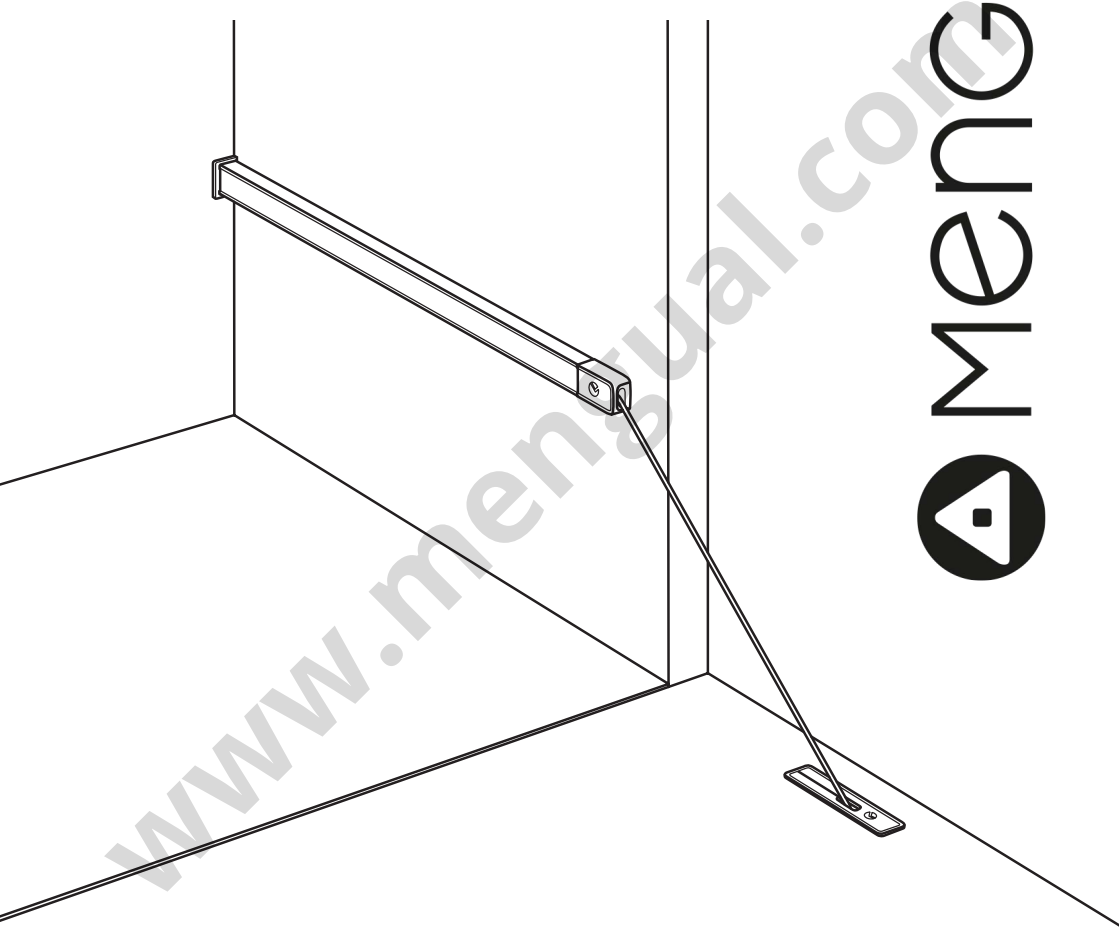
KIARO

OPENING SYSTEM

mengual®

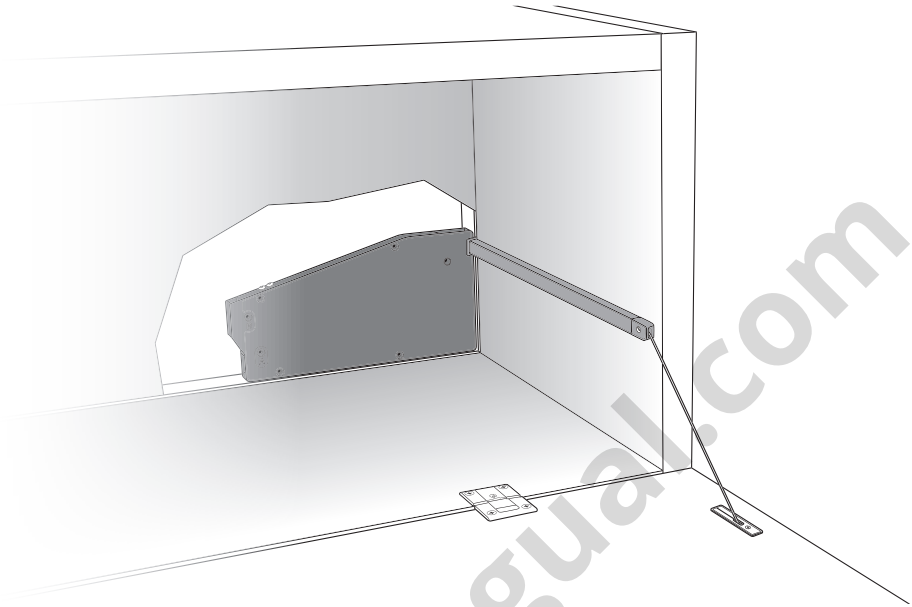


ITALIANA ferramenta®

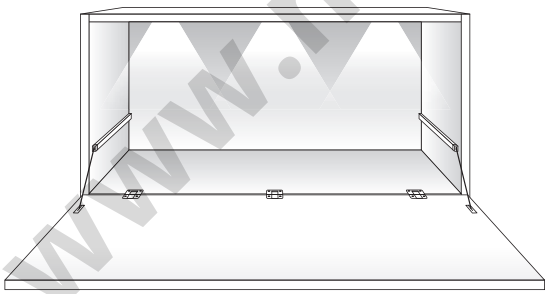
YouTube video instructions [1]

