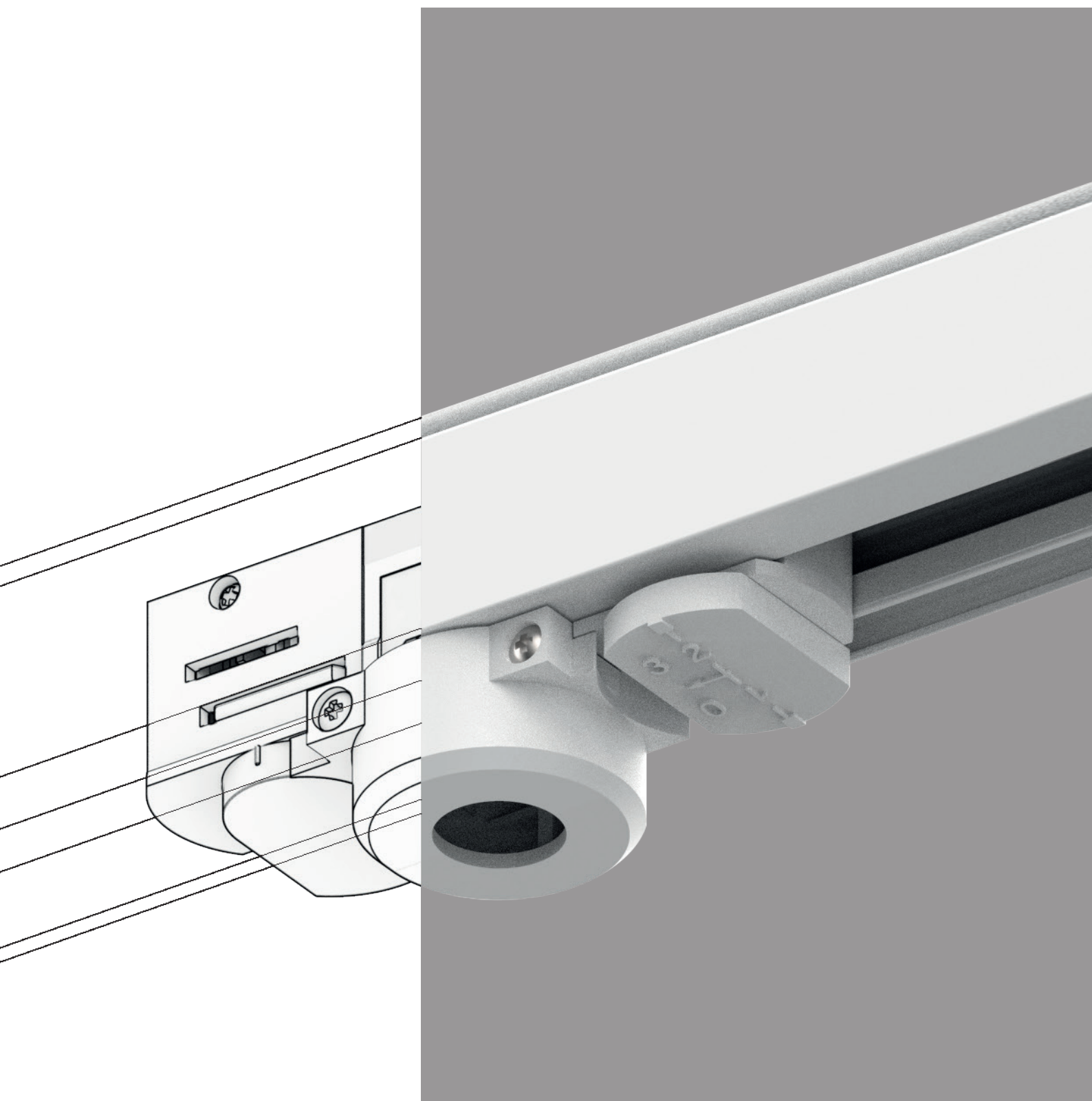
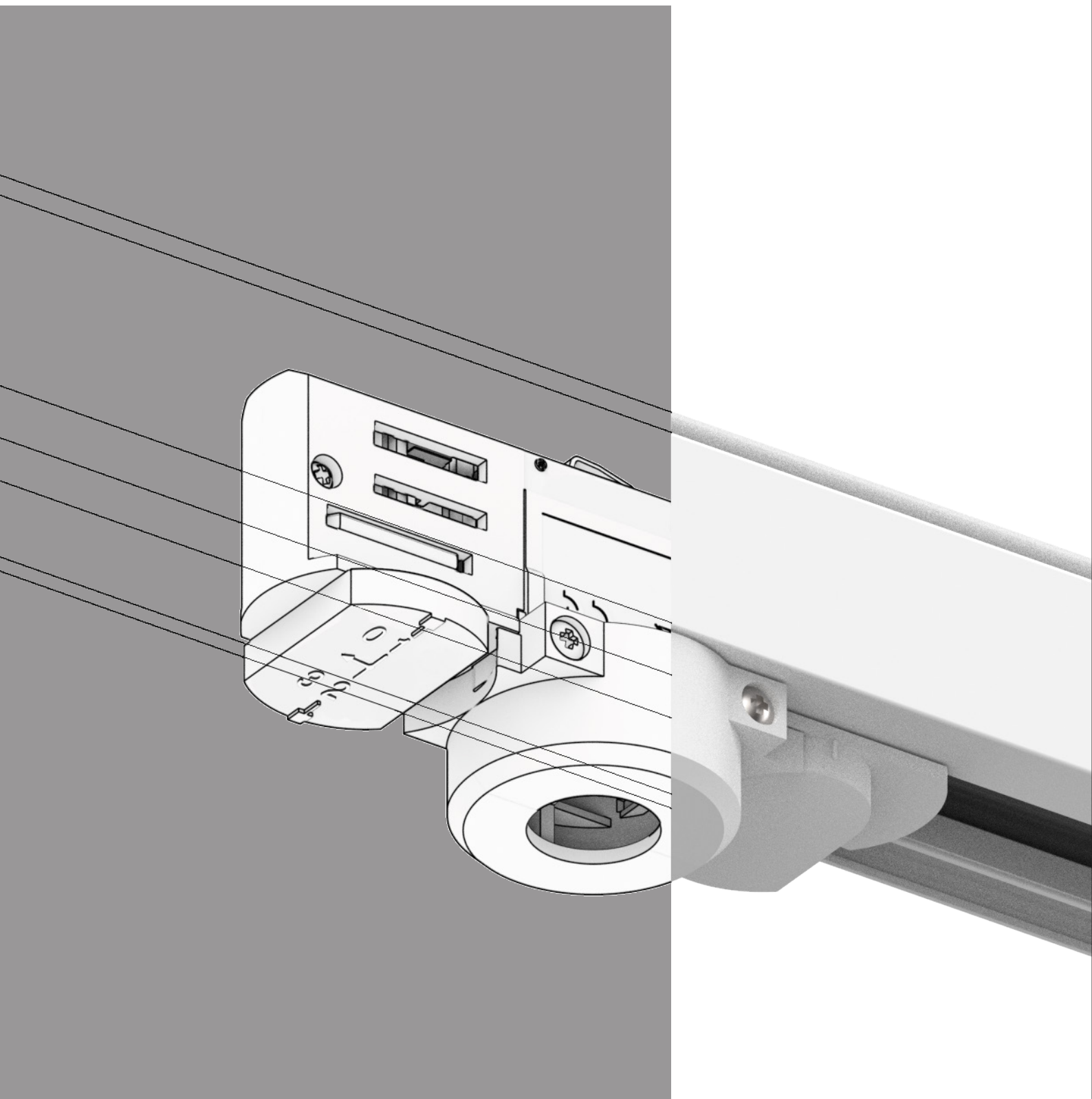




1~ 3~ led

Lighting tracks and adapters
for innovative luminaries



Providing power – Total light management

Precise and efficient lighting



We will implement your visions!

Our know how will speak for itself; with our broad range of lighting tracks and adapters we offer the right products for your lighting solution, in combination with our lighting control system – EUTRAC Intelligent Lighting – we can stage your lighting idea in a flexible, cost effective and intelligent way.

We are your competent partner to implement individual new product developments, in the lighting as well as other industries such as furniture, medical or shop outfitter.



Design: arclite® energy mind® VISION, **Product:** trackVISION 10, **Manufacturer:** Arclite® Lichtvertrieb GmbH

Design: Selux Design, **Product:** CITYLIGHTS 130, **Manufacturer:** Semperlux AG

Design: Ralf Keferstein, **Product:** GATE B FOUR P, **Manufacturer:** OLIGO Lichttechnik GmbH



■ ■ ■ **EUTRAC Intelligent Lighting**

The intelligent track
NetComposer – Lichtmanagement



06–07
06–07



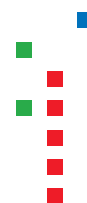
06–07
06–07

■ ■ ■ **Tracks**

48V led-trac
1~ Surface track
3~ Surface track
Suspension accessories
Recessed flush mounted profile
Recessed track
HighTrack



08–11
12–15
18–21
24–25
27
28–31
34–37



08–11
12–15
18–21
24–25
27
28–31
34–37

■ **led Adapter**



39



39

■ **1~ Adapter**

invi-trac Adapter



39



39

■ **3~ Adapter**

invi-trac Adapter
invi-trac driver
ElectronicMultiAdapter LED.30
in-line Adapter
MultiAdapter
UniCompactAdapter
MultiCompactAdapter
Retaining collar
Socket outlet adapter
MechanicalAdapter



40
41
42
42
43
44–45
46
46



40
41
42
42
43
44–45
46
47

■ **Monopoint**



49



49

Surface Monopoint

■ ■ **Technical information**

Layout help
Mechanical load
Connecting and securing help
Index
EUTRAC worldwide



50–51
52
53
56
57



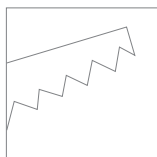
50–51
52
53
56
57

1~

3~

led

The lighting track system

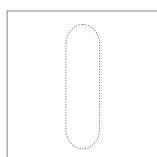


Easy to cut

Cutting to the required length can be done easily on site. No need for time consuming cutting back or bending back of copper conductors. No need for any special tools.



1~ Lighting track with 1~ invi-trac Adapter



Mounting points

Surface track with pre-punched slotted holes every 333 mm (3~ track), and every 203 mm (1~ track). Slotted holes are 6 mm – 25 mm. Holes can be easily opened with a screwdriver or a similar tool.

The EUTRAC lighting track system – tracks, system components, adapters and monopoints – offers flexible and wide options of power supply products for your lighting structure.

The EUTRAC 3~ Track does not only work with EUTRAC adapters but also with other universal adapters from other suppliers. Furthermore the EUTRAC adapters will fit into other manufactured universal tracks. All EUTRAC products are designed and tested against the most current European standards.

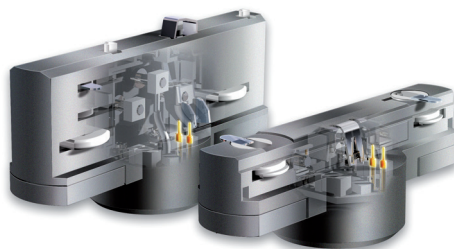
All EUTRAC plastic parts are manufactured out of self-extinguishing polycarbonate according to UL 94, class V0. All power and data bus contacts are manufactured out of high quality material for very high and good connectivity. This will guarantee a high durability and a long life cycle.

- white
- black
- ◇ silver
- grey

Colours

Tracks are available in powder coated, white (close to RAL 9016) and black (close to RAL 9005) or silver anodized (E6/EV1). System components and adapter are available in four different colours, white (close to RAL 9016), black (close to RAL 9005), grey (close to RAL 7038) and silver painted (close to RAL 9006). Tracks are colour matched to components and adapters as close as possible.

All products are tested and certificated by ENEC 05, and comply with European standards EN 60 570 and EN 60 598, all products are CE marked. For the North American market the products are tested and certificated according to the UL standards.



The lighting track system with full data – functionality

.... will become an intelligent track system by simply using a lighting control system in your individual project:

Public buildings, offices, conferences

Calling light scenes for different activities, motion sensors connected to light fixtures in offices or other workplaces and light sensors for daylight-dependent lighting management. Besides visual ergonomics, EUTRAC Intelligent Lighting offers also significant potential for savings on energy costs in offices and administrative buildings.

Exhibitions, museums, trade fairs

Exhibits and presentations depend on the right light. In museums and at trade fairs, EUTRAC Intelligent Lighting offers new possibilities for showing objects in the right light, at the right time. Using timers, dimmers and light/motion sensors, lighting management can offer a whole range of technical possibilities to ensure intelligent use of modern lighting technology. This does not only save energy but may bring benefits for reasons of conservation too.

Architecture, building facades, events

Creative light scenes convert building facades and stages for shows or events into unique experiences. Use of specific lighting inside and outside of a building will help improving corporate appearance. In addition media facades are used to communicate visual messages and can be flexibly programmed with the help of a professional lighting management system.

Hotels, restaurants, shops

Today's products and brands are set in scenes using light. Modern lighting management offers convenient and practical solutions for showrooms, hotels and restaurants. Automatic light sequences can be used for dynamic lighting in shops. A room can be simply redecorated using blend of coloured light, changing its appearance without having to change the room itself.

Airports, stations, underground garages

Thanks to lighting management systems, lighting in public areas become increasingly more professional. With EUTRAC Intelligent Lighting, light can be optimised and adjusted according to requirements. Light will be controlled in brightness and colour, switched on and off or dimmed according to needs, times or events.

EUTRAC DALI
the intelligent track™



Light scene control
Light direction
Colour change
Data protocol
Energy efficient
Motion sensor

Interactive
Easy operation
Lamp failure detection
Time switching
Day light control



For further information visit www.intelligentlighting.de

The EUTRAC NetComposer, as the heart of an Intelligent Lighting control system, offers all possibilities to implement your lighting ideas into lighting solutions.

