

13  
20

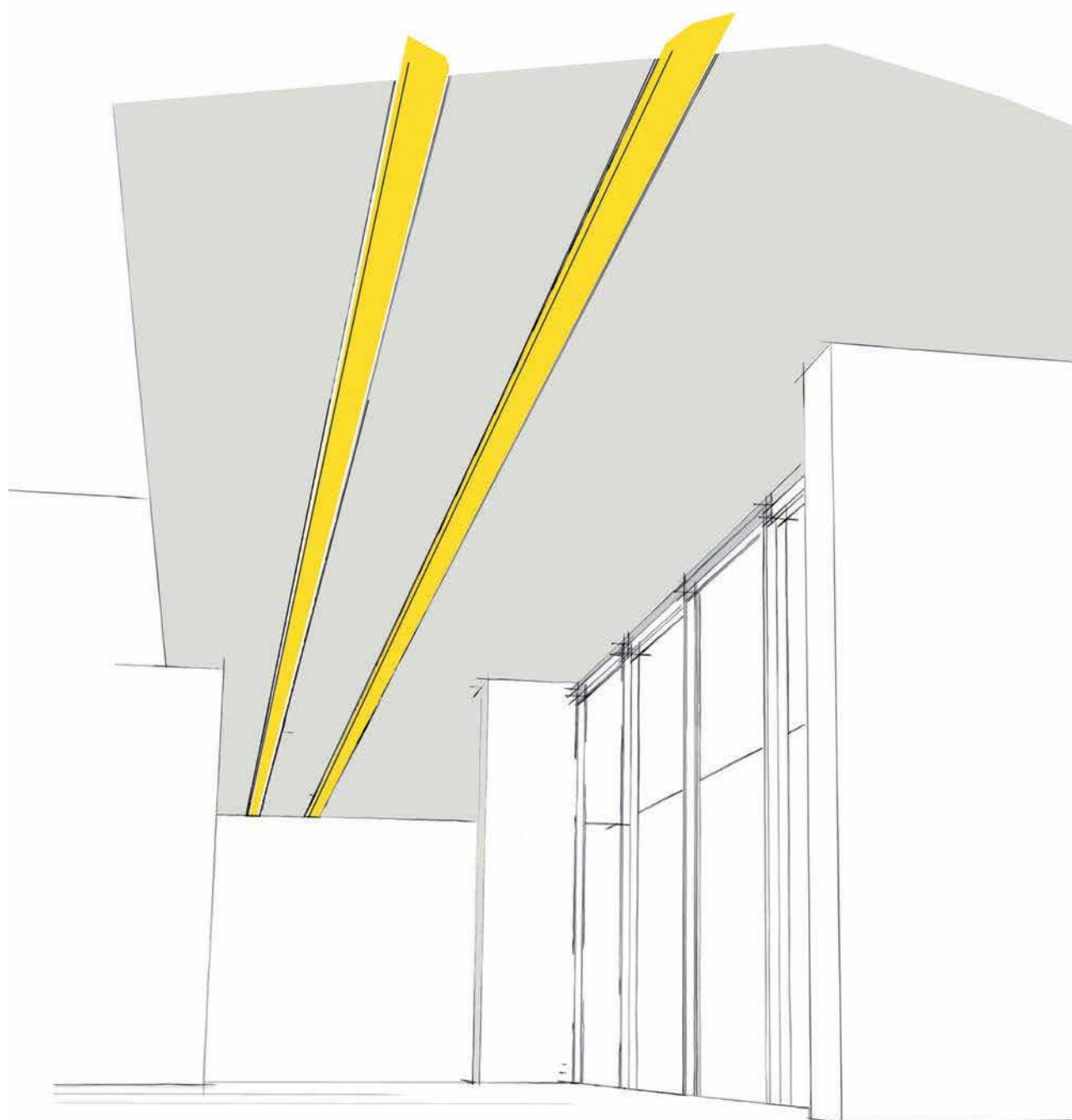
ascolights<sup>TM</sup>

Lighting Design | Consultancy | Supply



Creating  
your  
cove lights

ASO is an innovative lighting system designed for creating light architectures.  
A brand new patented material coated with special resins allows for the creation of ultra-lightweight linear profiles. They feature specially designed seats to house cutting-edge LED circuits with quick connection. This versatile system meets any design needs guaranteeing extraordinary light comfort for every application.



