

lightlight 12 V

price list 2024

b

lightlight - the classic - systems for designing light for spaces

This booklet contains a complete overview of the LightLight range. LightLight provides a variety of lighting systems for architectural spaces - in the property sector or in high-quality private residences.

Designed by Prof. Hans Buschfeld in 1989, today the slimline 12 volt track system can be found in applications all over the world. On the following pages you will find all the relevant data you need for developing and installing your design, plus pricing information.

As of 2018, the Buschfeld range now includes the 48 volt Sense System.

A new product family that shows what light can do tomorrow: lighting that can be controlled digitally to respond to individual needs and wishes.

Based on the design of the LightLight components, a number of new features have been developed and specific details enhanced. All power feeds and connecting components can basically be used for both the LightLight and the Sense System.

A separate price list is available for the 48V Sense System, the three-dimensional Freestyler track structures and the digital luminaires.

note on the price list

All prices are recommended sales prices + VAT.
Dimensions are quoted in millimetres, unless otherwise stated.

Project document and Questionnaire

Utilize our project sheet for your inquiries.
Many points for a comprehensive offer are covered here. You can also use the form if you want to protect a project.

The project document & questionnaire can be found in this PDF.

Support & Service

If you need assistance with planning, send us an email or visit our website.

Write us an email.

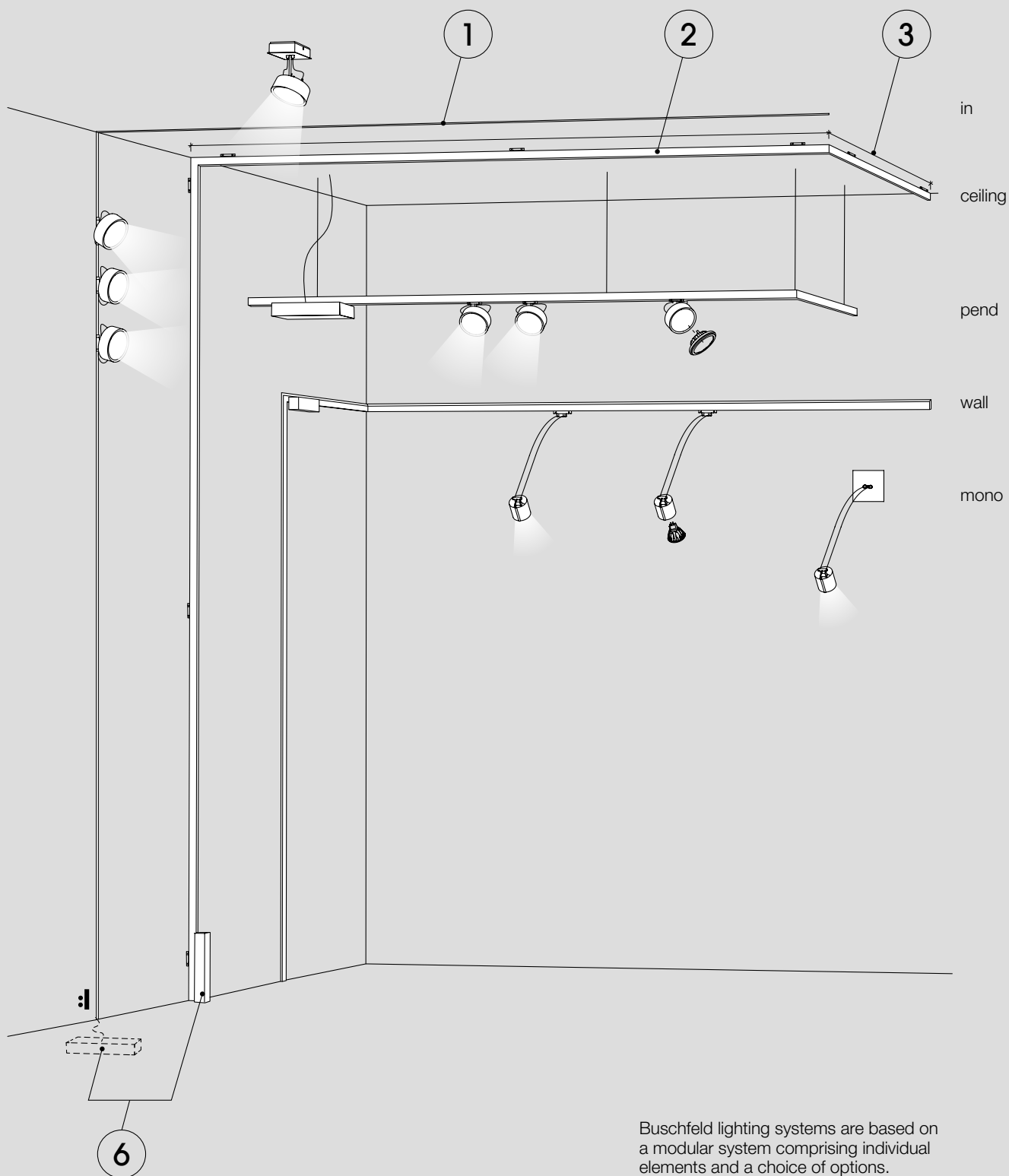
www.buschfeld.de/en

lightlight

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lightlight

design process and how to order

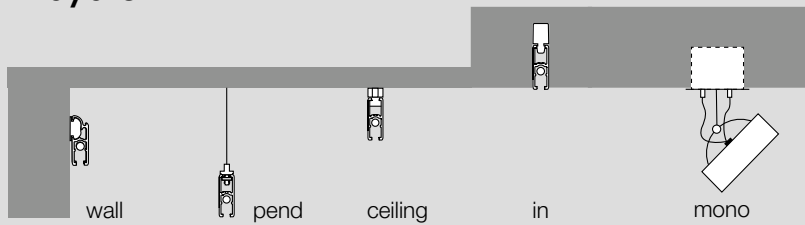


Buschfeld lighting systems are based on a modular system comprising individual elements and a choice of options. Which means you can design your lighting to suit individual requirements. Which and how many elements are required, and how and where are they to be applied?

The following seven points have been compiled to assist you with your planning.

<https://buschfeld.de/en/how-it-works/12101>

1 system



Is the track system to be mounted on the wall or ceiling? Or is the system to be pendant-mounted? First decide which of the four LightLight track systems would best serve your purpose: Wall, Pend, Ceiling, In, or a Mono individual luminaire.

2 colour



alumatt



white



black

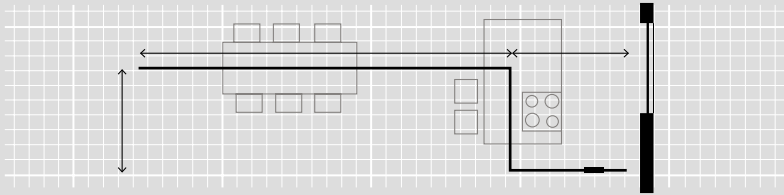


bronze

The finishes/colours available are marked in the product list as shown.

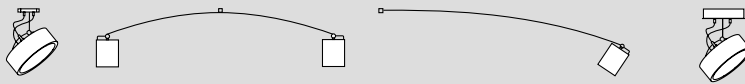
Custom colours available on request.
page 90

3 track layout



Make a rough sketch of how the track system is to run through the space (e.g. plan view) and note down the dimensions. Then select the sections of track, and the connectors and power feeds required. Mark in where the power supply is likely to be.

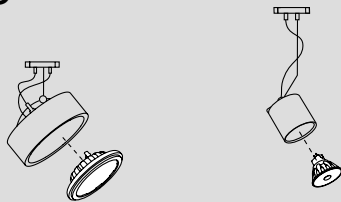
4 design of luminaires



A wide variety of luminaires are available for every track system. Individual luminaires (Mono) are contained within the respective product range.

page 39 ff.

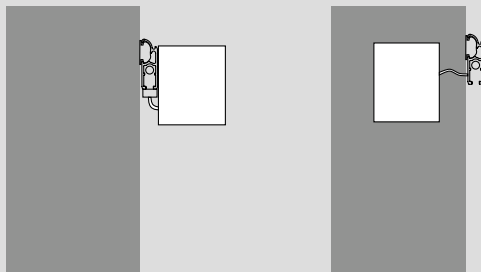
5 light sources



The design scope is further expanded given the choice of up to three shades/canopies available. The shades determine which light source is applicable. LightLight luminaires are replaceable Retrofit LEDs. Potential wattages and beam angles can be found on the following pages.

page 61 ff.

6 power supply units



You can select between control gear in a design housing for visible mounting, or control gear for concealed mounting.