Explore the functionality

The NetComposer

- Communicates via three different digital control protocols, DALI, DMX/RDM and Wi-Fi wireless.
- Allows interconnection of up to 255 NetComposer through the ethernet building structure and therefore controllability of a max. of 32 000 light fixtures.
- Manages devices in 128 lighting groups and 128 global lighting scenes.
- Offers manual addressing, fully DMX/RDM functionality, time switching program with ASTRO functionality, colour/white light control, graphic "moving light" operation, day light control/motion sensor control, energy saving mode/power off functionality (switch off all standby consumer), logic modules/functionalities, APP user interface (Apple IOS, Windows WIN 7, Android).



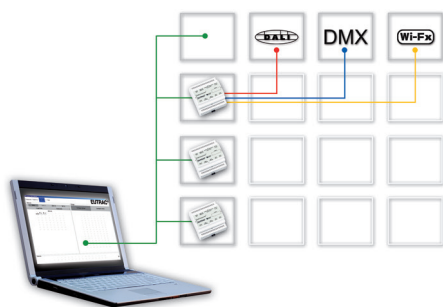
Project: Grange Tower Bridge Hotel
Lighting design: BSE3d
Product: Track Mounted DR8 with 8° LED Head
Manufacturer: Remote Controlled Lighting Ltd.



1~

3~

led



For your individual project specification

Energy-efficient lighting

To reduce energy consumption, presence detectors and daylight sensors as well as automatic disconnection from the mains network in standby mode, help improving the energy balance.

Flexible lighting

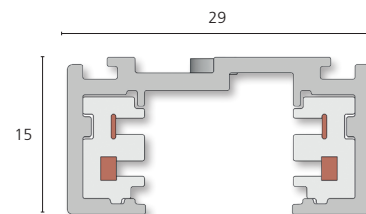
Practical and economical solutions for multi-functional use of rooms and buildings.

Ambience lighting

Emotional wellness lighting and colour control for light moods and light experiences.

Stage lighting

Creativity for sales, presentations and building facades, as well as for events or theatres.



led Recessed flush mounted profile for 48V led-trac

+ Data bus



Recessed flush mounted profile
Material: aluminium profile raw
L = 3.000 mm



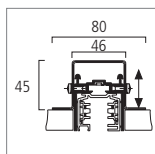
End cap for recessed flush mounted profile
Material: Polycarbonat



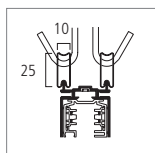
Mechanical coupler
Material: galv. steel
180°



Mechanical coupler
Material: galv. steel
90°



Mounting brackets
for fixing recessed mounting profile made of perforated steel, fixing by self-tapping screws, adjustment 8–28 mm, 6 pieces per packing unit

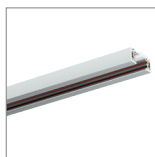


Snap hanger
for suspension with fast fixing devices provided on site, 6 pieces per packing unit

	white ○	black ●	silver ◇	grey ●
556 0 4303 0				
556 0 4304				8
556 0 4305 0				
556 0 4306 0				
99-619-0				
557 0 5321 0				

led 48V led-trac

+ Data bus



4-conductor surface track

for a LV circuit up to 48V DC and a maximum current of 25A plus data bus, consists of an extruded aluminium profile and two PVC supporter profiles, each with one embedded 3.4 mm² cross section copper conductors and one 1mm² cross section copper conductor. Easily field cut able with a standard saw.

Data bus for DALI, DMX, 0–10V or KNX protocol.

For EUTRAC lighting control: www.eutrac.de

		○	●	◇
2m	556 2 4102	6	2	3
3m	556 2 4103	6	2	3

led Suspension components for 48V led-trac

+ Data bus



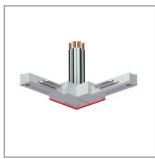
Pendant clip with suspension steel wire, height adjustable



Mechanical coupler for suspension by steel wire

		○	●	●
1.5m	556 0 1301 0			
3.0m	556 0 1302 0			
	557 0 1200	6	2	3





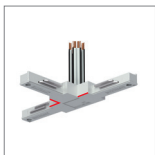
L-feed
outside
pre-wired 8 x 1 meter



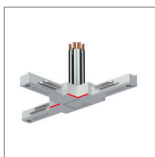
L-feed
inside
pre-wired 8 x 1 meter



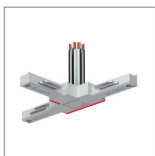
I-feed
pre-wired 8 x 1 meter



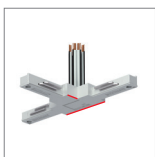
T-feed
inside/right
pre-wired 12 x 1 meter



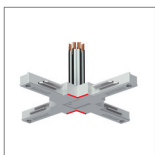
T-feed
inside/left
pre-wired 12 x 1 meter



T-feed
outside/right
pre-wired 12 x 1 meter

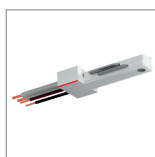


T-feed
outside/left
pre-wired 12 x 1 meter

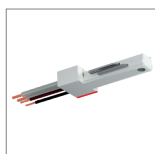


X-feed
pre-wired 16 x 1 meter

	○	●	●
556 2 4209	6	2	8
556 2 4210	6	2	8
556 2 4208	6	2	8
556 2 4212	6	2	8
556 2 4213	6	2	8
556 2 4214	6	2	8
556 2 4215	6	2	8
556 2 4216	6	2	8



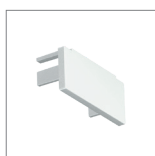
End feed right
pre-wired 4 x 1 meter



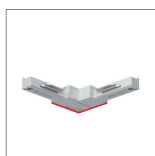
End feed left
pre-wired 4 x 1 meter



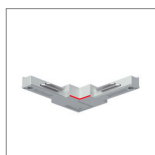
Electrical straight coupler
to join two track sections



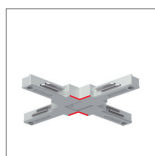
End cap
for 48V led-trac



L-coupler outside
without feeding option



L-coupler inside
without feeding option

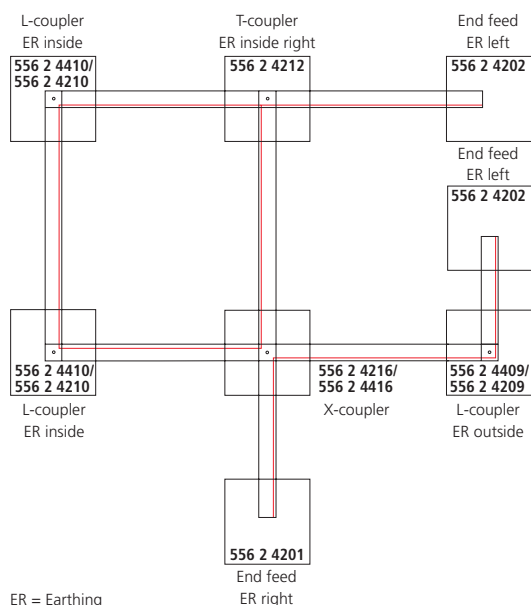


X-coupler
without feeding option

	○	●	●
556 2 4201	6	2	8
556 2 4202	6	2	8
556 2 4206	6	2	8
556 0 4217	6	2	8
556 2 4409	6	2	8
556 2 4410	6	2	8
556 2 4416	6	2	8

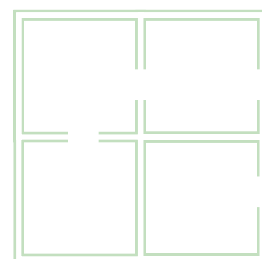
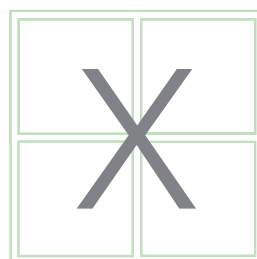
earth run layout help

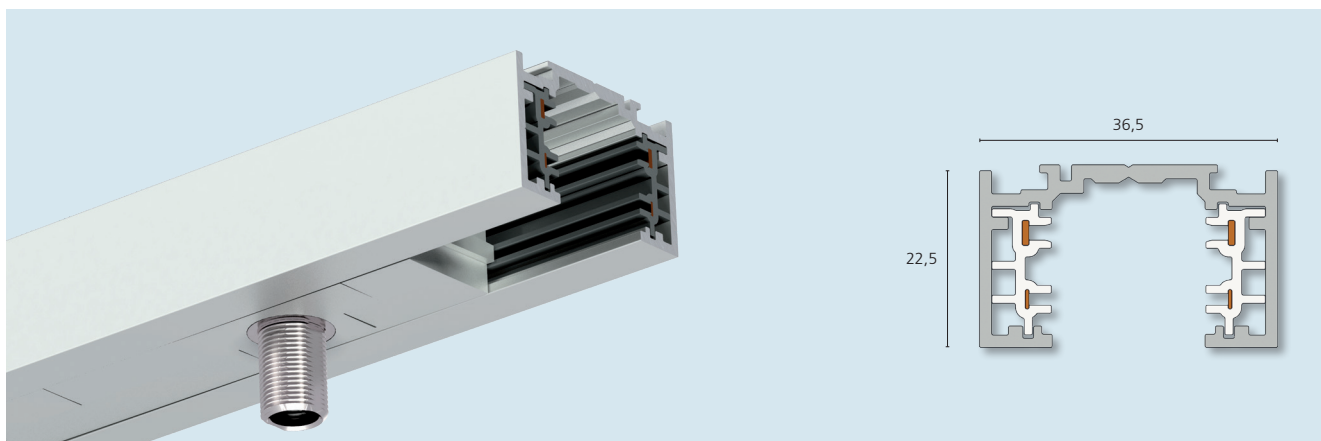
bird's eye view with the track opening pointed downwards



connection diagram for data bus wiring layout

Attention: no closed circle structure





Mechanical load:
page 52



Wiring diagram and
information: page 53



Cutting to length possible
on site



Weight per meter:
0.69 kg



Pre-punched slotted holes



Suspension components:
page 13



1~

Surface track

+ Data bus

5-conductor surface track for one circuit plus data bus, consists of an extruded aluminium profile and two PVC supporter profiles with impeded 2.5 mm² cross section copper conductors, plus impeded 1 mm² cross section copper conductors, earthing through the aluminium profile.

Easily field cut able with a standard saw, no cutting back or bending back of conductors necessary. The track system can be integrated into a building management system.

The data information can be picked up anywhere along the track via adapters. Beside the DALI protocol the data bus can be used for DMX, 0–10V or KNX protocols.

For EUTRAC lighting control: www.eutrac.de

		○	●	◇
1 m	560 2 1101	6	2	3
2 m	560 2 1102	6	2	3
3 m	560 2 1103	6	2	3
4 m	560 2 1104	6	2	3

1~

Suspension components

+ Data bus



Pendant clip with suspension
steel wire, height adjustable

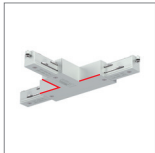


Mechanical coupler
for suspension by steel wire

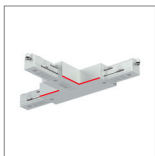
		○	●	●
1.5 m	556 0 1301 0			
3.0 m	556 0 1302 0			
	557 0 1200	6	2	3



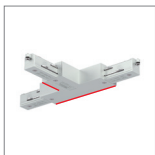
I-coupler
with feeding option



T-coupler
with feeding option
earth inside right



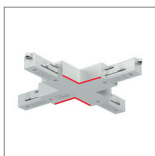
T-coupler
with feeding option
earth inside left



T-coupler
with feeding option
earth outside right



T-coupler
with feeding option
earth outside left

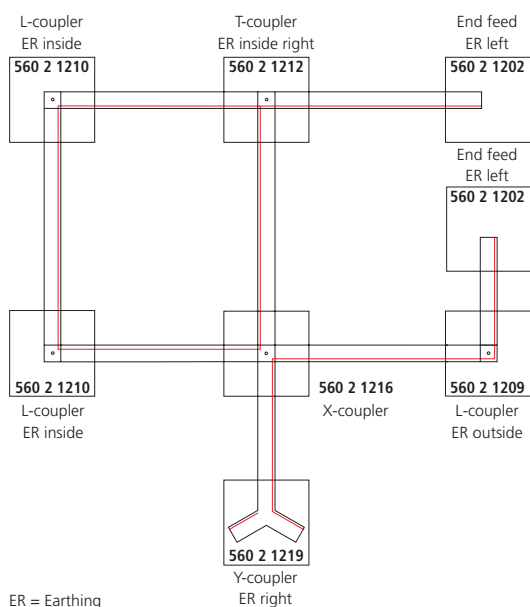


X-coupler
with feeding option

	○	●	●
560 2 1208	6	2	8
560 2 1212	6	2	8
560 2 1213	6	2	8
560 2 1214	6	2	8
560 2 1215	6	2	8
560 2 1216	6	2	8

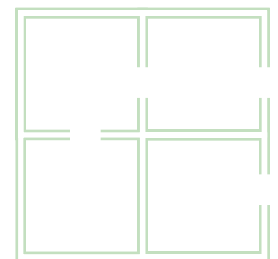
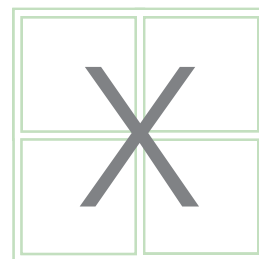
earth run layout help

bird's eye view with the track opening pointed downwards



connection diagram for data bus wiring layout

Attention: no closed circle structure





End feed
earth right



End feed
earth left



End cap



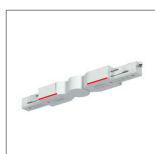
Straight coupler
to join two sections of track
electrically. For static reason
order mechanical coupler
(page 13) if suspended
via pendant rod or wire



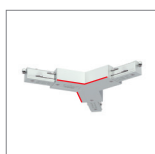
L-coupler
with feeding option
earth outside



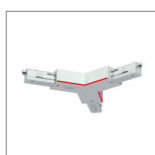
L-coupler
with feeding option
earth inside