## Innovative Light Lines



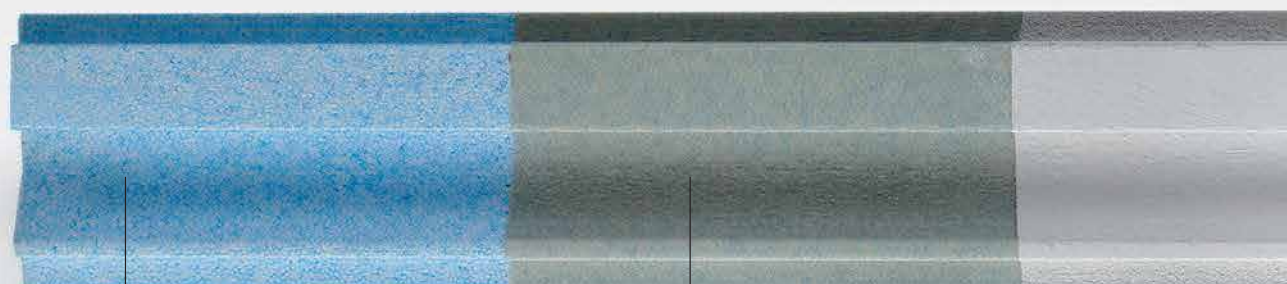
# ARCHITECTURAL LIGHTING



# INSIDE THE PRODUCT

EPS guarantees a weight ten times lower than standard plaster. Its mechanical resistance is guaranteed by several layers of treatment and special varnishes. The components feature a thermal resistance equal to over 80° and a standard length of 1 m which can be easily cut to measure in case of need.

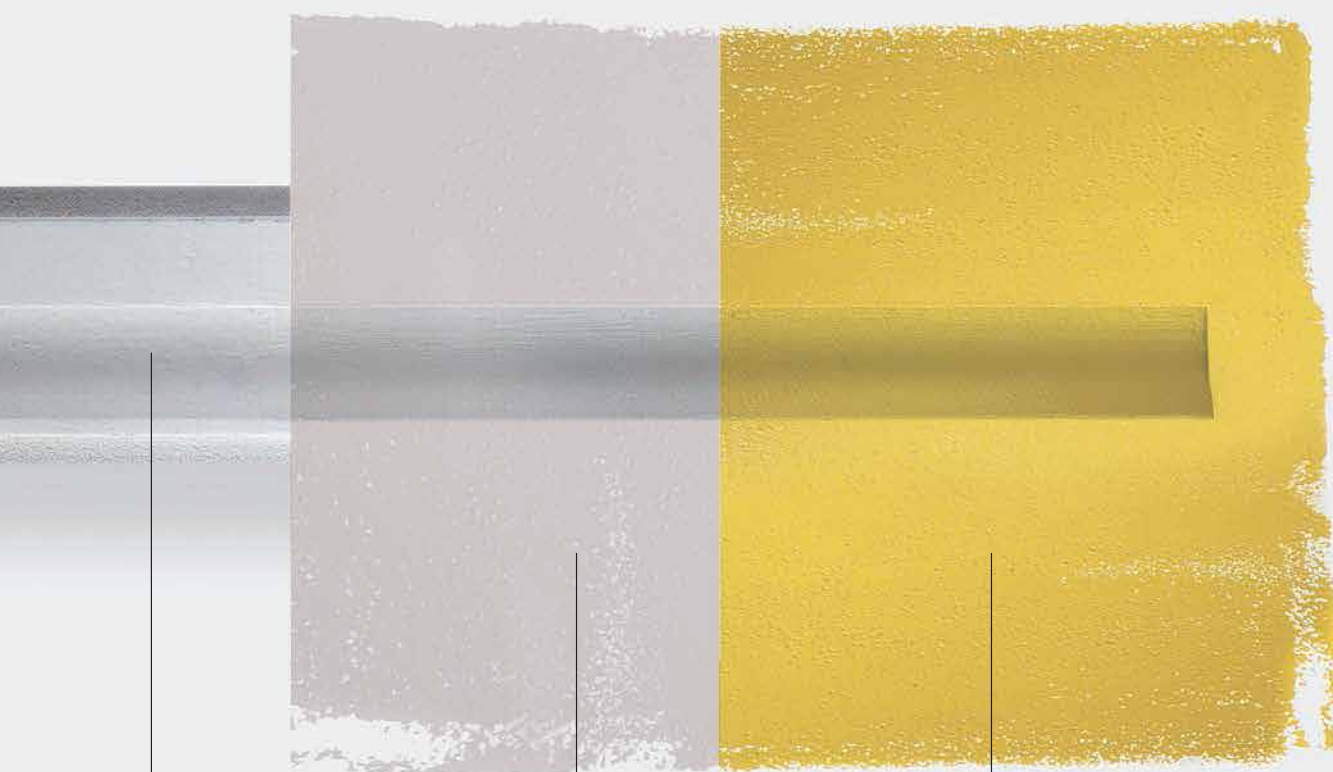
The profiles can be fixed using polyurethane adhesives on double-layer plasterboard walls, both during wall installation or after wall completion without modifying its frame, on single-layer ceiling or on surfaces of any materials. After filling, sanding and applying primer, the wall can be finished with any type of paint.



Raw structure

Resin with quartz powder to guarantee top mechanical resistance and crushproofness over time.





