

## surface/suspended mounting

To ensure correct use, please read these instructions carefully.

- All luminaires must be installed by a qualified electrician.
- Installation and replacement of damaged luminaires, cleaning and other service works must be carried out by a qualified personnel with power disconnected.
- Make sure the wires or cables are connected to the corresponding connector terminals. For luminaires with emergency power module, use an additional connector between the battery and the converter.
- Any work related to LED Modules must be done in electrostatic gloves. None of their use may result in loss of warranty.

### **WARNING:**

The selection of the right assembly elements (e.g. mounting dowels) suitable for the mounting surface belongs to the installer.

For safety reasons, it is necessary to read these instructions before starting the assembly. The instructions should be kept for future purposes. The fitting being the subject of these instructions must be used according to its original purpose. Fittings can be installed only by persons who are trained and duly authorized to do so.

1. The Producer has the exclusive right to introduce modifications to the product.
2. The Producer shall not be held liable for the following:
  - damages which occur after the product has been modified by a user,
  - damages to the product resulting from installation not carried out in compliance with the instruction for assembly, installation by unauthorized persons or damages resulting from unsuitable storage,
  - the product getting dirty during assembly if the person carrying out the assembly does not wear disposable gloves.
3. While mounting luminaires stiffness and carrying capacity provided by ceiling manufacturers have to be taken into consideration. (uniformly distributed load and concentrated force load)

### **WARNING:**

Ceiling-type fittings must not be covered with an insulating mat

### **Maintenance**

During the exploitation period of lighting it is necessary to inspect the fittings in order to detect malfunctions and mechanical damages, as well as impurities, in particular those of elements in the optical system.

1. Before proceeding to the inspection of a fitting, the power supply must be turned off.
2. Elements of the fitting which get used up or damaged in the course of standard exploitation must immediately be replaced with new and defect-free elements.
3. The fitting and its elements (glass, painted surface) can be cleansed with biodegradable liquids using soft washcloth and after removing impurities they need to be dried (with a dryer or wiped with a dry washcloth). OPAL and MPR surfaces, rasters, reflectors should be blown over with compressed air. Lighting fixtures used to illuminate the premises and the surface.
4. Any work related to LED Modules must be done in electrostatic gloves. None of their use may result in loss of warranty.

The fittings do not pose any threats to the safety of humans or property, provided that they are properly installed, maintained and used in compliance with their original purpose.

### **The use of lighting fittings produced by Millia Light.**

Lighting fittings produced by Millia Light are aimed for use in standard conditions, with the exception of special-purpose fittings. Standard conditions are featured by ambient temperature of  $+5^{\circ}\text{C} \div +35^{\circ}\text{C}$  pressure of 960-1020 hPa, and humidity of 10 - 75%. Such conditions prevail on the European territory.

The fittings should not be used, if the environmental conditions could harm the structure of a fitting, top coats or electronic component parts placed inside the fitting, causing malfunction of the fitting. The luminaires are tested and comply with the EN-60598-1 standard.

The risks factors include i.e. high temperature, excessive humidity, dustiness, the presence of chemically significant substances in the atmosphere (chlorine, salt, acids, alkali), vibrations, shock, UV radiation, electromagnetic fields. The fittings must be used according to their original purpose. They must be installed according to the installation instructions, solely by persons authorized to do so.

### **Notice:**

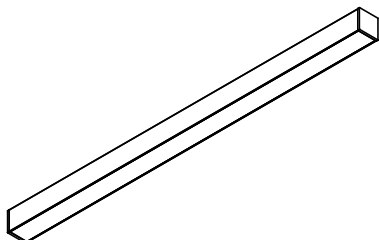
In luminaires with a OPAL or MPR diffuser, the diffusers are cut 1mm/1m shorter than the length of the profile due to thermal expansion of the diffuser. In OPAL, MPR, Asym, Louvre luminaires it is not allowed to install the luminaire with the shutter by pressing the shutter!

### **Source of light**

The light source used in this luminaire should be replaced only by the manufacturer or his service representative or a similarly qualified person.

1

PROLINE 45



2

surface mounting

Surface mounting

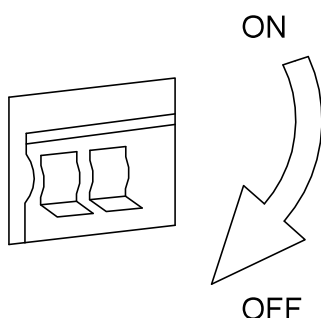
Points 3 - 18

Suspended mounting

Points 19 - 62

3

Turn off power supply



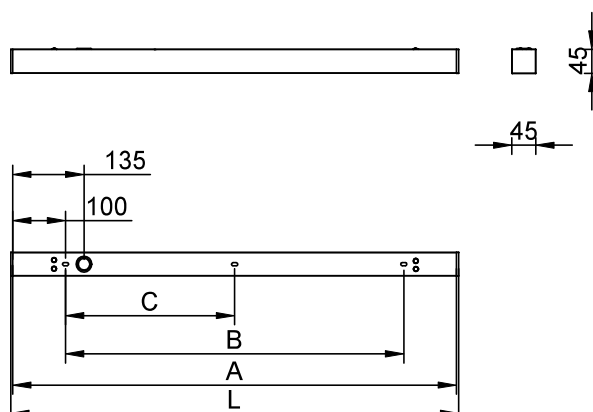
4

Mounting holes - dimensions

L - total luminaire length

A - luminaire length without end caps

B, C - hole spacing



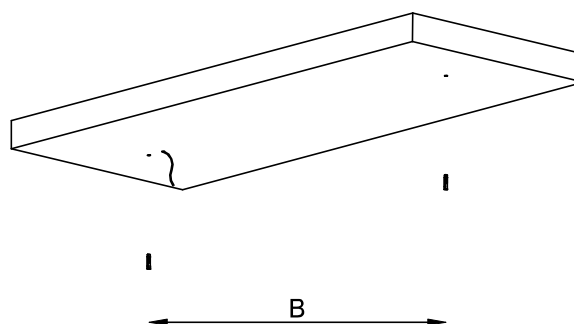
5

Mounting holes - dimensions

A	B	A	B	C
561	361	3081	2881	1440
841	641	3361	3161	1580
1121	921	3641	3441	1720
1401	1201	3921	3721	1860
1681	1481	Non-standard lenght - real measure		
1961	1761			
2241	2041			
2521	2321			
2801	2601			

