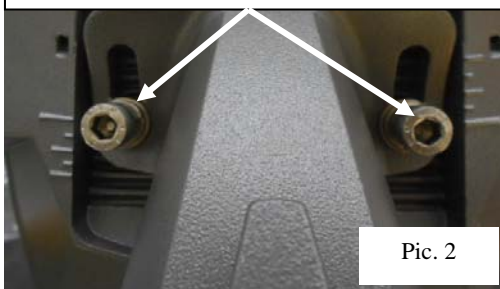


Pic. 1

M12 screws + split washer and plain washer  
 Set screw wrench: 10mm  
 Twisting moment: 15Nm



Pic. 2

## MOUNTING AND MAINTENANCE INSTRUCTION

### Post-top or bracket mounting

ITALO 3 is equipped with an universal attachment (post-top or bracket mounting).

- Attachment  $\varnothing 60-76\text{mm}$  /  $\varnothing 2-3/8"$  - 3"

Place correctly the attachment as indicated in Pic. 5A (Post-top) or in Pic. 5B (Bracket).

Fix the attachment to the luminaire with the two M12 screws as indicated in Pic. 2.

Possible to tilt:

- Post-top mounting:  $0^\circ, +5^\circ, +10^\circ, +15^\circ, +20^\circ$
- Bracket mounting:  $0^\circ, -5^\circ, -10^\circ, -15^\circ, -20^\circ$

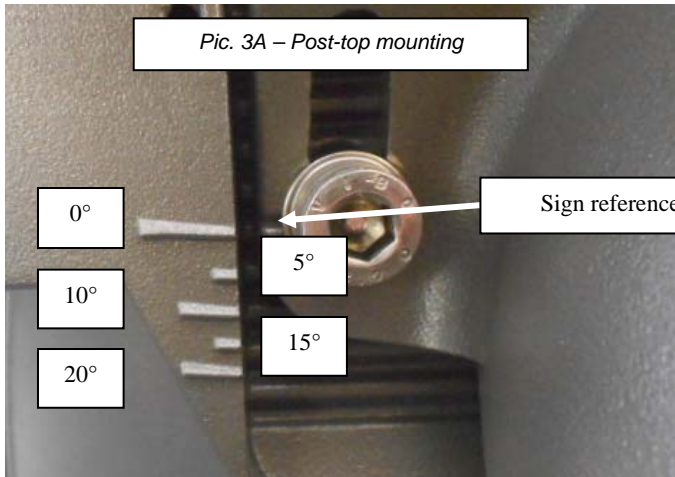
Use the proper sign as indicated in Pic. 3A and 3B.

The regulation of the luminaire can to be done loosening the two screws (Pic. 2).

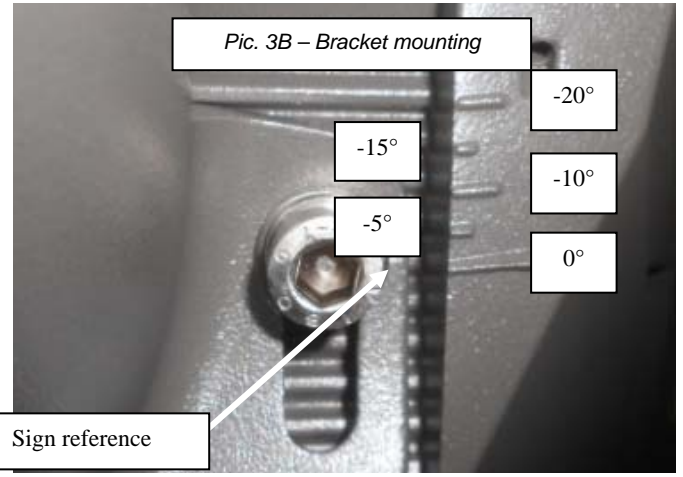
Fix the attachment to the post-top or to the bracket as indicated in Pic. 4.

To avoid any possible unscrewing of set screws, four M10 (3/8") nuts have to be tightened on the set screws as indicate in Pic. 4.