Resin made from mixed building material applied in several coats to obtain an even surface with a sufficient thickness to allow sanding necessary to the final painting.

Primer applied as on plasterboard

Final painting

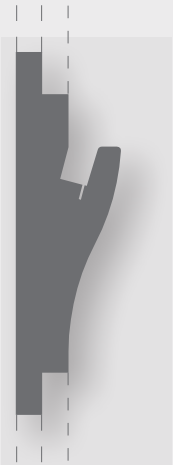
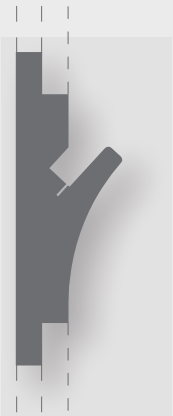
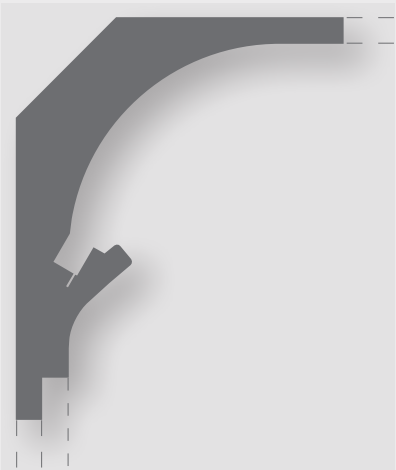
# RANGE INDEX

The wide proposed range includes several types of profiles designed to satisfy different application needs.

ASO PROFILES, CUSTOMISED ACCORDING TO THE CLIENT'S DRAWING, ARE AVAILABLE UPON REQUEST IF THE PROFILES PROPOSED DO NOT MEET THE PROJECT REQUIREMENTS.

PAG 08

## SEMI-RECESSED MOUNTING



PAG 10

## RECESSED MOUNTING ON WALLS OR CEILINGS





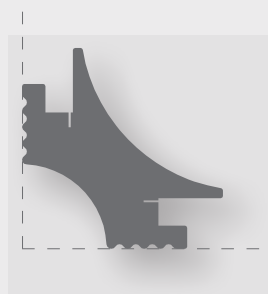
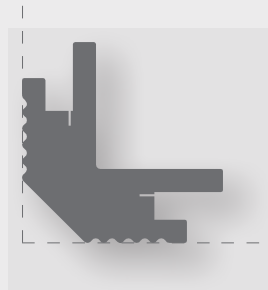
PAG 12

**RECESSED  
MOUNTING ON  
CEILINGS**

PAG 14

**WALL AND CEILING  
MOUNTING.**

PAG 16

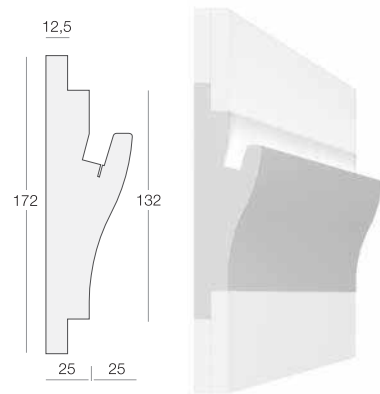
**CORNER MOUNTING**

# SEMI-RECESSED MOUNTING

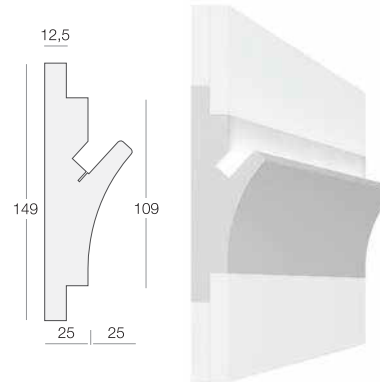
The profile silhouette allows it to be mounted recessed on 12.5mm-thick double-layer plasterboard partitions to create light effects that enhance the perception of the space.



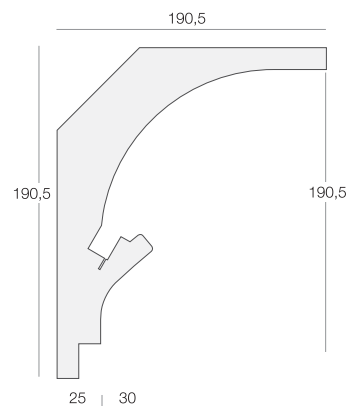
Cod. FY-12730 - ...



