to 0V/GND. Connect the +12V to the switches/breakers (via a fuse).

Electric Connections

- Strip the wires about 5 mm.
- Cross the stripped section over the solder ring.
- Heat with a heat gun until the solder is melted.



3. Other information

- For any information, please contact:

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Our Frequently Asked Questions (FAQ) section is available on our website.
www.raylight.fr

Declare a non-conformity

You can report a non-conformity by returning this completed form to us .

Last Name*	First Name*	
Phone Number*	Email*	
Postal Address*	Country*	
Company*		
Hho made the sale* ?	Has the product been subjected to any shocks or impacts* ?	
Product concerned*		
Invoice or delivery number*		
When did you notice the non-conformity*?	Date noted*	
Comment* Please detail the conditions under which you used the device.		
Locality*	Date*	Signature*

I certify that my statement is correct.

Fields marked with an asterisk (*) are required.

Raylight Technologies reserves the right to accept non-compliance upon receipt of the defective product. Shipping costs for the potentially defective product are the customer's responsibility. If non-compliance is proven, Raylight Technologies undertakes to reimburse the shipping costs. Raylight Technologies will not process any non-compliance reports by telephone or email.