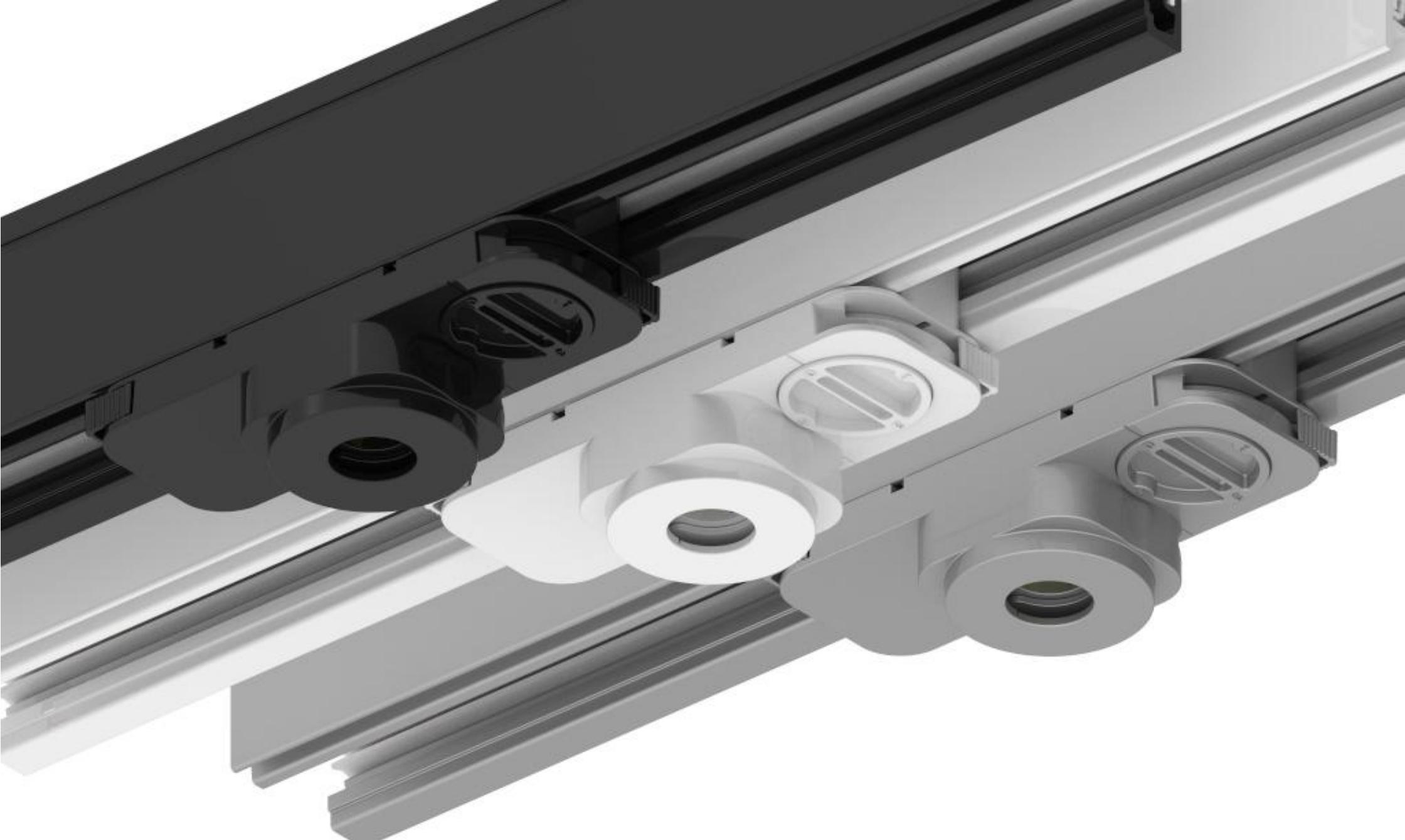**A.A.G.**

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ONETRACK

A.A.G. Stucchi TRACK LIGHTING SYSTEM

FEBRUARY 2015
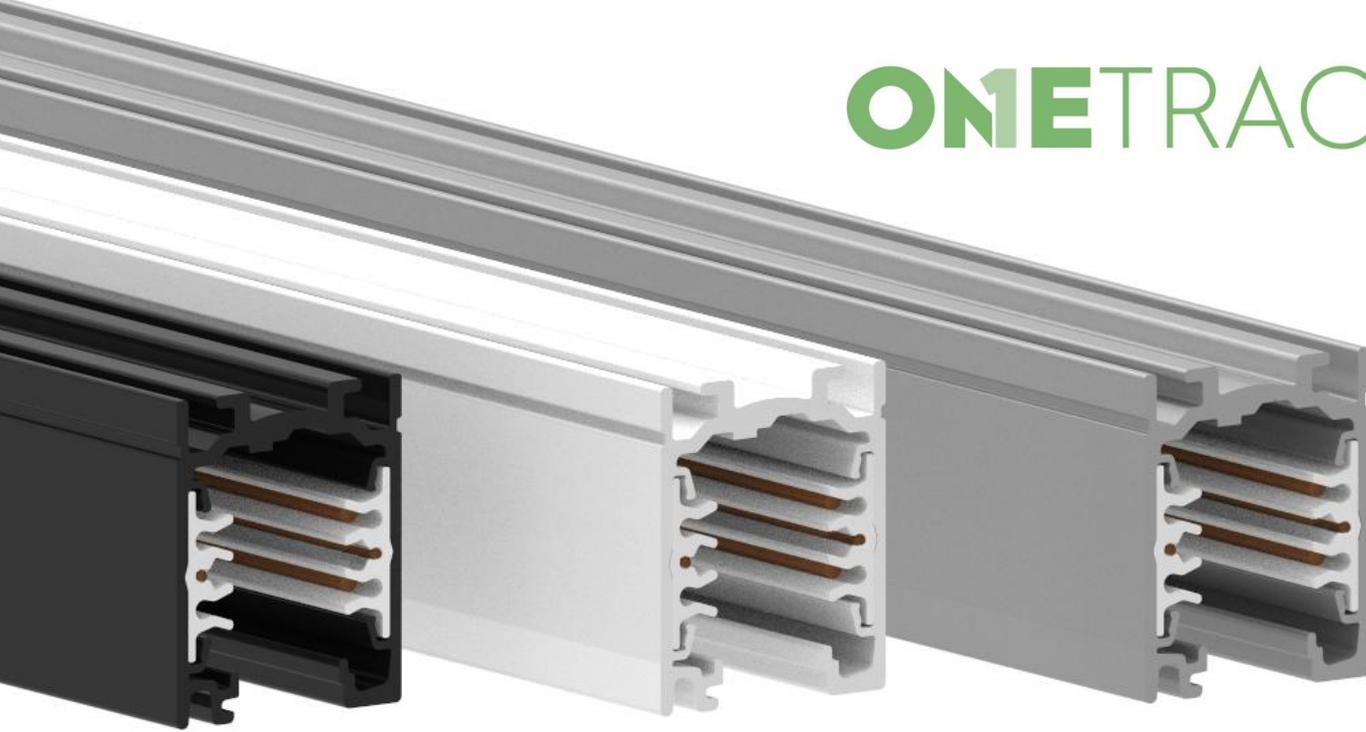
ONETRACK **A.A.G. Stucchi TRACK LIGHTING SYSTEM**
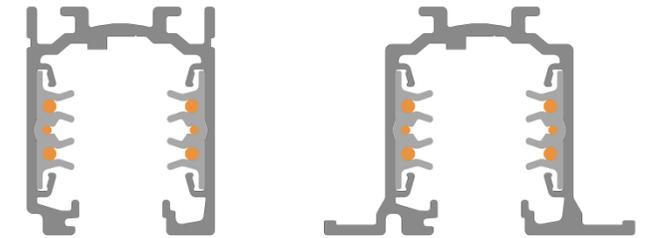
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ON1ETRACK