6

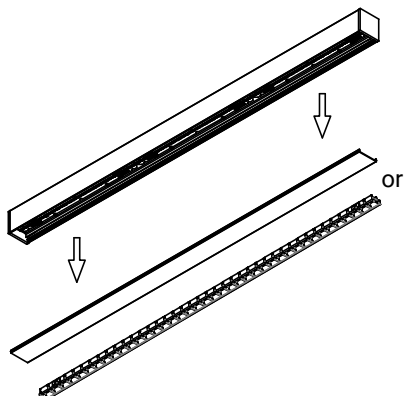
Trace and drill mounting holes, use suitable dowels and screws for the given surface



surface mounting

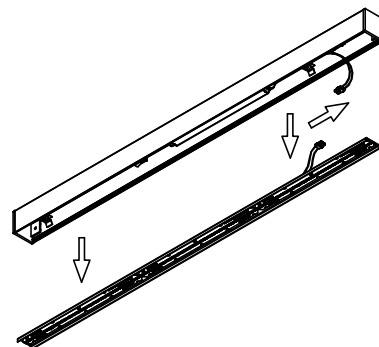
7

Remove the diffuser or the louvre from the housing (it is necessary to use protective gloves)



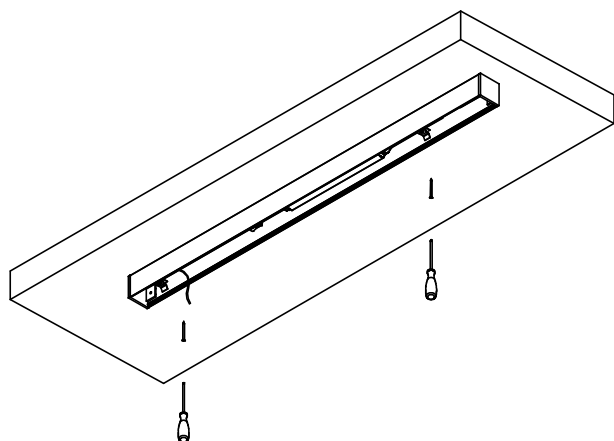
8

Remove the reflector with LED modules from the luminaire (magnet mount) disconnect the electrical quick coupler



9

Pass the luminaire power cable, fasten the luminaire to the surface

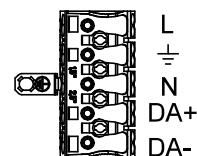
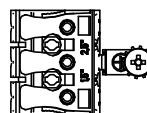


10

Connect the power supply in the accordance to markings (On/Off or DALI)



L  
N



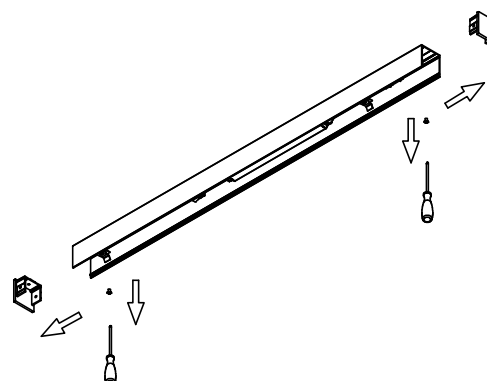
L  
N  
DA+  
DA-

Points 11 -14

only if several fittings are installed in line

11

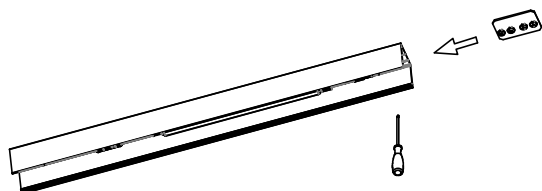
Unscrew the screws blocking the end caps in the luminaire, remove the end caps (if installed)



surface mounting

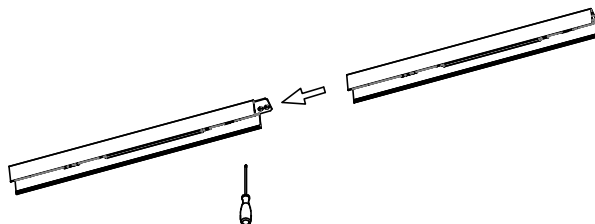
**12**

Place the line connector into the housing, tighten the screws



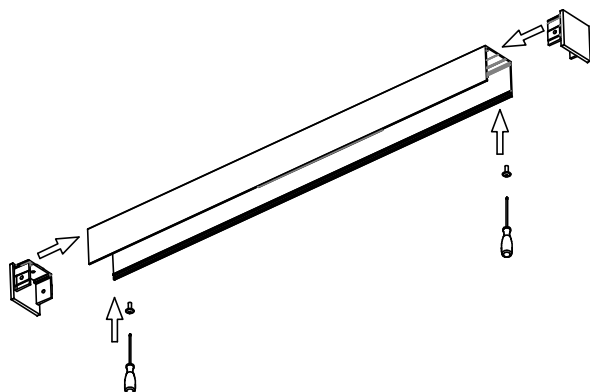
**13**

Attach the second fitting. Wedge the line connector in the housing by tightening the screws. Connect the quick couplings between the two fittings (if provided)