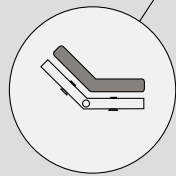
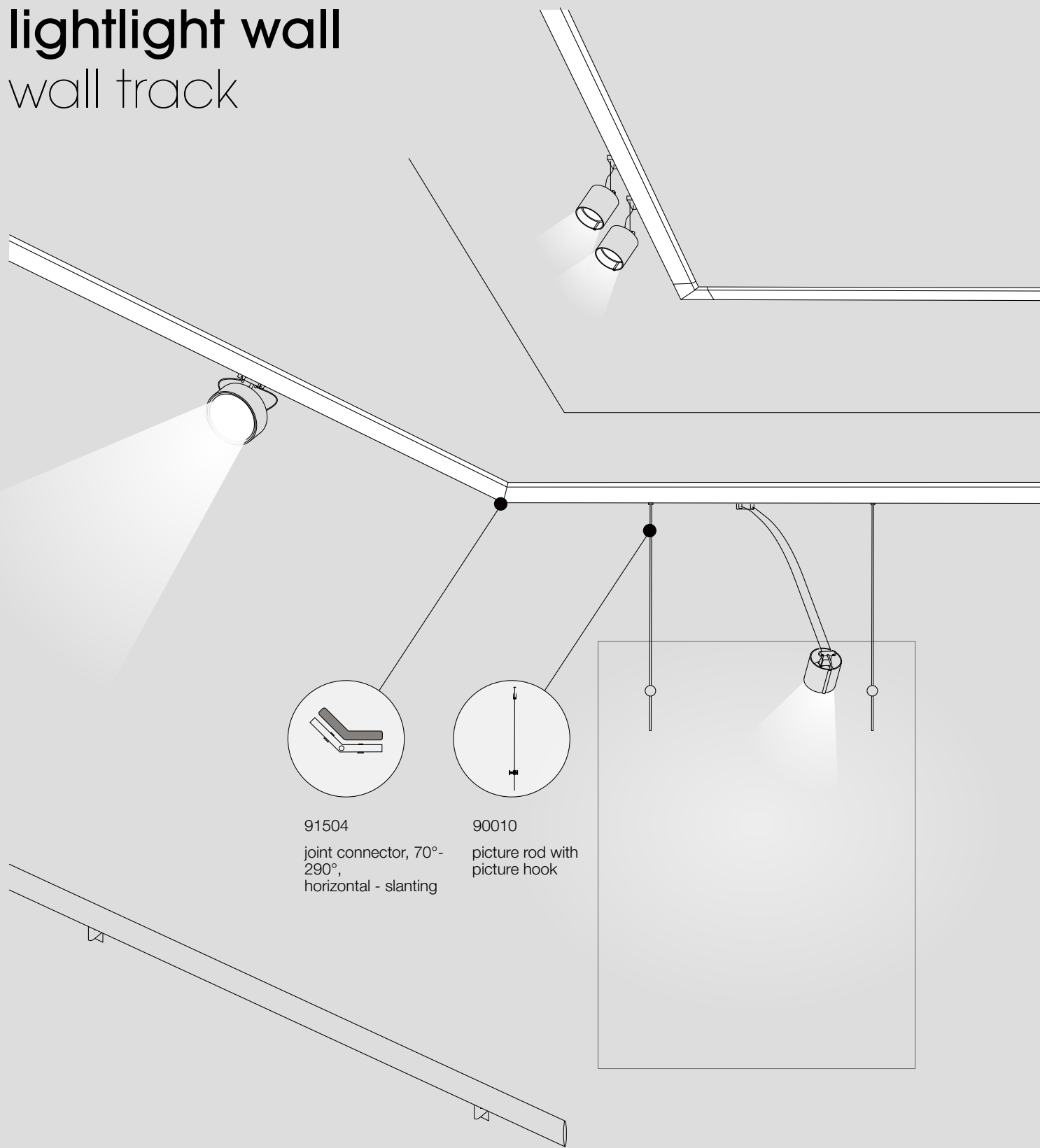
The sum of the total wattage plus the length of the track serve as a basis for the choice of control gear. Please refer to the recommendations listed in the tables.

page 75 ff.

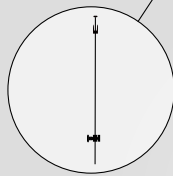
7 All prices are recommended sales prices + VAT.

Dimensions are quoted in millimetres, unless otherwise stated.