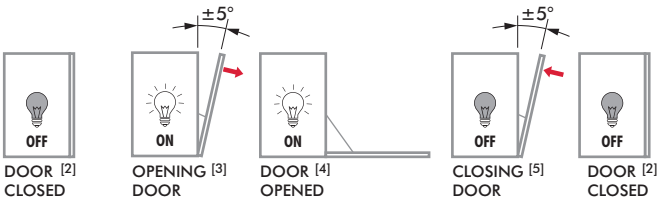
F460001000 Rev. 0

1 KIARO OPENING SYSTEM



2 OPTIONAL ACCESSORIES FOR INTERNAL LIGHTS (further info on page 14)

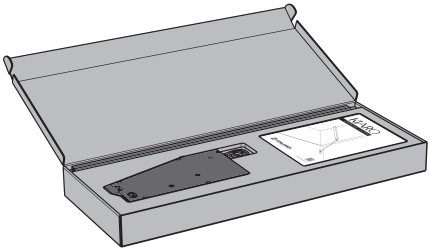


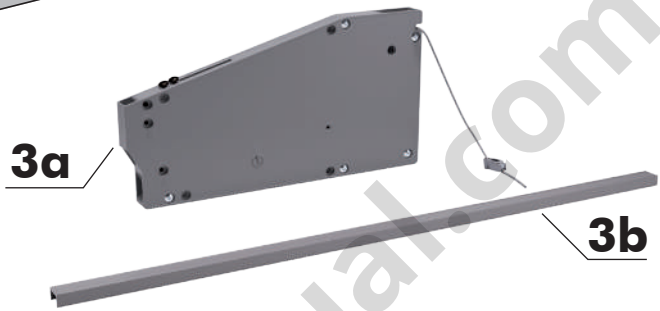


2a Sensor device

2b Connectors

3 KIARO BOX CONTENT





3c

3d

3e

3f

3g

3h

Tools for assembling

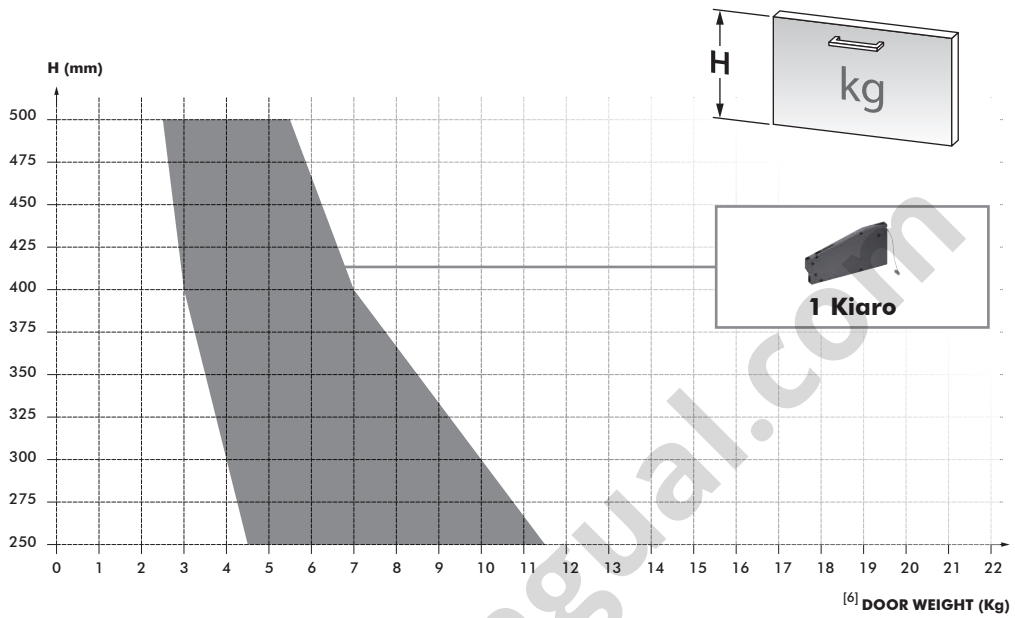
Cutting tool

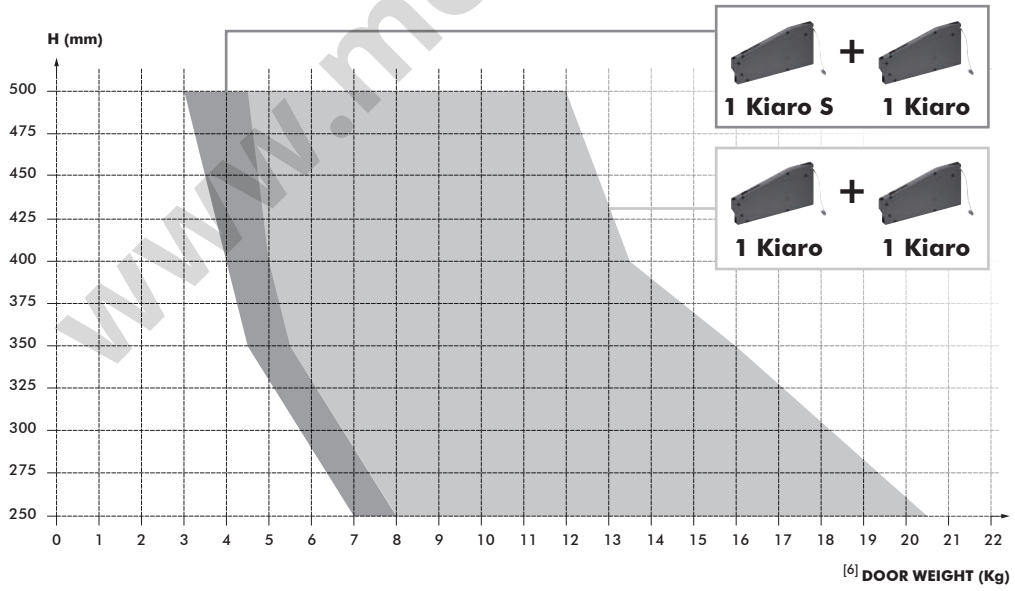
Plier

Cutter

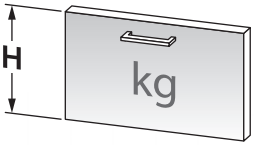
Screwdriver PH2

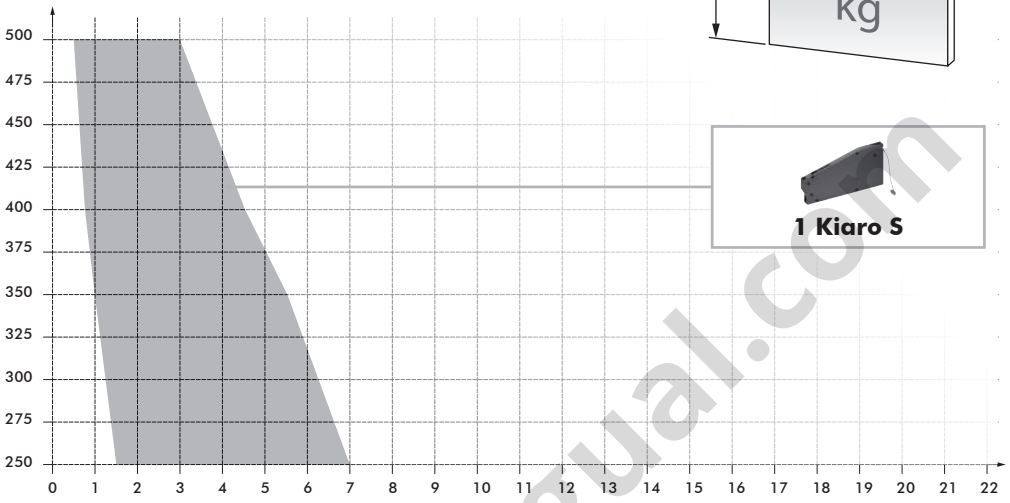
SOFT OPENING

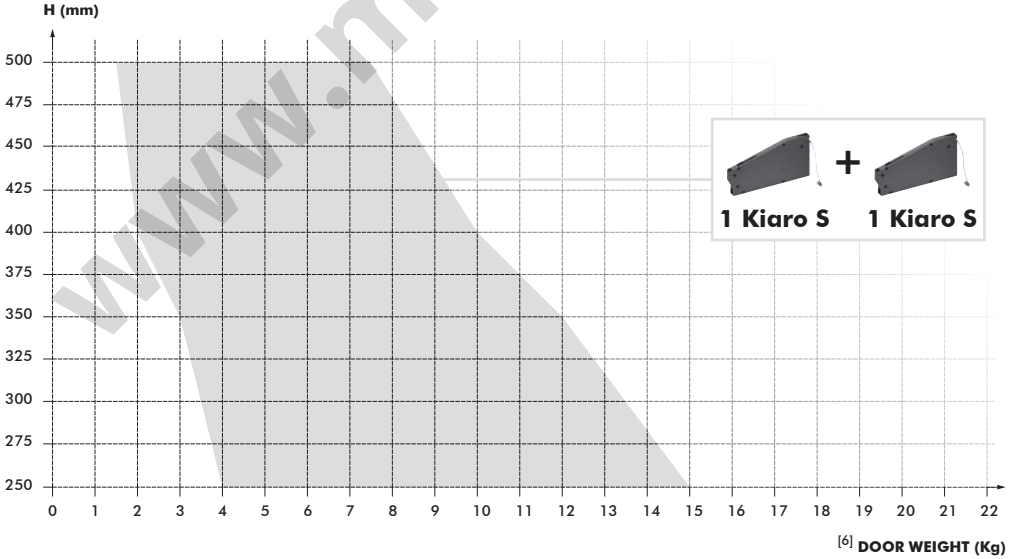




