

Fig. 5 Change of the power supply

## 6. MAINTENANCE

Clean the lenses with water and soap and be sure you are using a soft cloth that does not contain rests of particles that could scratch the material.

The steel wool, abrasive or stripper products are not recommended since they could cause damages on the surfaces.

Some alcohols (methanol, ethanol and buthanol) and organic solvents (dissolvent, ketone) are harmful to the material.

FREQUENCY: *Every 2 years.*

## 7. ADDITIONAL INFORMATION

Optic module includes a CE label which indicates the model and product reference, voltage (V), wattage (W), frequency (Hz) and IP protection class.

## 8. TECHNICAL DATA

<b>DIMENSIONS:</b>	5000(Visible part)x140x80 mm. Sv: 0.46m <sup>2</sup>
<b>WEIGHT:</b>	70 kg. (With electrical equipment included)
<b>OPTICS:</b>	1 PCB's with 12 LED's

\* Counting the non-visible part the total large of the structure is 6000mm.

## 9. COMPONENT LIST

List of references and marks of the components needed for the installation and maintenance of the product.

**Note:** Due to variations in the design of the products SETGA can alter the used nomenclature without previous advice

Mark	Name	Description
1	Column	Column in S235JR.
1.1	Fixation bolts	Bolts
2	Optic module	LED Optic assembly
2.1	Diffuser	PMMA lenses.
2.2	LED lighting sys	1 PCB's with 12 LED's
2.3	Tee-Tube connector	3 Pole IP68 Connector
3	Electric Cable	Electric grid cable
4	Power supply	Depends on chosen option
5	Electric Box	-

## SETGA

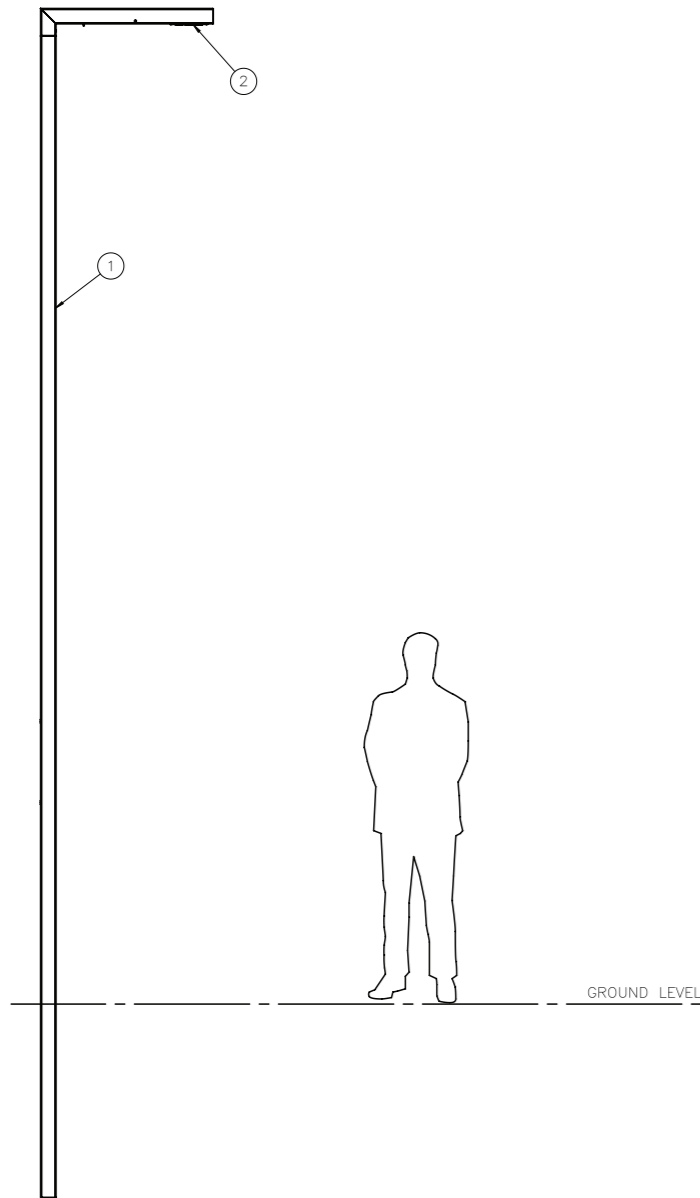
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INSTRUCTIONS FOR USE

**TSD LUMINAIRE**

### 1. SUPPLY & PUTTING UP THE COLUMN

A TSD luminaire.  
The luminaire is supplied with its two main components that are the column and the optic module. **See Fig. 1.**  
Bury the inferior part of the column making sure the whole structure remains vertical.  
Once this is done, bury the bottom part of the column with concrete and the 4 brackets placed there will give stability to the piece.