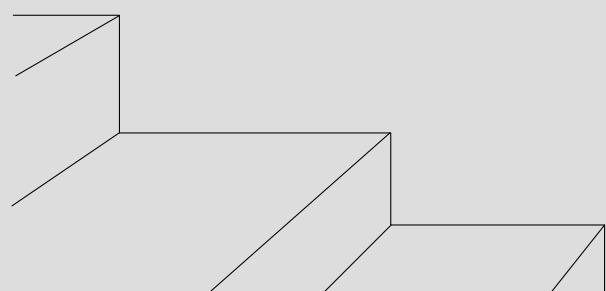
lightlight wall wall track

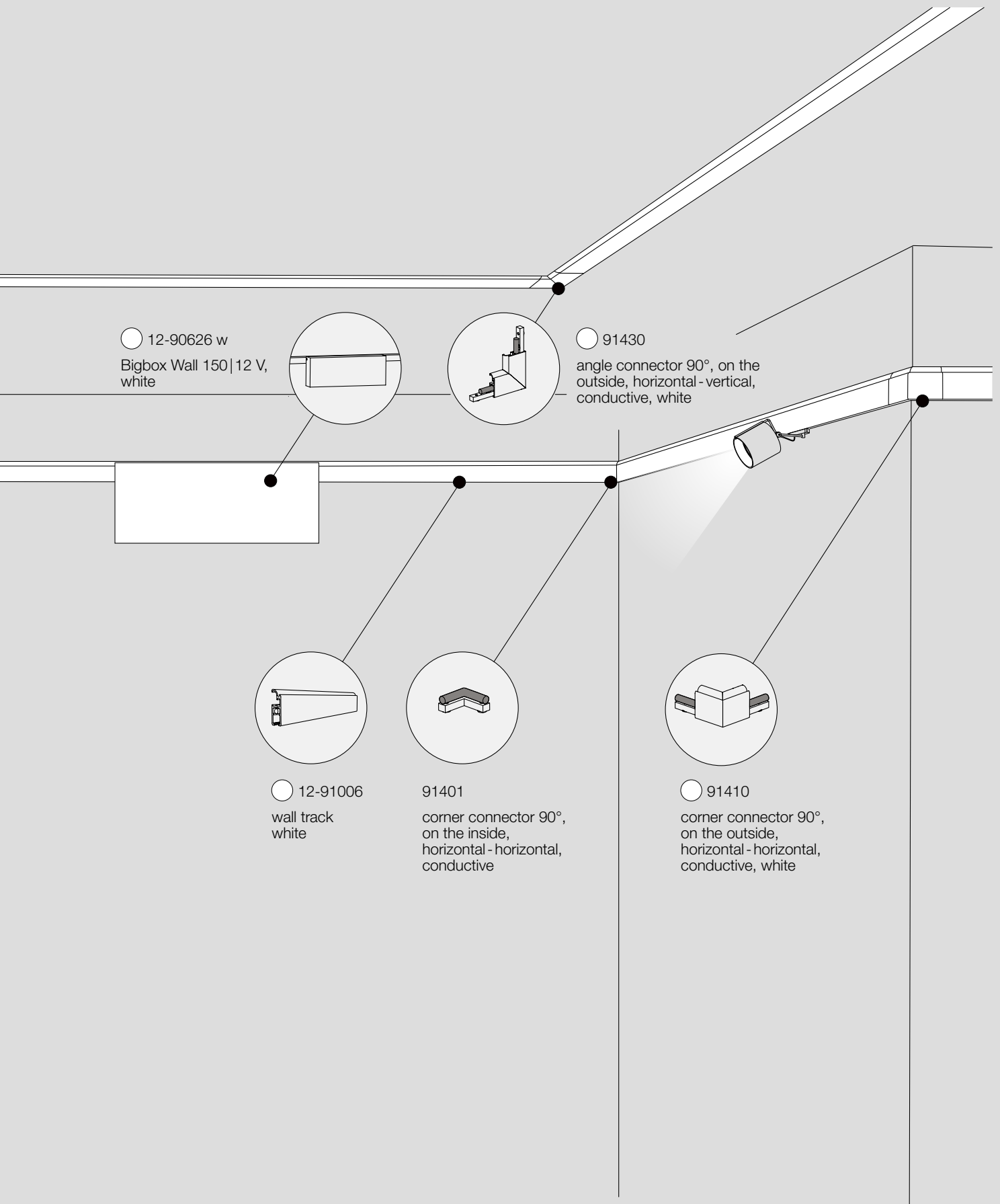


91504
joint connector, 70°-
290°,
horizontal - slanting

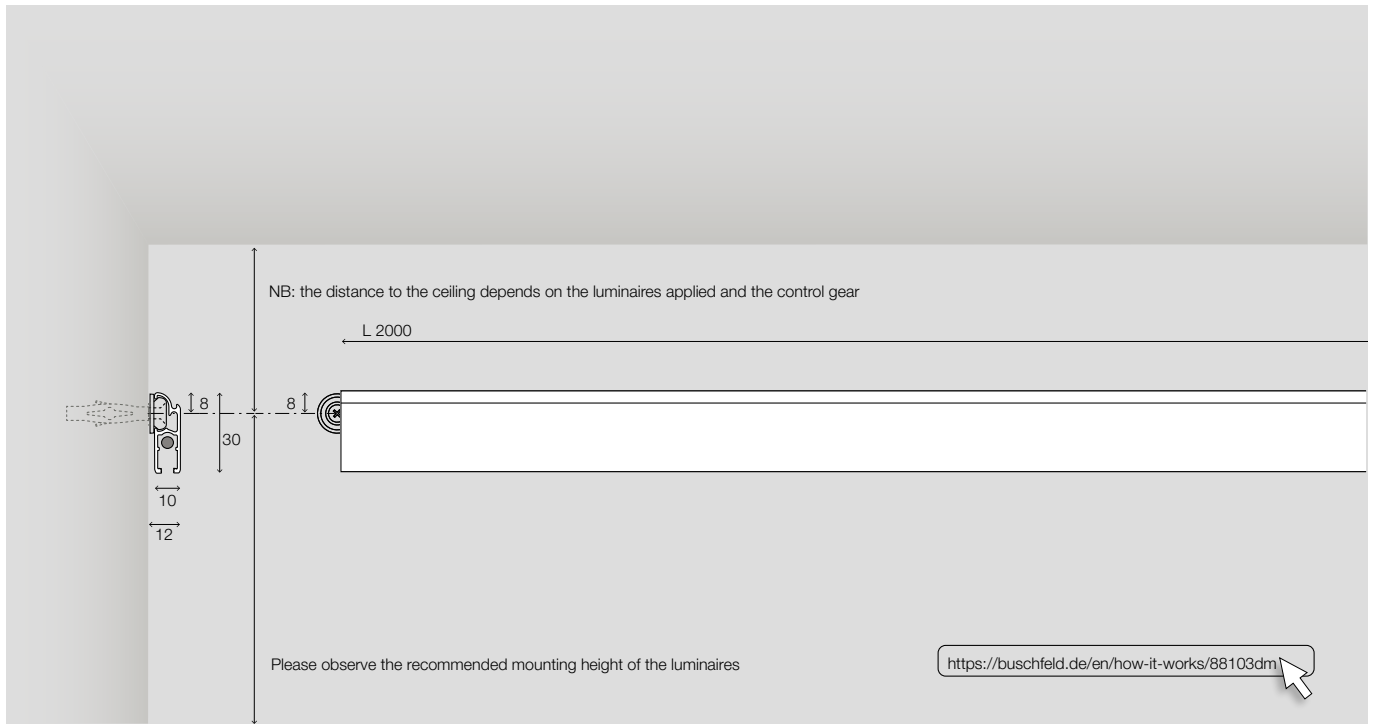


90010
picture rod with
picture hook





The track system Wall combines both the illumination and hanging of pictures. The track layout can be designed to align with the project at hand. Illuminate your pictures and spaces to meet your wishes and requirements.



Wall track and power feeds



wall track

L=2000, can be shortened
incl. mounting accessories
(5 wall clips)
12 V, 25 A

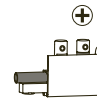
article no.	€ Euro
12-91002	213,00
12-91006	
12-91003	



power feed at the end upper left

L=35
screw contact
incl. 2 end caps
12 V, 25 A

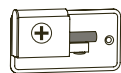
article no.	€ Euro
91114	140,00
91118	
91121	



power feed at the end upper right

L=35
screw contact
incl. 2 end caps
12 V, 25 A

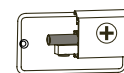
article no.	€ Euro
91106	140,00
91110	
91119	



power feed at the end recessed left

L=35
screw contact
for flush-mounted socket see
accessories
incl. 2 end caps
12 V, 25 A

article no.	€ Euro
91130	140,00
91134	
91136	



power feed at the end recessed right

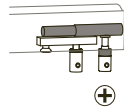
L=35
screw contact
for flush-mounted socket see
accessories
incl. 2 end caps
12 V, 25 A

article no.	€ Euro
91122	140,00
91126	
91128	



Design: Hans Buschfield

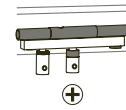
2404-222



power feed at the end facing downwards left or right

L=0
screw contact
incl. 2 end caps
12 V, 25 A

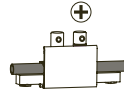
article no.	€ Euro
● 91102	110,00
○ 91107	
● 91123	



power feed central facing downwards

L=0
screw contact
incl. 2 end caps
12 V, 25 A

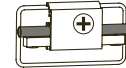
article no.	€ Euro
● 91202	128,00
○ 91203	
● 91205	



power feed central upper

L=35
screw contact
incl. 2 end caps
12 V, 25 A

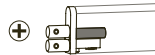
article no.	€ Euro
● 91204	150,00
○ 91208	
● 91209	



power feed central recessed

L=35
screw contact
incl. 2 end caps
12 V, 25 A

article no.	€ Euro
● 91212	154,00
○ 91216	
● 91218	



power feed at end on axis left or right

L=18
screw contact
incl. end cap
12 V, 25 A

article no.	€ Euro
● 91104	104,00
○ 91105	
● 91125	

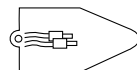
LV stranded cable

silver transparent, highly flexible,
incl. 4 cable end sleeves

2 x 6 mm ² , running metre	90500	18,00
2 x 4 mm ² , running metre	90520	17,00
2 x 2,5 mm ² , running metre	90525	15,00



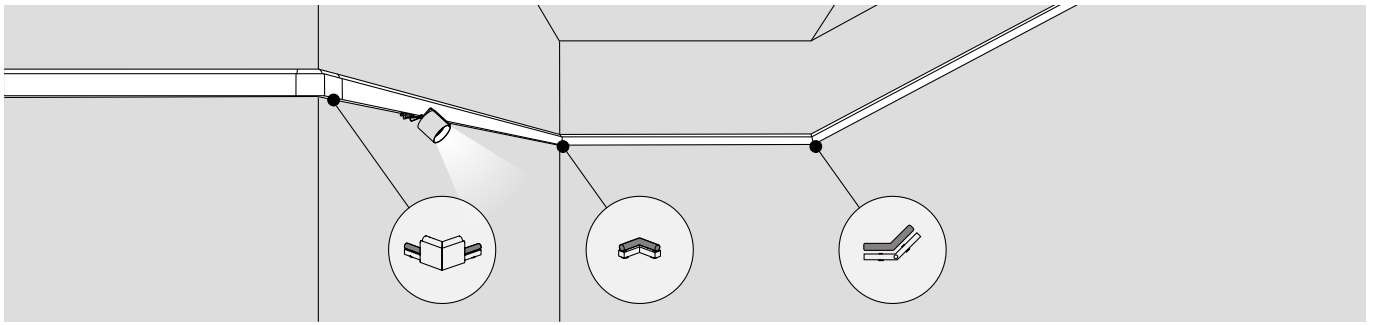
article no.	€ Euro
90500	18,00
90520	17,00
90525	15,00









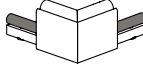





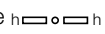

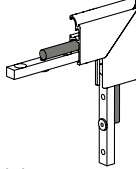

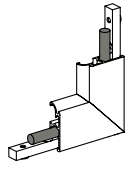
recessed socket

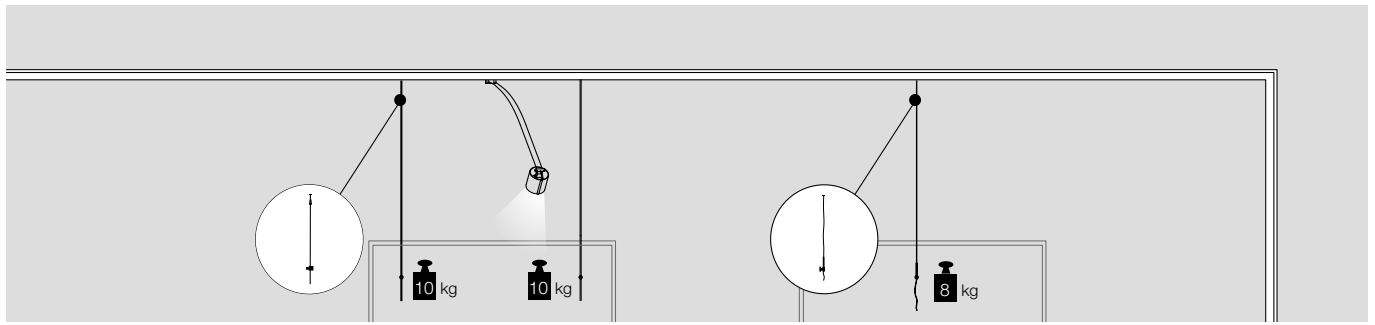
socket type: Kaiser 1048-00

article no.	€ Euro
90007	6,00





Connectors

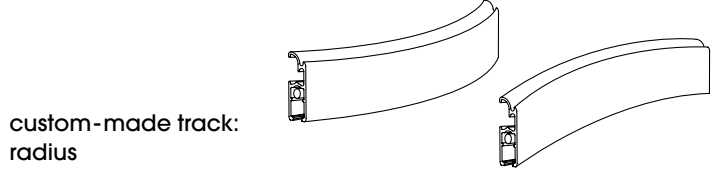
			
linear connector conductive	linear connector insulated		
article no.	€ Euro	article no.	€ Euro
L=0	91302 50,00	L=1	91304 7,00 91305 91307
			