Flex-coupler
60° to 300°



Y-coupler
with feeding option
earth left



Y-coupler
with feeding option
earth right

			
560 2 1201	6	2	8
560 2 1202	6	2	8
560 0 1217	6	2	8
560 2 1206	6	2	8
560 2 1209	6	2	8
560 2 1210	6	2	8
560 2 1211	6	2	8
560 2 1218	6	2	8
560 2 1219	6	2	8

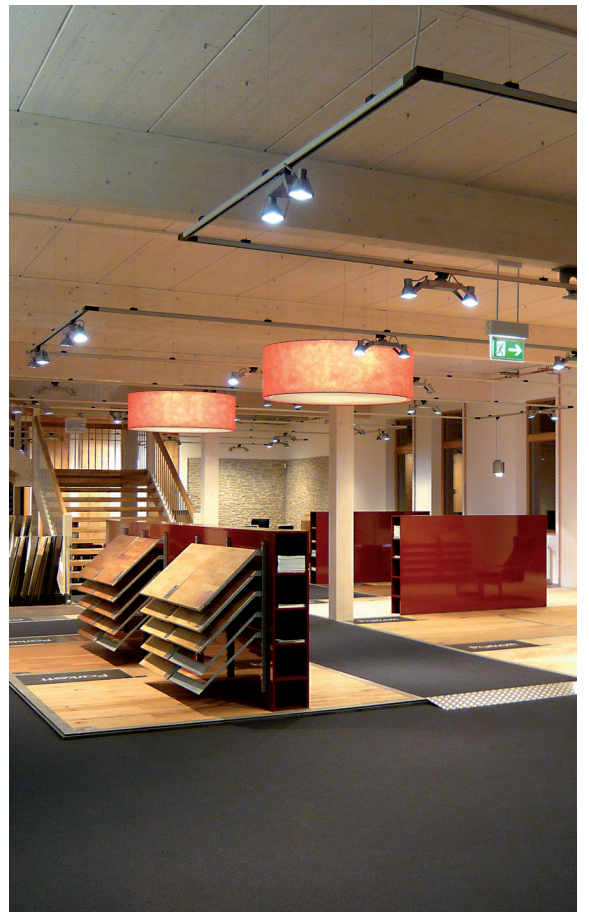


Project: Holzland Klatt, **Product:** Picco Duo und Stoffpendelleuchte,
Manufacturer: Ruco Licht GmbH

Project: Tomasso Brothers Fine Art, **Product:** Track Mounted DR2 with QR111 Lamp,
Manufacturer: Remote Controlled Lighting Ltd.

Project: Stadtmuseum Fellbach, **Product:** Kiteo Stromschienen-Spot 12F mit dynamischem Weißlicht
einstellbare Helligkeit und Farbtemperatur 2700-6500 Kelvin, **Manufacturer:** Kiteo GmbH & Co. KG

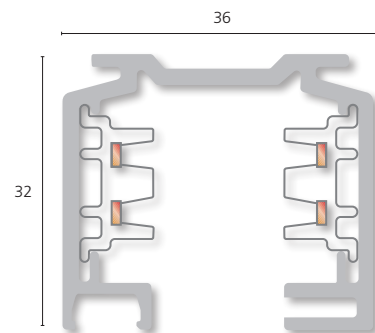
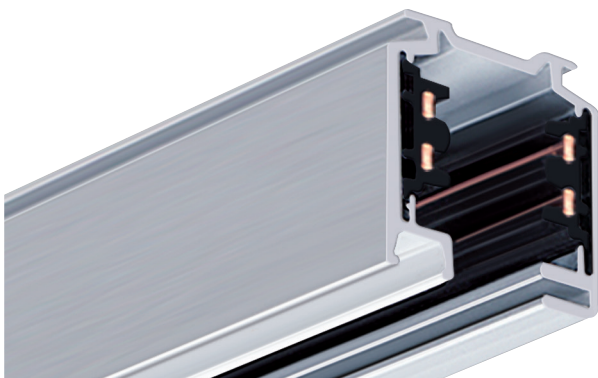
Project: MAX RISCHART'S BACKHAUS, Marienplatz München, **Lighting design:** AHA 360°,
Product: EVO 35°, **Manufacturer:** AHA 360°, AHA GmbH, **Photo:** AHA 360°



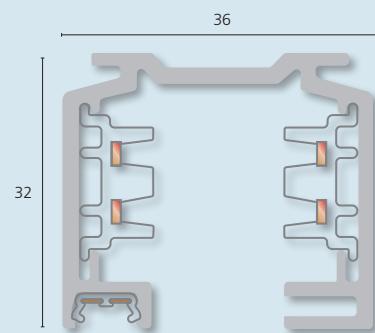
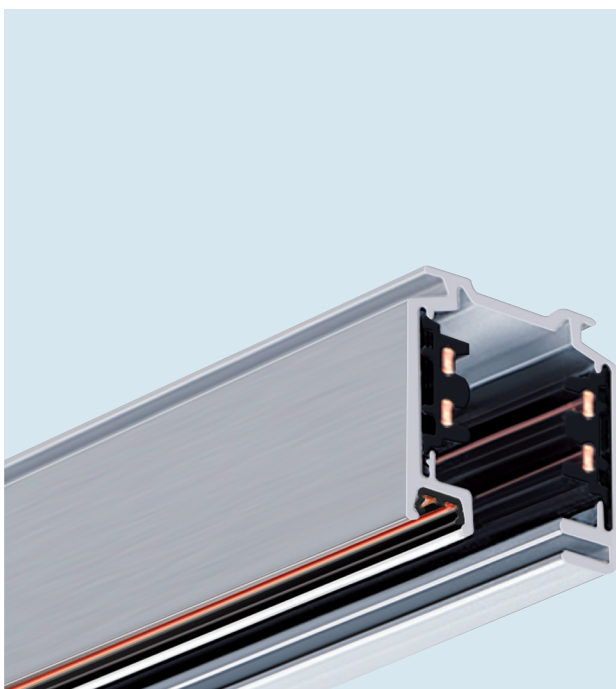


3~

Surface track



+ Data bus



Mechanical load:
page 52



Wiring diagram and
information: page 53



Cutting to length possible
on site



Weight per meter:
0.94 kg



Pre-punched slotted holes



Suspension components:
page 24/25

5-conductor surface track for three circuits, consists of an extruded aluminium profile and two PVC supporter profiles, each with two impeded 2.5 mm² cross section copper conductors, for three independent switchable circuits, earthing through the aluminium profile.

Easily field cut able with a standard saw, no cutting back or bending back of conductors necessary. The track has pre-punched slotted holes and may be used within arm's reach.

EUTRAC adapters with data bus contacts can be used in tracks without data bus. Data functionality is not available in those cases.

		○	●	◇
1 m	25-10	6	2	3
2 m	25-20	6	2	3
3 m	25-30	6	2	3
4 m	25-40	6	2	3

+ Data bus

7-conductor surface track for three circuits plus data bus, consists of an extruded aluminium profile and two PVC supporter profiles, each with two impeded 2.5 mm² cross section copper conductors, plus one PVC supporter profile with two impeded 1 mm² cross section nickel plated copper conductors, for three independent switchable circuits, earthing through the aluminium profile plus two data conductors.

Easily field cut able with a standard saw, no cutting back or bending back of conductors necessary. The track has pre-punched slotted holes and may be used within arm's reach. The track system can be integrated into a building management system. Adapters with data bus contacts and SELV safety device ensure compliance with the Safety Extra Low Voltage regulations (SELV according to EN 60950).

The data information can be picked up anywhere along the track via data bus equipped adapters. Beside the DALI protocol the data bus can be used for DMX, 0–10V or KNX protocols.

Adapters without data bus contacts can be also used in tracks with data bus. Data functionality is not available in those cases.

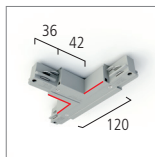
For EUTRAC lighting control: www.eutrac.de

		○	●	◇
1 m	225-10	6	2	3
2 m	225-20	6	2	3
3 m	225-30	6	2	3
4 m	225-40	6	2	3



curved track
available upon request

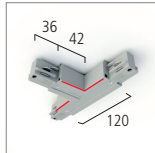
$R \geq 3.0 \text{ m}$



T-coupler
with feeding option
earth inside right

555 1 1212

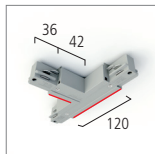
○	●	◇	●
6	2	3	8



T-coupler
with feeding option
earth inside left

555 1 1213

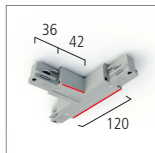
○	●	◇	●
6	2	3	8



T-coupler
with feeding option
earth outside right

555 1 1214

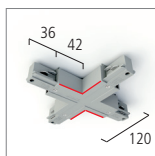
○	●	◇	●
6	2	3	8



T-coupler
with feeding option
earth outside left

555 1 1215

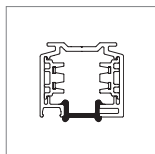
○	●	◇	●
6	2	3	8



X-coupler
with feeding option

555 1 1216

○	●	◇	●
6	2	3	8



Cover
for 3~ track, L = 1 meter
material: PVC

88 888

○	●	◇	●
6	2		

555 2 1212

○	●	◇	●
6	2	3	8

555 2 1213

○	●	◇	●
6	2	3	8

555 2 1214

○	●	◇	●
6	2	3	8

555 2 1215

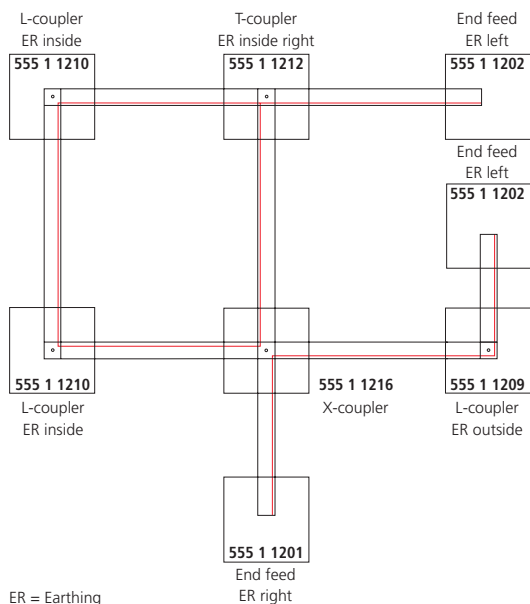
○	●	◇	●
6	2	3	8

555 2 1216

○	●	◇	●
6	2	3	8

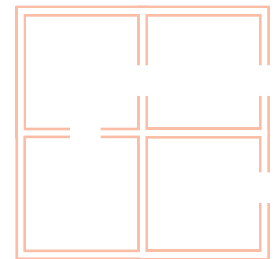
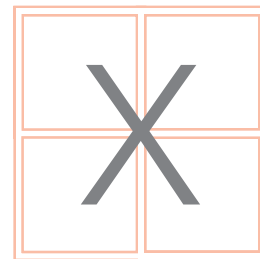
earth run layout help

bird's eye view with the track opening pointed downwards



connection diagram for data bus wiring layout

Attention: no closed circle structure

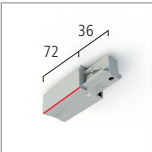
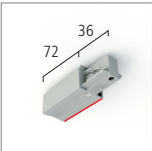
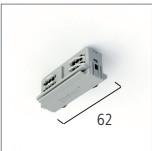
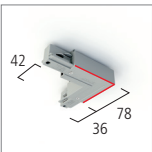
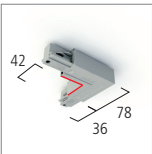
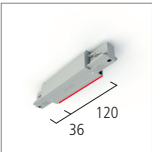
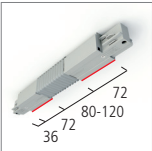
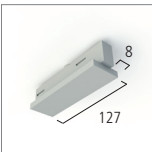


white ○

black ●

silver ◇

grey ●

			○	●	◇	●		○	●	◇	●	
	End feed earth right	555 1 1201	6	2	3	8		555 2 1201	6	2	3	8
	End feed earth left	555 1 1202	6	2	3	8		555 2 1202	6	2	3	8
	End cap	555 0 1217	6	2	3	8		555 0 1217	6	2	3	8
	Straight coupler to join two sections of track electrically. For static reason order mechanical coupler (page 24/25) if suspended via pendant rod or wire	555 1 1206	6	2	3	8		555 2 1206	6	2	3	8
	L-coupler with feeding option earth outside	555 1 1209	6	2	3	8		555 2 1209	6	2	3	8
	L-coupler with feeding option earth inside	555 1 1210	6	2	3	8		555 2 1210	6	2	3	8
	I-coupler with feeding option	555 1 1208	6	2	3	8		555 2 1208	6	2	3	8
	Flex-coupler 30° to 330° with feeding option	555 1 1211	6	2		8		555 2 1211	6	2		8
	Mid feed to be placed anywhere along the track; track cutting not required	555 1 5203	6	2	3			555 2 5203	6	2	3	



Project: Shop Waschsalon in Westerstede, Deutschland,
Product: Alec 10 EM MASTER, **Manufacturer:** Arclite® Lichtvertrieb GmbH,
Photo: Axel Hass

Project: BIURO MARVIPOL, **Interior design:** Ode'Ode home design,
Product: Tracer H, **Manufacturer:** Lira sp. z o.o., **Photo:** Bartosz Misiewicz

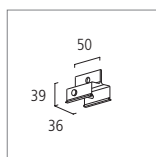
Project: Historical National Museum Kirgistan, Bischkek,
Lighting design: blieske architects lighting designers,
Product: sventies se-11-2 track fixture,
Manufacturer: mawa design Licht- und Wohnideen GmbH,
Photo: Jan Blieske

Project: TUCANO SHOWROOM Milan (Italy), **Arch.:** Roberto Paoli,
Photo: Beppe raso, **Product:** OTO, design Foster & Partners,
Manufacturer: Artemide S.p.A.