Two versions:
- standard
- recessed(R)

BLACK (RAL 9005)

WHITE (RAL 9010)

ANODIZED (EN 5)

Four Lengths (L):
- 1000 mm
- 2000 mm
- 3000 mm
- 4000 mm
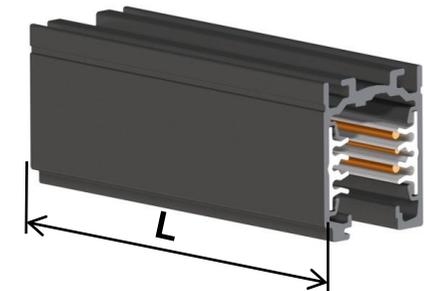
Order Codes:

9000	-	1 (1000 mm)	/	W (white)	-	ST (standard)
		2 (2000 mm)		B (black)		R (recessed)
		3 (3000 mm)		G (grey)		
		4 (4000 mm)				

L

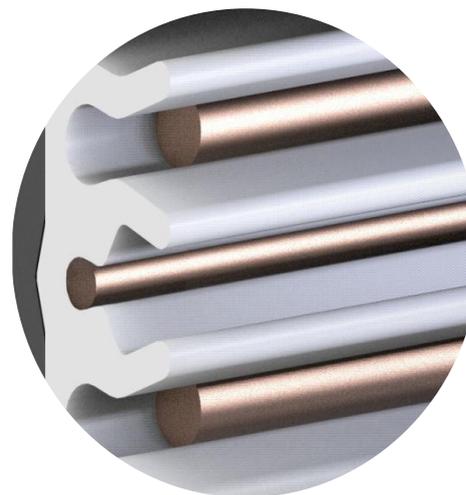The system is tested and certified in accordance with the technical standards IEC60570 and IEC60598.

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Technical Data

Dimensions in mm

37.8

31.4

37.8

52

Electrical Data

L2   L1

D+   D−

L3   N
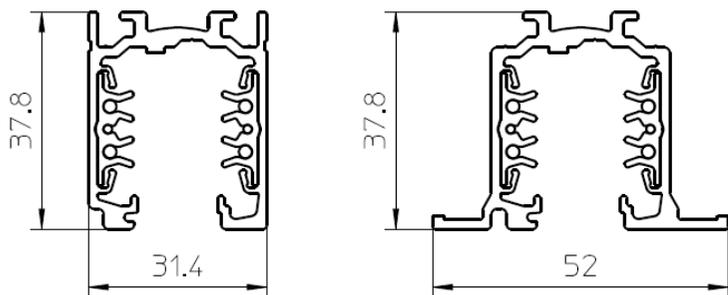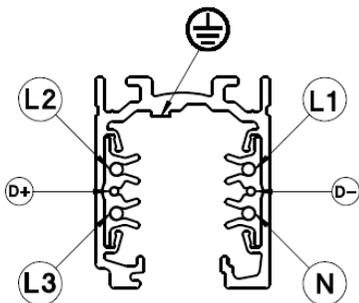
| Voltage	440 V
Current	16 A
Frequency	50 Hz
Phase power	3,6 kVA / 10,8 kVA
Protection degree	IP 20 (IP40 with additional cover)
Protection Class	Class I

To ensure the creepage and clearance distances, all the copper conductors are recessed in the extruded plastic.
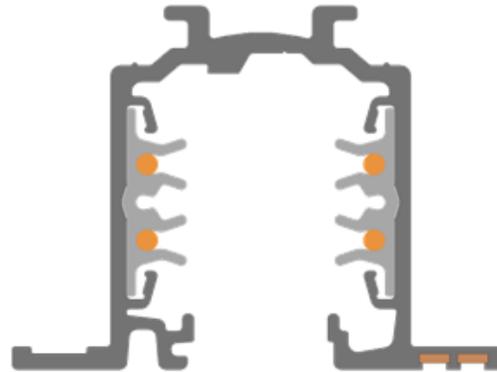
The rail can be easily cut to any length in the field with a tool provide by A.A.G. Stucchi.

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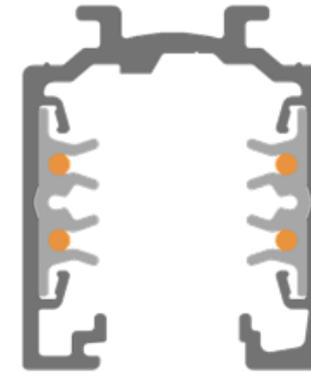
Top state of the art Platform

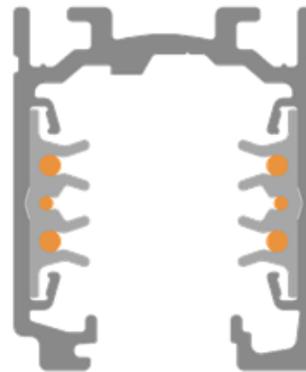## Current "Euro standard" tracks on the market
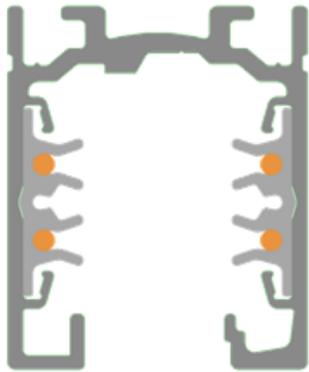
3 Phase

3 Phase+DALI

1 Phase+DALI

"EUROSTANDARD PLUS" track combines the functionality of all 3 tracks systems currently available in the market in one unique product.

EUROSTANDARD
+PLUS

"EURO STANDARD PLUS" track

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"EURO STANDARD PLUS" tracks: advantages

"EURO STANDARD PLUS" track provides a unique "state of the art" solution incorporating all the functionality now available only by using 3 different types of "EURO STANDARD" tracks.

This provides great advantages for both the lighting OEM using it as a platform and the end user of the lighting system.