corner connector 90°, on the inside, horizontal-horizontal, conductive	corner connector 90°, on the outside, horizontal-horizontal, conductive		
article no.	€ Euro	article no.	€ Euro
L=0 mitre cut required on site	91401 61,00	L=35	91410 77,00 91414 91416
			
joint connector 80-280° horizontal-horizontal	joint connector 70-290° horizontal-slanting		
article no.	€ Euro	article no.	€ Euro
L=0 mitre cut required on site	91502 93,00 91508 58,00	L=0 mitre cut required on site suitable for staircases	91504 88,00 91505 55,00
conductive 		conductive 	
non-conductive 		non-conductive 	
			
angle connector 90°, on the inside, horizontal-vertical, conductive	angle connector 90°, on the outside, horizontal-vertical, conductive		
article no.	€ Euro	article no.	€ Euro
L=50 inner conductor on the inside	91418 77,00 91422 91424	L=50 inner conductor on the outside	91426 77,00 91430 91432



Accessories

					
picture rod with picture hook	article no.	€ Euro	additional picture hook for picture rod	article no.	€ Euro
2,6 x 1000	90010	39,00		90019	11,00
2,6 x 1350	90011	44,00			
2,6 x 2000	90012	45,00			

					
picture cord with picture hook	article no.	€ Euro	additional picture hook for picture cord	article no.	€ Euro
1,0 x 1500	90013	40,00		90017	15,00
	90013 b	40,00			
	<small>plastic bolt, black</small>				



custom-made track: radius

Curved upright sections of track, convex or concave (diameter min. of 1000 mm), are also available. Please send us an e-mail with the data applicable for your planned track layout to info@buschfeld.de. See page 88 f for further information.

<https://buschfeld.de/en/how-it-works/88114>


custom-made: colour




All track and shades can be custom made in the colour (RAL or NCS) of your choice. Please send us an e-mail with information with the layout of the track, the number of luminaires, choice of colour(s) to: info@buschfeld.de. See page 90 for further information.

<https://buschfeld.de/en/how-it-works/88107>

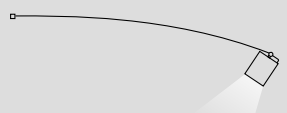
Luminaires for wall



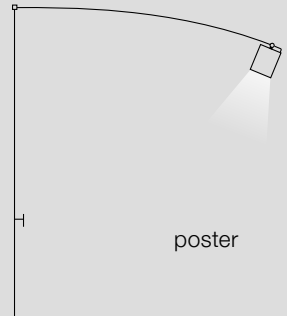
max-w



shop-w



shop



poster

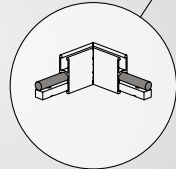
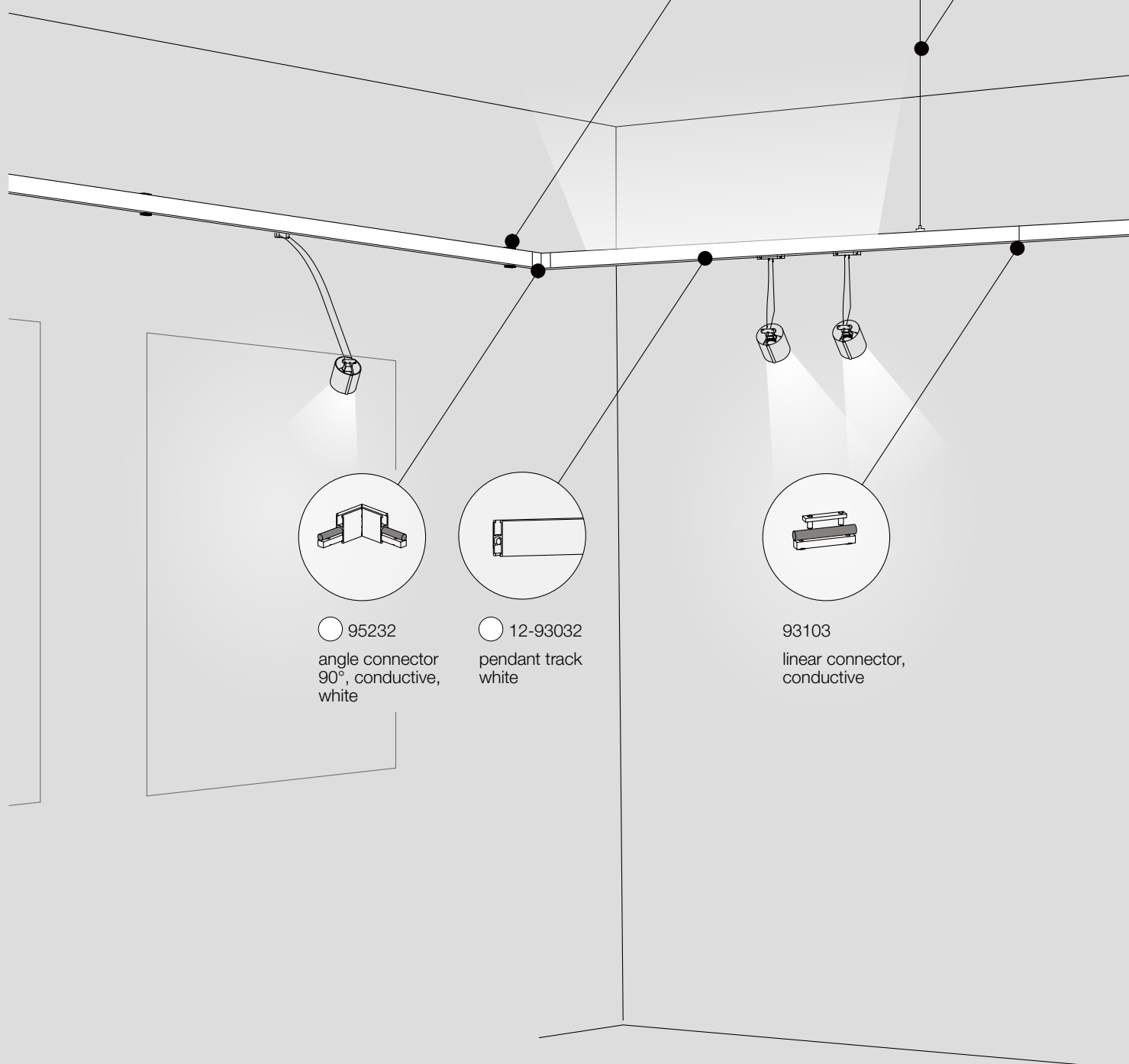
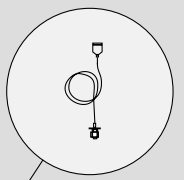
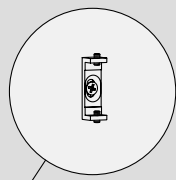
luminaires page 39 ff.
power supply units page 75 ff.