Project: Bürokompetenz Heinr. Hünicke, Lübeck, **Product:** Ontero CS 170,
Manufacturer: BÄRO GmbH & Co KG

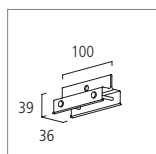




**Fastening clip**

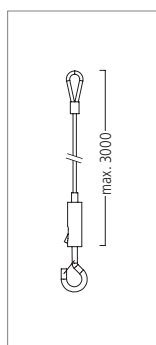
for suspension with fast hanger
98-679-0 or chain
material: galvanized steel

■ 98-697-0

**Mechanical fastening coupler**

for suspension with fast hanger
98-679-0 or chain
material: galvanized steel

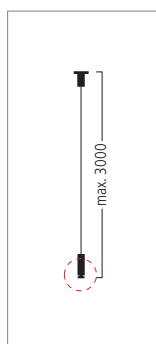
■ 98-672-0

**Steel wire with fast hanger**

for fastening clip
height adjustable

L = 3.0 meter, silver

■ 98-679-0

**Suspension steel wire ECO**

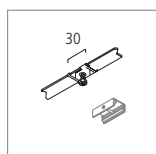
for mounting at pre punched
slotted holes without need of
pendant clips, incl. wire and
ceiling fixing set, nickel plated
height adjustable

L = 1.5 meter

L = 3.0 meter

■ 98-641-0

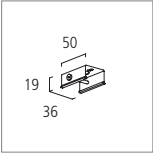
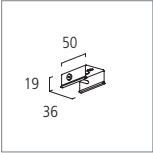
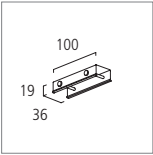
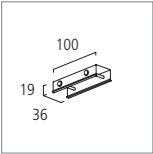
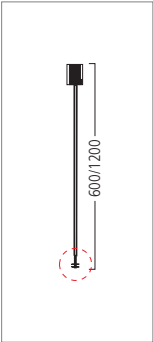
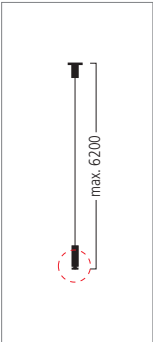
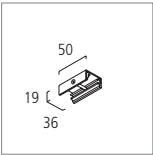
■ 98-643-0

**Fixing clip**

for T-Bar, incl. M6 nut for ceiling
clip 99-018-
material: galvanized steel

■ 88-000-0



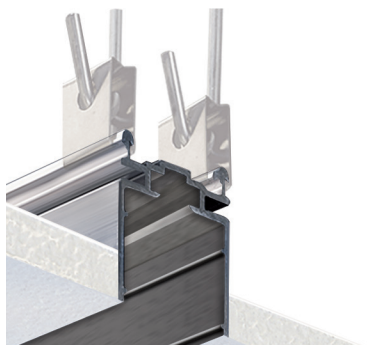
			○	●	◇
	Pendant clip for suspension by steel wire or pendant rod, incl. M13 × 1 nut material: aluminium anodized or powder coated	■ 99-075-	6	2	3
	Pendant clip for suspension by steel wire or pendant rod, incl. M13 × 1 nut material: galvanized steel	■ 98-698-0			
	Mechanical coupler for suspension by steel wire or pendant rod, incl. M13 × 1 nut material: aluminium anodized or powder coated	■ 99-123-	6	2	3
	Mechanical coupler for suspension by steel wire or pendant rod, incl. M13 × 1 nut material: galvanized steel	■ 98-699-0			
	Pendant rod Ø 13 mm, cut to length on site to be used with pendant clip or mechanical coupler L = 0.6 meter L = 1.2 meter	■ 99-905- ■ 99-906-	6 6	2 2	3 3
	Suspension steel wire to be used with pendant clip or mechanical coupler Height adjustable L = 1.5 meter L = 3.0 meter L = 6.2 meter	■ 99-318-0 ■ 99-319-0 ■ 88-620-0			
	Ceiling clip for ceiling mounting to level uneven ceiling, with slotted hole 14 × 7 mm for T-Bar mounting use mounting clip 88-000-0 material: aluminium anodized or powder coated	■ 99-018-	6	2	3



■ ■ ■ ■ ■ **Project:** Museum Peter August Böckstiegel, Werther, **Lighting design:** habermann.decker.architekten PartGmbH, Lemgo,
Product: sventies se-11-4-9016 track fixture, **Manufacturer:** mawa design Licht- und Wohnideen GmbH, **Photo:** Joachim Grothus

3~

Recessed flush mounted profile

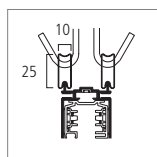
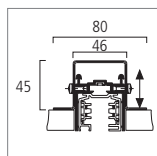
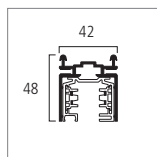


Recessed flush mounted profile

To be used with 3~ surface track for flush mounting in concrete or plaster board ceiling.



Weight per meter:
0.88 kg



Recessed flush mounted profile

for 3~ surface track, incl.
12 slider nuts and two end
cap plates
material: aluminium profile raw
L = 4075 mm

18-400

Mounting brackets

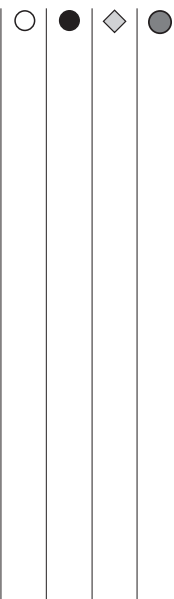
for fixing recessed mounting
profile made of perforated
steel, fixing by self-tapping
screws, adjustment 8–28 mm,
6 pieces per packing unit

99-619-0

Snap hanger

for suspension with fast
fixing devices provided on
site, 6 pieces per packing
unit

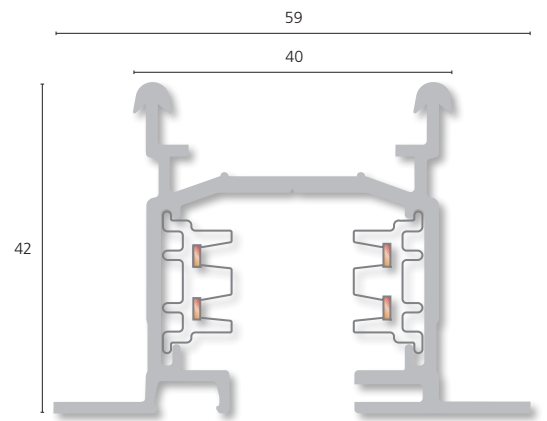
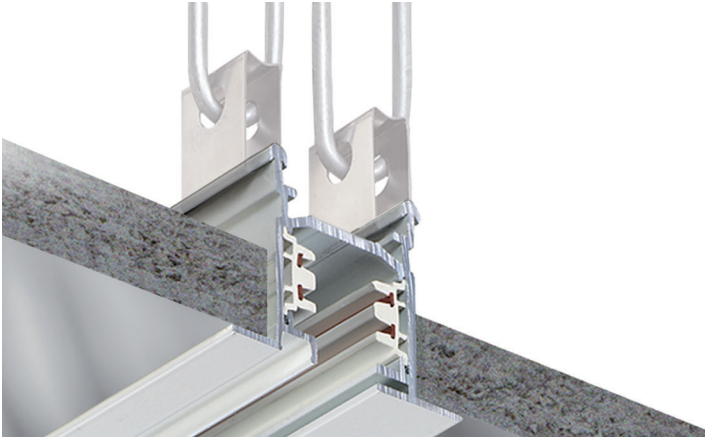
557 0 5321 0



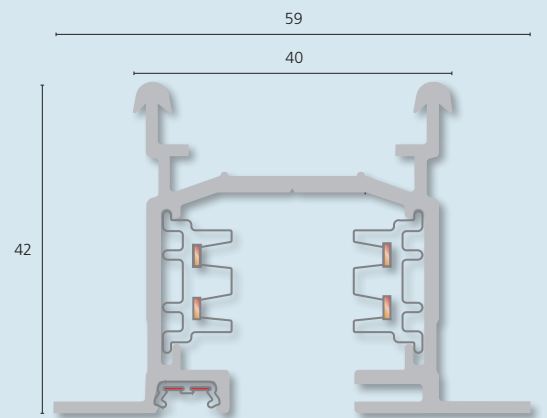
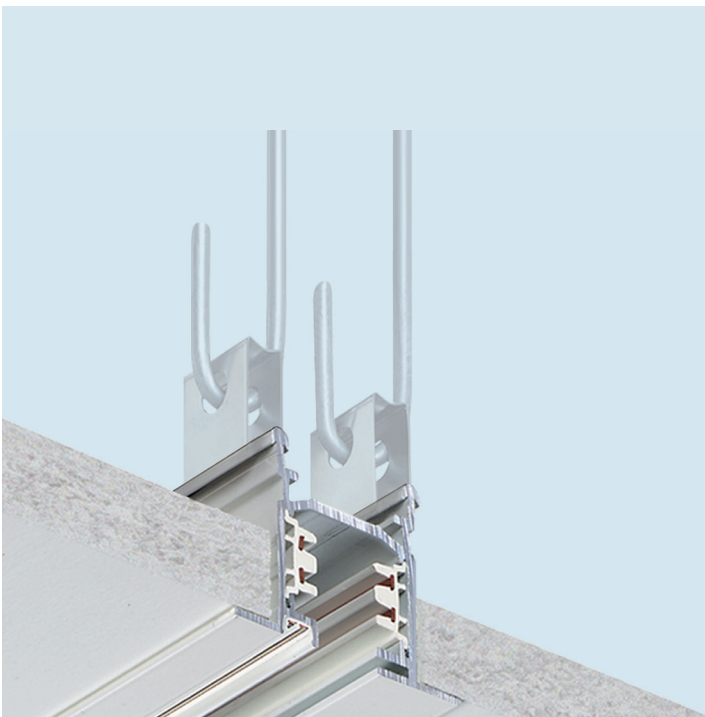
■ ■ ■ ■ Project: Occhio store, München, Product: Più alto² track, Design: Axel Meise, Christoph Kügler, Manufacturer: Occhio GmbH

3~

Recessed track



+ Data bus



Mechanical load:
page 52



Wiring diagram and
information: page 53



Weight per meter:
1.15 kg



Cutting to length possible
on site

5-conductor recessed track for three circuits, consists of an extruded aluminium profile and two PVC supporter profiles, each with two impeded 2.5 mm² cross section copper conductors, for three independent switchable circuits, earthing through the aluminium profile.

Easily field cut able with a standard saw, no cutting back or bending back of conductors necessary. The track may be used within arm's reach. The housing profile offers an easy and flexible suspension solution by using snap hanger (557 0 5321 0).

EUTRAC adapters with data bus contacts can be used in tracks without data bus. Data functionality is not available in those cases.

		○	●
2 m	26-20	6	2
3 m	26-30	6	2
4 m	26-40	6	2

+ Data bus

7-conductor recessed track for three circuits plus data bus, consists of an extruded aluminium profile and two PVC supporter profiles, each with two impeded 2.5 mm² cross section copper conductors, plus one PVC supporter profile with two impeded 1 mm² cross section nickel plated copper conductors, for three independent switchable circuits, earthing through the aluminium profile plus two data conductors.

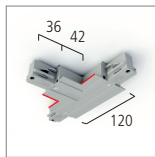
Easily field cut able with a standard saw, no cutting back or bending back of conductors necessary. The track may be used within arm's reach. The housing profile offers an easy and flexible suspension solution using snap hanger (557 0 5321 0). The track system can be integrated into a building management system. Adapter with data bus contacts and SELV safety device ensure compliance with the Safety Extra Low Voltage regulations (SELV according to EN 60950).

The data information can be picked up anywhere along the track via data bus equipped adapters. Beside the DALI protocol the data bus can be used for DMX, 0–10V or KNX protocols.

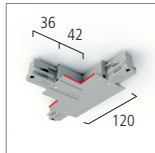
Adapters without data bus contacts can be also used in tracks with data bus. Data functionality is not available in those cases.