CODE	QUANTITY	WEIGHT	VOLUME	DIMENSION
FY-12790-1	1	1,38	0,033	1000 mm
FY-12790-3	3	3,06	0,033	1000 mm
FY-12790-5	5	4,85	0,048	1000 mm

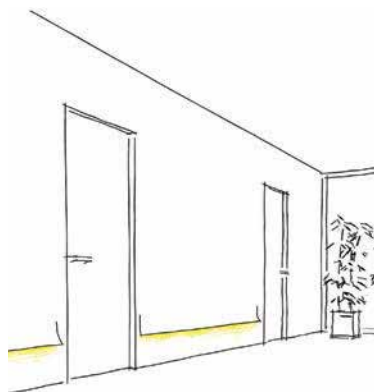


CODE	QUANTITY	WEIGHT	VOLUME	DIMENSION
FY-12740-1	1	1,24	0,015	1000 mm
FY-12740-3	3	2,55	0,033	1000 mm
FY-12740-5	5	4	0,048	1000 mm



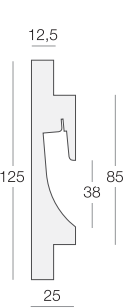
CODE	QUANTITY	WEIGHT	VOLUME	DIMENSION
FY-12730-1	1	1,95	0,048	1000 mm
FY-12730-2	2	3,25	0,048	1000 mm

EXAMPLE OF ORDER:  
2 mt = 2 cod. FY-1240-1 / 4 mt = 1 cod. FY-12740-1 + 1 cod. FY-12740-3

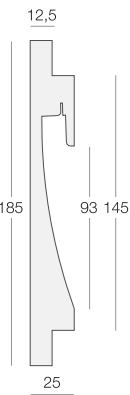


# RECESSED MOUNTING ON WALLS OR CEILINGS

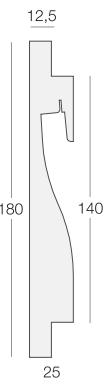
Profiles specially designed to be mounted recessed on 12.5mm-thick double-layer plasterboard partitions and false ceilings. The light charm enhances architectural elements and spaces.



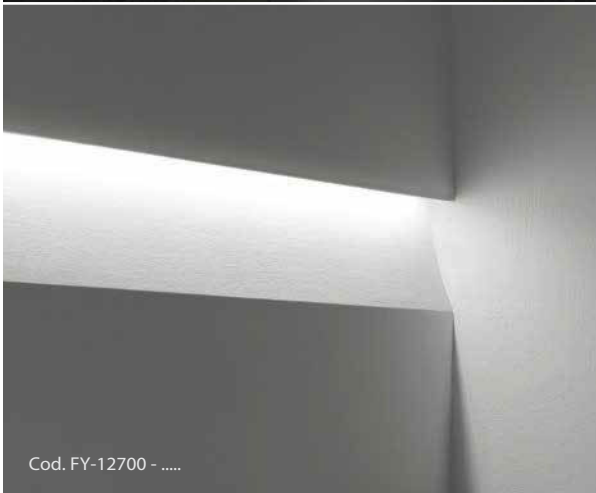
CODE	QUANTITY	WEIGHT	VOLUME	DIMENSION
FY-12710-1	1	0,97	0,015	1000 mm
FY-12710-3	3	1,77	0,015	1000 mm
FY-12710-5	5	2,54	0,033	1000 mm

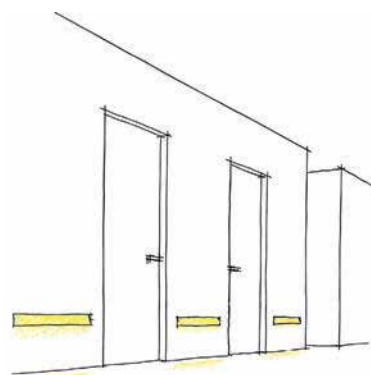


CODE	QUANTITY	WEIGHT	VOLUME	DIMENSION
FY-12700-1	1	1,1	0,033	1000 mm
FY-12700-3	3	2,19	0,033	1000 mm
FY-12700-5	5	3,04	0,033	1000 mm



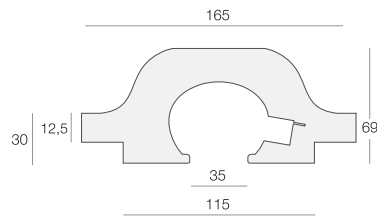
CODE	QUANTITY	WEIGHT	VOLUME	DIMENSION
FY-12720-1	1	1,14	0,033	1000 mm
FY-12720-3	3	2,34	0,033	1000 mm
FY-12720-5	5	3,54	0,033	1000 mm



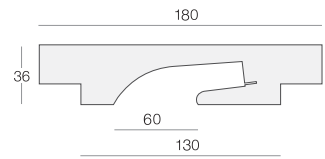


# RECESSED MOUNTING ON CEILINGS

Designed to be mounted recessed on 12.5mm-thick plasterboard false ceilings, these profiles are perfect to highlight the features of every type of environment through symmetric or asymmetric light beams.