For the lighting OEM:

- Same product range with 1/3 of the product codes (tracks, connections)
- Drastic reduction of inventory levels
- Increased sales of controllable lighting systems

For the final user:

- The "future proof" platform allows the lighting system to be upgraded to a controllable system at any time. As lighting controls evolve continuously, thanks to the LEDs technology, this gives the system flexibility to work with new protocols.
- Better ROI (Return of Investment)

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Attention to details

In retail and architectural applications, track lighting is an important part of the overall design and often represents an important architectural element.
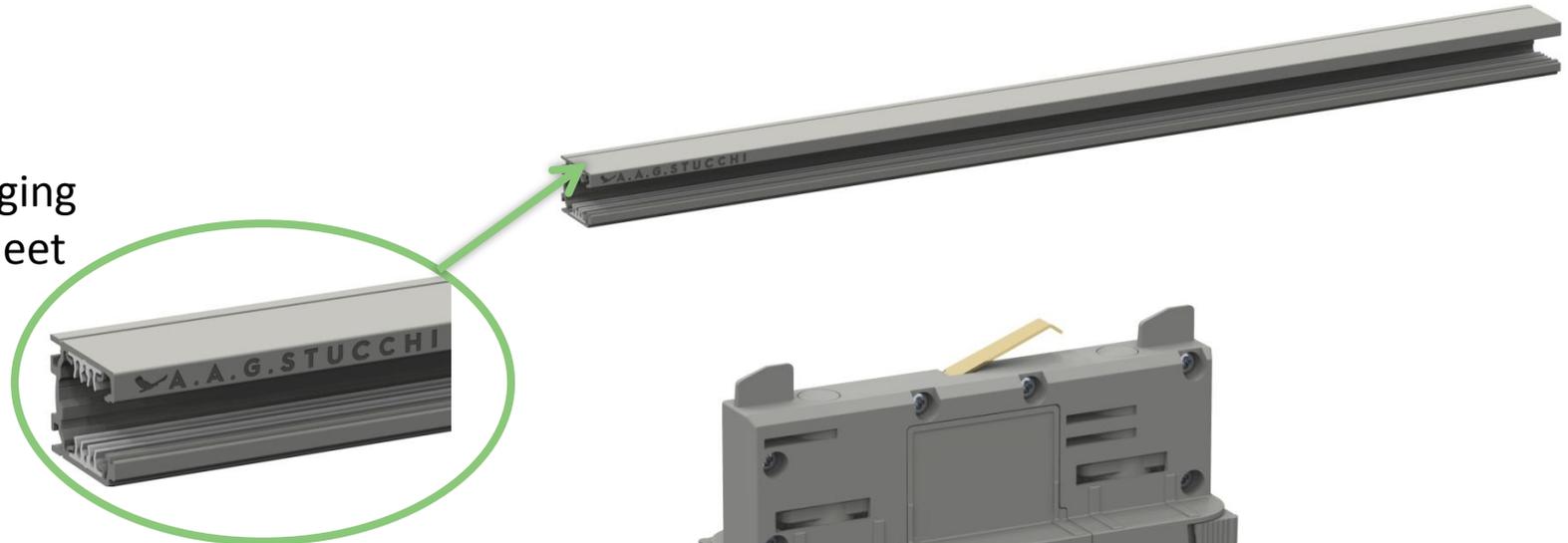
With this in mind we designed all our "EURO STANDARD PLUS" components with a compact size and clean form factor.
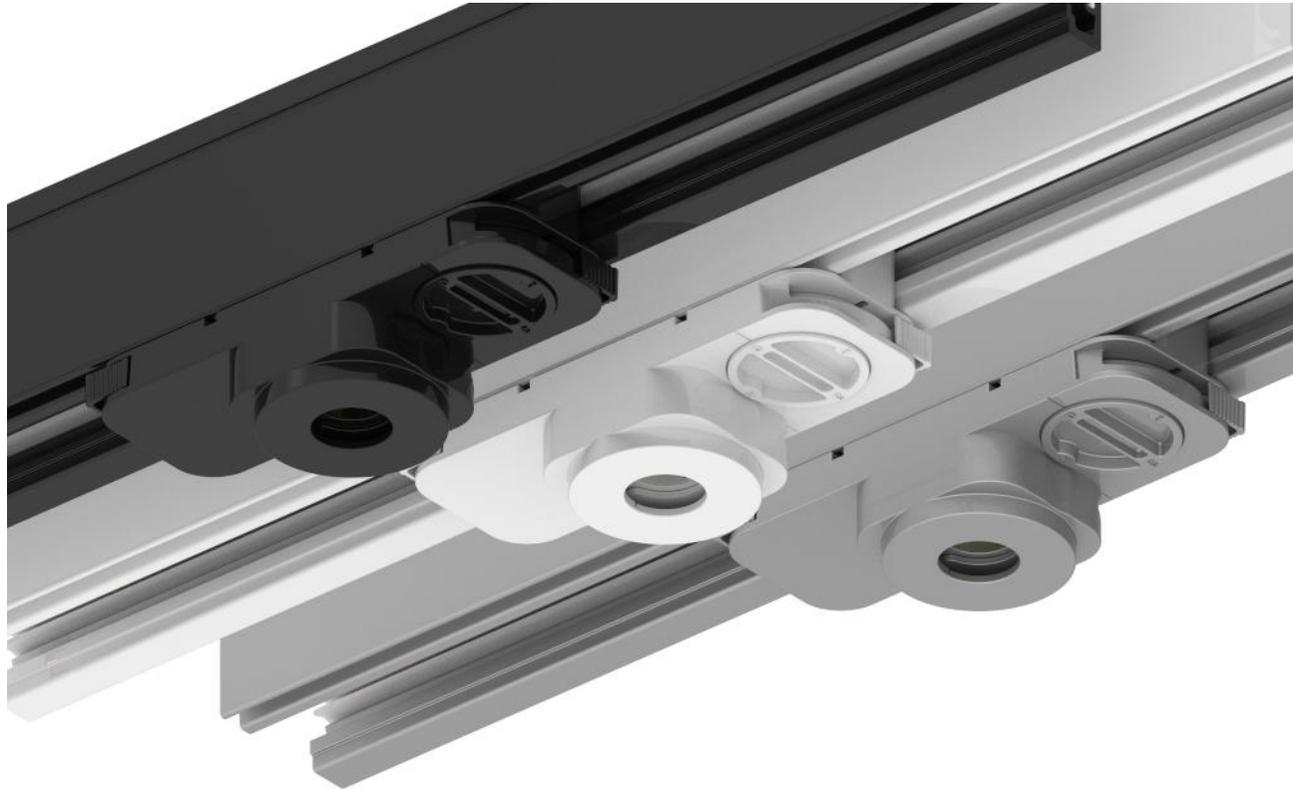
Make it your own branded platform

The complete platform is manufactured so that it can meet different private labeling needs:

- Packaging
  - Labeling
  - Special packaging
  - Instruction sheet

- Track

- Adapter

- Connections

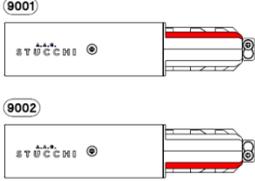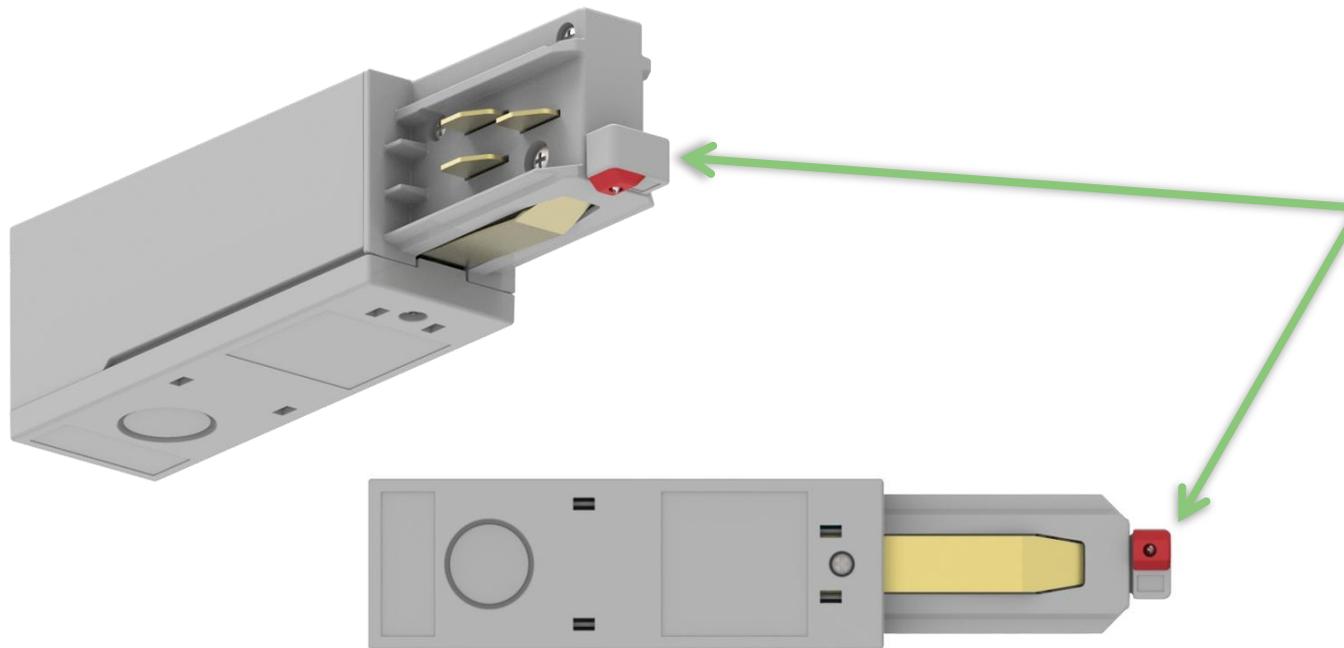# Electro-mechanical connection accessories
OMETRACK

- CONNECTORS
- LIVE-END
- ADAPTORS

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Electro-mechanical connection accessories

The accessories are made of self-extinguishing polycarbonate (class V2 - glow wire 960C)

Art.	Code	Description	Position of the locking screw	Dimensions
End feed	9001/W (R)	White left end feed		
	9001/B (R)	Black left end feed		
	9001/G (R)	Grey left end feed		
	9002/W (R)	White right end feed		
	9002/B (R)	Black right end feed		
	9002/G (R)	Grey right end feed		

Positioning Tab:
The end feed is keyed which guarantees correct assembly of the accessories. Once installed in the track a locking screw is tighten to secure the assembly.

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Electro-mechanical connection accessories

The accessories are made of self-extinguishing polycarbonate (class V2 - glow wire 960C)

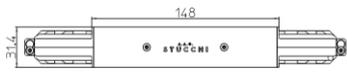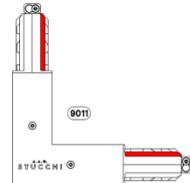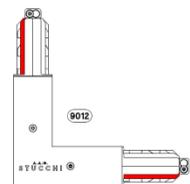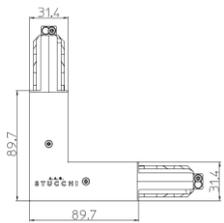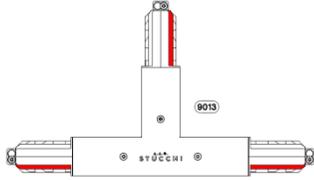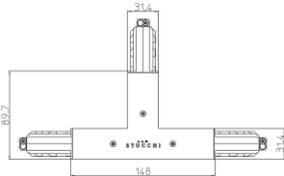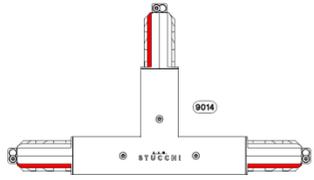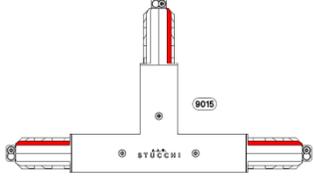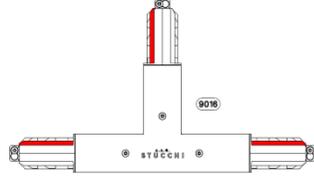| Art.	Code	Description	Position of the locking screw	Dimensions
Middle Feed	9010/W (R) 9010/B (R) 9010/G (R)	White middle feed Black middle feed Grey middle feed		
L-feed	9011/W (R) 9011/B (R) 9011/G (R) 9012/W (R) 9012/B (R) 9012/G (R)	White internal L-feed Black internal L-feed Grey internal L-feed White external L-feed Black external L-feed Grey external L-feed		

Electro-mechanical connection accessories

The accessories are made of self-extinguishing polycarbonate (class V2 - glow wire 960C)

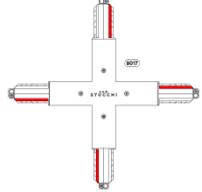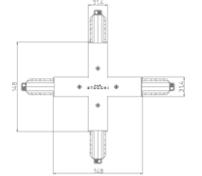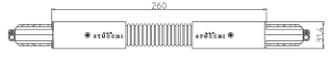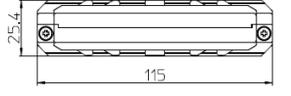| Art.	Code	Description	Position of the locking screw	Dimensions
T-feed				
	9013/W (R)	White external-right T-feed		
	9013/B (R)	Black external-right T-feed		
	9013/G (R)	Grey external-right T-feed		
	9014/W (R)	White external-left T-feed		
	9014/B (R)	Black external-left T-feed		
	9014/G (R)	Grey external-left T-feed		
	9015/W (R)	White internal-right T-feed		
	9015/B (R)	Black internal-right T-feed		
	9015/G (R)	Grey internal-right -feed		
	9016/W (R)	White internal-left T-feed		
	9016/B (R)	Black internal-left T-feed		
	9016/G (R)	Grey internal-left T-feed		

Electro-mechanical connection accessories

The accessories are made of self-extinguishing polycarbonate (class V2 - glow wire 960C)