For EUTRAC lighting control: www.eutrac.de

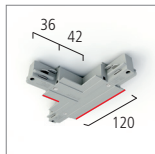
		○	●
2 m	226-20	6	2
3 m	226-30	6	2
4 m	226-40	6	2



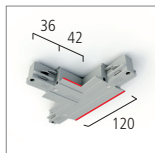
T-coupler
with feeding option
earth inside **right**
ceiling support flange



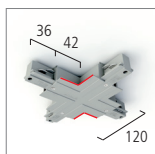
T-coupler
with feeding option
earth inside **left**
ceiling support flange



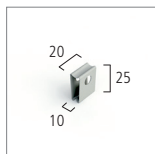
T-coupler
with feeding option
earth outside **right**
ceiling support flange



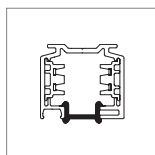
T-coupler
with feeding option
earth outside **left**
ceiling support flange



X-coupler
with feeding option
ceiling support flange



Snap hanger
for suspension with fast fixing
devices provided on site,
6 pieces per packing unit



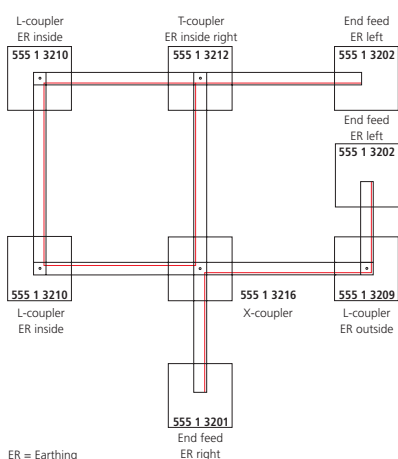
Cover
for 3~ track, L = 1 meter
material: PVC

	○	●
555 1 3212	6	2
555 1 3213	6	2
555 1 3214	6	2
555 1 3215	6	2
555 1 3216	6	2
557 0 5321 0		
88 888	6	2

	○	●
555 2 3212	6	2
555 2 3213	6	2
555 2 3214	6	2
555 2 3215	6	2
555 2 3216	6	2
557 0 5321 0		

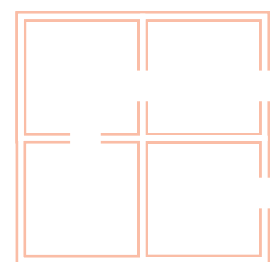
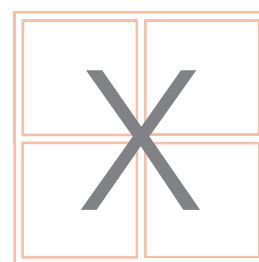
earth run layout help

bird's eye view with the track opening pointed downwards

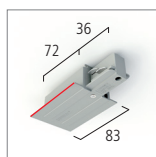


connection diagram for data bus wiring layout

Attention: no closed circle structure



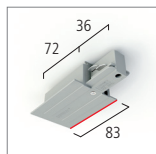
white ○ black ●



End feed
earth right
ceiling support flange

555 1 3201

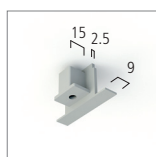
	○	●
6	2	



End feed
earth left
ceiling support flange

555 1 3202

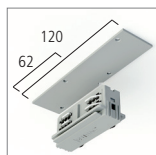
	○	●
6	2	



End cap
ceiling support flange

555 0 3217

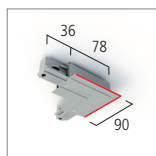
	○	●
6	2	



Electrical and mechanical straight coupler
to join two sections of track electrically and mechanically

555 1 3206

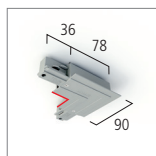
	○	●
6	2	



L-coupler
with feeding option
earth outside
ceiling support flange

555 1 3209

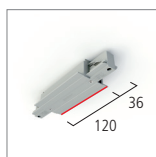
	○	●
6	2	



L-coupler
with feeding option
earth inside
ceiling support flange

555 1 3210

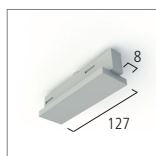
	○	●
6	2	



I-coupler
with feeding option
ceiling support flange

555 1 3208

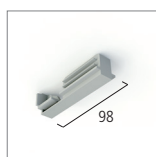
	○	●
6	2	



Mid feed
to be placed anywhere
along the track;
track cutting not required

555 1 5203

	○	●
6	2	



End feed
concealed, flush with profile

555 1 3205

	○	●
6	2	

555 2 3201

	○	●
6	2	

555 2 3202

	○	●
6	2	

555 0 3217

	○	●
6	2	

555 2 3206

	○	●
6	2	

555 2 3209

	○	●
6	2	

555 2 3210

	○	●
6	2	

555 2 3208

	○	●
6	2	

555 2 5203

	○	●
6	2	



Project: Queen's Diamond Jubilee Gallery at Westminster Abbey, **Lighting Design:** DHA Designs,
Product: TTX2.70 and TTX2.70.Mini, **Manufacturer:** Stoane Lighting, **Photo:** Alan Williams

Project: FLAGSHIP STORE MOLTENI & C-DADA, New York (USA), **Lighting design:** Studio Cerri & Associati,
Product: OTO, design Foster & Partners, **Manufacturer:** Artemide, **Photo:** Sebastiano Pellion di Persano

Project: FRANZISKANER BÄCKEREI, Bozen Südtirol, **Lighting design:** AHA 360°, **Product:** EVO 35°,
Manufacturer: AHA 360°, AHA GmbH, **Photo:** AHA 360°

Project: Predikherenklooster Mechelen, Belgium, **Lighting design:** Corona nv, **Product:** sventies se-11-4-customized
track fixture, **Manufacturer:** mawa design Licht- und Wohnideen GmbH, **Photo:** Luuk Kramer

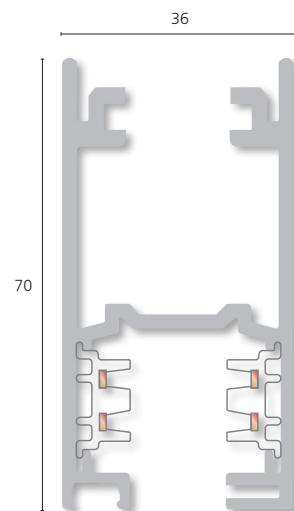
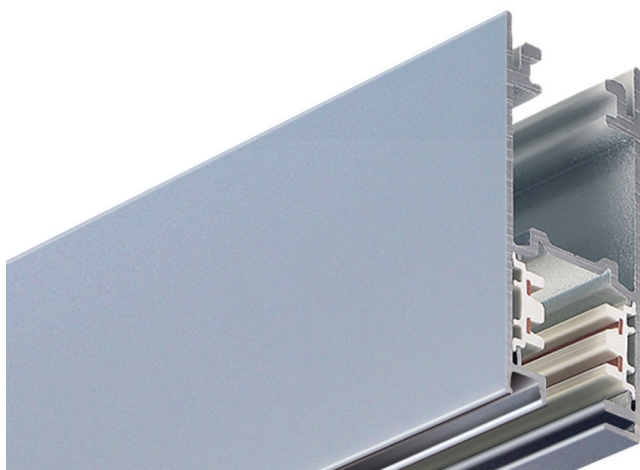
Project: BIURO GUESS – OTOMI STORE DESIGN LAB, **Desing:** OTOMI Store Design Lab, **Product:** Golf 90,
Manufacturer: Lira sp. z o.o., **Photo:** Kinga Knajp



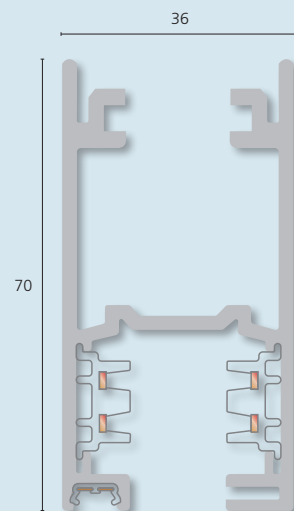
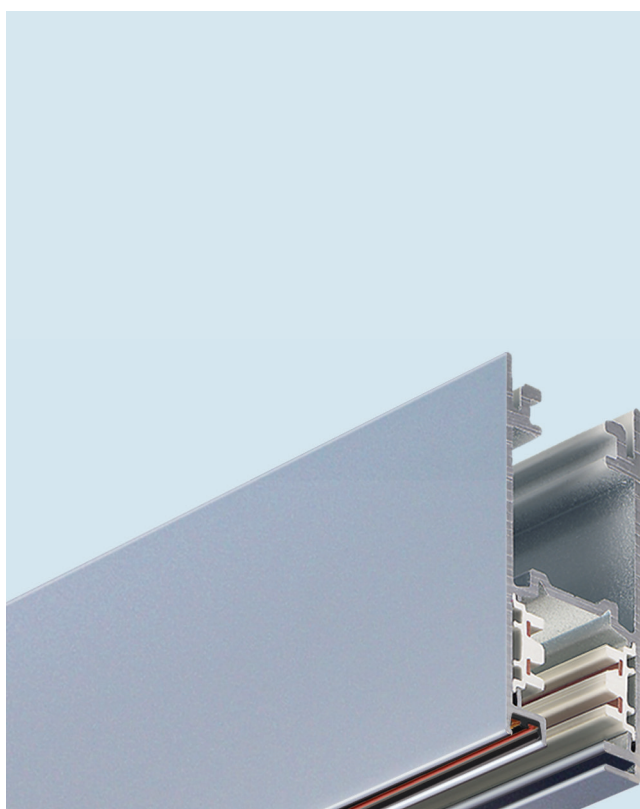


3~

HighTrack



+ Data bus



Mechanical load:
page 52



Wiring diagram and
information: page 53



Suspension components:
page 24/25



Weight per meter:
1.68 kg



Cutting to length possible
on site

5-conductor HighTrack for three circuits and upper compartment for LED fixtures or installation and data wires, consists of an extruded aluminium profile and two PVC supporter profiles, each with two impeded 2.5 mm² cross section copper conductors, for three independent switchable circuits, earthing through the aluminium profile.

Easily field cut able with a standard saw, no cutting back or bending back of conductors necessary. The track may be used within arm's reach.

The 3~ circuit HighTrack is an architectural design element which also allows to bridge long suspension distances. Suspension brackets (2 respectively 3) for pendant rod or steel wire included. For additional brackets part no. 557 0 2417 0

EUTRAC adapters with data bus contacts can be used in HighTrack without data bus. Data functionality is not available in those cases.

		○	●	◇
2 m	19-20	6	2	3
incl. 2 brackets				
3 m	19-30	6	2	3
incl. 3 brackets				
4 m	19-40	6	2	3
incl. 3 brackets				

+ Data bus

7-conductor HighTrack for three circuits plus data bus and upper compartment for LED fixtures or installation and data wires, consists of an extruded aluminium profile and two PVC supporter profiles, each with two impeded 2.5 mm² cross section copper conductors, plus one PVC supporter profile with two impeded 1 mm² cross section nickel plated copper conductors, for three independent switchable circuits, earthing through the aluminium profile plus two data conductors.

Easily field cut able with a standard saw, no cutting back or bending back of conductors necessary. The track may be used within arm's reach. The track system can be integrated into a building management system. Adapters with data bus contacts and SELV safety device ensure compliance with the Safety Extra Low Voltage regulations (SELV according to EN 60950).

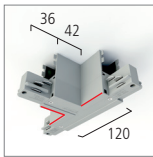
The 3~ circuit HighTrack is an architectural design element which also allows to bridge long suspension distances. Suspension brackets (2 respectively 3) for pendant rod or steel wire included. For additional brackets part no. 557 0 2417 0

The data information can be picked up anywhere along the track via data bus equipped adapters. Beside the DALI protocol the data bus can be used for DMX, 0–10V or KNX protocols.

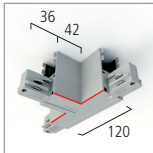
Adapters without data bus contacts can be also used in tracks with data bus. Data functionality is not available in those cases.

For EUTRAC lighting control: www.eutrac.de

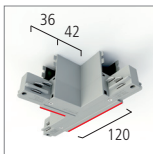
		○	●	◇
2 m	219-20	6	2	3
incl. 2 brackets				
3 m	219-30	6	2	3
incl. 3 brackets				
4 m	219-40	6	2	3
incl. 3 brackets				



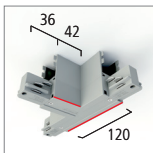
T-coupler
with feeding option
earth inside right



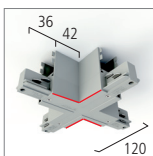
T-coupler
with feeding option
earth inside left



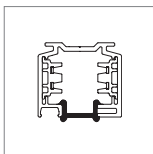
T-coupler
with feeding option
earth outside right



T-coupler
with feeding option
earth outside left



X-coupler
with feeding option



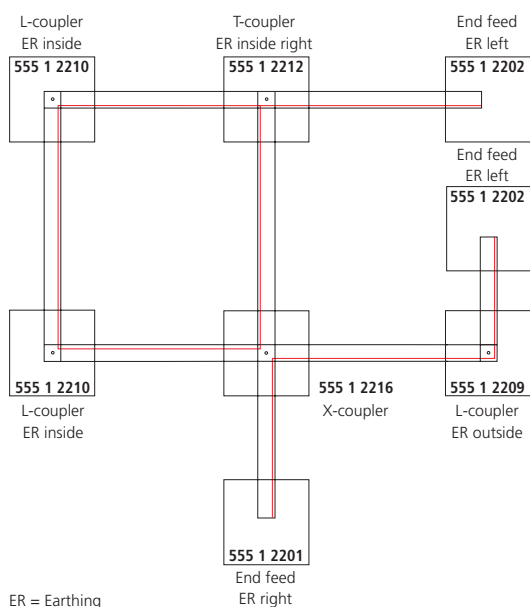
Cover
for 3~ track, L = 1 meter
material: PVC

	○	●	◇
555 1 2212	6	2	3
555 1 2213	6	2	3
555 1 2214	6	2	3
555 1 2215	6	2	3
555 1 2216	6	2	3
88 888	6	2	

	○	●	◇
555 2 2212	6	2	3
555 2 2213	6	2	3
555 2 2214	6	2	3
555 2 2215	6	2	3
555 2 2216	6	2	3

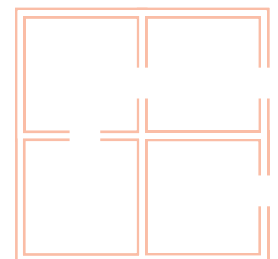
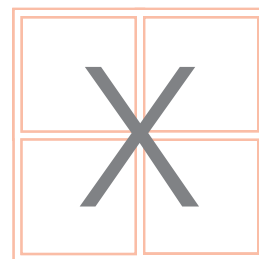
earth run layout help

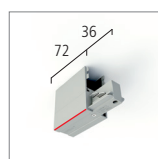
bird's eye view with the track opening pointed downwards



connection diagram for data bus wiring layout

Attention: no closed circle structure

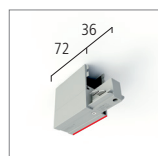




End feed
earth right

555 1 2201

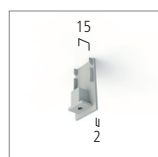
○	●	◇
6	2	3



End feed
earth left

555 1 2202

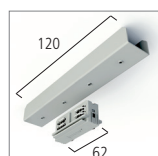
○	●	◇
6	2	3



End cap

555 0 2217

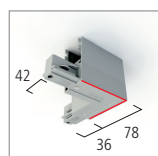
○	●	◇
6	2	3



**Electrical and mechanical
straight coupler**
to join two sections of track
electrically and mechanically

555 1 2206

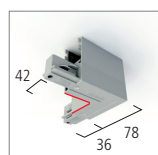
○	●	◇
6	2	3



L-coupler
with feeding option
earth outside

555 1 2209

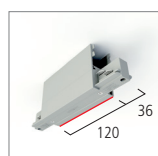
○	●	◇
6	2	3



L-coupler
with feeding option
earth inside

555 1 2210

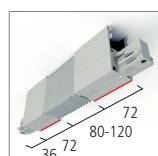
○	●	◇
6	2	3



I-coupler
with feeding option

555 1 2208

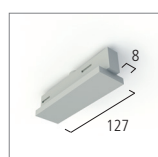
○	●	◇
6	2	3



Flex-coupler
30° to 330°
with feeding option

555 1 2211

○	●	◇
6	2	



Mid feed
to be placed anywhere
along the track;
track cutting not required

555 1 5203

○	●	◇
6	2	3

555 2 2201

○	●	◇
6	2	3

555 2 2202

○	●	◇
6	2	3

555 0 2217

○	●	◇
6	2	3

555 2 2206

○	●	◇
6	2	3

555 2 2209

○	●	◇
6	2	3

555 2 2210

○	●	◇
6	2	3

555 2 2208

○	●	◇
6	2	3

555 2 2211

○	●	◇
6	2	

555 2 5203

○	●	◇
6	2	3



■ ■ ■ ■ ■ **Project:** Museum
Product: Source Four Mini, Desire D22
Manufacturer: Electronic Theatre Controls

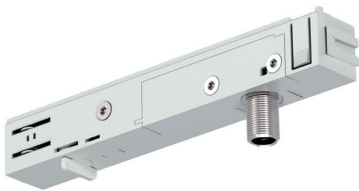


48 V led-trac Adapter
 for LV track system with data bus. Screw less termination, incl. 360° rotation stop
 aluminium die-cast retaining collar with M8×1 or M10×1 outside thread, load up to 3 kg.
 Adapter length: 114 mm

Housing material: self-extinguishing polycarbonate according to class V0.