Pic. 3A – Post-top mounting

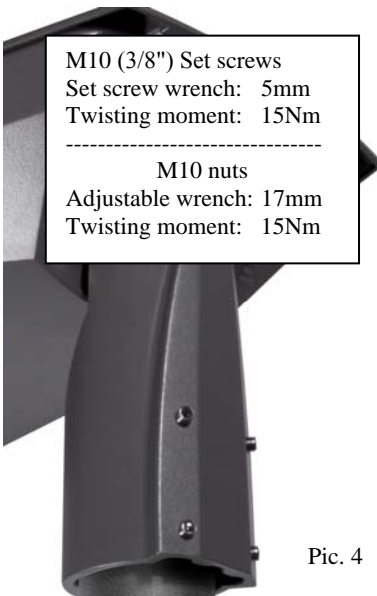


Pic. 3B – Bracket mounting

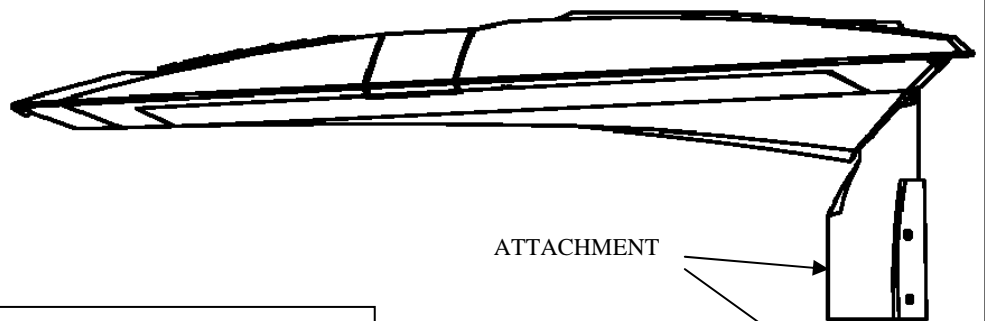


M10 (3/8") Set screws  
 Set screw wrench: 5mm  
 Twisting moment: 15Nm

M10 nuts  
 Adjustable wrench: 17mm  
 Twisting moment: 15Nm



Pic. 4



Pic. 5A – Post-top mounting



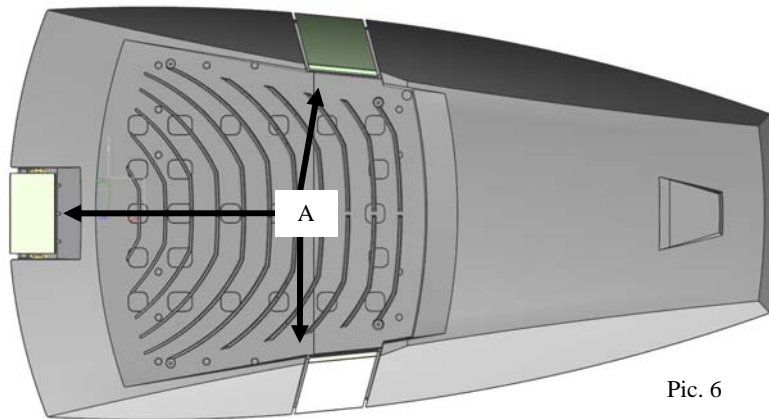
Fig. 5B – Bracket mounting

## Electrical line connection

To gain access to the electrical line, unlock the 3 closing hooks (A – Pic. 6) and lift the upper frame up to the action of the two hinges.

- **Luminaire with cable gland:** follow the directions in Pic. 8. You **must** secure the external cable by tightening plastic holder on the "on-load switch".
- **Luminaire with membrane:** follow the directions in Pic. 9. You **must** secure the external cable by tightening plastic holder on the "on-load switch".

In case the luminaire is equipped with PLM device, before closing the luminaire, annotate the serial number of the device.