Art.	Code	Description	Position of the locking screw	Dimensions
X-feed	9017/W (R) 9017/B (R) 9017/G (R)	White X-feed Black X-feed Grey X-feed		
Adjustable corner	9018/W 9018/B 9018/G	White adjustable corner Black adjustable corner Grey adjustable corner		
Jointing connector	9003/W 9003/B 9003/G	White jointing connector Black jointing connector Grey jointing connector		
End cap	9004/W 9004/B 9004/G	White end cap Black end cap Grey end cap		

Track adapter types
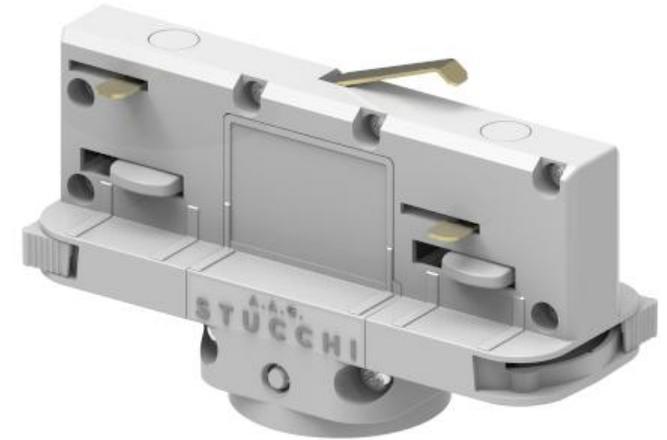## ONETRACK
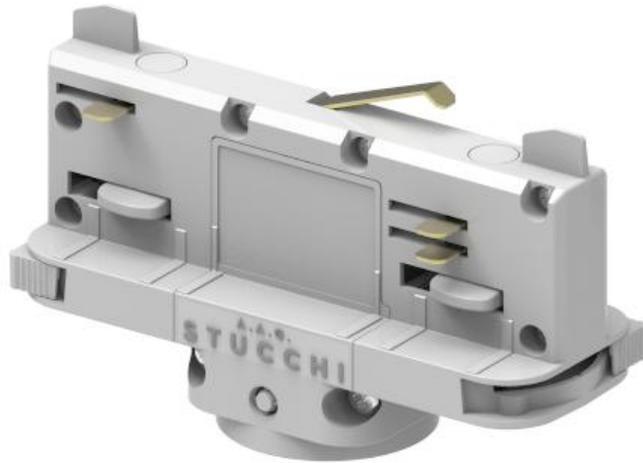
6 conductor adapter
3 PHASE+DALI

4 conductor adapter
3 PHASE

Compatibility:

6 conductor adapter is compatible with Nordic Pulse products.

4 conductor 3-phase adapter is compatible with the majority of the tracks available on the market.

Available in 3 different colors

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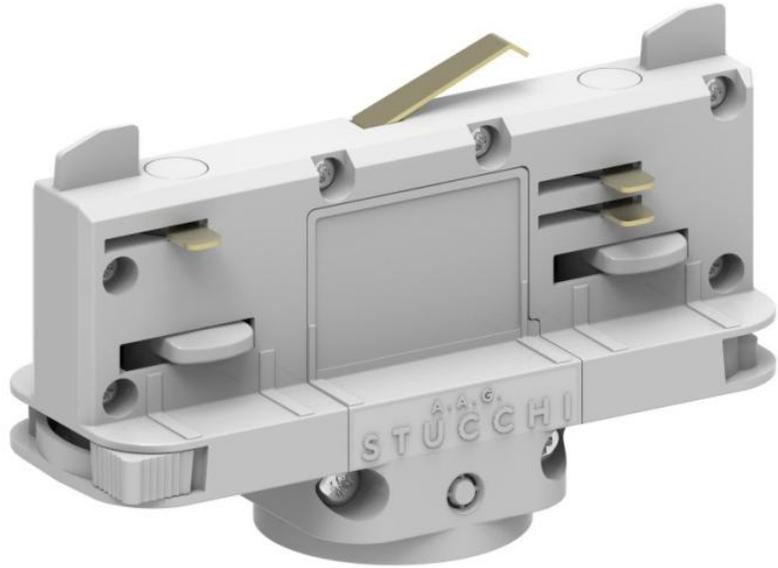
Track adapter

Symmetrical adapter for spotlights is equipped with a phase selector, making installation and configuration a breeze. Two locking mechanisms fix the adapter securely to the track.

The wires are connected with IDC contacts (insulation displacement connector).
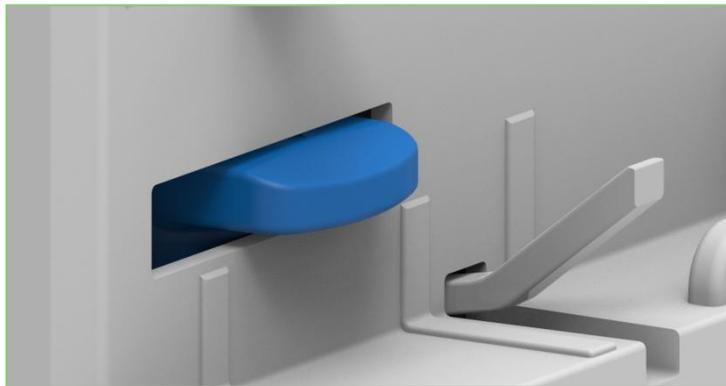
Locking for mechanical fixing.

*Phase **selector**.*
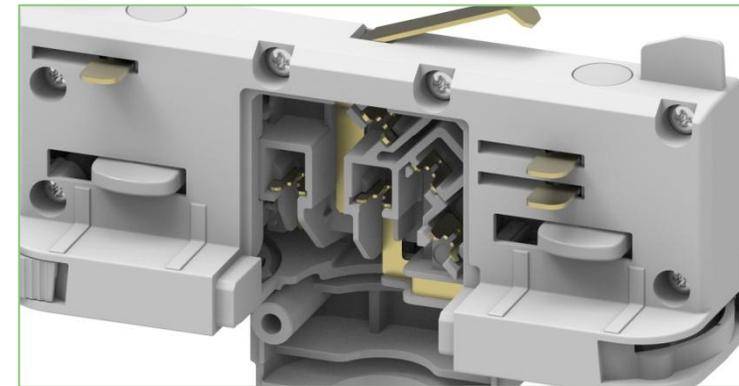
***IDC connection** of the cables.*

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Track adapter: security elements
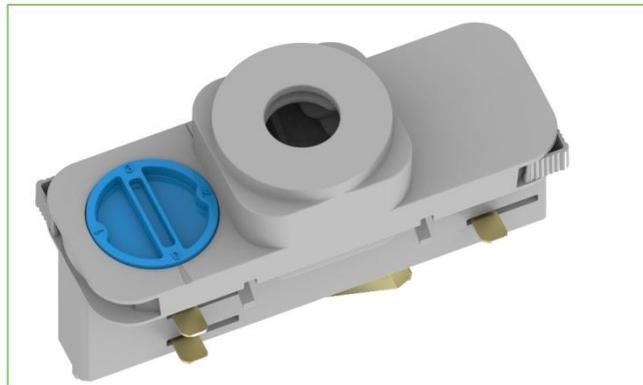

Security element 1:
To avoid the insertion of the 6 conductor adapter in a 4 conductor track.