lightlight pend

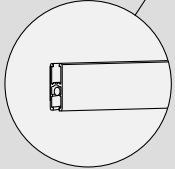
pendant track

○ 91959 w
flat clip
white

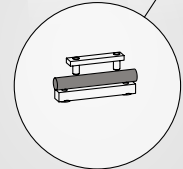
93604
cable suspension



○ 95232
angle connector
90°, conductive,
white



○ 12-93032
pendant track
white

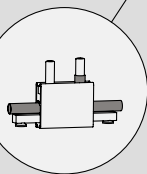
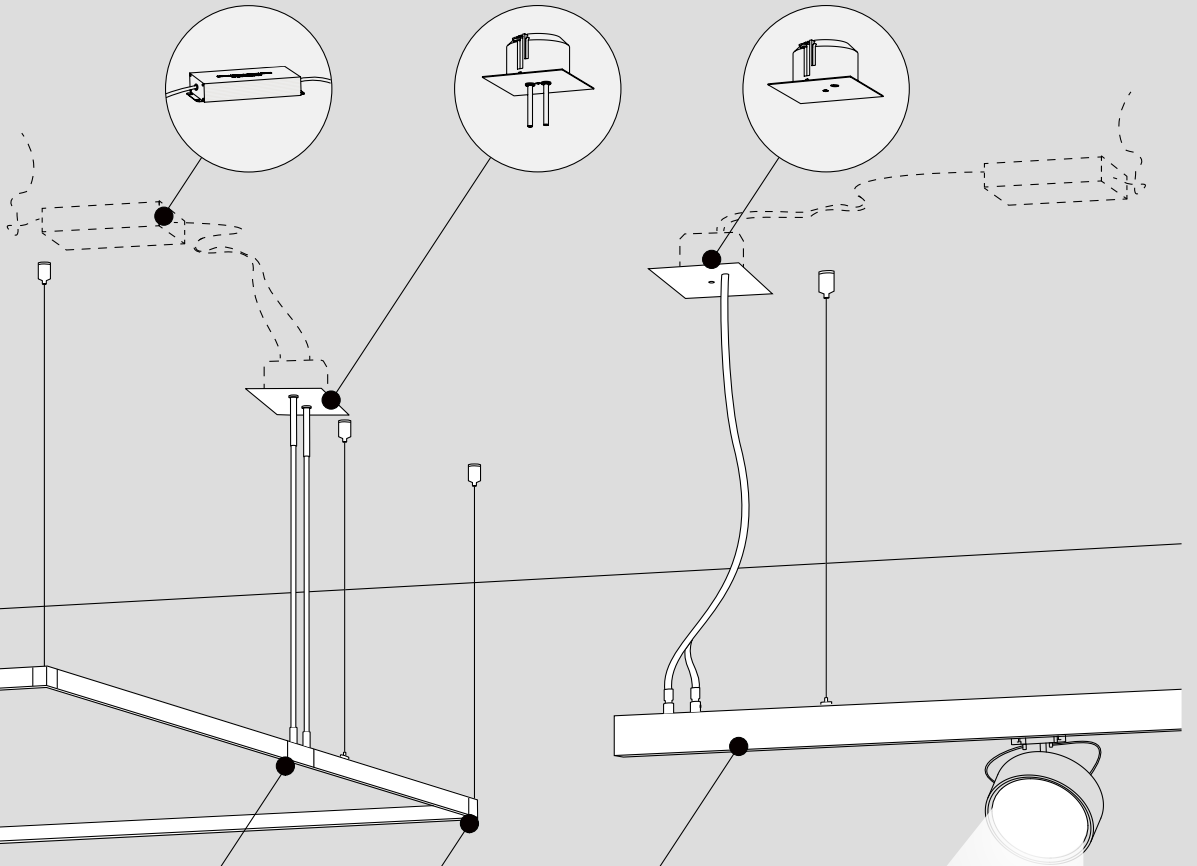


93103
linear connector,
conductive

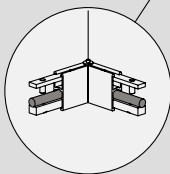
12-90143
switching power supply
MW 150 | 12 V

○ 93535
recessed canopy
for power feed rods,
white

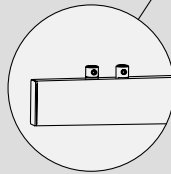
○ 93517
recessed canopy
for power cable,
white



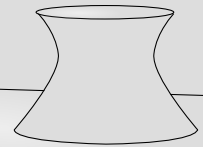
○ 93016
power feed for
power feed rods,
top centre, white



○ 93232
angle connector
90°, conductive,
white

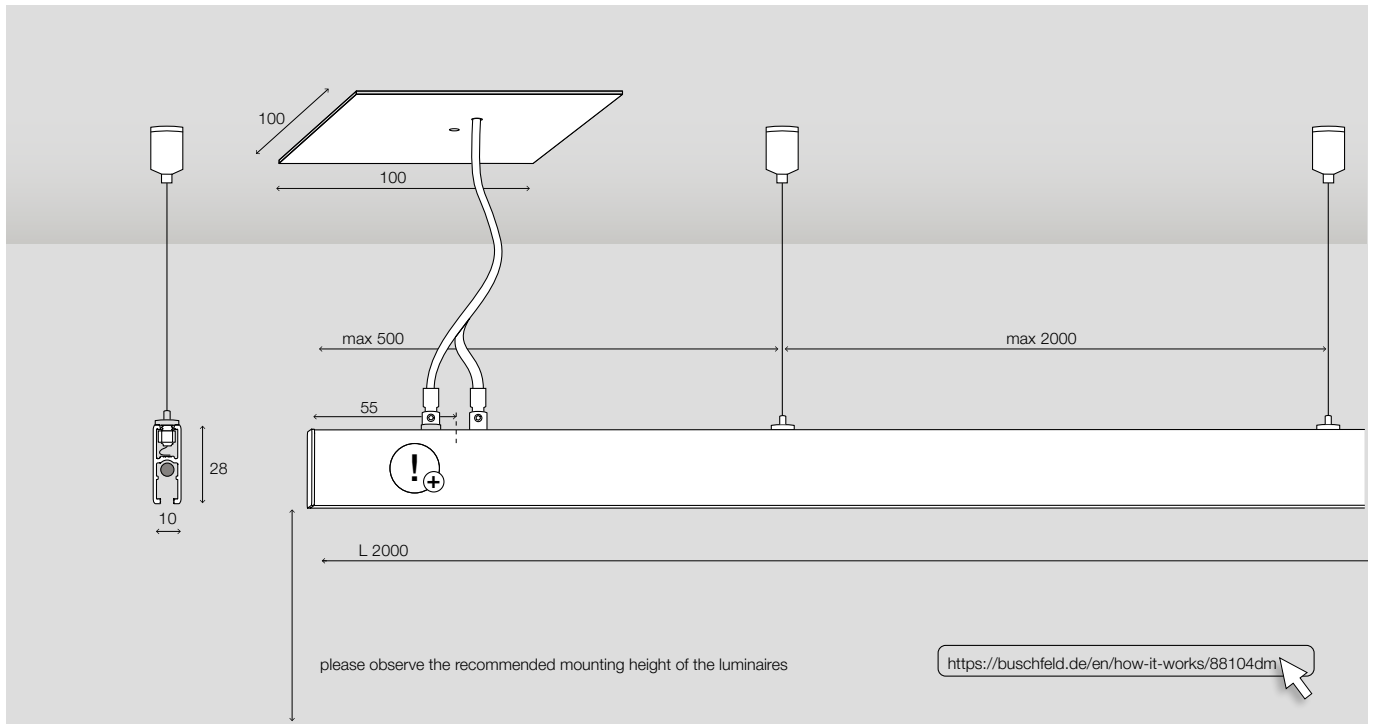


○ 12-93036
pendant track
with power feed,
white



The pendant track system Pend is suspended on thin steel cables, making the stretches of track look as though they are floating in space. Given the distance between the track and the ceiling, indirect lighting can be applied alongside spotlights.

<https://buschfeld.de/en/how-it-works/88104>



Pendant track with power feed for cable



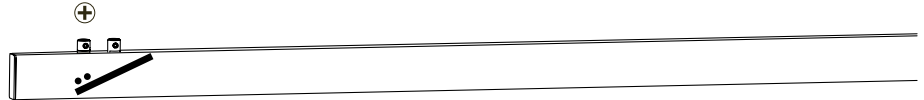
pendant track

L=2000
can be shortened
without cable suspension
12 V, 25 A

article no.	€ Euro
12-93002	184,00
12-93032	
12-93042	
12-93082	226,00

article no.	€ Euro
12-930023	367,00
12-930323	
12-930423	
12-930823	410,00

L=3000
Professional Product: please note
additional handling and shipping
costs.



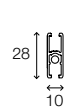
pendant track with power feed for cable

L=2000
left or right, can be shortened,
screw contact for power cable
(order cable and cable suspension
separately) incl. 2 end caps
12 V, 25 A

article no.	€ Euro
12-93006	243,00
12-93036	
12-93046	
12-93086	284,00

article no.	€ Euro
12-930063	427,00
12-930363	
12-930463	
12-930863	470,00

L=3000
Professional Product: please note
additional handling and shipping
costs.



pendant track with recessed power feed

L=2000
left or right, can be shortened,
screw contact for power cable
max. 2.5 mm² ! (order cable and cable
suspension separately)
incl. 2 end caps
12 V, limited to 12,5 A

article no.	€ Euro
12-93003	243,00
12-93039	
12-93043	
12-93083	284,00

article no.	€ Euro
12-930033	427,00
12-930393	
12-930433	
12-930833	470,00

L=3000
Professional Product: please note
additional handling and shipping
costs.