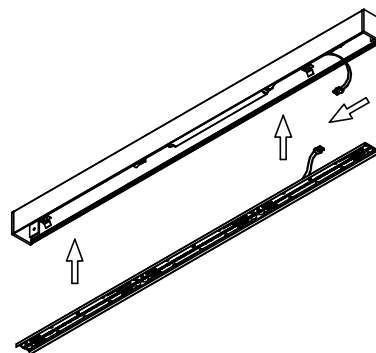
**14**

Mount end caps, screw to the luminaire body



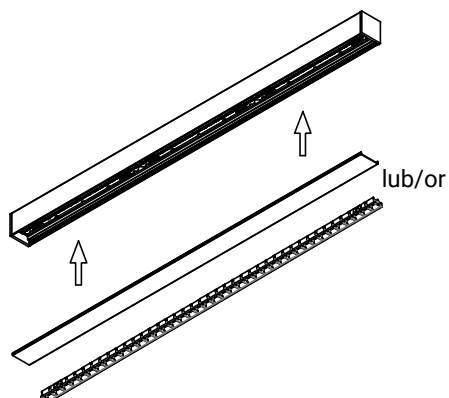
**15**

Connect the electrical quick coupler to the reflector with LED modules, insert the reflector into the housing



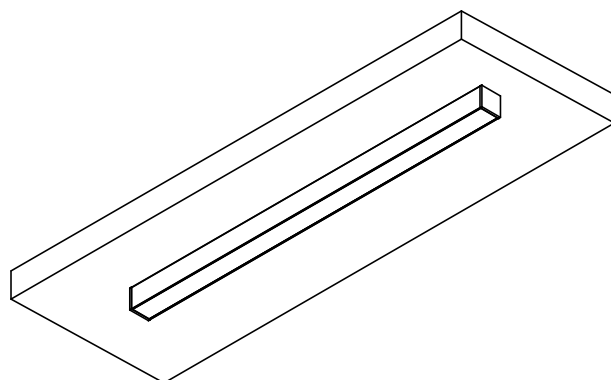
**16**

Mount the diffuser or louvre into the luminaire (it is necessary to use protective gloves)



**17**

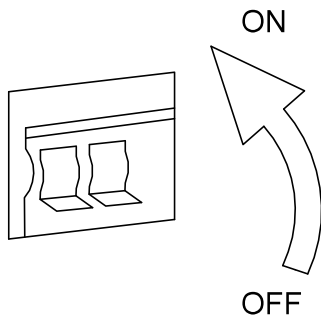
Clean the luminaire



surface mounting

18

Turn on power supply

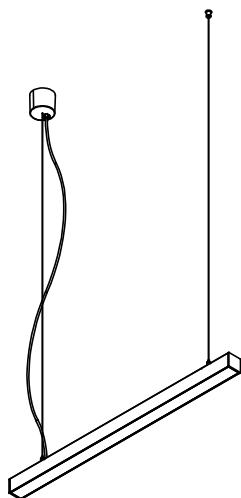


Non-standard lenght

Real measure

19

PROLINE 45



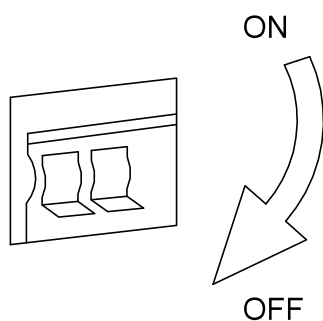
20

suspended mounting

If the luminaire is assembled by the manufacturer follow the points in the remaining 21- 35  
in other cases please follow the points 36-62

21

Turn off power supply



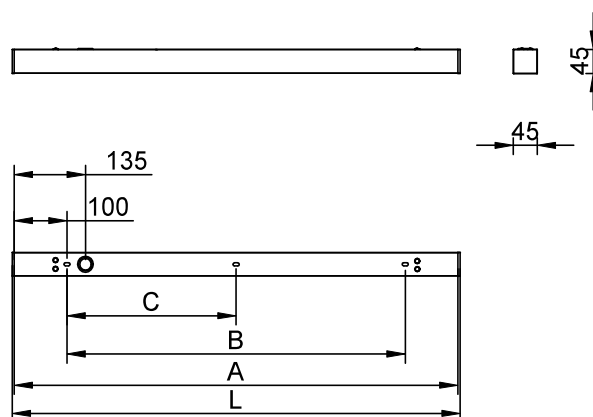
22

Mounting holes - dimensions

L - total luminaire length

A - luminaire length without end caps

B, C - hole spacing



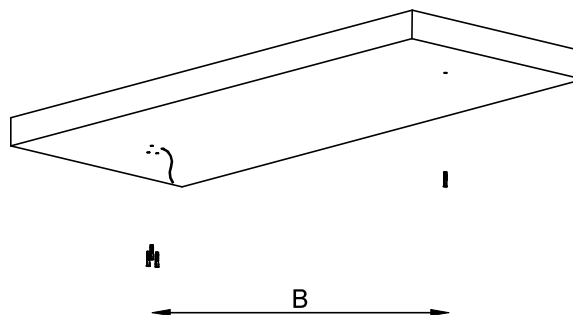
23

Mounting holes - dimensions

A	B	A	B	C
561	361	3081	2881	1440
841	641	3361	3161	1580
1121	921	3641	3441	1720
1401	1201	3921	3721	1860
1681	1481	Non-standard lenght - real measure		
1961	1761			
2241	2041			
2521	2321			
2801	2601			