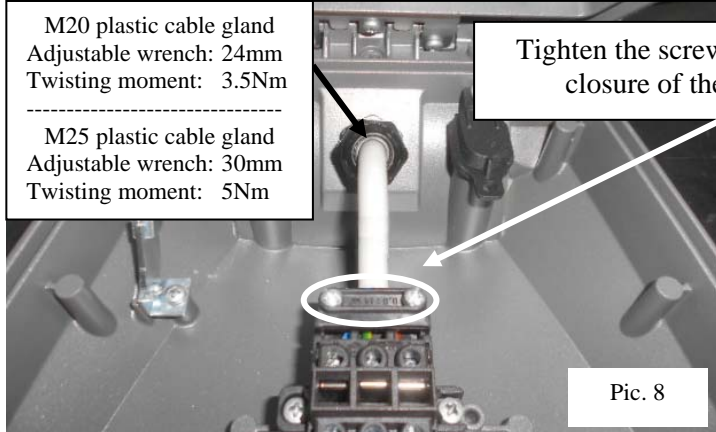
Pic. 6

### CABLE GLAND

M20 plastic cable gland  
Adjustable wrench: 24mm  
Twisting moment: 3.5Nm

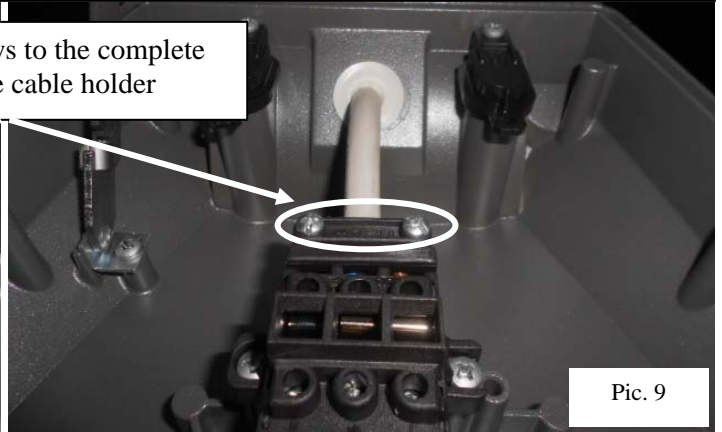
M25 plastic cable gland  
Adjustable wrench: 30mm  
Twisting moment: 5Nm

Tighten the screws to the complete closure of the cable holder



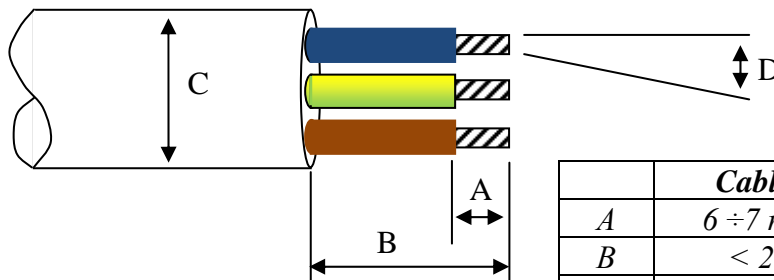
Pic. 8

### MEMBRANE

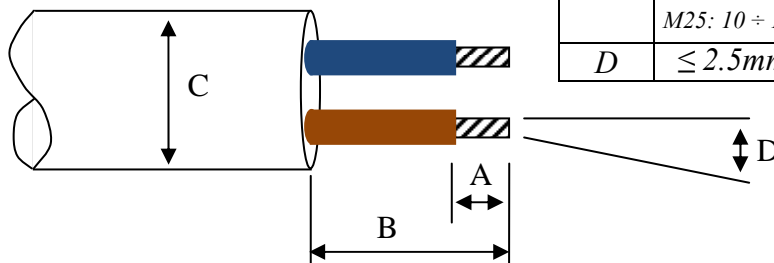


Pic. 9

### CLASS I



### CLASS II



|   | Cable gland   | Membrane               |
|---|---|------------------------|
| A | 6 ÷ 7 mm / 1/4"   | 6 ÷ 7 mm / 1/4"        |
| B | < 25mm / 1"   | < 25mm / 1"            |
| C | M20: 8 ÷ 12mm / .31" ÷ .47"<br>M25: 10 ÷ 17mm / .39" ÷ .67" | 8 ÷ 12mm / .31" ÷ .47" |
| D | ≤ 2.5mmq / 12AWG  | ≤ 2.5mmq / 12AWG       |