Security element 2:
To avoid that the 4 conductor (3 phase 1 neutral) adapter is inserted in the incorrect 4 conductor track (1 phase + DALI)
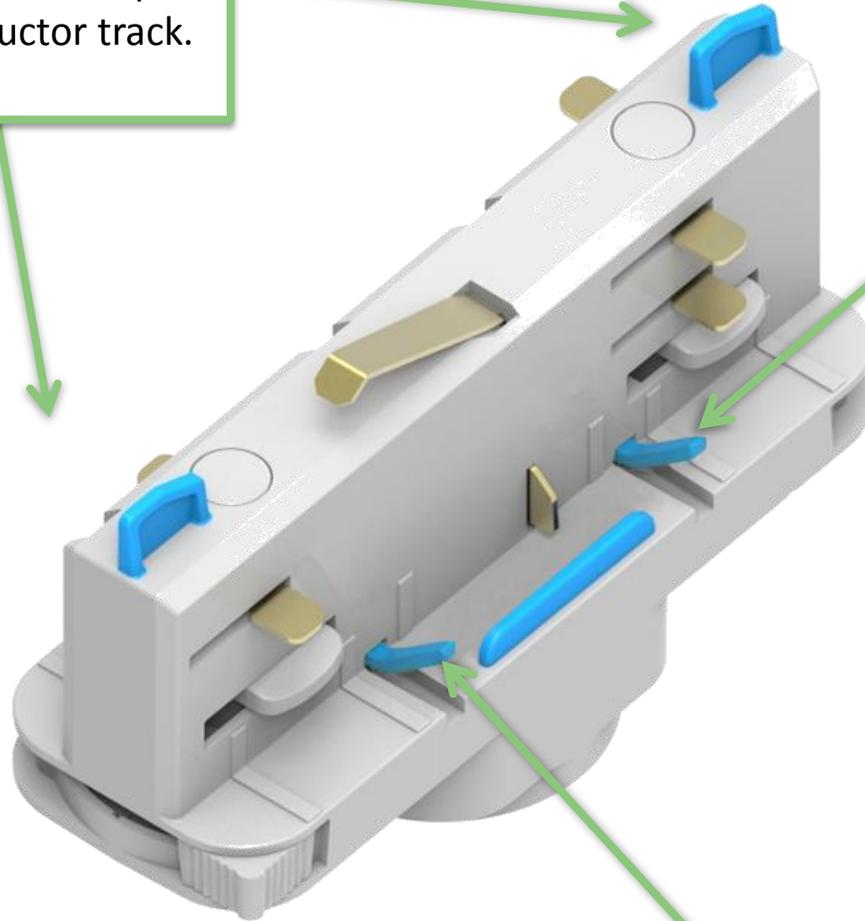
Security element 3:
Locking mechanism will not engage unless the adapter has been correctly inserted into the track.

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Technical specifications

Voltage	250 V
Current	10 A
Wire section (solid and stranded)	0.5 mm² for 6 A max 1 mm² for 10 A max
Maximum pull strenght	100 N
Degree of protection	IP 20 (IP40 with special cover)
Class of protection	Class I
Plastic material	Self-extinguishing polycarbonate (class V2-960°C)

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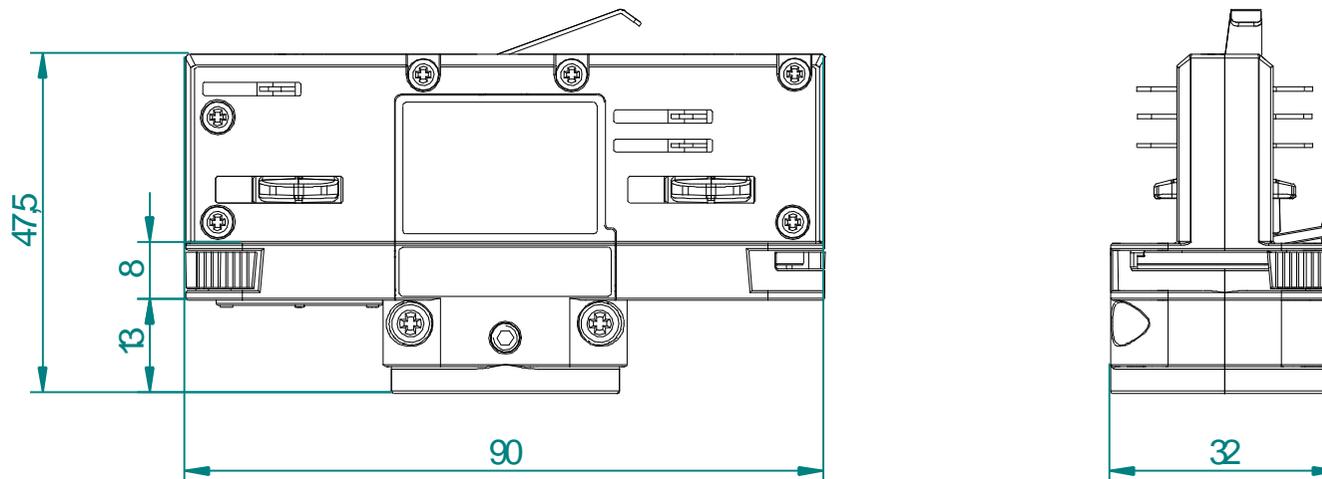
Adapter accessories
ONETRACK
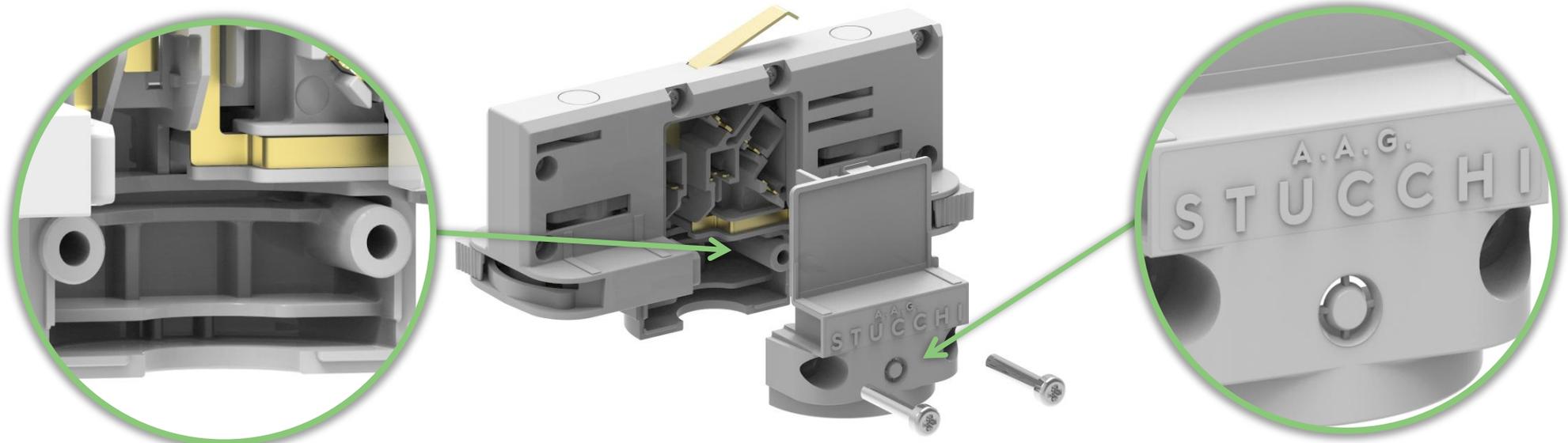
Space for the interface with the luminaire