CODE	QUANTITY	WEIGHT	VOLUME	DIMENSION
FY-12810-1	1	1,51	0,033	1000 mm
FY-12810-3	3	3,56	0,048	1000 mm



CODE	QUANTITY	WEIGHT	VOLUME	DIMENSION
FY-12800-1	1	1,29	0,033	1000 mm
FY-12800-3	3	2,79	0,033	1000 mm
FY-12800-5	5	4,4	0,048	1000 mm



EXAMPLE OF ORDER:  
2 mt = 2 cod. FY-12810-1 / 4 mt = 1cod. FY-12810-1 + 1 cod. FY-12810-3





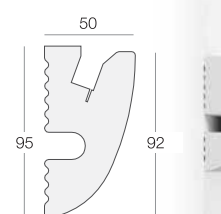


## WALL OR CEILING MOUNTING

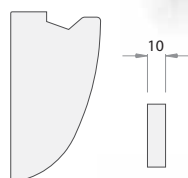
Designed to be mounted on plasterboard walls and ceilings, on masonry or on any other material, these profiles enhance the role of lighting in the interior design sector, a combination of aesthetics and functionality.



Cod. FY-12750 - ...

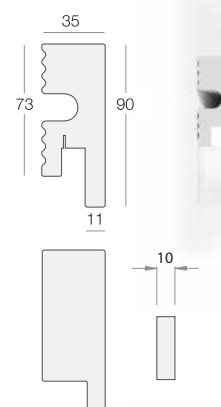


CODE	QUANTITY	WEIGHT	VOLUME	DIMENSION
FY-12820-1	1	1,15	0,015	1000 mm
FY-12820-3	3	2,28	0,033	1000 mm
FY-12820-5	5	3,04	0,033	1000 mm

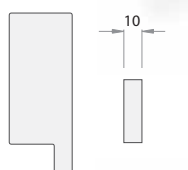


### END CAPS

CODE	QUANTITY
FY-12990-2	2

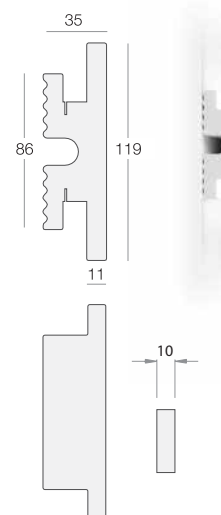


CODE	QUANTITY	WEIGHT	VOLUME	DIMENSION
FY-12780-1	1	1,02	0,015	1000 mm
FY-12780-3	3	1,92	0,015	1000 mm
FY-12780-5	5	2,79	0,033	1000 mm

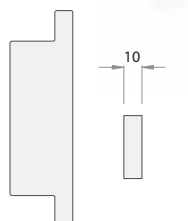


### END CAPS

CODE	QUANTITY
FY-12980-2	2



CODE	QUANTITY	WEIGHT	VOLUME	DIMENSION
FY-12750-1	1	1,19	0,015	1000 mm
FY-12750-3	3	2,4	0,033	1000 mm
FY-12750-5	5	3,64	0,033	1000 mm

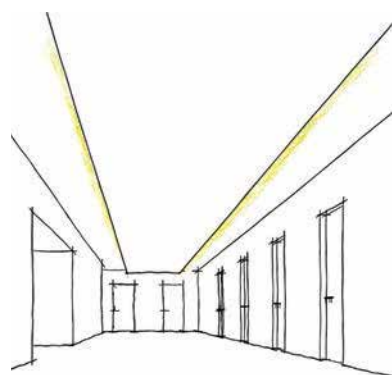
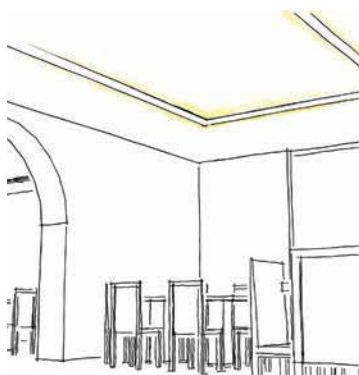
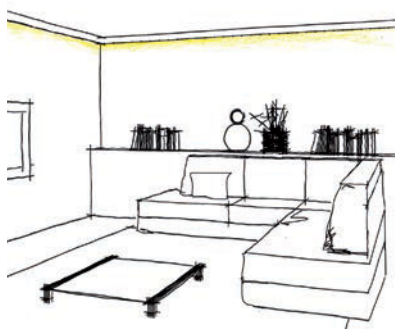


### END CAPS

CODE	QUANTITY
FY-12970-2	2

### EXAMPLE OF ORDER:

2 mt = 2 cod. FY-12750-1 / 4 mt = 1 cod. FY-12750-1 + 1 cod. FY-12750-3

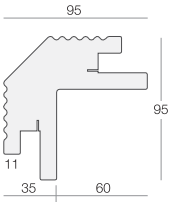


# CORNER MOUNTING

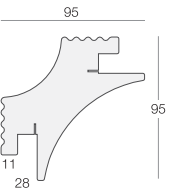
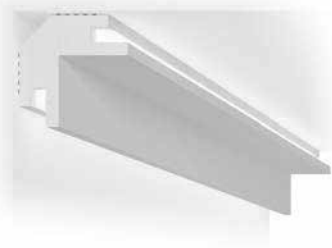
These profiles are designed to enhance plasterboard or masonry wall and ceiling corners by turning them into decorative elements through mood lighting.