Design: Hans Buschfeld

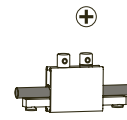
2404-222



power feed for power cable, top right or left

article no.	€ Euro
● 93614	126,00
○ 93612	
● 93613	

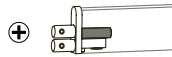
L=35
screw contact for power cable
(order cable separately)
incl. 2 end caps
12 V, 25 A



power feed for power cable, top centre

article no.	€ Euro
● 93619	134,00
○ 93616	
● 93617	

L=35
screw contact for power cable
(order cable separately)
incl. 2 end caps
12 V, 25 A



power feed for power cable, on axis left or right

article no.	€ Euro
● 91104	104,00
○ 91105	
● 91125	
● 91129	

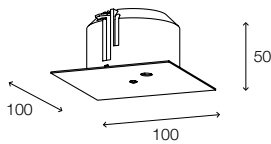
L=18
screw contact for power cable
(order cable separately)
incl. end cap
12 V, 25 A



LV stranded cable

article no.	€ Euro
90500	18,00
90520	17,00
90525	15,00

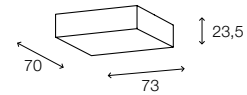
silver transparent
incl. 4 cable end sleeves
2 x 6 mm², running metre
2 x 4 mm², running metre
2 x 2,5 mm², running metre



recessed canopy for power feed by cable

article no.	€ Euro
● 93510	59,00
○ 93517	
● 93518	

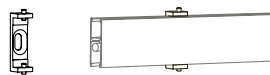
for LV cable connection or
HV mains connection,
cover plate 100 x 100
depth 50
diameter 74



surface-mounted canopy for power feed by cable

article no.	€ Euro
● 93500	59,00
○ 93537	
● 93538	

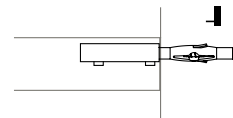
for LV cable connection or
HV mains connection,
70 x 73 x 23,5



flat clip

article no.	€ Euro
● 91959 a	66,00
○ 91959 w	
● 91959 b	

for mounting Pend track flat on walls
or ceilings. The track can be installed
vertically or horizontally.
available in packs of 3



wall or ceiling fastener

article no.	€ Euro
93505	45,00

L=0

<https://www.buschfeld.de/en/flat-clip/91959-1>



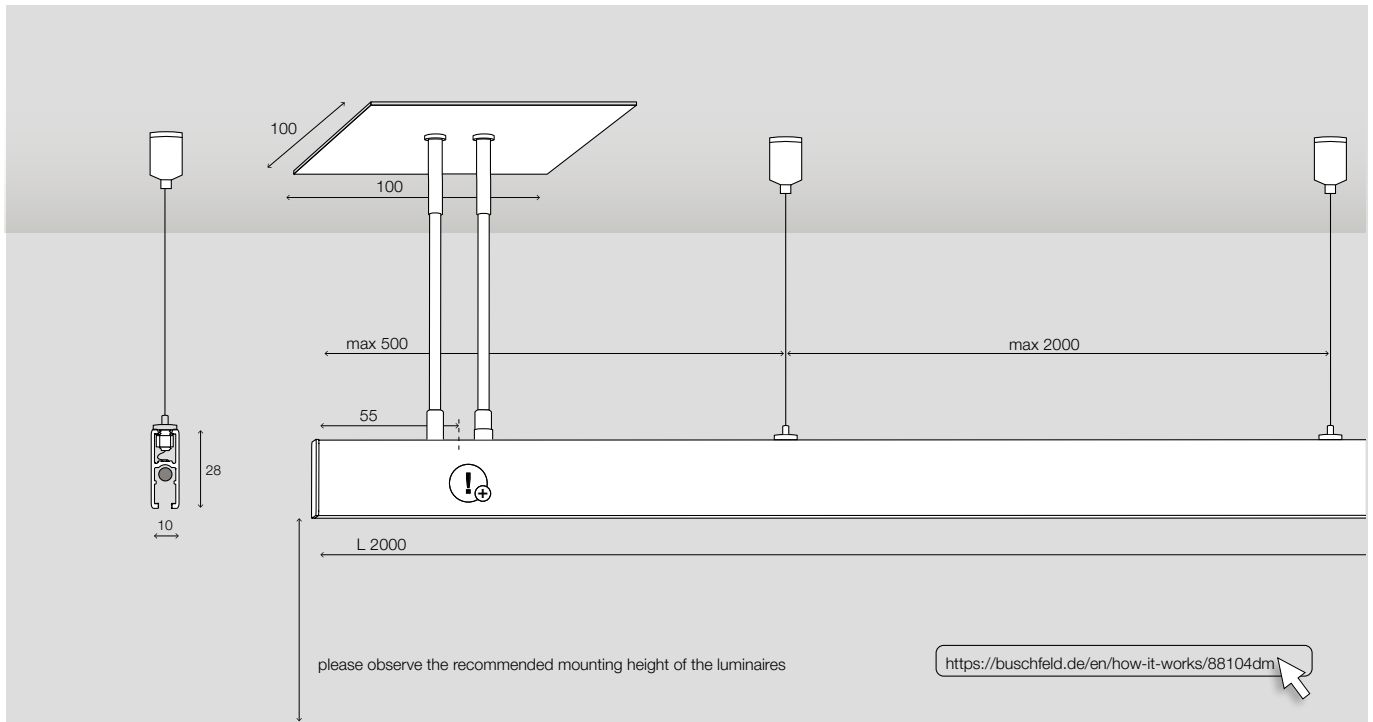
cable suspension

article no.	€ Euro
93604	54,00

without power feed
L=1500
can be positioned as required

<https://www.buschfeld.de/en/cable-suspension/93604>

continue with power feeds for power feed rods on the next page



Pendant track with power feed for power feed rods



pendant track

L=2000
can be shortened
without cable suspension
48 V DC, 12.5 A

article no.	€ Euro
12-93002	184,00
12-93032	
12-93042	
12-93082	226,00

article no.	€ Euro
12-930023	367,00
12-930323	
12-930423	
12-930823	410,00

L=3000
Professional Product: please note
additional handling and shipping
costs.



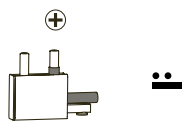
pendant track with
power feeds for power
feed rods

L=2000
left or right, can be shortened,
plug contact for power feed rods,
(order power feed rod separately), incl.
2 end caps,
48 V DC, 12.5 A

article no.	€ Euro
12-93004	243,00
12-93034	
12-93044	
12-93084	284,00

article no.	€ Euro
12-930043	427,00
12-930343	
12-930443	
12-930843	470,00

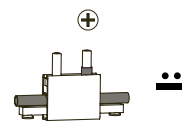
L=3000
Professional Product: please note
additional handling and shipping
costs.



power feed for power
feed rods,
top left or right

L=35
plug contact for power feed rod,
(order power feed rod separately)
incl. 2 end caps
12 V, 25 A

article no.	€ Euro
93014	126,00
93012	
93013	



power feed for power
feed rods,
top centre

L=35
with plug contact for power feed rod,
(order power feed rod separately)
incl. 2 end caps
12 V, 25 A

article no.	€ Euro
93019	134,00
93016	
93017	

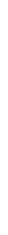


Design: Hans Buschfield

2404-222

power feed rod

L=2000, can be cut into sections
L=1000, can be cut into sections



article no.	€ Euro
93566	52,00
93567	27,00



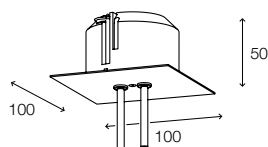
spacer

for power feed rods longer than 1 m

article no.	€ Euro
93062	49,00

recessed canopy for power feed rods

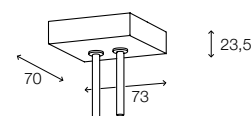
for LV with plug-in coupling for power feed rods, cover plate 100 x 100 depth 50 diameter 74



article no.	€ Euro
93525	100,00
93535	
93545	

surface-mounted canopy for power feed rods

for LV with plug-in coupling for power feed rods, 70 x 73 x 23,5



article no.	€ Euro
93524	100,00
93534	
93544	

cable suspension

without power feed
L=1500
can be positioned as required

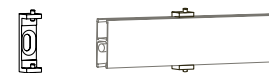


article no.	€ Euro
93604	55,00

<https://www.buschfeld.de/en/cable-suspension/93604>

flat clip

for mounting Pend track flat on walls or ceilings. The track can be installed vertically or horizontally. available in packs of 3