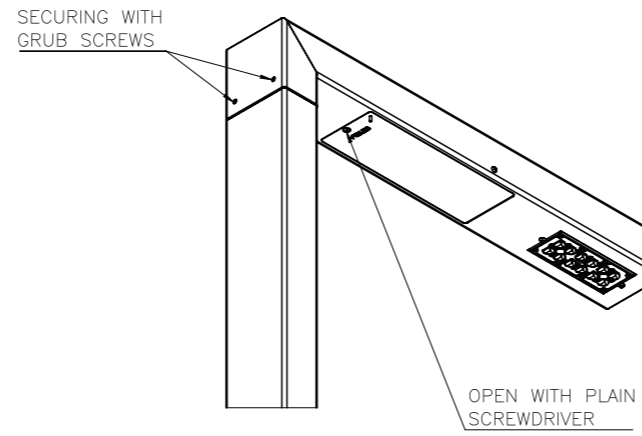
1. Column.  
2. Optic module.

Fig. 1 Components

### 2. MOUNTING AND FIXING THE BEACON

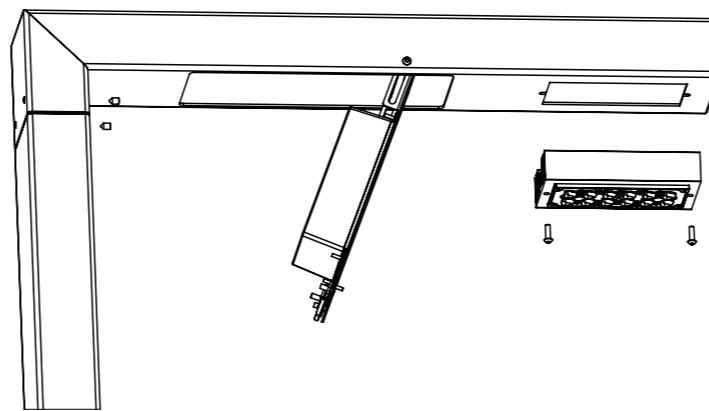
Place bracket on top of the column and screw the grub bolts.

**See Fig. 2.**



### 3. PUTTING UP THE POLE & CONNECTION.

Connect the main power cable in the IP box (or in the driver through the connector) to make the product functional. The connection between the driver and the optical module will be done and supplied by the manufacturer. **See Fig. 3**



**CONNECTION**  
The electrical connection is made through the connector supplied for that purpose.  
Check earthing.  
Follow the instructions in the manual of the connector.

Fig. 3 Putting up the column.

### 4. CHANGES IN OPTIC MODULE

In case of damage in any of the LEDs inside the optic module simply open the registry door of the bracket, disconnect the main power, disconnect the led module from the driver and unscrew the 2 bolts that fixate the optic module to the bracket. **See Fig. 4.**

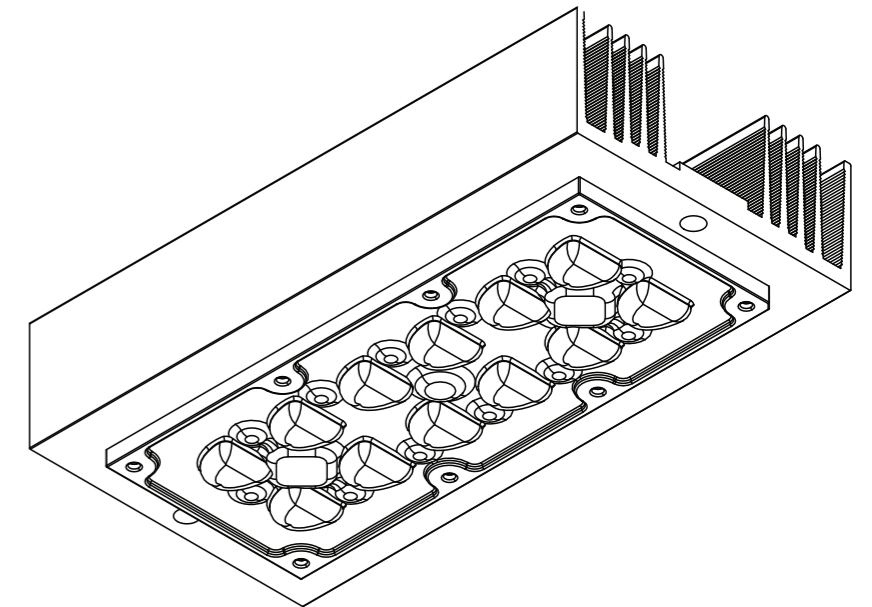


Fig. 4 Extraction of the optical module

### 5. CHANGE OF THE POWER SUPPLY

If the power supply needed any manipulation or should be changed for any reason, just open the door in the column with the tallen tool, (disconnect the cables if necessary) unscrew the nuts and extract the power supply and the plate that is supporting it. After that, unscrew the bolts that are fixating the power supply to the plate. **See Fig. 5**