Adapter incl. retaining collar M8×1
 Adapter incl. retaining collar M10×1

			
556 2 6502	6	2	8
556 2 6503	6	2	8



1~ invi-trac Adapter
 for 1~ circuit track, with data bus contacts. Approved for 3 A inductive/3 A ohmic
 up to 250 V. With earth contact. Maximum load up to 3 kg.
 Adapter length: 130 mm

Housing: self-extinguishing polycarbonate according to class V0.

1~ invi-trac Adapter
 with data bus

			
560 2 6701	6	2	8



Retaining collar
 with male thread
 360° rotation
 material: zinc die cast

for pendant rod M10×1
 for pendant rod M13×1

			
560 0 6610 0			
560 0 6613 0			

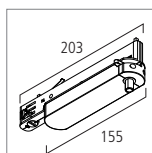
**ElectronicMultiAdapter LED.30 / DALI**

for 3~ circuit track system with integrated LED driver. Extreme small form factor and unobtrusive design will provide entirely new design scope for lighting designers and engineers when developing purist, minimalist LED luminaires.

With DALI LED driver and EUTRAC data track, integration into DALI lighting concept possible

Technical features:

- 198 V–264 V AC, 50–60 Hz
- 30 W with 550, 600, 650, 700 mA/Uout: 25–43 V
- 21 W with 350, 400, 450, 500 mA/Uout: 25–43 V
- Protection class II/IP20
- Lifetime expected up to 100 000 h
- SELV
- ENEC/safety approved
- Ripple acc. IEEE1789-2015 < 1% / SVN < 1%
- DALI Interface

**ElectronicMultiAdapter LED.30**

incl. LED driver
for constant current

350 mA–500 mA

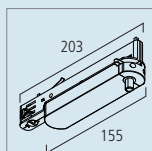
550 mA–700 mA

Accessories: retaining collar page 46

555 1 6401

555 1 6402

○	●	●
6	2	8
6	2	8

+ Data bus**+ Data bus****DALI ElectronicMultiAdapter LED.30**

incl. LED driver and DALI Interface
for constant current

350 mA–500 mA

550 mA–700 mA

Accessories: retaining collar page 46

555 2 6401

555 2 6402

○	●	●
6	2	8
6	2	8

3~

in-line Adapter

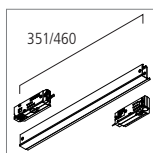
**in-line Adapter**

Space for LED converter hidden in the track system enables a very flat and narrow design of a linear track light fixture. This opens up new and flexible track lighting concepts in which continuous lighting strips scattered by spot lights giving an interesting, good and purposeful illumination. By connecting the in-line adapter to the EUTRAC data bus individual light colors and dim conditions can be set. With the integrated click-fit connection system the installation of linear lights to the track adapter is a very simple and quick way.

For the use in EUTRAC 3~ circuit track, with earthing, circuit selection prior inserting into the track by means of slider and turnkey switch. By turning the locking lever the Adapter is electrically and mechanically secured in the track.

Suitable for EUTRAC 3~ tracks

Housing material: self-extinguishing polycarbonate according to class V0.

**in-line Adapter**

Length 513 mm

in-line Adapter

Length 622 mm

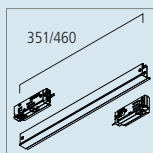
555 1 6701

555 1 6702

	○	●	●
555 1 6701	6	2	8
555 1 6702	6	2	8

+ Data bus

+ Data bus

**BUS in-line Adapter**

Length 513 mm

BUS in-line Adapter

Length 622 mm

555 2 6701

555 2 6702

	○	●	●
555 2 6701	6	2	8
555 2 6702	6	2	8

3~

MultiAdapter with data bus option



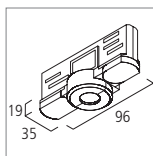
MultiAdapter

for 3~ circuit track, prepared for data bus contacts (data bus contact with SELV safety chip, part no. 99-698-0). Screw termination, approved for 6 A inductive/6 A ohmic up to 250 V. With earth contact, circuit selection by turnkey switch and optional neutral position during operation.

Due to double mechanical locking perfect track fixing even when using heavy spotlights. Maximum load up to 5 kg, or 10 kg when using retaining collar 99-066-.

Suitable for various other 3~ circuit tracks.

Housing: self-extinguishing polycarbonate according to class V0.

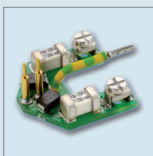


MultiAdapter
with data bus option
accessories:
retaining collar page 47

99-759-

○	●	◇	●
6	2	3	8

+ Data bus



Data bus contact pcb

99-698-0

With SELV-safety chip and gold plated spring contact pins, for use in MultiAdapter 99-759-

For EUTRAC lighting control: www.eutrac.de

+ Data bus

3~

UniCompact Adapter with data bus option



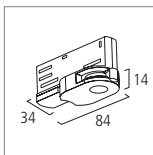
UniCompactAdapter

for 3~ circuit track, prepared for data bus contacts (data bus contact with SELV safety chip, part no. 98-657-0). Screw less termination, approved for 6 A inductive/6 A ohmic up to 250 V. With earth contact, circuit selection by turnkey switch and optional neutral position during operation.

Due to double mechanical locking perfect track fixing even when using heavy spotlights. Maximum load up to 10 kg.

Suitable for various other 3~ circuit tracks.

Housing material: self-extinguishing polycarbonate according to class V0.

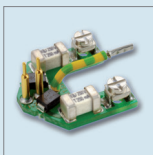


UniCompactAdapter
with data bus option,
accessories:
retaining collar page 46
400 pieces per packing unit

99-129-

○	●	◇	●
6	2		8

+ Data bus



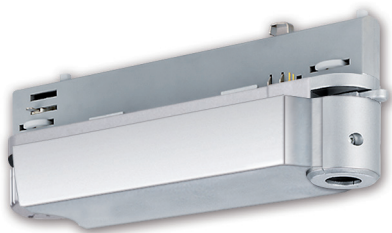
Data bus contact pcb

98-657-0

With SELV-safety chip and gold plated spring contact pins, for use in UniCompactAdapter 99-129-

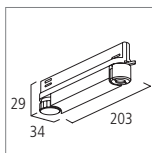
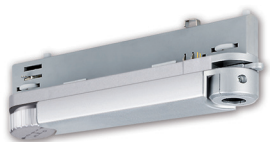
For EUTRAC lighting control: www.eutrac.de

+ Data bus

**MultiCompactAdapter**

for 3~ circuit track, prepared for data bus contacts (data bus contacts with SELV safety chip part no. 99-709-0). Approved for 6 A inductive/6 A ohmic up to 250 V. With earth contact, circuit selection by turnkey switch and optional neutral position during operation. Due to double mechanical locking perfect track fixing even when using heavy spotlights. Maximum load up to 5 kg, or 10 kg when using retaining collar 99-066-. The housing permits electronic ballast for high pressure lamps, fluorescent lamps, low voltage halogen lamps as well as LEDs. In combination with DALI or DMX ballast, data bus contacts and EUTRAC data track high functionality.

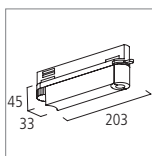
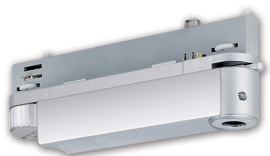
Suitable for various other 3~ circuit tracks. Shipped as two sub assembled parts.
Housing: self-extinguishing polycarbonate according to class V0.

**MultiCompactAdapter XXS****98-666-**

empty housing adapter with data bus option shipped as two sub assembled parts, **maximum housing space for ballasts: $L \times W \times H = 110 \times 28 \times 16$ mm or $100 \times 28 \times 23.5$ mm**

accessories: retaining collar page 47

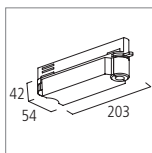
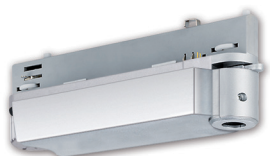
○	●	◇
6	2	3

**MultiCompactAdapter XS****98-721-**

empty housing adapter with data bus option shipped as two sub assembled parts, **maximum housing space for ballasts: $L \times W \times H = 116 \times 26 \times 32$ mm or $97 \times 26 \times 40$ mm**

accessories: retaining collar page 46

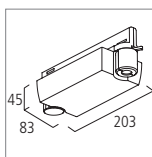
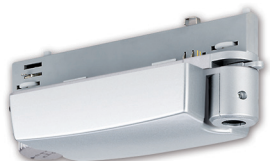
6	2	3
---	---	---

**MultiCompactAdapter M****98-720-**

empty housing adapter with data bus option shipped as two sub assembled parts, **maximum housing space for ballasts: $L \times W \times H = 120 \times 48 \times 25$ mm**

accessories: retaining collar page 47

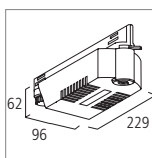
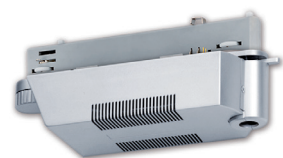
6	2	3
---	---	---

**MultiCompactAdapter L****99-705-**

empty housing adapter with data bus option shipped as two sub assembled parts, **maximum housing space for ballasts: $L \times W \times H = 110 \times 70 \times 29$ mm**

accessories: retaining collar page 47

6	2	3
---	---	---

**MultiPowerAdapter****99-125-**

empty housing adapter with data bus option shipped as two sub assembled parts accessories: **$L \times W \times H = 148 \times 90 \times 40$ mm**

retaining collar page 47

6	2	3
---	---	---

+ Data bus**+ Data bus****Data bus contact pcb****99-709-0**

With SELV-safety chip and gold plated spring contact pins, for use in MultiCompactAdapter

For EUTRAC lighting control: www.eutrac.de

**Retaining collar**

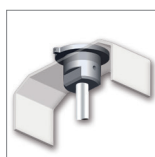
with male thread incl. smart
slider for 360° rotation
material: aluminium die cast
for pendant rod M8 × 1
for pendant rod M10 × 1
for pendant rod M13 × 1

■ 98-554-0
■ 98-550-0
■ 98-551-0

**Retaining collar**

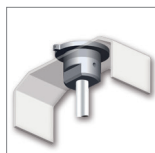
with male thread and outside arrester
incl. smart slider fixed
material: aluminium die cast
for pendant rod M10 × 1
for pendant rod M13 × 1

■ 98-590-0
■ 98-591-0

**Retaining collar**

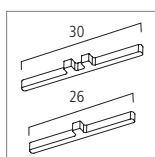
for mounting bracket with male thread
M10 × 1, slot holes 10.2 × 9.2 in
bracket, incl. smart slider for 360° rotation
material: aluminium die cast

■ 98-552- 6 2 3

**Retaining collar**

for mounting bracket with male thread
M13 × 1, slot holes 13.2 × 10.2 in
bracket, incl. smart slider for 360° rotation
material: aluminium die cast

■ 98-553- 6 2 3



Smart slider Fixed
material: brass

98-626-0

Smart slider 360° rotation
material: brass

98-622-0

Retaining collars
on this page
will fit into
the following
adapter



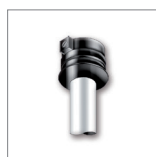
LED 555 × 6401
555 × 6402



99-129-



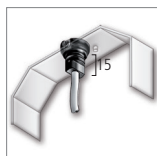
XS 98-721-



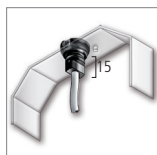
Retaining collar
with female thread
for pendant rod
M8 × 1
M10 × 1
M13 × 1



Retaining collar
with male thread
for pendant rod
M10 × 1
M13 × 1



Retaining collar
for mounting bracket with
male thread M10 × 1,
bracket holes Ø10.5 or 13.5 mm
incl. strain relief



Retaining collar
for mounting bracket with
male thread M13 × 1,
bracket holes Ø13.5 or 16.5 mm
incl. strain relief



Retaining collar
for cable 3 × 0.75 mm²
or DALI cable
incl. strain relief



Retaining collar
for cable 3 × 0.75 mm² or
DALI cable incl. steel wire
L = 1.5 meter for load up to 5 kg,
for pendant light fixture

		○	●	◇	●
■	99-080-	6	2	3	
■	99-084-	6	2	3	8
■	99-085-	6	2	3	
■	557 0 6601	6	2	3	8
■	557 0 6602	6	2	3	8
■	99-086-	6	2	3	
■	99-066-	6	2	3	
■	99-083-	6	2	3	
■	99-292-	6	2	3	

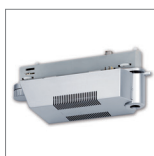
Retaining collars
on this page
will fit into
the following
adapter



99-759-



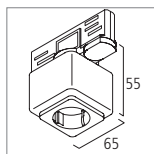
L 99-705-
M 98-720-
XXS 98-666-



99-125-

3~

Socket outlet adapter

**3~ Socket outlet MultiAdapter** ■ 99-095-

for Schuko plug,
protection class I devices and
Europlug class II devices,
for 220–240V with 6.3 A
time-lag fuse

with Switzerland socket outlet ■ 98-650-

suitable for various other
3~ circuit tracks

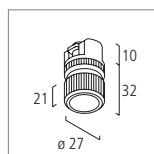
○	●	◇
6	2	
6	2	

3~

Mechanical adapter

**Mechanical universal adapter**

for fixing heavy bracket mounted spots and other fittings. A mechanical safety catch with retaining spring prevents spots from falling down when adapter is unfastened.