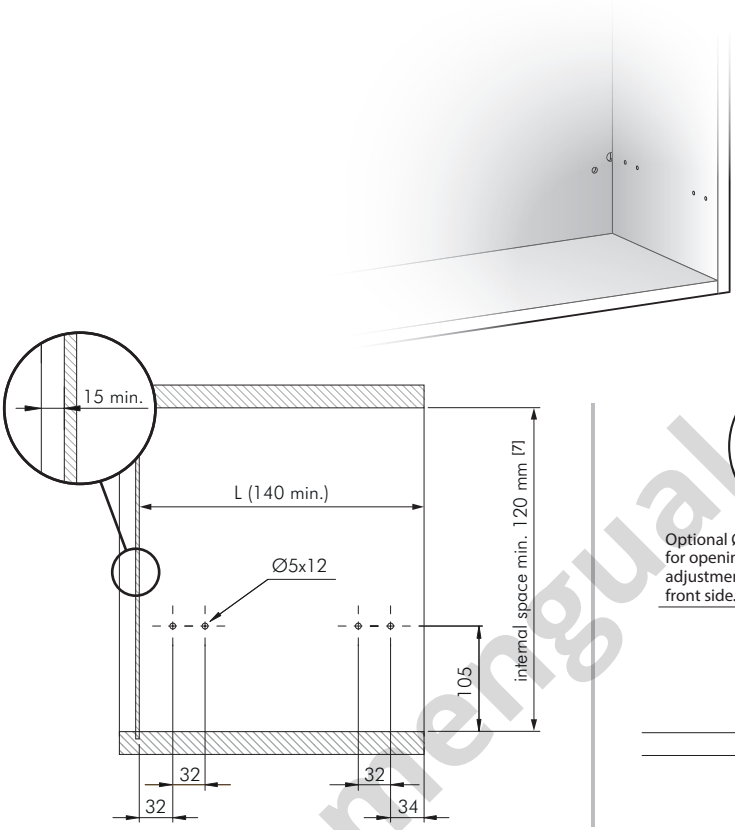
5 FRICTION OPENING





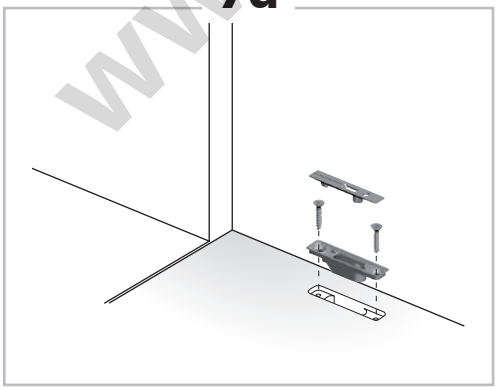


6 CABINET DRILLING PLAN

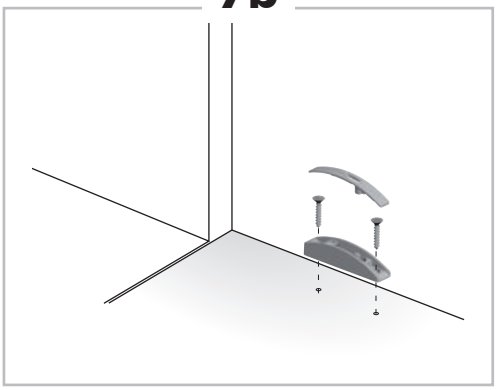


7 DOOR BRACKET OPTIONS

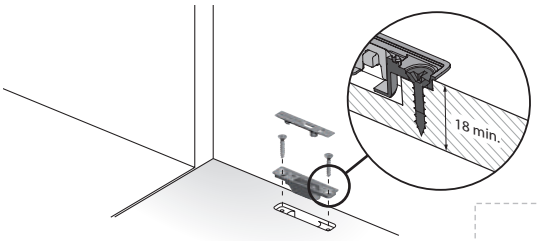
7a

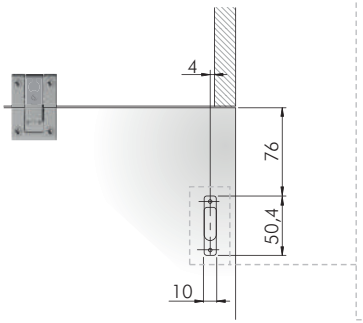


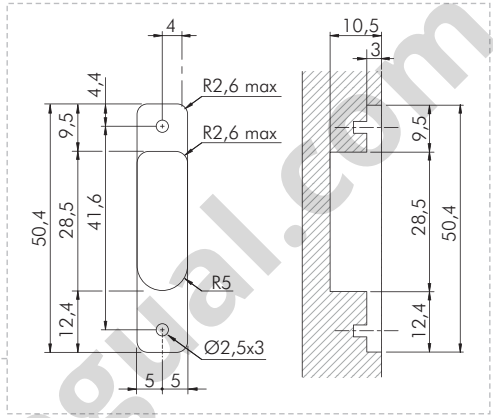
7b



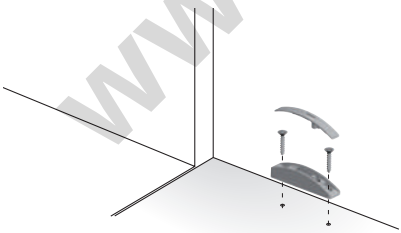
7a EMBEDDED DOOR BRACKET DRILLING PLAN

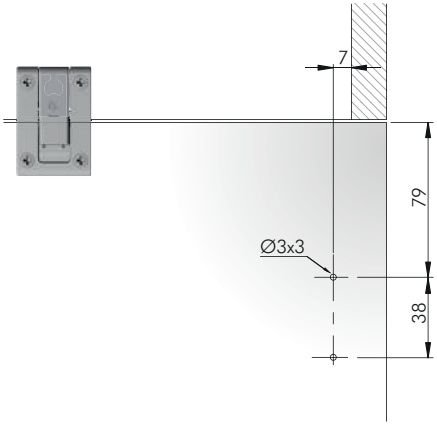




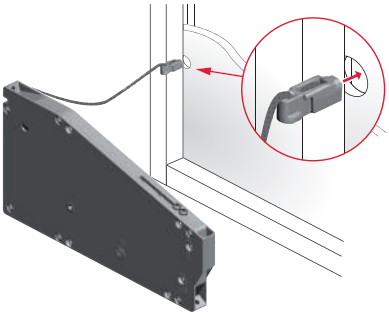


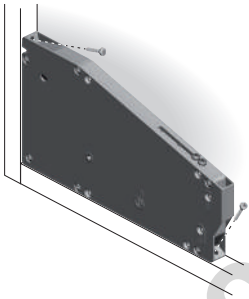
7b SCREW FIXING DOOR BRACKET DRILLING PLAN