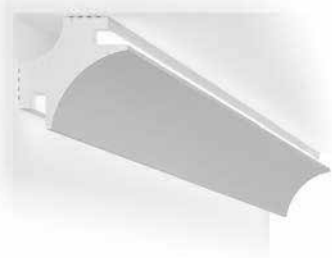
Cod. FY-12760 - ...



CODE	QUANTITY	WEIGHT	VOLUME	DIMENSION
FY-12760-1	1	1,35	0,015	1000 mm
FY-12760-3	3	2,88	0,033	1000 mm
FY-12760-5	5	4,55	0,048	1000 mm



CODE	QUANTITY	WEIGHT	VOLUME	DIMENSION
FY-12770-1	1	1,3	0,015	1000 mm
FY-12770-3	3	2,73	0,033	1000 mm
FY-12770-5	5	4,3	0,048	1000 mm

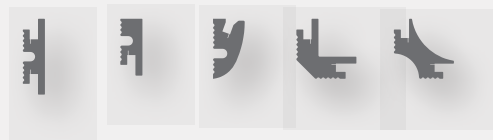


EXAMPLE OF ORDER:  
2 mt = 2 cod. FY-12770-1 / 4 mt = 1cod. FY-12770-1 + 1 cod. FY-12770-3



# INSTALLATION SYSTEM

## WALL MOUNTING SCHEME



Apply adhesive on the surface to be glued.



Place article on wall.



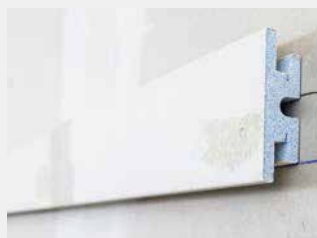
Fix article using screws.



Apply adhesive also on article head if two profiles are to be glued together.



Plaster along joint between the two profiles.



Plaster over screws.



Sand.



Paint.

## SCHEME FOR RECESSED MOUNTING ON CEILINGS



Make hole.



Apply adhesive on the surface to be glued.



Insert article in false ceiling hole.



Fix article onto false ceiling using screws.



Place the other profiles.



Apply plaster in three layers.



Sand.



Paint.



## SCHEME FOR RECESSED MOUNTING ON DOUBLE-LAYER WALLS / CEILINGS TO BE INSTALLED



Apply adhesive on the surface to be glued after making the hole.



Place article on metal structure.



Fix article on metal structure using screws.



Fix second panel.



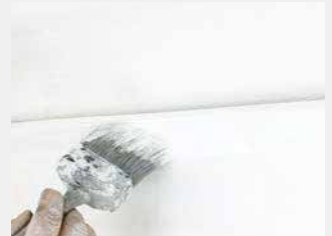
Apply plaster in three layers.



After applying second layer, lay mesh tape.



Sand.



Paint.

## SCHEME FOR RECESSED MOUNTING ON DOUBLE-LAYER WALLS ALREADY INSTALLED



Use a cutter to remove any excess after making the hole.



Apply adhesive on the metal structure.



Fix article on metal structure using screws.



Use a hacksaw to cut article to measure.



Apply plaster in three layers.



After applying second layer, lay mesh tape.



Sand.



Paint.

# LED-LIGHT

LED sources on rigid circuit housed in dissipating extruded aluminium and fitted with a protective diffuser made of polycarbonate.

Quick connection system between lighting elements on EPS profiles through magnetic contact.  
Elements with 500mm standard length can be cut every 100mm.