**Mechanical universal adapter** ■ 99-099-

for loads up to 10 kg
hole in bracket Ø 16.5 mm
suitable for various other
3~ circuit tracks

**3~ Wire Adapter** ■ 99-787-

for pendant light fixtures
Wire Ø 1.5 mm, L = 1.5 meter
for loads up to 10 kg

**Mechanical Adapter ECO**

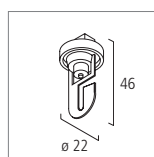
for fixing heavy bracket
mounted spots and
other fittings
for loads up to 5 kg
M10
M13

■ 55505326
■ 55505327

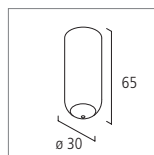
○	●	◇
6	2	
6	2	3
6	2	
6	2	

**Mechanical universal hook**

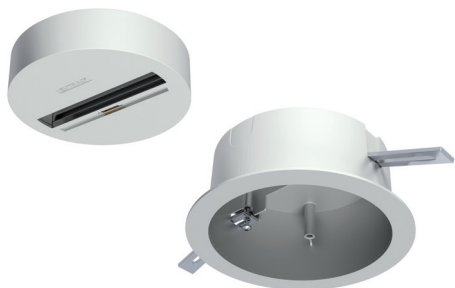
Suspension possibilities for shop and display areas; also suitable for pendant light fixtures, maximum wire cross section 2 mm².

**Mechanical universal hook** ■ 99-067-

for loads up to 10 kg

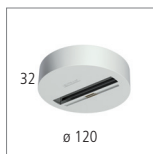
**Cap for universal hook** ■ 99-284-

○	●	◇
6	2	
6	2	3



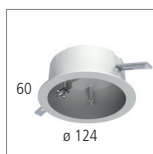
Surface monopoints and recessed housing

For 3~ circuit Adapter, electrical load max. 250V/16 A, with integrated data bus wiring option, Data bus contacts are gold plated



Surface monopoint

with data bus contacts for 3~ MultiAdapter and UniCompactAdapter with or without data bus contacts, as well as for various other 3~ circuit adapters with a maximum length of 95 mm for loads up to 10 kg



Recessed housing

for surface monopoint designed for slab thickness up to 30 mm, minimum installation height 75 mm. Ceiling cut-out Ø 126 mm up to 10 kg loads



Ceiling cut-out
Ø 126 mm

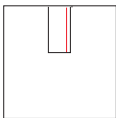
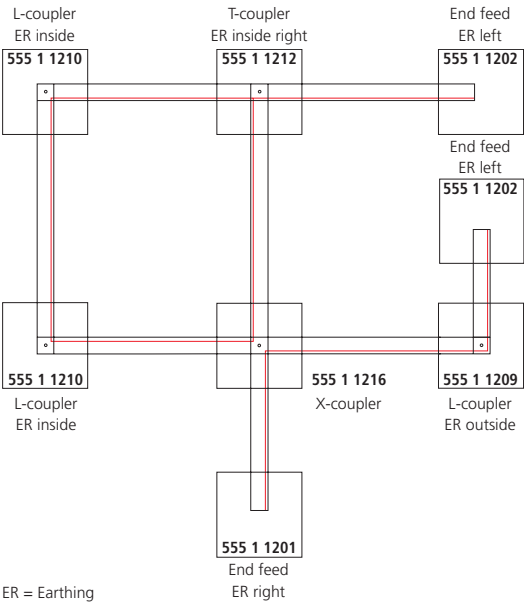
	○	●	◇
555 07228	6	2	3
555 07227	6	2	3

Layout help for continue earthing for 3~ surface track.

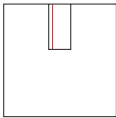
The track offers the earthing along one inner side of the profile. When planing the layout you need to consider earth continuity. The location of the earthing is defined by the view in direction of the track. The layout needs to be looked at true sided from above. Please see sketch below as a layout help. Choose the right end feed and coupling components from the given pictures.

Layout shows 3~ tracks from a bird's eye view with the track opening pointed downwards.

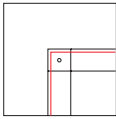
3~ surface track



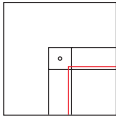
End feed
earth right
555 1 1201



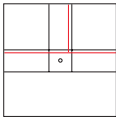
End feed
earth left
555 1 1202



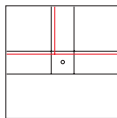
L-coupler
earth outside
555 1 1209



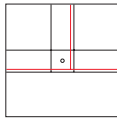
L-coupler
earth inside
555 1 1210



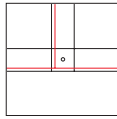
T-coupler
earth inside right
555 1 1212



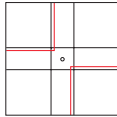
T-coupler
earth inside left
555 1 1213



T-coupler
earth outside right
555 1 1214

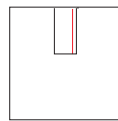
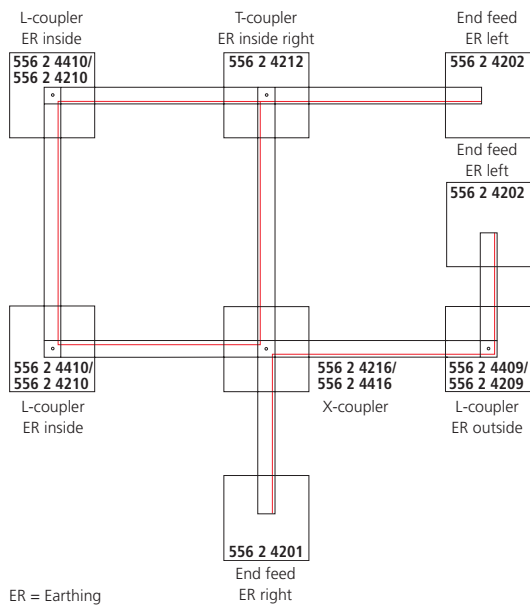


T-coupler
earth outside left
555 1 1215

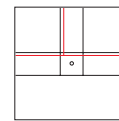


X-coupler
555 1 1216

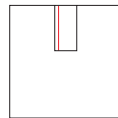
48 V led-trac



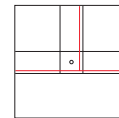
End feed
earth right
556 2 4201



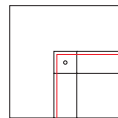
T-coupler
earth inside left
556 2 4213



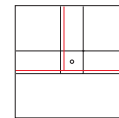
End feed
earth left
556 2 4202



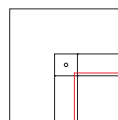
T-coupler
earth outside right
556 2 4214



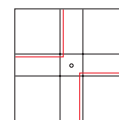
L-coupler
earth outside
556 2 4409/
556 2 4209



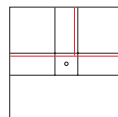
T-coupler
earth outside left
556 2 4215



L-coupler
earth inside
556 2 4410/
556 2 4210

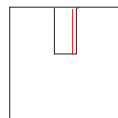
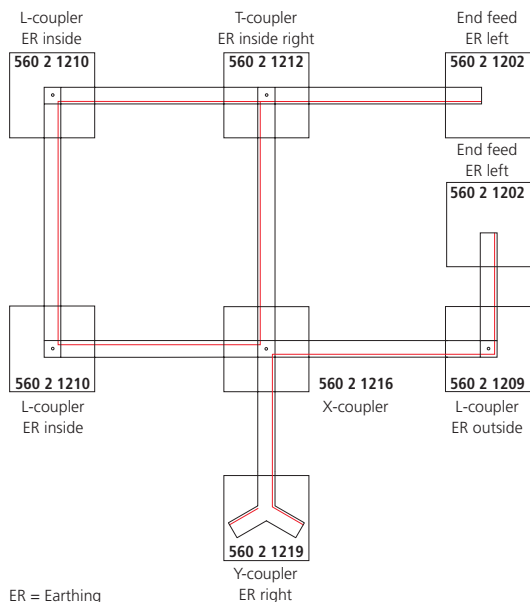


X-coupler
556 2 4216/
556 2 4416

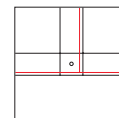


T-coupler
earth inside right
556 2 4212

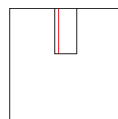
1~ surface track



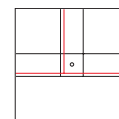
End feed
earth right
560 2 1201



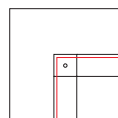
T-coupler
earth outside right
560 2 1214



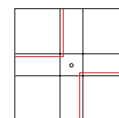
End feed
earth left
560 2 1202



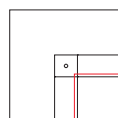
T-coupler
earth outside left
560 2 1215



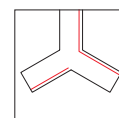
L-coupler
earth outside
560 2 1209



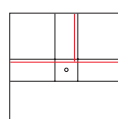
X-coupler
560 2 1216



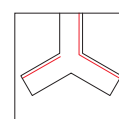
L-coupler
earth inside
560 2 1210



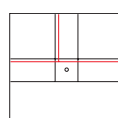
Y-coupler
earth left
560 2 1218



T-coupler
earth inside right
560 2 1212



Y-coupler
earth right
560 2 1219

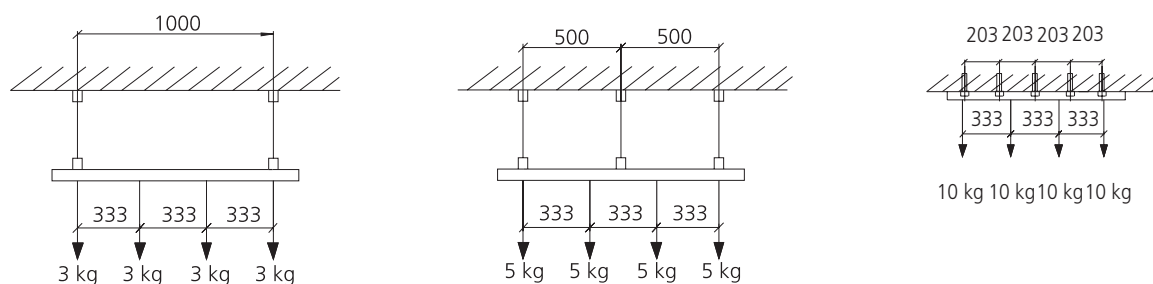


T-coupler
earth inside left
560 2 1213

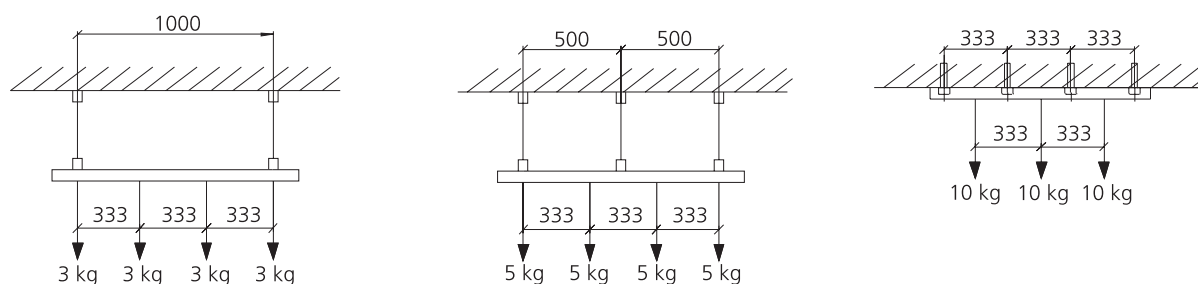
Mechanical load

Drawings below show the possible maximum load of spot lights and other devices on the 1~ and 3~ track accordingly to their mounting or suspension points. The track weight is already taken into consideration.

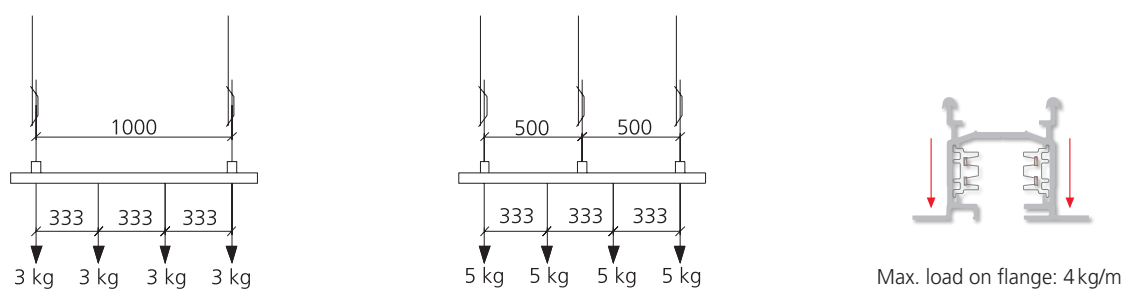
Surface track 235-.../238-...