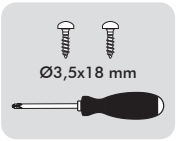


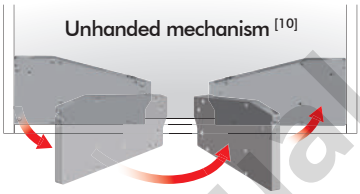


8 MECHANISM FIXING

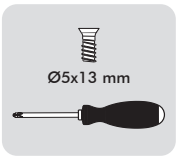


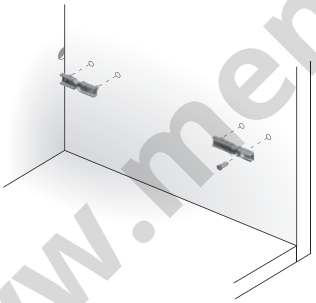


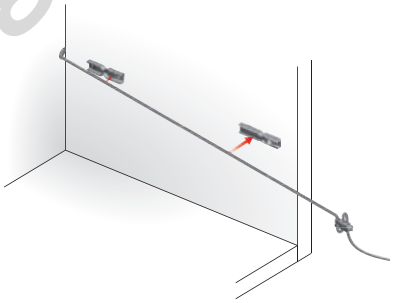




9 SIDE BRACKETS FIXING

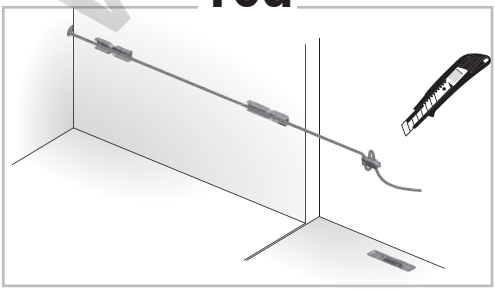




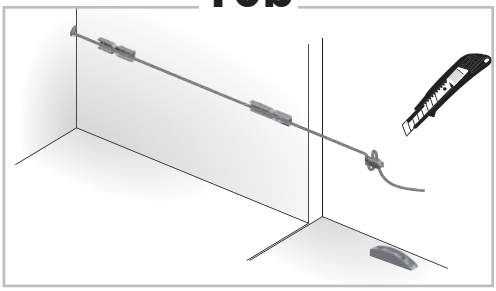


10 WIRE CUTTING

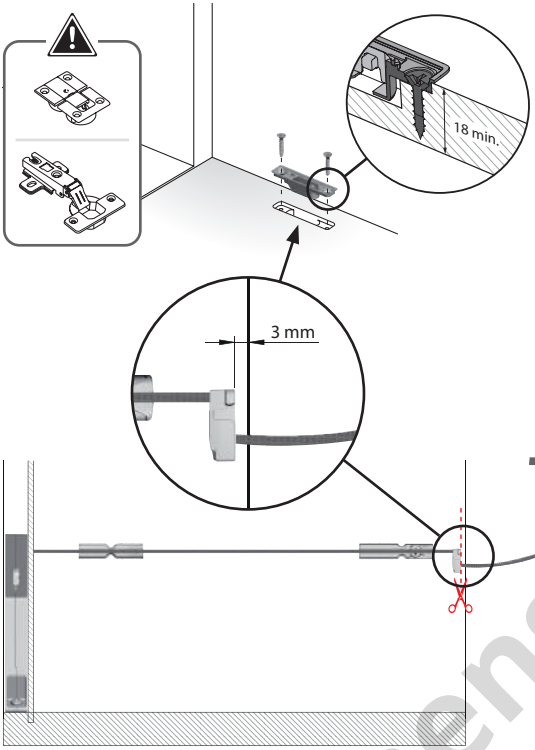
10a

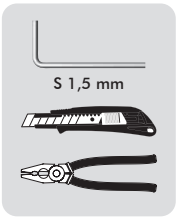


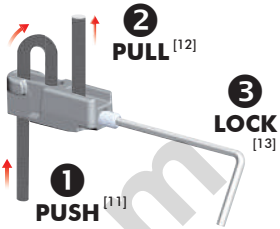
10b



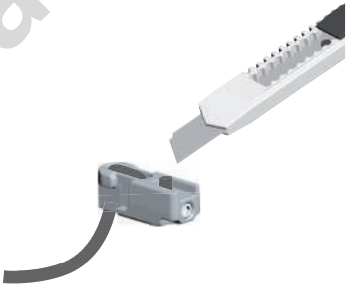
10a RULE FOR WIRE CUTTING - EMBEDDED DOOR BRACKET