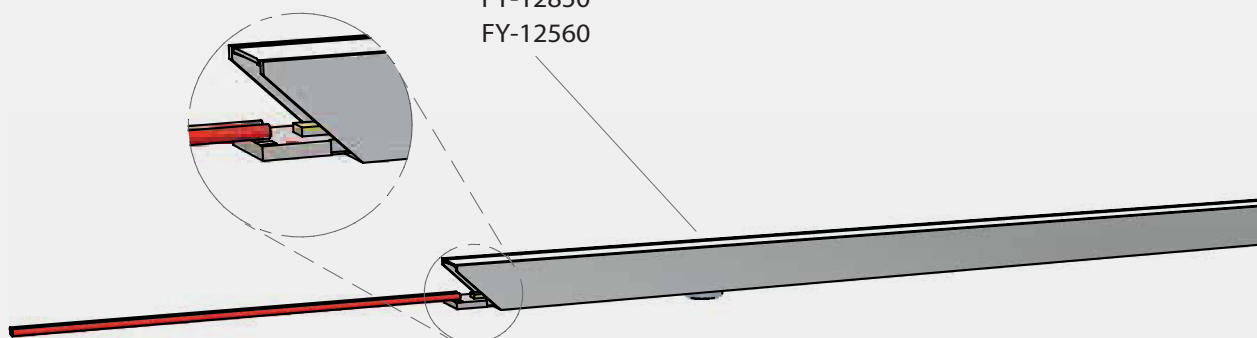


## MASTER

FY-12830

FY-12850

FY-12560

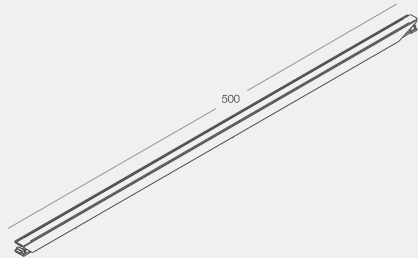




24V electrified profiles  
with 2 power levels

Initial electric components (MASTER) fitted with power supply cables.

Following electric components (SLAVE) fitted with socket/plug push-fit connectors.



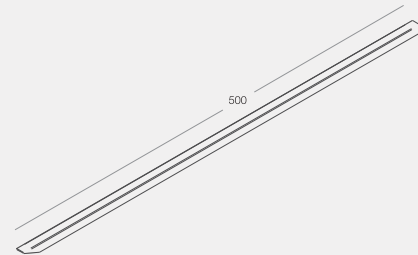
Profiles with electrical components and opalin diffuser

CODE	VERSION	POWER	°K	WEIGHT	VOLUME
FY-12830	Master	6,2 W	3000	0,12 Kg	0,001
FY-12850	Master	3,4 W	3000	0,12 Kg	0,001
FY-12840	Slave	6,2 W	3000	0,12 Kg	0,001
FY-12860	Slave	3,4 W	3000	0,12 Kg	0,001

Profiles with electrical components and transparent diffuser

CODE	VERSION	POWER	°K	WEIGHT	VOLUME
FY-12560	Master	6,2 W	3000	0,12 Kg	0,001
FY-12570	Slave	6,2 W	3000	0,12 Kg	0,001

Max CONTINUOUS length recommended = 5 m for 6.2 W electric elements  
Max CONTINUOUS length recommended = 7 m for 3.4 W electric elements



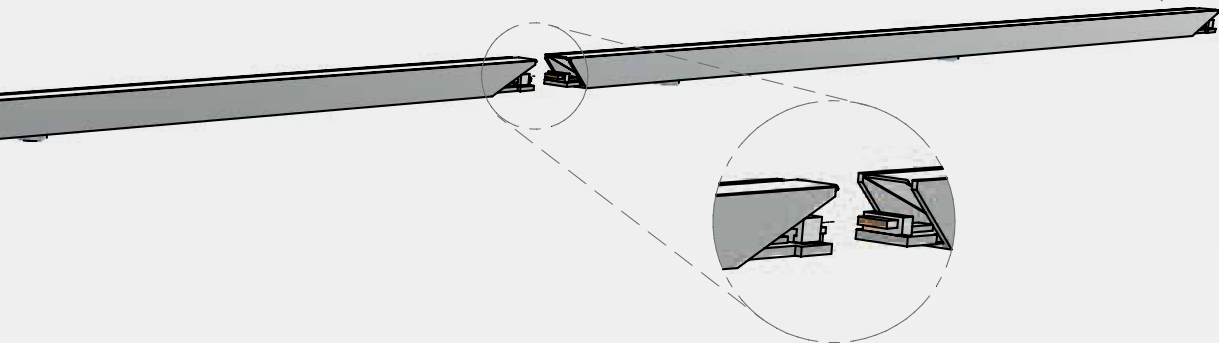
Accessories

CODE	VERSION
FY12580	Opaline diffuser
FY-12590	Transparent diffuser

SLAVE

FY-12840  
FY-12860  
FY-12570

Quick connection between lighting elements by means of push-fit connectors. Elements are easy to replace.



# LED-LIGHT



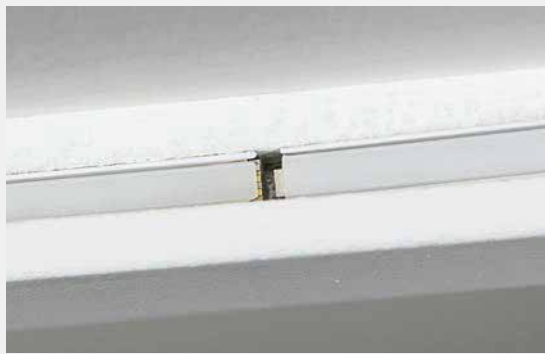
Put plug connector closer to socket connector.