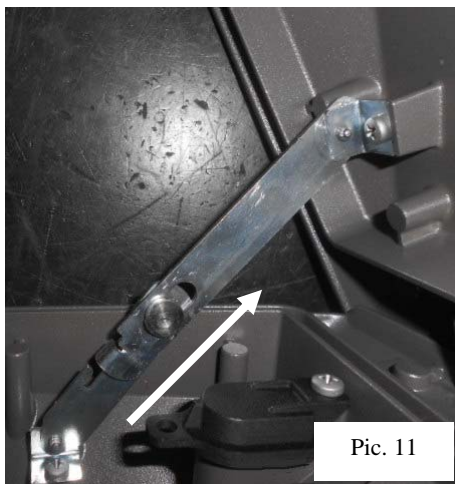
## Luminaire closure

To close the luminaire, follow the directive from Pic. 10 to Pic. 12.



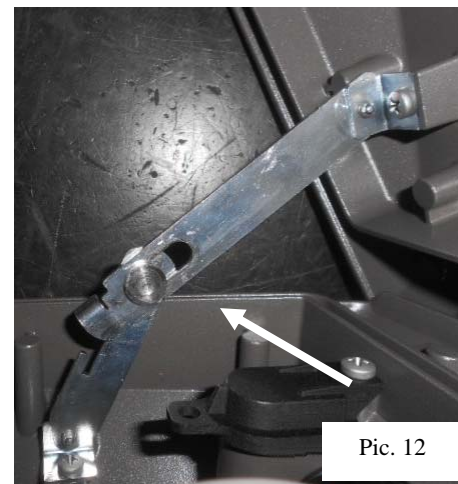
Pic. 10

Initial position



Pic. 11

Lift the upper frame



Pic. 12

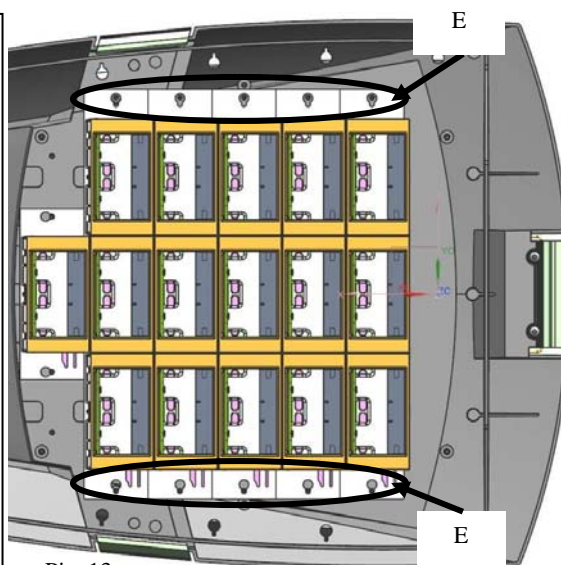
Unlock the two hinges and move down the upper frame

## LED modules extraction

- 1) Disconnect the LED connectors (C);
- 2) Loosen the screws (E)
- 3) Extract the LED modules.

## LED module repositioning

- 1) Replace in the original position the LED modules;
- 2) Tighten the screws (E);
- 3) Connect the LED connectors (C).



Pic. 13

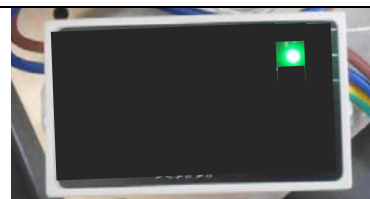
## SPD MAINTENANCE

The protection device is equipped with system that excludes power supply at the end of life of the luminaire.

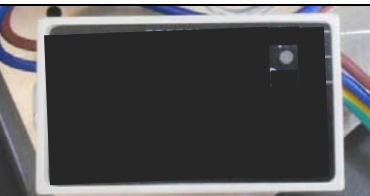
If the luminaires switches-off when the system is still fed, the activity of the protection device should be checked looking at signaling LED.