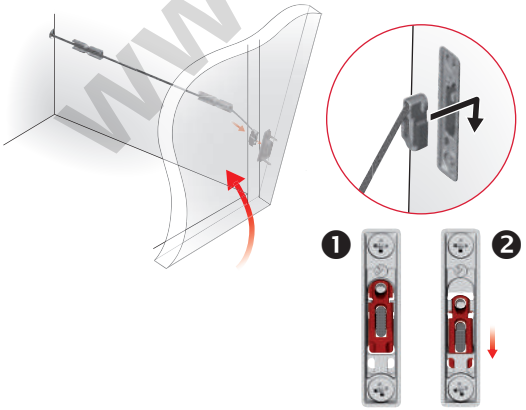


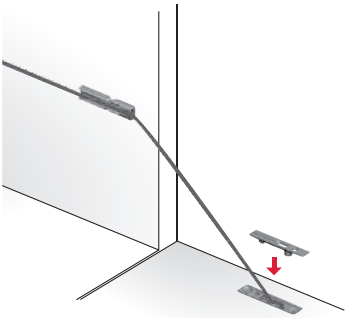
VERY IMPORTANT: [14]
Before cutting, it is necessary to lock the grub screw heavily.



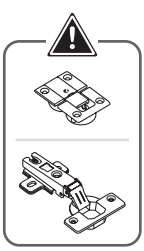
In order to obtain the exact length, it is necessary to stretch the wire without pulling it out. [15]

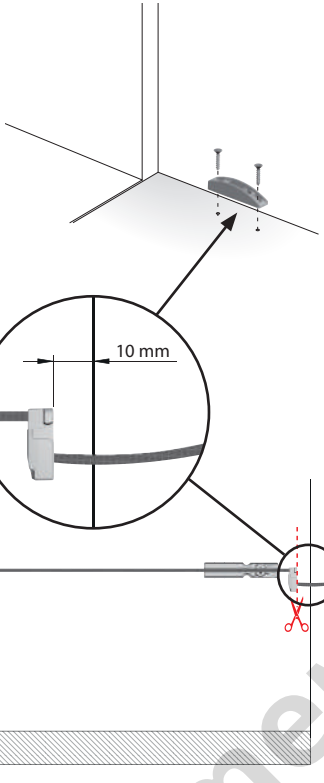
11a WIRE INSERTION ONTO THE DOOR BRACKET

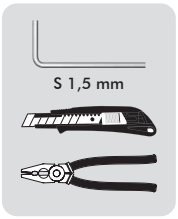


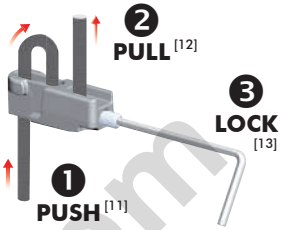


10b RULE FOR WIRE CUTTING - SCREW FIXING DOOR BRACKET

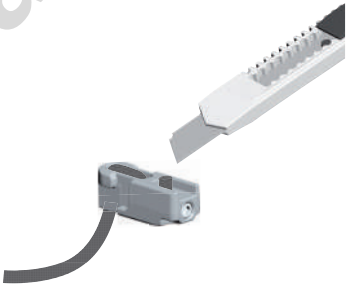






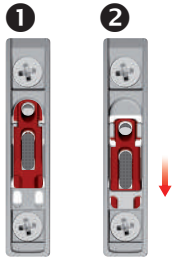


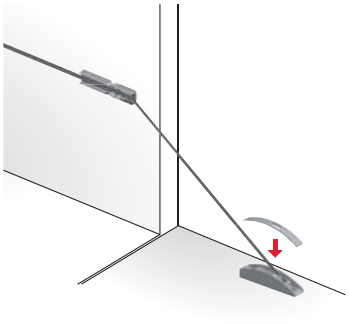
[14]
VERY IMPORTANT:
Before cutting, it is necessary to lock the grub screw heavily.



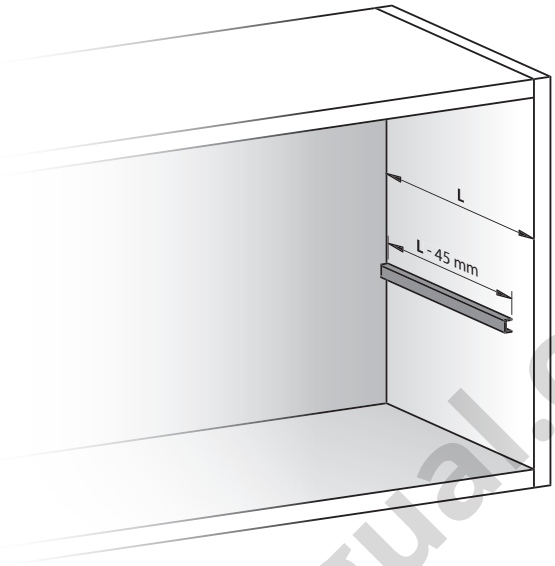
In order to obtain the exact length, it is necessary to stretch the wire without pulling it out. [15]

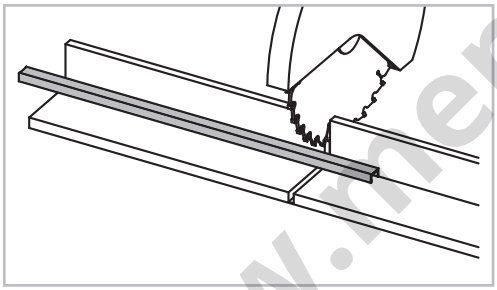
11b WIRE INSERTION ONTO THE DOOR BRACKET