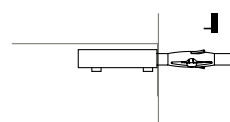


article no.	€ Euro
91959 a	66,00
91959 w	
91959 b	

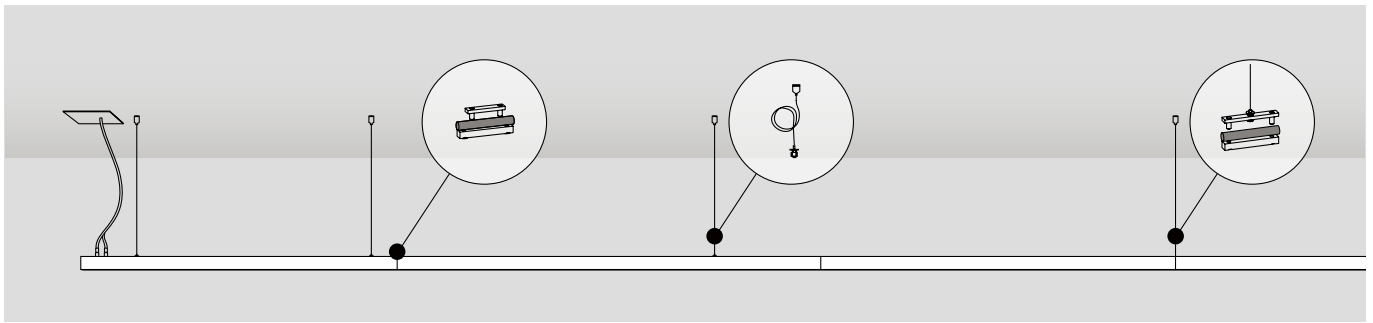
<https://www.buschfeld.de/en/flat-clip/91959-1>

wall or ceiling fastener



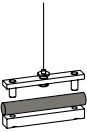

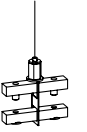

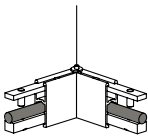

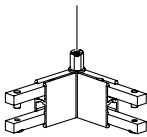

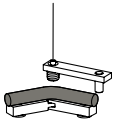

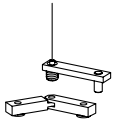

L=0

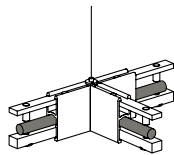
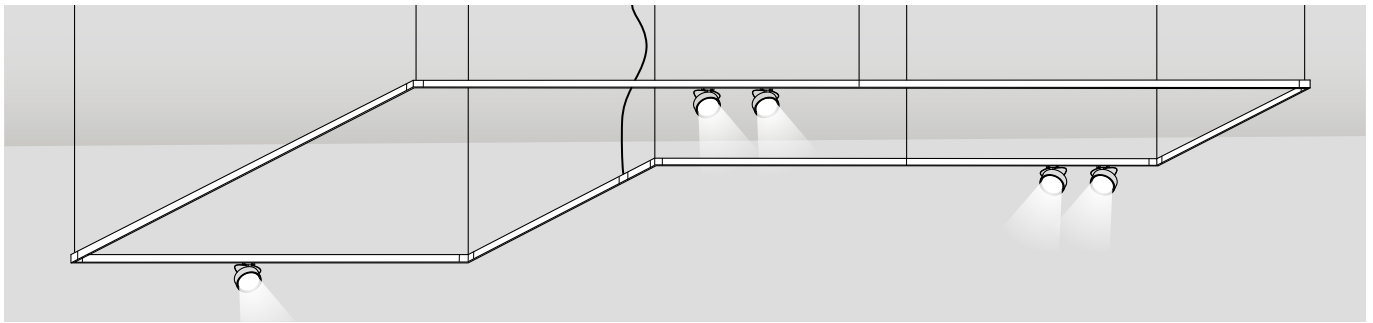


article no.	€ Euro
93505	45,00



Connectors

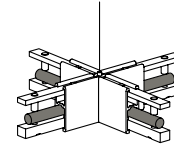
	—		—		
linear connector conductive L=0 without cable suspension	article no. 93103	€ Euro 52,00	linear connector insulated L=0 without cable suspension	article no. 93102	€ Euro 52,00
					
linear connector conductive L=0 with cable suspension (L=1500)	article no. 93109	€ Euro 86,00	linear connector insulated L=0 with cable suspension (L=1500)	article no. 93112	€ Euro 86,00
					
angle connector 90° conductive L=35 with cable suspension (L=1500)	article no. ● 93202 ○ 93232 ● 93242	€ Euro 114,00	angle connector 90° insulated L=35 with cable suspension (L=1500)	article no. ● 93205 ○ 93235 ● 93245	€ Euro 114,00
					
joint connector 80-280° conductive L=0 with cable suspension (L=1500)	article no. 93206	€ Euro 125,00	joint connector 80-280° non-conductive L=0 with cable suspension (L=1500)	article no. 93208	€ Euro 92,00



**T-connector
3-way conductive**

L=60
with cable suspension (L=1500)
Other versions available on request!

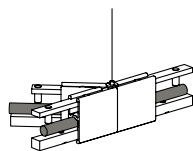
article no.	€ Euro
● 93302	152,00
○ 93332	
● 93342	



**cross connector
4-way conductive**

L=60
with cable suspension (L=1500)
Other versions available on request!

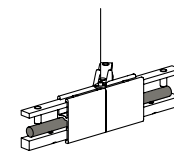
article no.	€ Euro
● 93402	195,00
○ 93432	
● 93442	



**T-connector 45° left
3-way conductive**

L=60
with cable suspension (L=1500)
Other versions available on request!

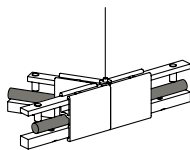
article no.	€ Euro
● 93902	152,00
○ 93932	
● 93942	



**T-connector 45° right
3-way conductive**

L=60
with cable suspension (L=1500)
Other versions available on request!

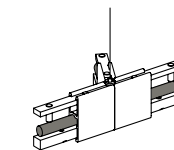
article no.	€ Euro
● 93903	152,00
○ 93933	
● 93943	



**T-connector 60° left
3-way conductive**

L=60
with cable suspension (L=1500)
Other versions available on request!

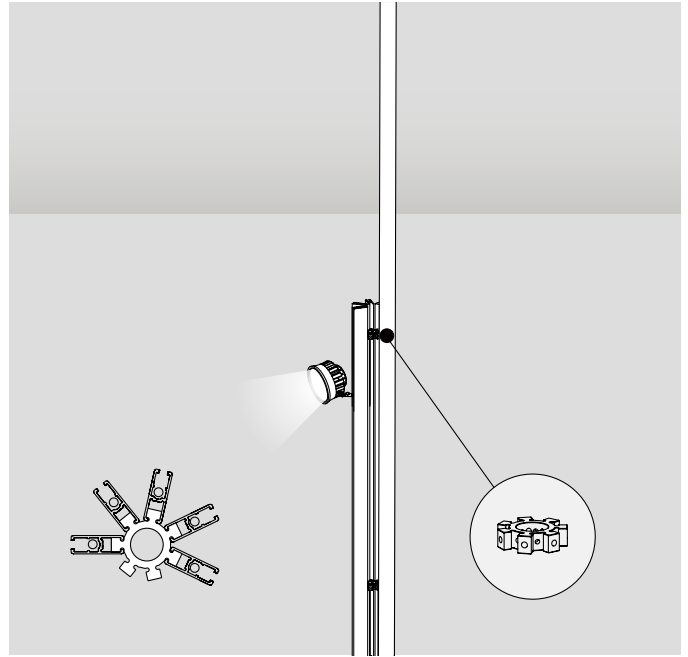
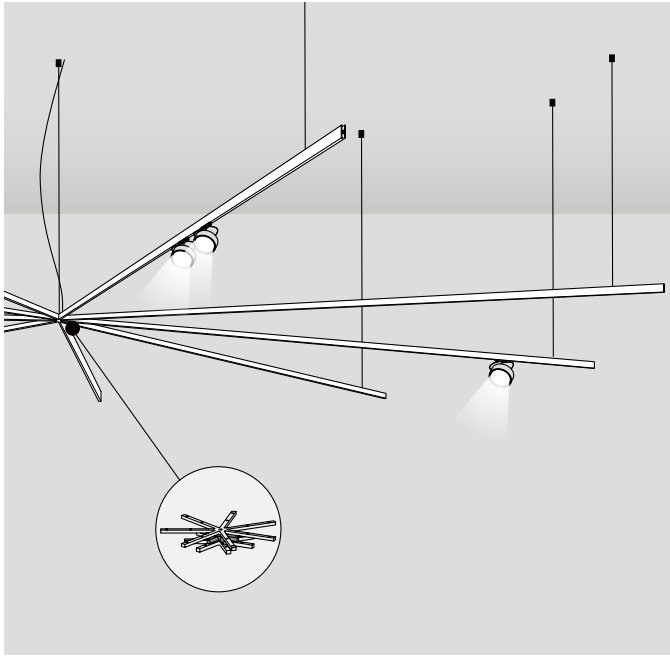
article no.	€ Euro
● 93904	152,00
○ 93934	
● 93944	



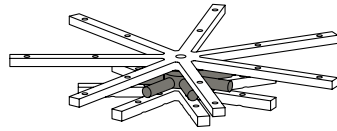
**T-connector 60° right
3-way conductive**

L=60
with cable suspension (L=1500)
Other versions available on request!

article no.	€ Euro
● 93905	152,00
○ 93935	
● 93945	



Connectors



star-shaped connectors horizontal, conductive

Available with 5-12 beams. The track is inserted directly onto the connector, leading to a central point. The sections of track (the beams) are electrically interconnected.