To check this, use the appropriate tool asked the manufacturer for instructions.

### LED ON \_ Right functioning of the SPD



### LED OFF \_ End of life SPD, replace the SPD

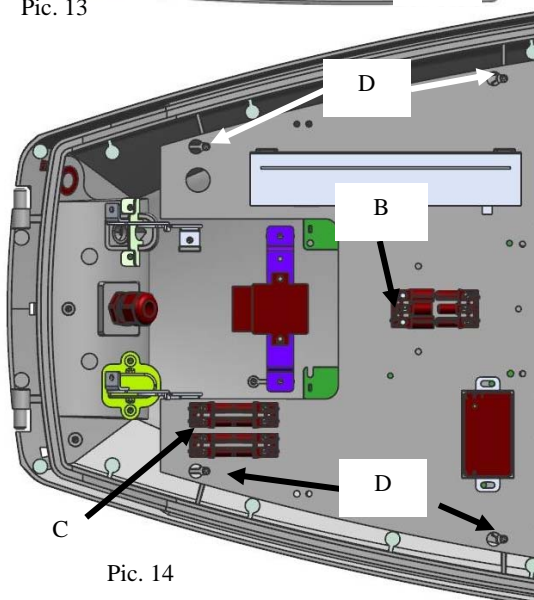


## Gear tray extraction

- 1) Disconnect the mains connector (B)
- 2) Disconnect the LED connectors (C);
- 3) Loosen the 4 screws (D)
- 4) Extract the gear tray.

## Gear tray repositioning

- 1) Replace in the original position the gear tray;
- 2) Tighten the 4 screws (D);
- 3) Connect the LED connectors (C);
- 4) Connect the mains connector (B).



Pic. 14



# MOUNTING AND MAINTENANCE INSTRUCTION



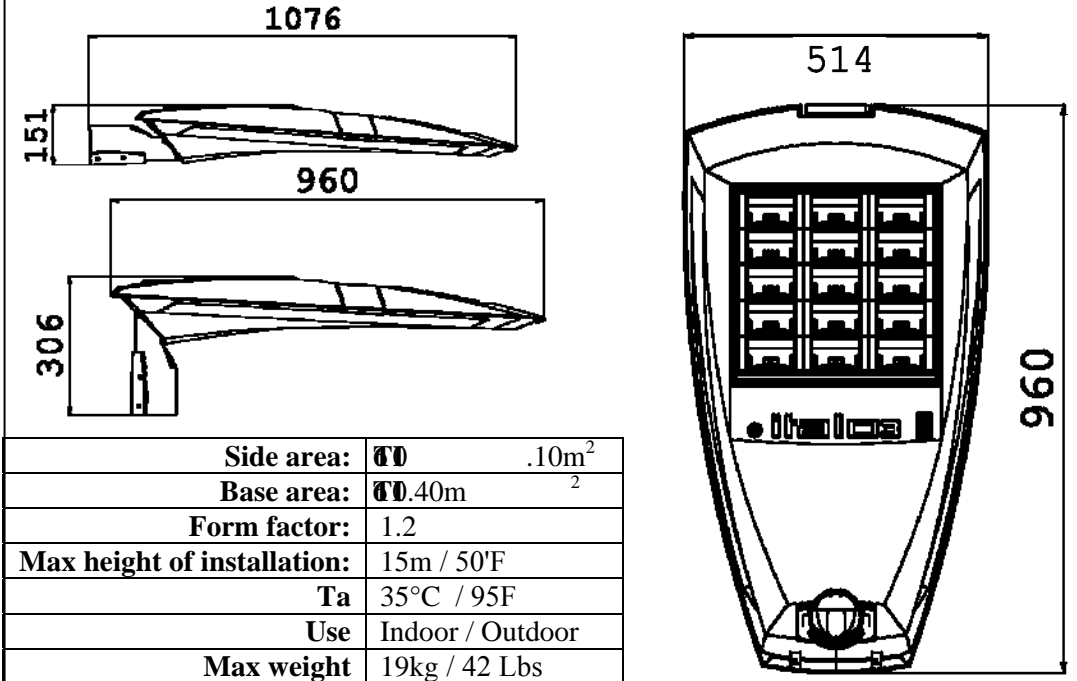
ITALO 3\_IM\_ENG - Rev.04 of 27/10/14

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ITALO 3 luminaire is classified under "EXEMPT GROUP" according to photobiological safety standard IEC/EN 62471.