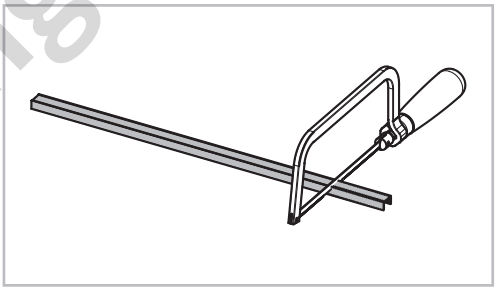




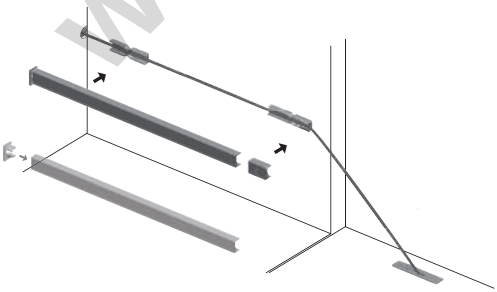
12 ALUMINIUM PROFILE CUTTING

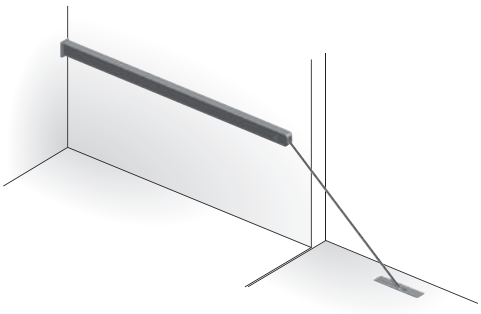




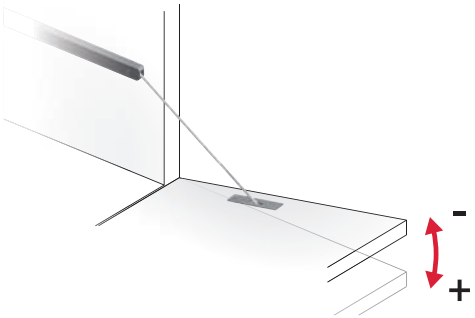


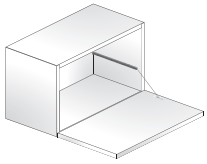
13 ALUMINIUM PROFILE AND COVERS APPLICATION





14 DOOR OPENING ANGLE ADJUSTMENT





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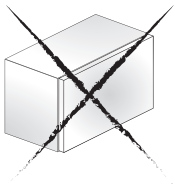
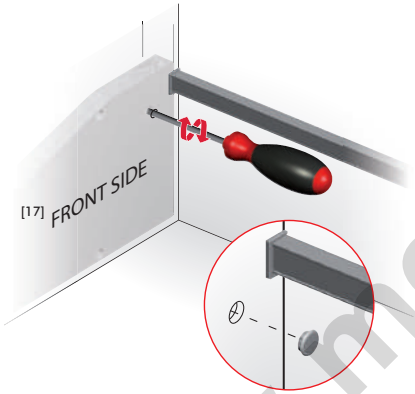
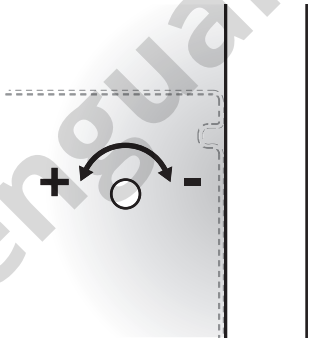


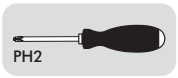
NO

The opening angle adjustment [16] can be carried out only with open door.

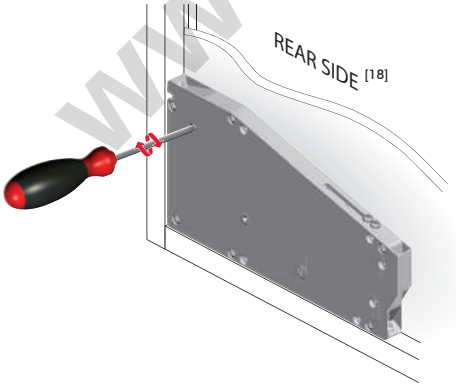
14a ADJUSTMENT FROM THE FRONT SIDE

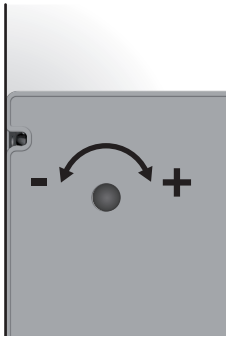


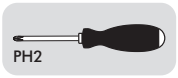




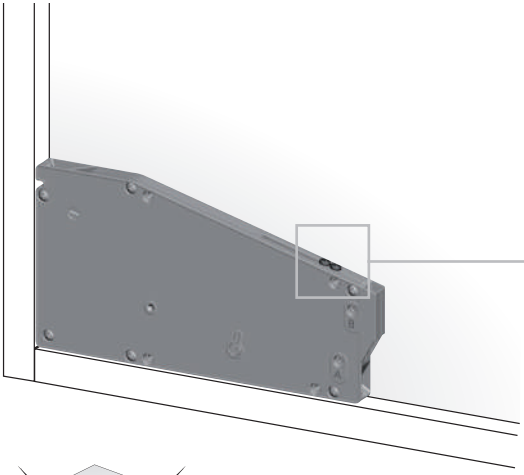
14b ADJUSTMENT FROM THE REAR SIDE

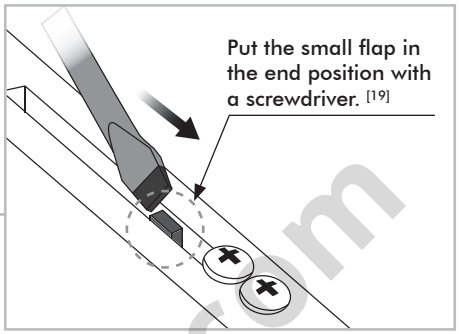


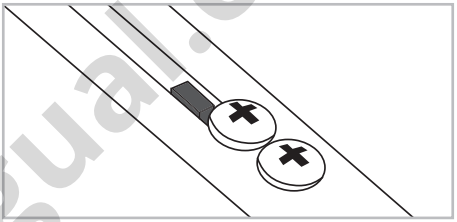


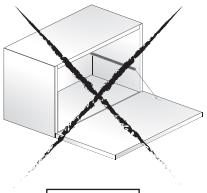


15 ADJUSTMENT OF STRENGTH SETTING









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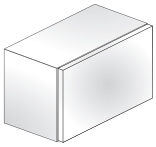
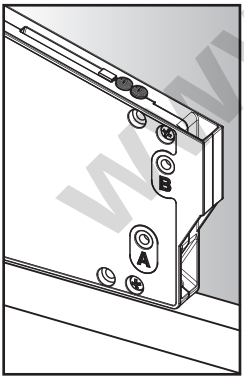


OK

The setting adjustment [20] can be carried out only with closed door.