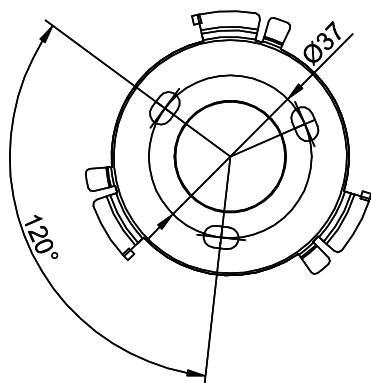
24

Trace and drill mounting holes, use suitable  
dowels  
and screws for the given surface



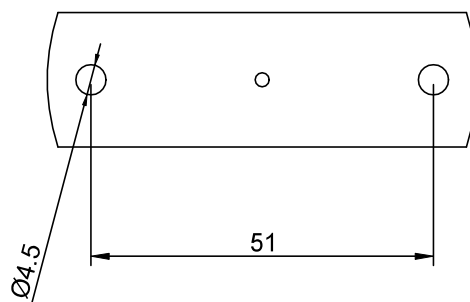
25

Ceiling mounting base - version A  
Mark and drill the mounting holes for soffits



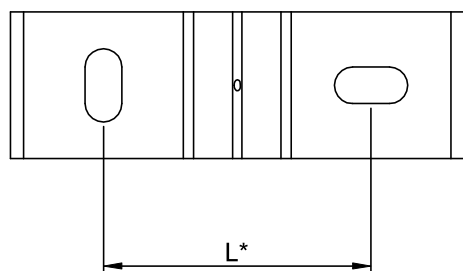
26

Ceiling mounting base - version B  
Mark and drill the mounting holes for soffits



27

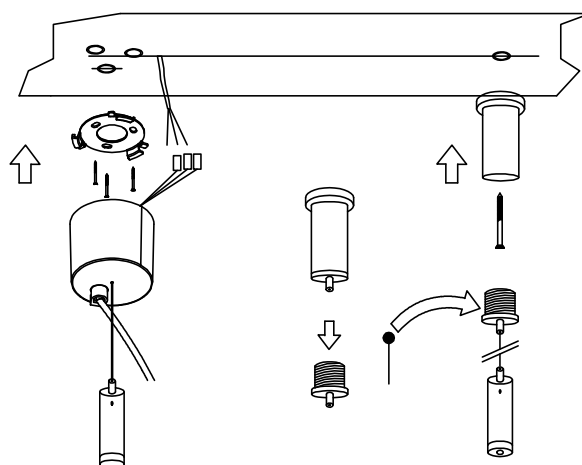
Ceiling mounting base - version C  
Mark and drill the mounting holes for soffits



\*depending on the diameter of the base: fi=50mm - L=25mm; fi=70mm - L=40mm

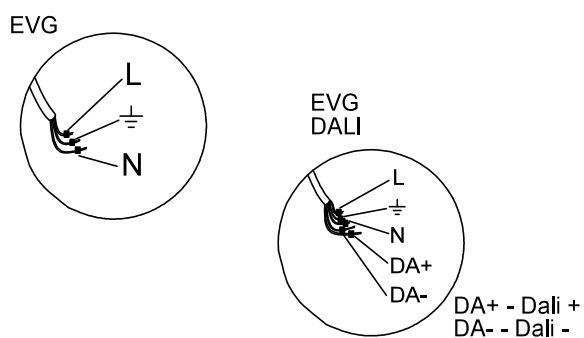
28

Mount the brackets to the ceiling



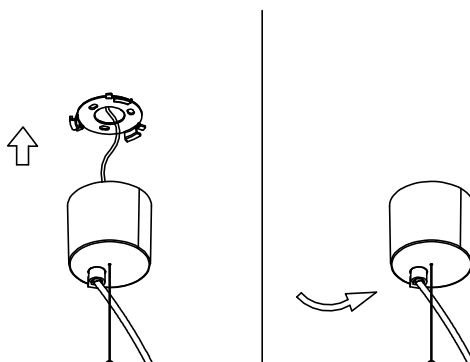
29

Connect the power supply in the ceiling base accordingly to markings (On/Off or DALI version)



30

ver. A  
Pull the cover of the ceiling base to the ceiling and lock it by turning

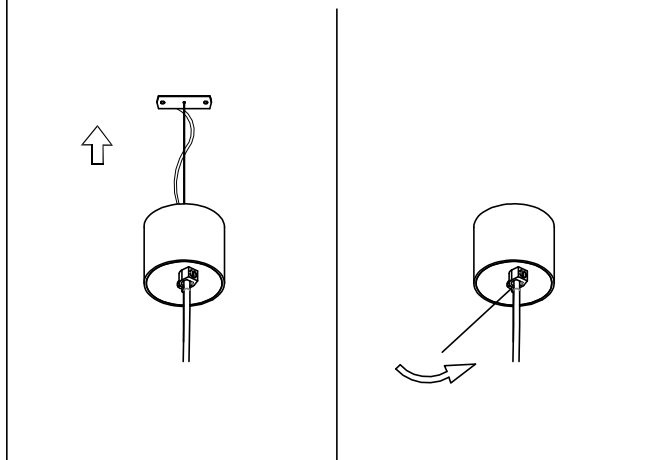


suspended mounting

31

ver. B

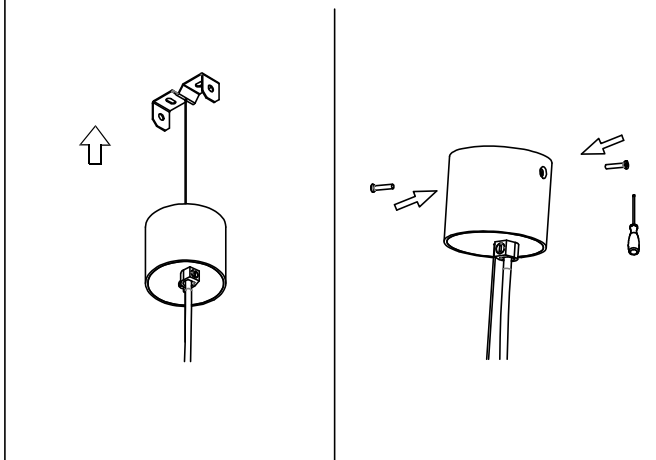
**Pull the cover to the ceiling and lock it by turning stopper**