Knock-out wall

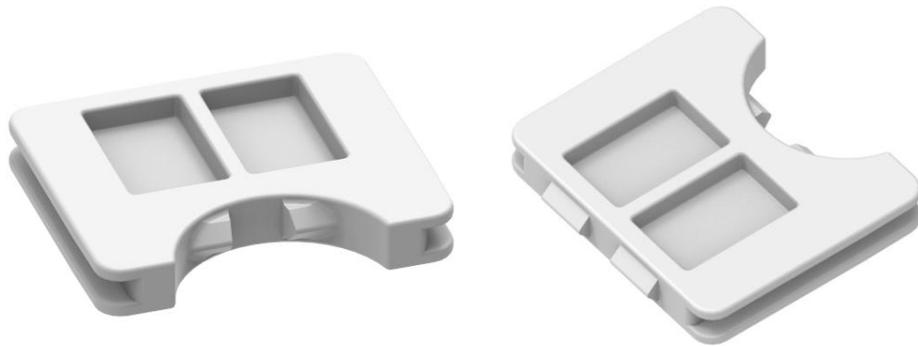The interface with the luminaire is provided by a series of accessories.

Available accessories	
	S-9009/10-W S-9009/10-B S-9009/10-G
	S-9009/M10 S-9009/M13

Available accessories	
	S-9009/BC-W S-9009/BC-B S-9009/BC-G
	S-9009/51

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Adapter accessories

1. **Internal Cord Grip** in plastic for cables with outside diameters of 6 to 9 mm.

   Article code:
   S-9009/10-W
   S-9009/10-B
   S-9009/10-G

2. **External Cord Grip** in plastic for cable having an outside diameter of 6 to 9 mm. When using this cord grip the adapter is an electrical interface only to the lighting fixture. (no mechanical interface).

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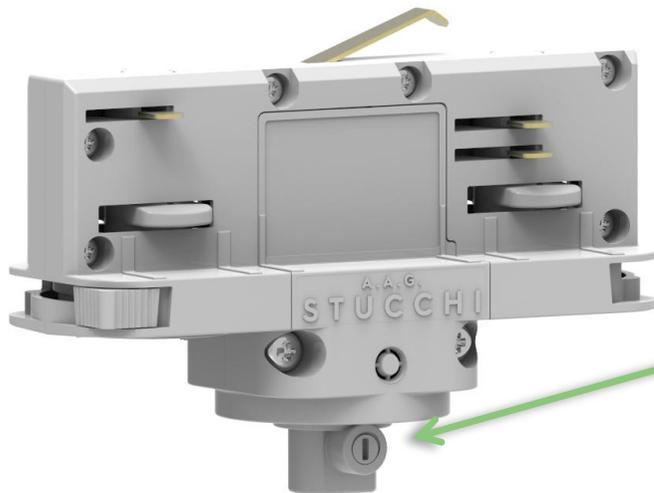
Adapter accessories
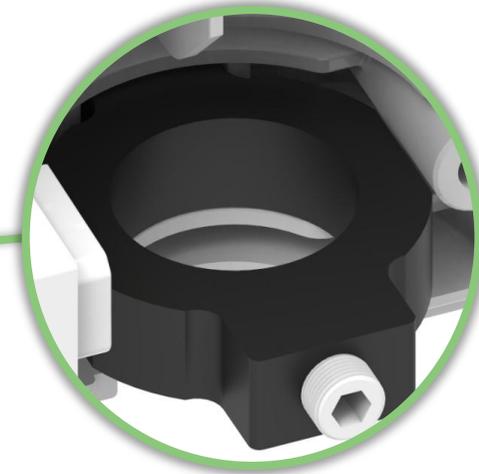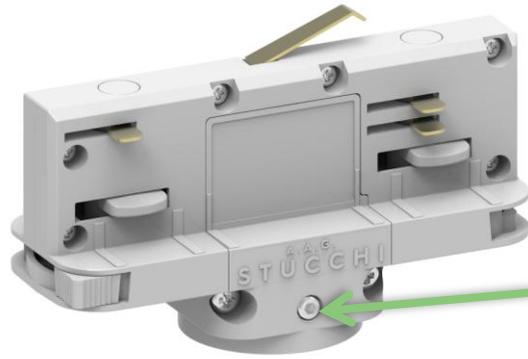
3. **Aluminum Ring** with a locking screw to stop the rotation of the spotlight joint.

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4. **Threaded Nipple** available in M10 and M13 thread.

ø6.5   ø9

M10   M13

10   10
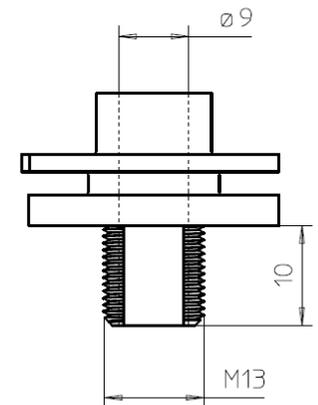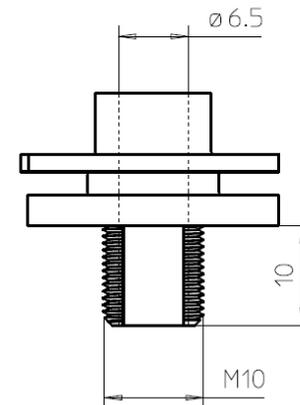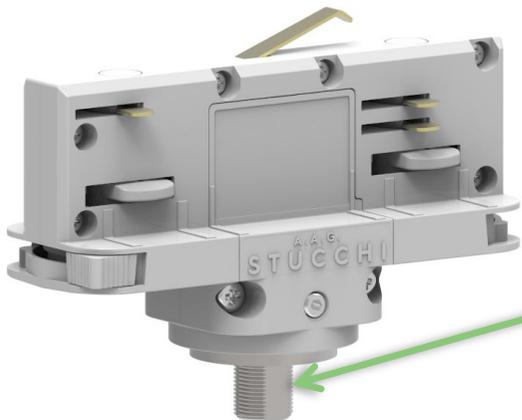
Adapter accessories
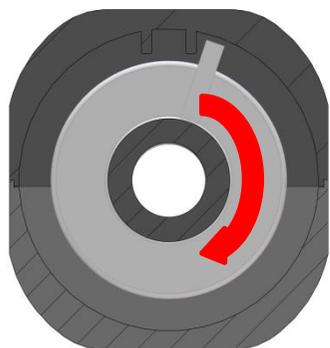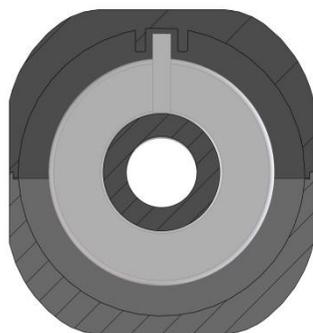
If the pin of threaded nipple is positioned as in figure 1 the luminaire can be rotated approximately 360° and then locked into the desired position with the use of a locking screw as in figure 3. If the pin of the nipple is positioned as in figure 2 (pin inside in the plastic cavity) the luminaire will be in a fixed position with no additional hardware needed.