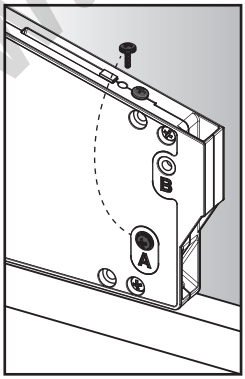
No Setting [21]



■□□□

LOAD [23]
(Minimum strength) [24]

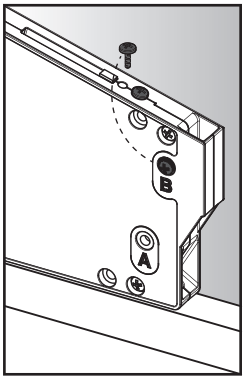
Setting "A" [22]



■■□□

LOAD [23]

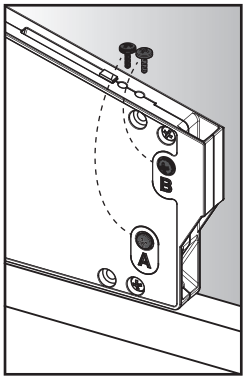
Setting "B"



■■■□

LOAD [23]

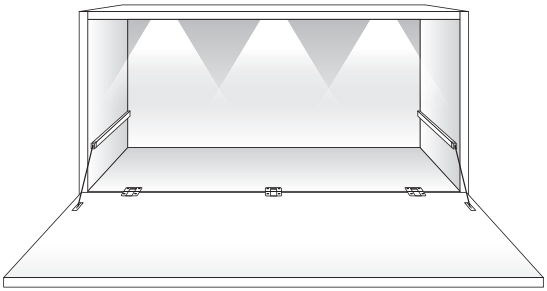
Setting "A+B"

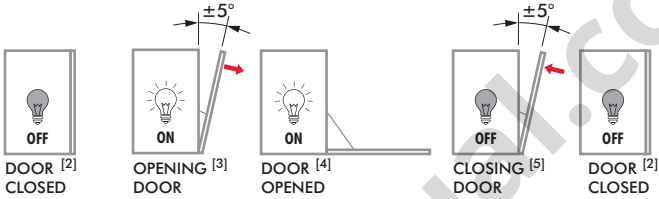


■■■■

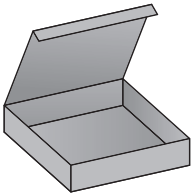
LOAD [23]
(Maximum strength) [25]