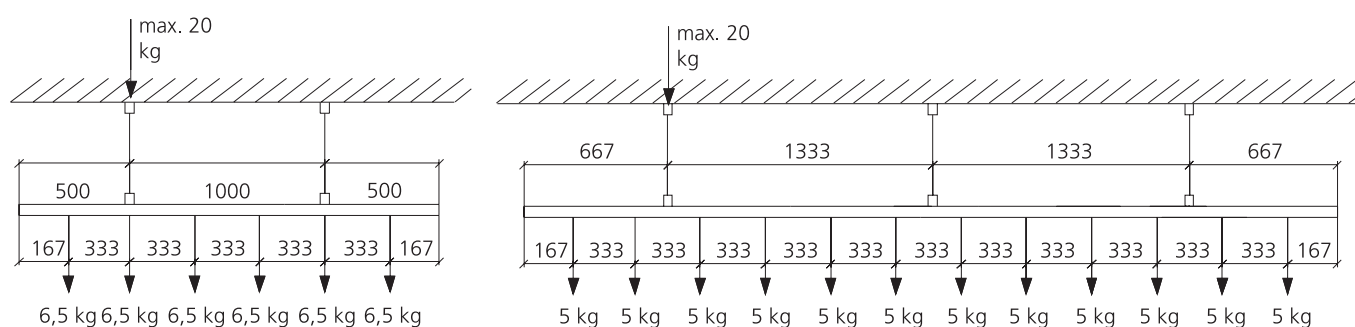
Surface track 25-.../ 225-...



Recessed track 26-.../226-...



HighTrack 19-.../ 219-...



Important safety notes / electrical connection / wiring diagram

Important safety notes!

Please consider all safety notes from the technical manual. Keep them carefully in case you will extend or change the installation. The technical manual is also available from our web page www.eutrac.de

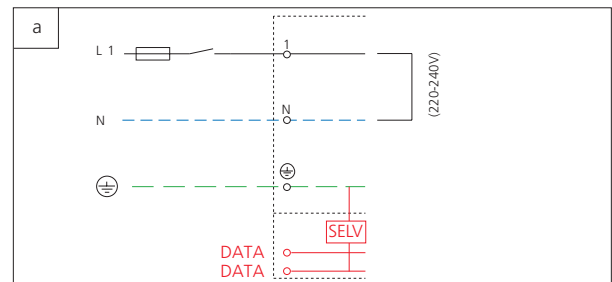
Lighting tracks are for indoor use only (IP20, 45 °C max.), do not use in damp or wet locations.

1~ track wiring diagram

- a) Connection to AC 230 V (220–240 V)
maximum load: 3 600 W (3 500–3 800 W)

fuse
power supply cable
power supply cable

1 × 16 A
min. 3 × 1.5 mm²
min. 3 × 2.5 mm²

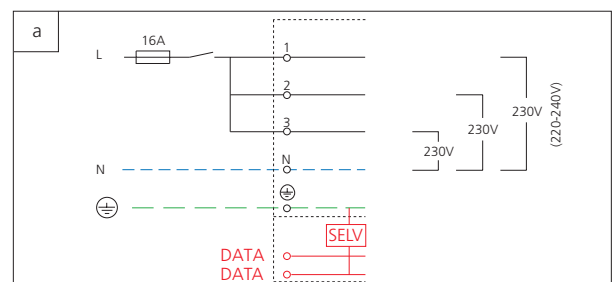


3~ track wiring diagram

- a) Connection to AC 230 V (220–240 V)
maximum load: 3 600 W (3 500–3 800 W)
Total load can spread on any circuit

fuse
power supply cable
power supply cable

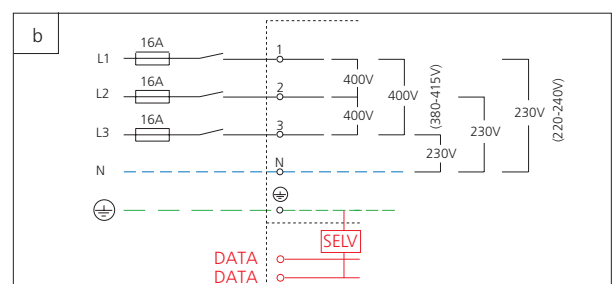
1 × 16 A
min. 3 × 1.5 mm²
min. 3 × 2.5 mm²



- b) Connection to AC 400 V (380–410 V)
maximum load: 3 × 3 600 W = 10 800 W (11 400 W)
Single fuse for each circuit, look for even spread L₁, L₂, L₃ of total load

fuse
power supply cable
power supply cable

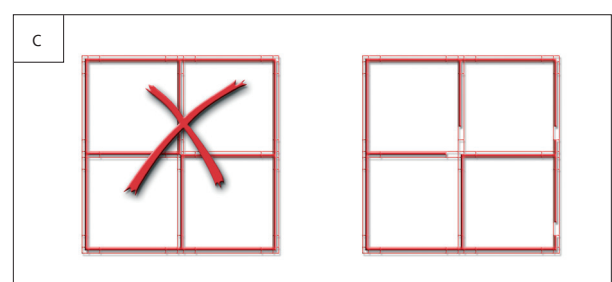
3 × 16 A
min. 5 × 1.5 mm²
min. 5 × 2.5 mm²



Load at end feed: All end feeds can be loaded as shown under a) or b)

Connection diagram for data bus wiring

Attention: no closed circle structure otherwise data bus functionality will be not given.



Trademarks and patents

EUTRAC®

EUTRAC|DALI
the intelligent track™

Are registered trademarks of EUTRAC Stromschienen GmbH.

The **EUTRAC lighting track with data bus** is patented.

DALI: "Digital Addressable Lighting Interface" is the standard protocol for the lighting industry. It can be easily set up and installed by the electrician. There are 64 devices available per line.

DALI System installation

Maximum of devices

The quantity of devices connected to a DALI line is restricted by 64 DALI addresses and a current consumption of max 200 mA in total.

Advice

Please note by many DALI participants the DALI reaction time may be slowed down due to the data traffic on the bus.

Wiring

The signal transmission in a DALI system is carried out by a two core leads. The cable isolation of the signal leads must be the same as for mains voltage cable, as DALI is a non SELV system. The conductor cross section (Cu) should be a minimum of 1.5 mm². The signal conductors could be part of e.g. 5-core NYM mains cable; three cores are used for the mains voltage supply (L, N, PE) and the left two for the DALI signal. Do not use signal leads dimensioned for extra low voltage e.g. I-Y(St)Y or similar, since the DALI components are not according to the requirements for safety extra low voltage (SELV). By disregarding safety instructions live parts can be touched due to defects which can result in life danger.

Cable length

The total cable length between the last DALI participant and the NetComposer should not exceed 300 meter (approx. 1000 ft) including the cable length to feed the track. The total length of data bus track wiring should not exceed 150 meter.

Connect devices

Most DALI devices can be connected at any polarity. In case you have to connect polarity dependant DALI devices (recognizable e.g. by the terminal marks "+" and "-"), you must always connect the conductors in the same polarity.

Regulations

All lighting tracks and components are CE conform, comply to relevant standards and regulations and designed according to the ENEC standards. All electronic parts are EMC tested. The data bus track system complies with and is tested against DIN EN 60570 for 250V/16A standard and may be used in arm's reach. In conjunction with SELV- (Safety Extra Low Voltage against EN 60950) safety data bus contacts all commodities DALI ballasts can be used with the EUTRAC|DALI data bus track system.

Conformity declaration

EUTRAC Stromschienen GmbH herewith declares that all components of the lighting track system comply with the following European standards:

Low Voltage regulation 73/23/EWG
EMC regulation 89/336/EWG
EN 60598
EN 60570

DMX512/RDM: "Digital multiplex Signal" is the standard protocol used in the stage lighting industry. It is characterized by rugged wiring and fast and safe data transfer. There are 512 channels available per line.

DMX System installation

Maximum participants

A DMX system (also named DMX "universe") operates with 512 addresses or channels. This ends up in a maximum of 32 devices. If more devices are used then the use of a galvanic separated DMX repeater is needed. By a star-shaped installation a galvanic separated DMX splitter is needed.

Wiring

DMX requires the use of twisted shielded two-wire cable with a characteristic impedance of 110 Ohm. The shield has to be connected to DMX GND. The wiring system needs to be closed at each end by a 120 Ohm-resistor. The NetComposer has a resistor already built in.

Cable length

Lighting track system with data bus could be used for DMX operation up to max. 50 meter length. The track should be operated as a isolated galvanic universe. In this case the DMX GND will not be used. Only SELV devices should be used on the track system
Caution! DMX GND shall not be connected to the PE connection of the housing device or of a 230V mains connection cable.

Connect devices

The data transmission in a DMX system is polarity dependant. Pay attention during installation and use a DMX cable tester to check the polarity.

Test certification marks  

Trademarks

 **DMX** 

Index

Item	Page	Item	Page	Item	Page	Item	Page
18-400	27	555 1 6402 .	42	556 2 4201 .	11	98-591-0	46
19-...	35	555 1 6701 .	43	556 2 4202 .	11	98-622-0	46
219-...	35	555 1 6702 .	43	556 2 4206 .	11	98-626-0	46
225-...	19	555 2 1201 .	21	556 2 4208 .	10	98-641-0	24
226-...	29	555 2 1202 .	21	556 2 4209 .	10	98-643-0	24
25-...	19	555 2 1206 .	21	556 2 4210 .	10	98-650-.	48
26-...	29	555 2 1208 .	21	556 2 4212 .	10	98-657-0	44
555 0 1217 .	21	555 2 1209 .	21	556 2 4213 .	10	98-666-.	45
555 0 2217 .	37	555 2 1210 .	21	556 2 4214 .	10	98-672-0	24
555 0 3217 .	33	555 2 1211 .	21	556 2 4215 .	10	98-679-0	24
555 0 5326 .	48	555 2 1212 .	20	556 2 4216 .	10	98-697-0	24
555 0 5327 .	48	555 2 1213 .	20	556 2 4409 .	11	98-698-0	25
555 0 7227 .	49	555 2 1214 .	20	556 2 4410 .	11	98-699-0	25
555 0 7228 .	49	555 2 1215 .	20	556 2 4416 .	11	98-720-.	45
555 1 1201 .	21	555 2 1216 .	20	556 2 6502 .	39	98-721-.	45
555 1 1202 .	21	555 2 2201 .	37	556 2 6503 .	39	99-018-.	25
555 1 1206 .	21	555 2 2202 .	37	557 0 1200 .	9, 13	99-066-.	47
555 1 1208 .	21	555 2 2206 .	37	557 0 2417 0	35	99-067-.	48
555 1 1209 .	21	555 2 2208 .	37	557 0 5321 0	8, 27, 32	99-075-.	25
555 1 1210 .	21	555 2 2209 .	37	557 0 6601 .	47	99-080-.	47
555 1 1211 .	21	555 2 2210 .	37	557 0 6602 .	47	99-083-.	47
555 1 1212 .	20	555 2 2211 .	37	560 0 1217 .	15	99-084-.	47
555 1 1213 .	20	555 2 2212 .	36	560 0 6610 0	39	99-085-.	47
555 1 1214 .	20	555 2 2213 .	36	560 0 6613 0	39	99-086-.	47
555 1 1215 .	20	555 2 2214 .	36	560 2 1101 .	13	99-095-.	48
555 1 1216 .	20	555 2 2215 .	36	560 2 1102 .	13	99-099-.	48
555 1 2201 .	37	555 2 2216 .	36	560 2 1103 .	13	99-123-.	25
555 1 2202 .	37	555 2 3201 .	33	560 2 1104 .	13	99-125-.	45
555 1 2206 .	37	555 2 3202 .	33	560 2 1201 .	15	99-129-.	44
555 1 2208 .	37	555 2 3206 .	33	560 2 1202 .	15	99-284-.	48
555 1 2209 .	37	555 2 3208 .	33	560 2 1206 .	15	99-292-.	47
555 1 2210 .	37	555 2 3209 .	33	560 2 1208 .	14	99-318-0	25
555 1 2211 .	37	555 2 3210 .	33	560 2 1209 .	15	99-319-0	25
555 1 2212 .	36	555 2 3212 .	32	560 2 1210 .	15	99-619-0	8, 27, 32
555 1 2213 .	36	555 2 3213 .	32	560 2 1211 .	15	99-619-0	27
555 1 2214 .	36	555 2 3214 .	32	560 2 1212 .	14	99-698-0	44
555 1 2215 .	36	555 2 3215 .	32	560 2 1213 .	14	99-705-.	45
555 1 2216 .	36	555 2 3216 .	32	560 2 1214 .	14	99-709-0	45
555 1 3201 .	33	555 2 5203 .	21, 33, 37	560 2 1215 .	14	99-759-.	44
555 1 3202 .	33	555 2 6401 .	42	560 2 1216 .	14	99-787-.	48
555 1 3205 .	33	555 2 6402 .	42	560 2 1218 .	15	99-905-.	25
555 1 3206 .	33	555 2 6701 .	43	560 2 1219 .	15	99-906-.	25
555 1 3208 .	33	555 2 6702 .	43	560 2 6701 .	39		
555 1 3209 .	33	556 0 1301 0	9	88 888 .	20, 32, 36		
555 1 3210 .	33	556 0 1302 0	9	88-000-0	24		
555 1 3212 .	32	556 0 4117 .	11	88-620-0	25		
555 1 3213 .	32	556 0 4303 0	8	98-550-0	46		
555 1 3214 .	32	556 0 4304 .	8	98-551-0	46		
555 1 3215 .	32	556 0 4305 .	8	98-552-.	46		
555 1 3216 .	32	556 0 4306 0	8	98-553-.	46		
555 1 5203 .	21, 33, 37	556 2 4102 .	9, 13	98-554-0	46		
555 1 6401 .	42	556 2 4103 .	9, 13	98-590-0	46		

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