32

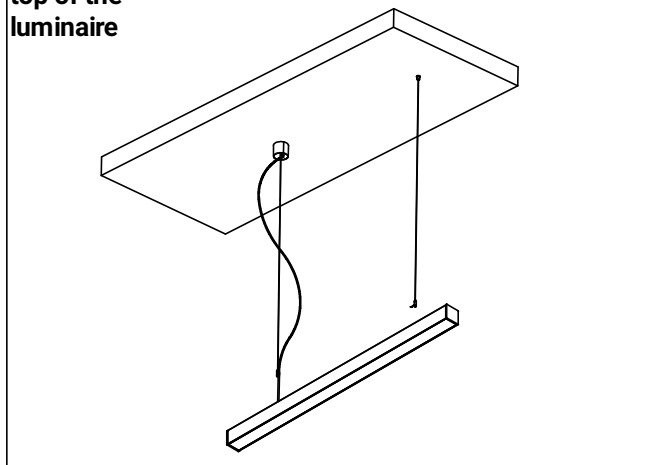
ver. C

**Pull the cover to the ceiling, tighten the screws**



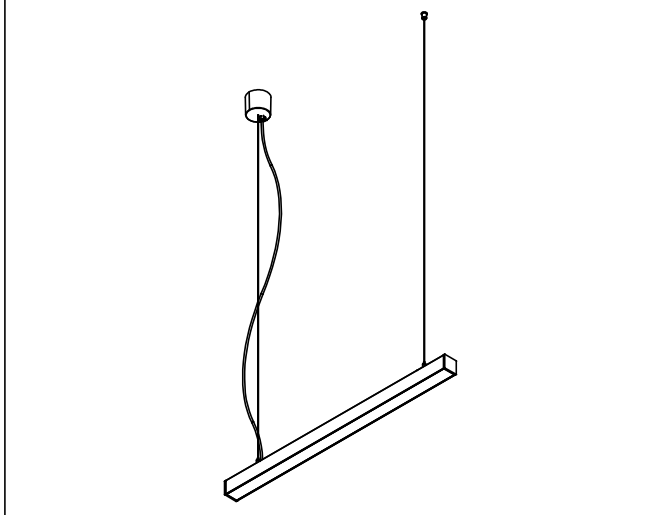
33

**Hang the luminaire on the prepared lines, tighten the cable locks to the screws protruding from the top of the luminaire**