16 OPTIONAL ACCESSORIES FOR INTERNAL LIGHTS

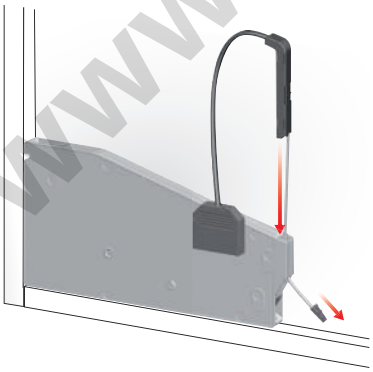


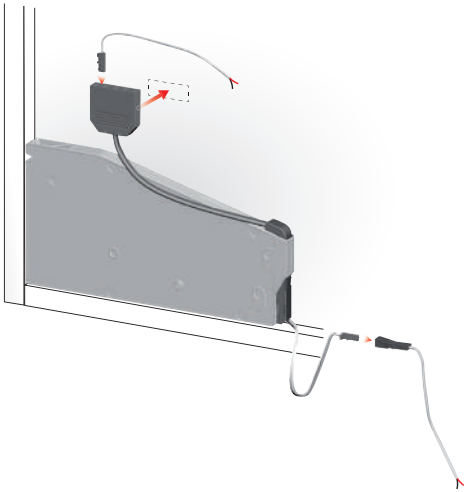


Sensor device **Connectors**

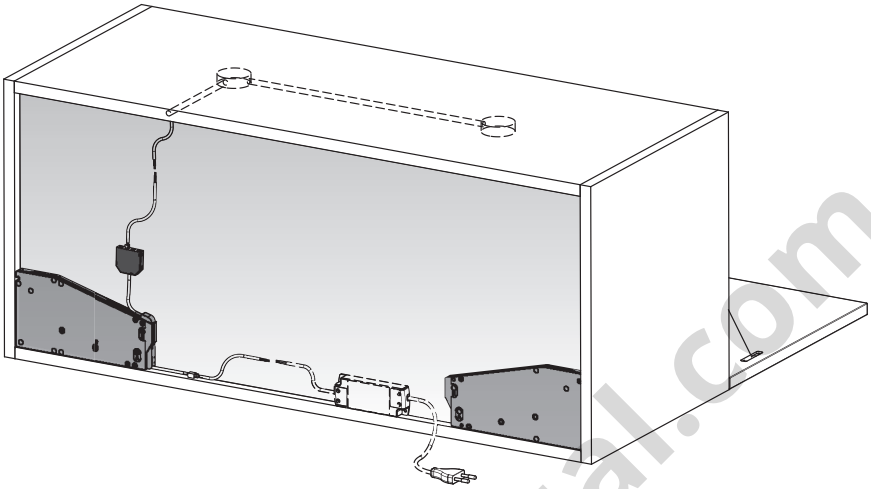


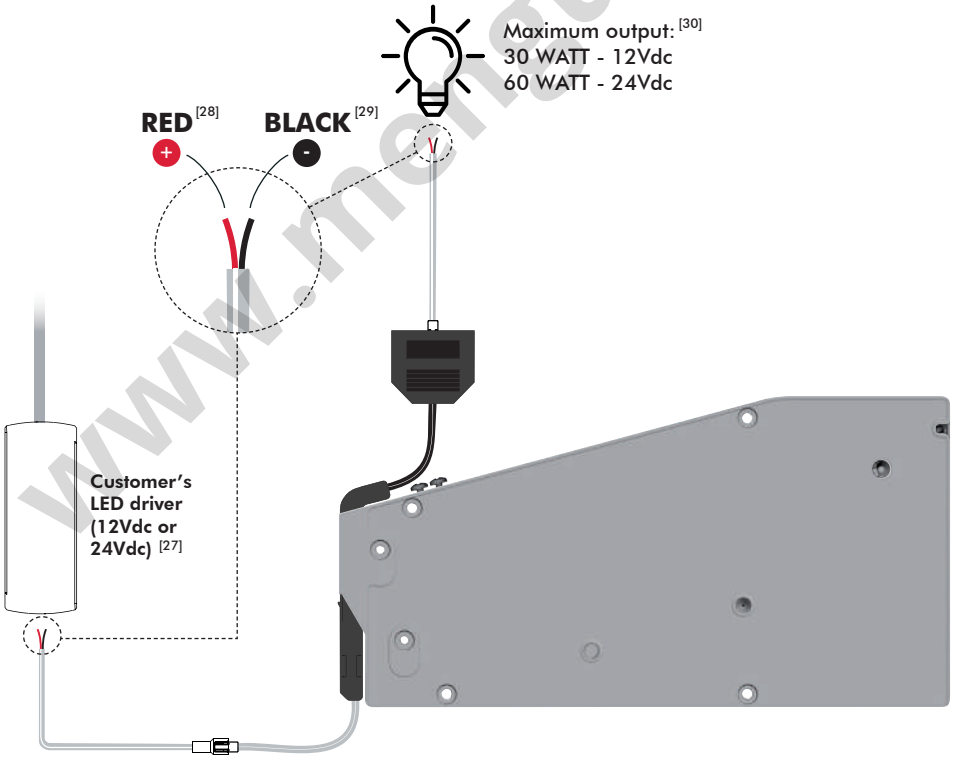
17 SENSOR DEVICE INSTALLATION





Each door must be connected to only one sensor, no matter how many mechanism are installed. [26]





EN KIARO OPENING SYSTEM USER MANUAL

1. KIARO OPENING SYSTEM
KIARO is an opening system for drop down doors with a concealed mechanism placed on the rear of cabinet.

2. OPTIONAL ACCESSORIES FOR INTERNAL LIGHTS (further info on page 15)

2a Sensor device
2b Connectors

The mechanism installed with the optional accessories can be used as an on-off switch for the internal light through the movement of the door.

3. KIARO BOX CONTENT
3a Mechanism
3b Aluminium lateral profile
3c Side brackets
3d Covers
3e Allen wrench S1,5
3f Embedded door bracket
3g Screw fixing door bracket
3h Screws

Tools for assembling: cutting tools, plier, cutter, screwdriver PH2.

4. SOFT OPENING
Range of application for soft opening door.

5. FRICTION OPENING
Range of application for friction opening door.

6. CABINET DRILLING PLAN

7. DOOR BRACKET OPTIONS
The set includes two different door bracket options:
- The embedded door bracket that requires a groove;
- The screw fixing door bracket that requires a simple pre-drilling operation.

7a. EMBEDDED DOOR BRACKET DRILLING PLAN
Make sure that the supplied screws are suitable for the thickness of the door. (Minimum panel thickness is 18 mm).

7b. SCREW FIXING DOOR BRACKET DRILLING PLAN
Make sure that the supplied screws are suitable for the thickness of the door.

8. MECHANISM FIXING
Place the mechanism on the rear side of the cabinet and fix it with the supplied screws.
It is a two-handed mechanism so it can be installed both on the right and on the left side.

9. SIDE BRACKETS FIXING
Install the side brackets into the holes on the side panel and fix them with the supplied screw.

10. WIRE CUTTING
Follow the correct cutting rule according to the type of door bracket.

10a. RULE FOR WIRE CUTTING - EMBEDDED DOOR BRACKET
The cutting rule refers to carcases which use KIMANA hinges or STANDARD UNSPRUNG HINGES with overlay 16-18 mm; in case other hinges are used, it is necessary to contact an authorized dealer for further information.
Insert the wire into the side brackets and stretch it without pulling it out.
Bring the end element of the wire up to the distance stated in the technical drawing.
Lock the grub screw heavily keeping it firmly with a plier.
Remove the extra part of the wire by operating a clean cut with a cutter.

11a. WIRE INSERTION ONTO THE DOOR BRACKET
Lift the door almost completely to slot the end element of the wire into the door bracket.
Place the cover cap on the door bracket before lifting the door.

10b. RULE FOR WIRE CUTTING - SCREW FIXING DOOR BRACKET
The cutting rule refers to carcases which use KIMANA hinges or STANDARD UNSPRUNG HINGES with overlay 16-18 mm; in case other hinges are used, it is necessary to contact an authorized dealer for further information.
Insert the wire into the side brackets and stretch it without pulling it out.
Bring the end element of the wire up to the distance stated in the technical drawing.
Lock the grub screw heavily keeping it firmly with a plier.
Remove the extra part of the wire by operating a clean cut with a cutter.

11b. WIRE INSERTION ONTO THE DOOR BRACKET
Lift the door almost completely to slot the end element of the wire into the door bracket.
Place the cover cap on the door bracket before lifting the door.

12. ALUMINIUM PROFILE CUTTING
Cut the aluminium profile on size following the rule shown in the technical drawing. Perform a clean and precise cut using the tools at your disposal.

13. ALUMINIUM PROFILE AND COVERS APPLICATION
Apply the aluminium profile and the covers on the side panel.

14. DOOR OPENING ANGLE ADJUSTMENT
The mechanism provides an opening angle adjustment.
The adjustment can be carried out either:
- from the rear side of the cabinet;
- from the front side through a hole in the back panel.

For doors weighing more than 4 kg it is not possible to reduce the opening angle in this way; in this case, to reduce the opening angle, the wire must be shortened by a few millimeters.

14a. ADJUSTMENT FROM THE FRONT SIDE
The opening angle adjustment can be carried out only with open door.
Turn the adjustment screw with a PH2 screwdriver through the Ø8 mm hole in the back panel. Refer to the drawing for information on the correct direction of rotation.

14b. ADJUSTMENT FROM THE REAR SIDE
The opening angle adjustment can be carried out only with open door.
Turn the adjustment screw with a PH2 screwdriver through the special hole in the mechanism. Refer to the drawing for information on the correct direction of rotation.

15. ADJUSTMENT OF STRENGTH SETTING
The setting adjustment can be carried out only with closed door.
Before performing the adjustment make sure that the mechanism is completely in position, otherwise put the small flap in position with a blade screwdriver.
Use the black screws positioned on the upper side of the mechanism and screw them into the holes (A) and (B) to activate the additional strengths according to the size and weight of the door.

16. OPTIONAL ACESSORIES FOR INTERNAL LIGHTS
The mechanism installed with the optional accessories can be used as an on-off switch for the internal light through the movement of the door.
- Sensor device
- Connectors

17. SENSOR DEVICE INSTALLATION
Insert the sensor device into its special compartment of the mechanism as shown in the picture.
Make the connections between the sensor device and the connectors supplied.

18. TECHNICAL DATA AND GENERAL WARNINGS
Installation may require qualified personnel to be involved.
RED wire connector: positive polarity
BLACK wire connector: negative polarity
Use power supply with output voltage 12Vdc or 24Vdc
LED spotlight maximum output flying power:
12Vdc → 30W
24Vdc → 60W