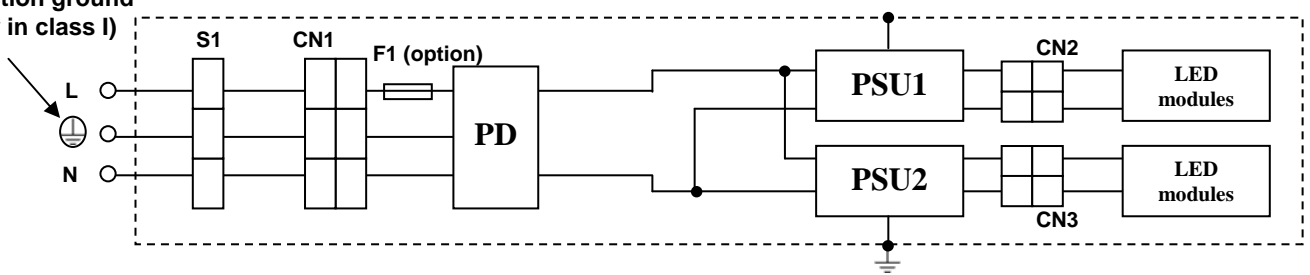
**NO RISK** for the operators and end users.



The crossed-out wastebasket symbol on the appliance means that at the end of its useful lifespan, the product must be disposed of separately from ordinary household wastes. The user is responsible for delivering the appliance to an appropriate collection facility at the end of its useful lifespan. Appropriate separate collection to permit recycling, treatment and environmentally compatible disposal helps prevent negative impact on the environment and human health and promotes recycling of the materials making up the product. For more information on available collection facilities, contact your local waste collection service.

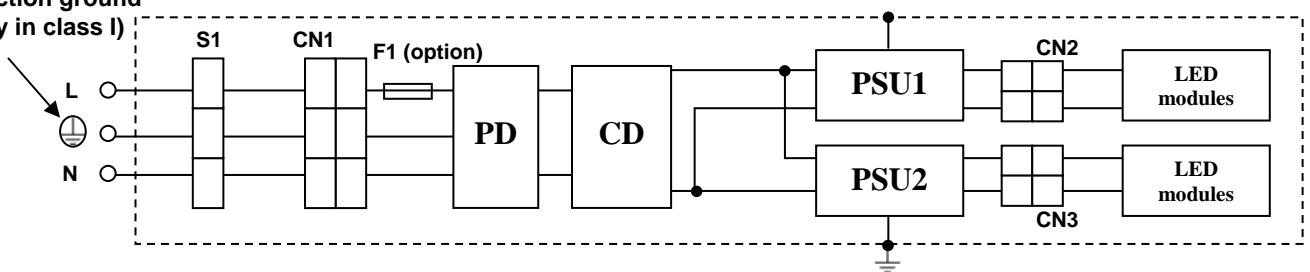
Protection ground (only in class I)

### WIRING SCHEME



Protection ground (only in class I)

### WIRING SCHEME WITH PLM



|    |  |     |                   |
|----|--|-----|-------------------|
| F  | Fuse 110Vac 10A (provide the fuse externally if not supplied with the luminaire) | PD  | Protection device |
| CN | Connector  | CD  | Control device    |
| S  | On-load switch   | PSU | Power Supply      |

### NOTE

- The luminaire can be installed close to flammable surfaces.
- Class II luminaires must be installed in such a way that it is impossible for any exposed metal part to come in contact with electrical components.
- The device has been designed in compliance with the current standards; it is necessary that the installation is done properly, according with the instructions supplied.
- The present instruction paper has to be kept for any future maintenance operation on the luminaire. Non compliance with the above will automatically release AEC Illuminazione from any responsibility.