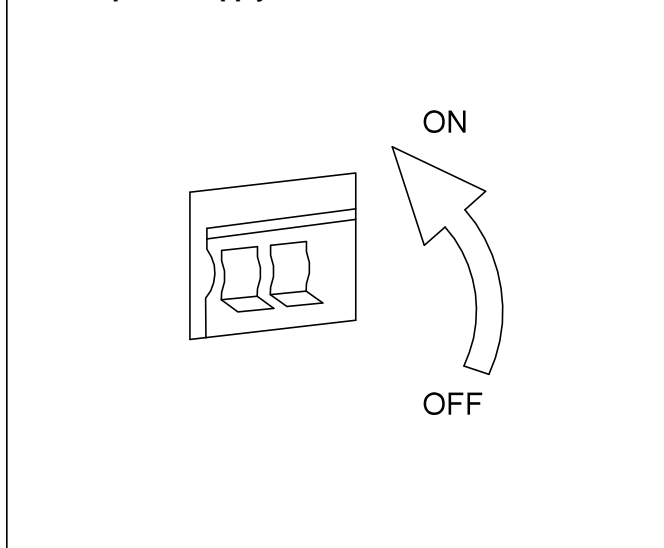
34

**Clean and level the luminaire**



35

**Turn on power supply**

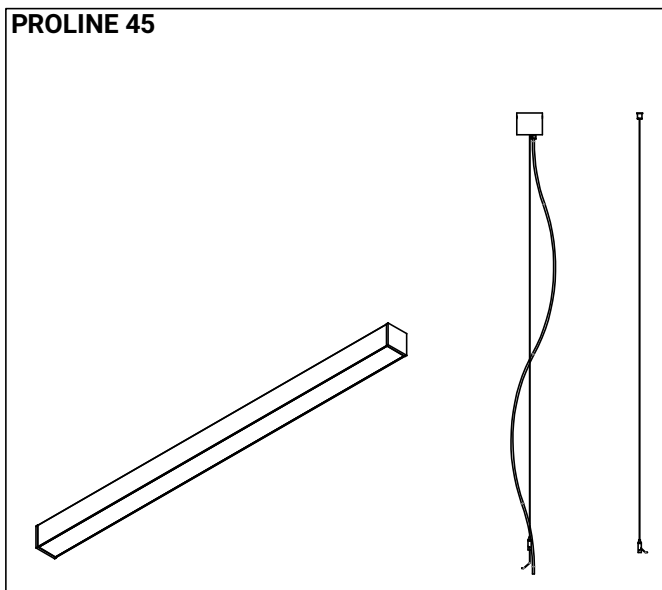




suspended mounting

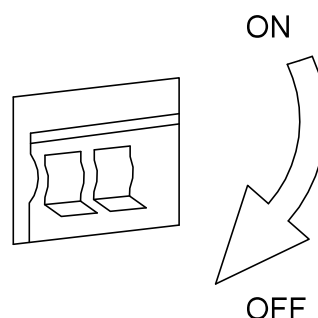
36

PROLINE 45



37

Turn off power supply



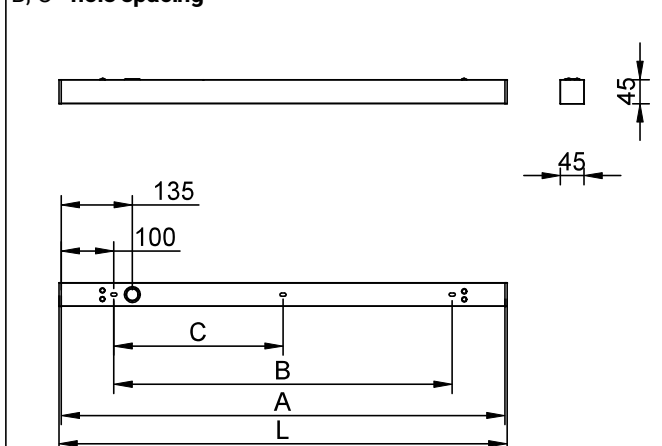
38

Mounting holes - dimensions

L - total luminaire length

A - luminaire length without end caps

B, C - hole spacing



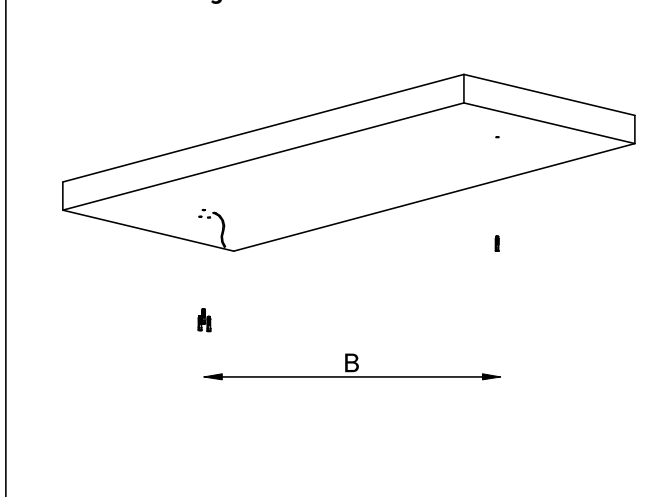
39

Mounting holes - dimensions

A	B	A	B	C
561	361	3081	2881	1440
841	641	3361	3161	1580
1121	921	3641	3441	1720
1401	1201	3921	3721	1860
1681	1481	Non-standard lenght - real measure		
1961	1761			
2241	2041			
2521	2321			
2801	2601			

40

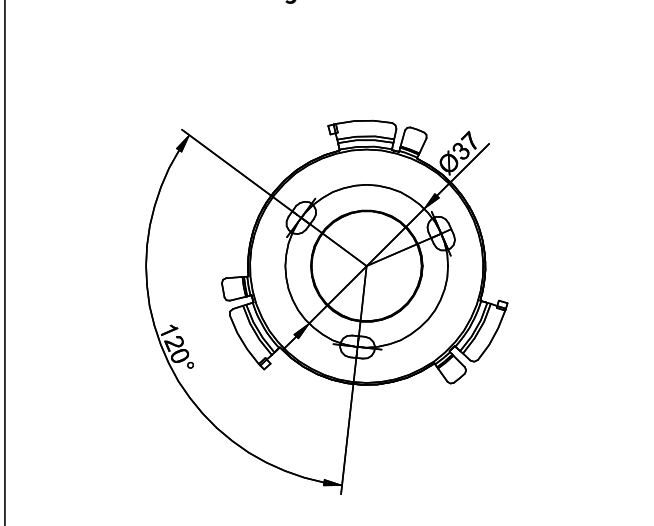
Trace and drill mounting holes, use suitable  
dowels  
and screws for the given surface



41

Ceiling mounting base - version A

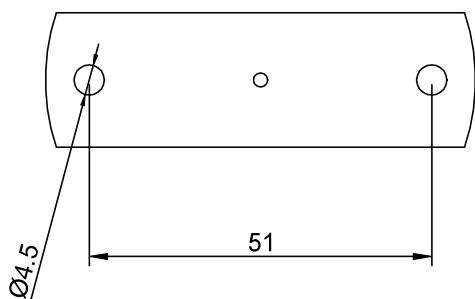
Mark and drill the mounting holes for soffits



suspended mounting

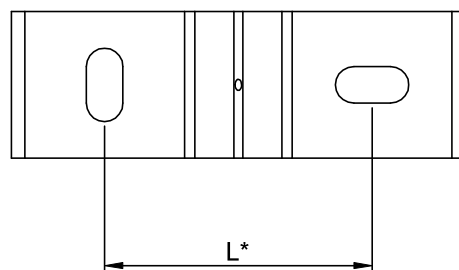
42

**Ceiling mounting base - version B**  
**Mark and drill the mounting holes for soffits**



43

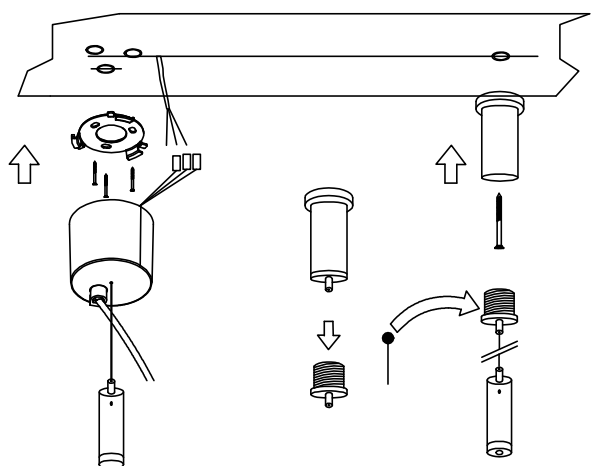
**Ceiling mounting base - version C**  
**Mark and drill the mounting holes for soffits**