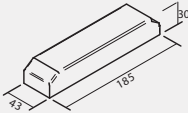
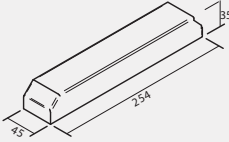
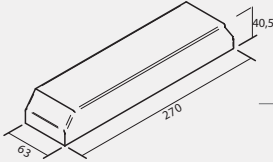
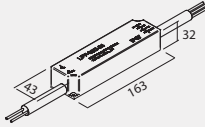
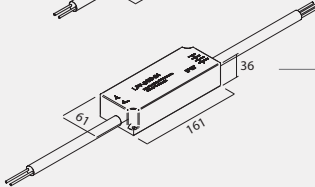
Insert plug connector into socket connector.



Close electric contact by means of safety hook.



CONSTANT VOLTAGE DRIVER

	CODE	ENERGY VOLTAGE	POWER	WEIGHT	VOLUME	DIMMER
	FY-12870	24 V	35 W	0,37 Kg	0,003	—
Max. no. of 3.4W electric components = 9 pcs. Max. no. of 6.2W electric components = 5 pcs.						
	FY-12880	24 V	60 W	0,6 Kg	0,003	—
Max. no. of 3.4W electric components = 16 pcs. Max. no. of 6.2W electric components = 9 pcs.						
	FY-12890	24 V	150 W	0,9 Kg	0,003	—
Max. no. of 3.4W electric components = 41 pcs. Max. no. of 6.2W electric components = 22 pcs.						
	FY-12072	24 V	60 W	0,44 Kg	0,001	1-10V
	FY-12073	24 V	90 W	0,7 Kg	0,001	1-10V

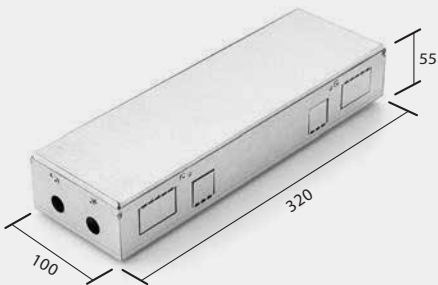
The power supply cable section must have adequate size for 24V circuits considering the power required and the distance between LED and driver.

MAXIMUM DISTANCE BETWEEN SOURCE AND DRIVER

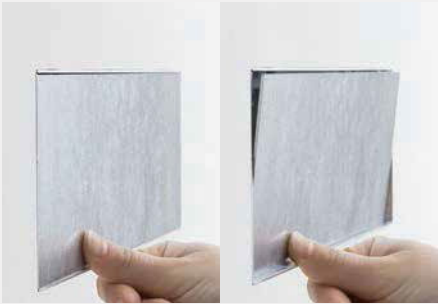
EXAMPLES OF POWER CONSUMED PER EACH PART OF CIRCUIT	WIRE SECTION			
	0,75 mmq	1 mmq	1,5 mmq	2 mmq
25 W	35 mt	48 mt	75 mt	103 mt
50 W	14 mt	21 mt	35 mt	49 mt
65 W	11 mt	16 mt	27 mt	38 mt

OUTER CASING FOR PLASTERBOARD OR BRICK

The outer casing can be installed on both plasterboard and brick walls using the relevant flaps. The closure system based on magnets makes the door invisible and, at the same time, easy to remove to facilitate wiring and inspection. The outer casing allows the drivers to be located close to the ASO products minimising the issue of the power supply cable size.



CODE  
FY-12900



## 1. Choose your ASO

The ASO system order consists of 4 phases to guarantee maximum use flexibility.

- a) Eps profil e purchase order
- b) LED bar purchase or der
- c) Driver pur chase order
- d) Outer casing purchase order (optional)

## 2. Profile order

- B. Round up the quantity to be ordered if the profile dimension is not exactly a multiple of a metre. The end piece must be cut to measure during installation using a simple hacksaw.

### 3. LED bar order

- a. Order a MASTER LED bar (the first to be connected to the driver) and a number of SLAVE LED bars (connected in sequence) equal to the length of the profile to be lighted rounded up to the higher ½ metre.
- B. If the total length is lower than a multiple of 500mm, the LED bar can be cut by multiples of 100mm by placing the hacksaw on the point indicated in the figure



otherwise the bar will not work properly.

## EXAMPLE OF ORDER

Layout with a length of 2700mm with 6.2W FYLO article code FY-12700:

1. EPS PROF ILE ORDER  
- no. 1 code FY-12700-3 (3pcs)  
N.B: the end piece must be cut by 300cm
2. LED BAR ORDER  
- no. 1 code FY-12830 (MASTER)  
- no. 5 code FY-12840 (SLAVE)  
N.B: the end piece must be cut by 300mm
3. DRIVER ORDER  
- no. 1 code FY-12880

ascolights<sup>TM</sup>

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