Figure 1

Figure 2

Figure 3

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Mechanical adapter

5. For heavy loads (up to 150N) a **mechanical adapter**, made of metal and self-extinguishing polycarbonate (class V2-960°C) is available.

Compatible with all electrical-mechanical adapter accessories.

Mechnical and seperate electrical adapter in use.

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Adapters and accessories

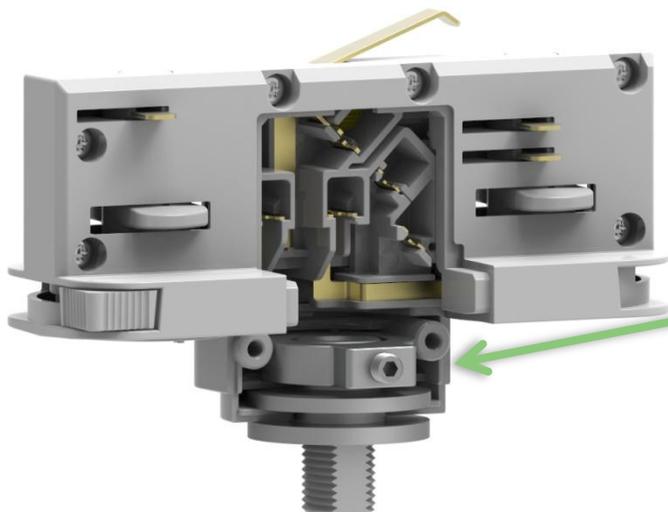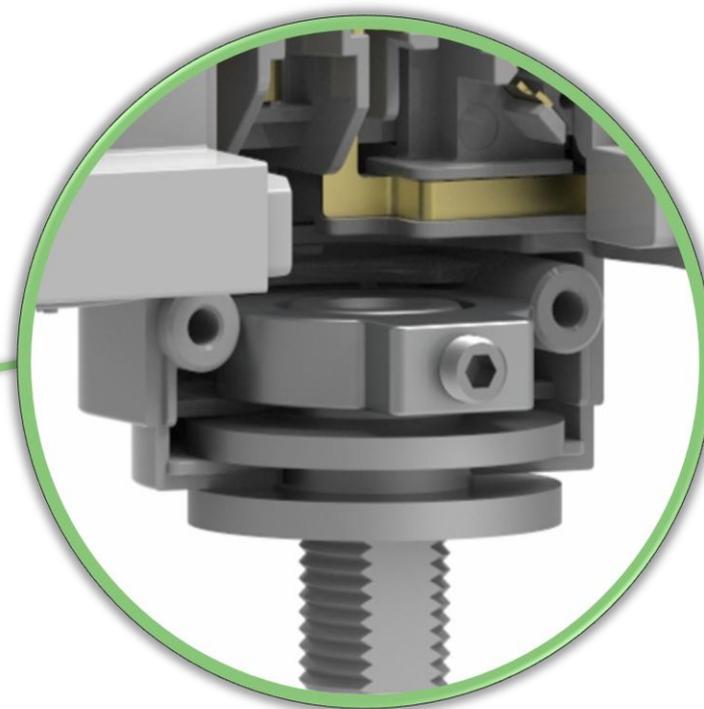| Article	Code	Description
	9009/W	White 6 conductors adapter
	9009/B	Black 6 conductors adapter
	9009/G	Grey 6 conductors adapter
	9009-4/W	White 4 conductors adapter
	9009-4/B	Black 4 conductors adapter
	9009-4/G	Grey 4 conductors adapter
	S-9000/M-W	White mechanical adapter
	S-9000/M-B	Black mechanical adapter
	S-9000/M-G	Grey mechanical adapter
	S-9009/10-W	White internal cord grip
	S-9009/10-B	Black internal cord grip
	S-9009/10-G	Grey internal cord grip
	S-9009/51	Aluminum ring with a locking screw
	S-9009/M10	Aluminum nipple M10 x 1
	S-9009/M13	Aluminum nipple M13 x 1
	S-9009/D-M10	Nut M10
	S-9009/D-M13	Nut M13
	S-9009/BC-W	White external cord grip with plastic screw
	S-9009/BC-B	Black external cord grip with plastic screw
	S-9009/BC-G	Grey external cord grip with plastic screw

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Other available accessories

Articolo	Codice	Descrizione
	S-9009/IP40-W S-9009/IP40-B S-9009/IP40-G	White IP40 carter for the adapter Black IP40 carter for the adapter Grey IP40 carter for the adapter
	S-9000-T/IP40-G	Grey IP40 closure cap
	S-9000/IP40-W S-9000/IP40-B S-9000/IP40-G	White IP40 cover strip for the track Black IP40 cover strip for the track Grey IP40 cover strip for the track
	S-9009/T	Installation Tool for adapter
	S-9000/T	Cutting tool for track wires
	S-9000/H-W S-9000/H-B S-9000/H-G	White suspension hook Black suspension hook Grey suspension hook
	S-9001/115-W S-9001/115-B	Gasket for end-feed white Gasket for end-feed black

Suspension Accessories

Articolo	Codice	Descrizione
	S-9000/211	Steel cable (diameter 1,5 mm – lenght 2 m)
	S-9000/211-S	Steel cable (diameter 1,5 mm – lenght 2 m) with a spherical end
	S-9000/212	Automatic M5 gripper with integrated balancing cylinder and side hole
	S-9000/213	Automatic gripper with hook
	S-9000/214	Automatic Lock
	S-9000/215	Screw Lock
	S-9000/216	Round head ceiling attachment with hole
	S-9000/111	Ceiling bracket
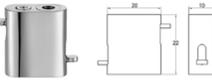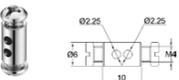
Articolo	Codice	Descrizione
	S-9000/112-LA	Short pendant linear bracket with countersunk hole for suspensions (to be used with S-9000/212)
	S-9000/112-SV	Short flaring pendant bracket for suspensions (use with steel cable with spherical ens)
	S-9000/122-LA	Long pendant linear bracket with countersunk hole for suspensions to be used when tracks are connected with a 9003 joint (use with S-9000/212)
	S-9000/122-SV	Long flaring pendant bracket for suspensions to be used when tracks are connected with a 9003 joint (use with steel cable with spherical end)
	S-9000/113	Short "T" pendant bracket for suspensions (use with S-9000/213)
	S-9000/123	Long "T" pendant bracket for suspensions (use with S-9000/213)
	S-9000/114	Fast fixing bracket
	S-9000/114-T	Fast fixing bracket to be used with gripper

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