\*depending on the diameter of the base:  $\varnothing 50\text{mm}$  -  $L=25\text{mm}$ ;  $\varnothing 70\text{mm}$  -  $L=40\text{mm}$

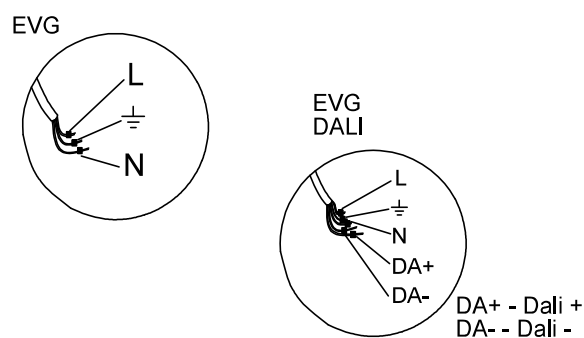
44

**Mount the brackets to the ceiling**



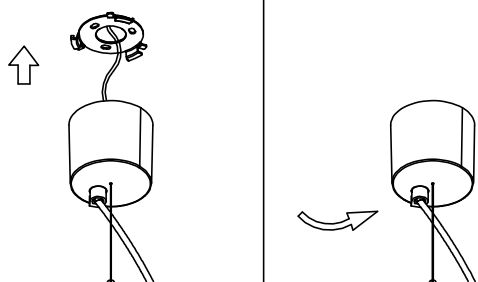
45

**Connect the power supply in the ceiling base accordingly to markings (On/Off or DALI version)**



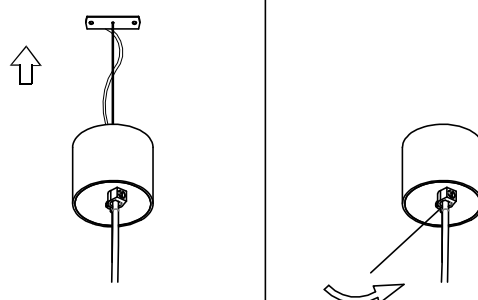
46

**ver. A**  
**Pull the cover of the ceiling base to the ceiling and lock it by turning**



47

**ver. B**  
**Pull the cover to the ceiling and lock it by turning stopper**

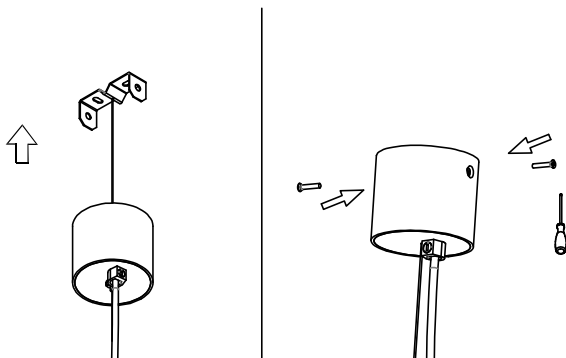


suspended mounting

48

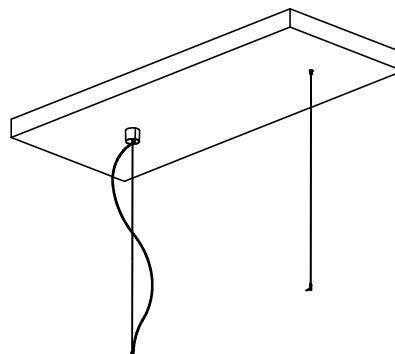
ver. C

**Pull the cover to the ceiling, tighten the screws**



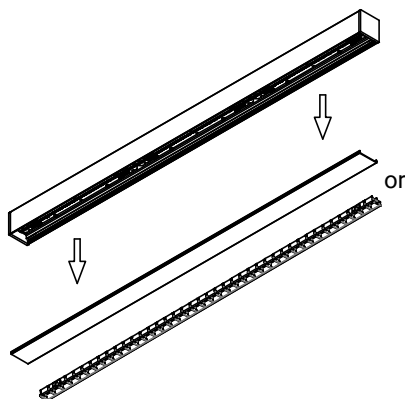
49

**Prepare the suspensions, proceed with the installation of the luminaire**



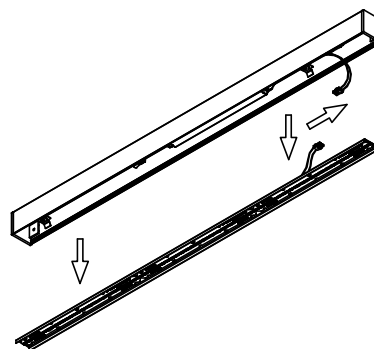
50

**Remove the diffusor or louvre from the housing (it is necessary to use protective gloves)**



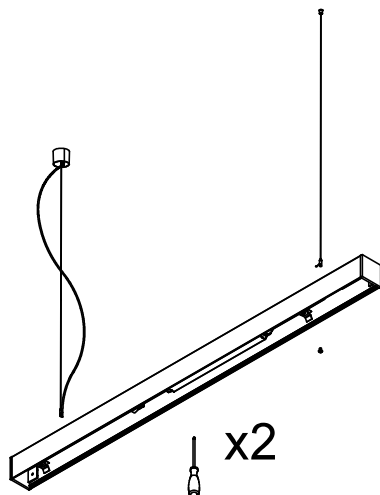
51

**Remove the reflector with LED modules from the luminaire (magnet mount) disconnect the electrical quick coupler**



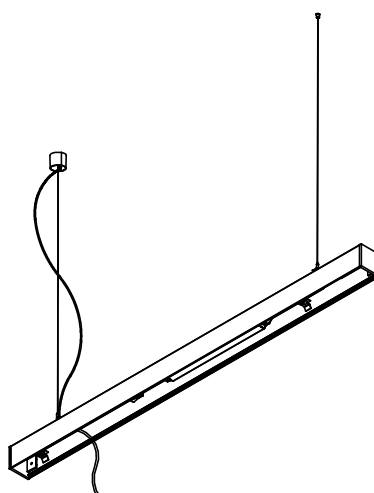
52

**Screw the luminaire body to the prepared suspensions**



53

**Pass the power cord through the luminaire body**



54

Connect the power supply in the accordance to markings (On/Off or DALI)

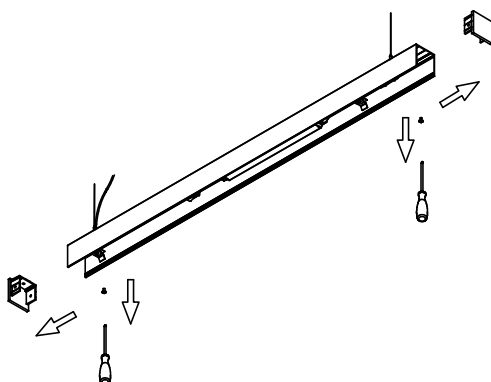


Points 55 - 58

only if several fittings are installed in line

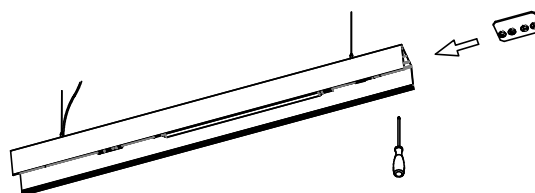
55

Unscrew the screws bloking the end caps in the luminaire, remove the end caps (if installed)



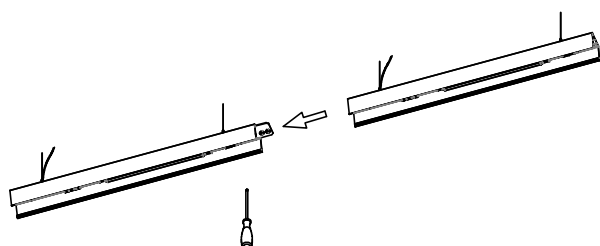
56

Place the line connector into the housing, tighten the screws



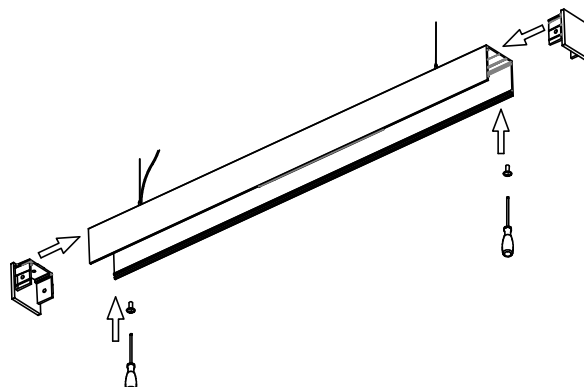
57

Attach the second fitting. Wedge the line connector in the housing by tightening the screws. Connect the quick couplings between the two fittings (if provided)



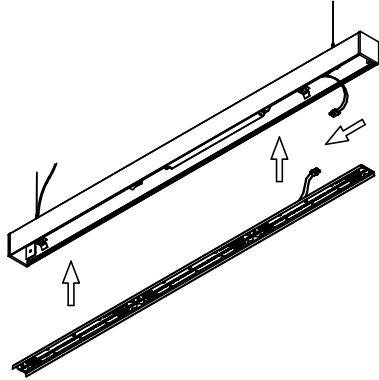
58

Mount end caps, screw to the luminaire body



59

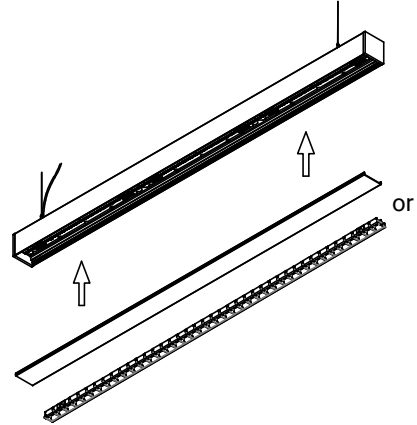
Connect the electrical quick coupler to the reflector with LED modules, insert the reflector into the housing



60

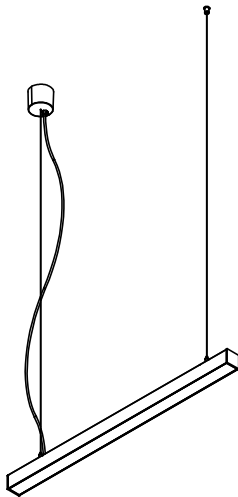
suspended mounting

Mount the diffuser or louvre into the luminaire (it is necessary to use protective gloves)



61

Clean the luminaire



62

Turn on power supply