We are glad to help you achieve your design ideas.

rays	article no.	€ Euro
5	95805	236,00
6	95806	266,00
7	95807	295,00
8	95808	323,00
9	95809	353,00
10	95810	381,00
11	95811	409,00
12	95812	438,00

star-shaped connectors vertical, non-conductive

Star-shaped connectors are available with 5-12 beams. The track is inserted directly onto the connector, running parallel. The connection is purely mechanical. Power feeds are applied as required. Please inquire separately.

rays	article no.	€ Euro
5	95705	109,00
6	95706	109,00
7	95707	109,00
8	95708	109,00
9	95709	109,00
10	95710	109,00
11	95711	109,00
12	95712	109,00

<https://buschfeld.de/en/how-it-works/88111>

<https://buschfeld.de/en/how-it-works/88112>

Luminaires for pend



max



flex



spot 5

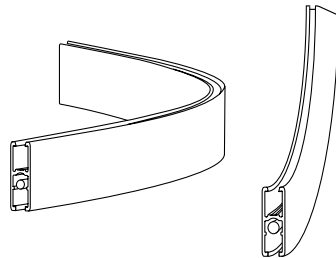
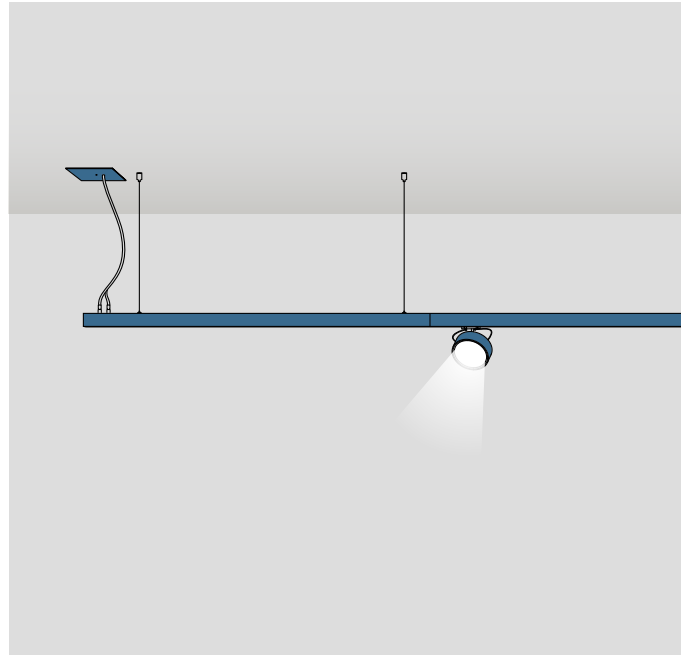
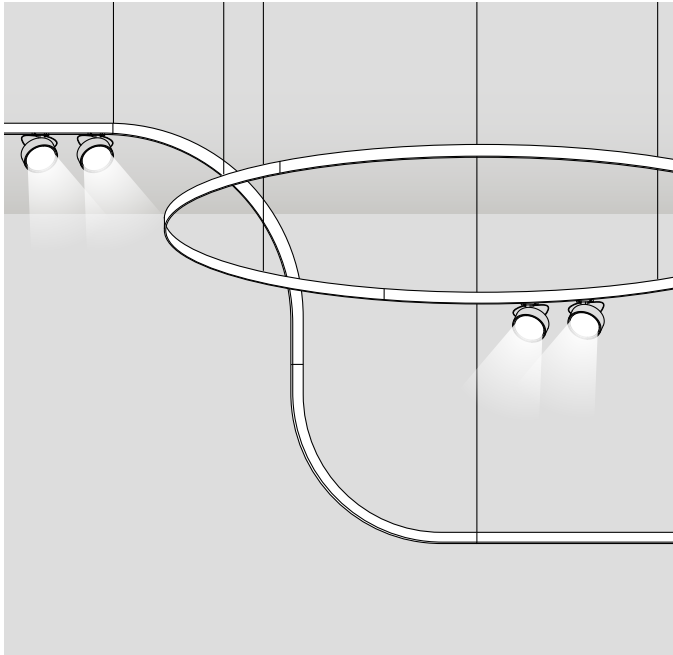


shop 13



shop-v 5

luminaires page 39 ff.
power supply units page 75 ff.



**custom-made track:
radius**

Curved sections of track, flat or upright (min. diameter of 1000 mm), are also available.

Please send us an e-mail with the data applicable for your planned track layout to info@buschfeld.de See page 88 f for further information.

<https://buschfeld.de/en/how-it-works/88114>

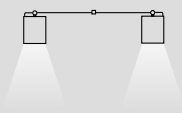


**custom-made:
colour**

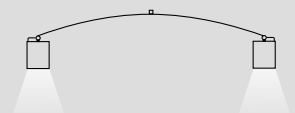
All track and shades can be custom made in the colour (RAL or NCS) of your choice.

Please send us an e-mail with information with the layout of the track, the number of luminaires, choice of colour(s) to: info@buschfeld.de. See page 90 for further information.

<https://buschfeld.de/en/how-it-works/88107>



balance 25



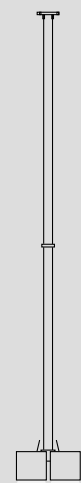
balance 50



shop-v 50



shop-v 100



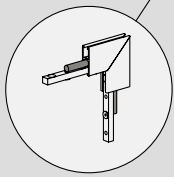
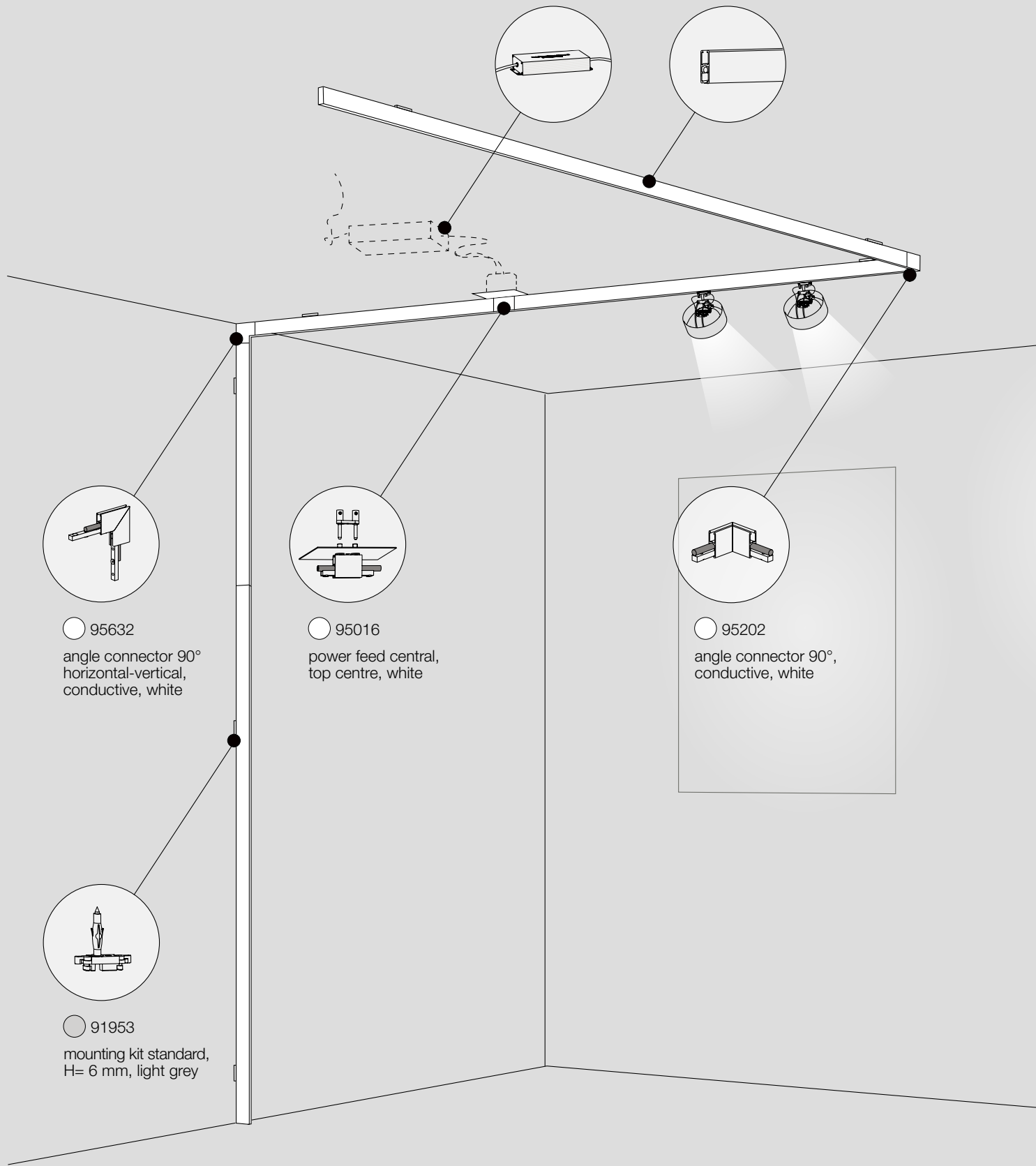
pinpin

lightlight ceiling

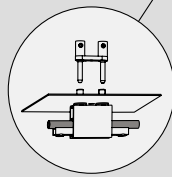
ceiling track

12-90143
control gear, MW 150|12 V,
concealed mounting

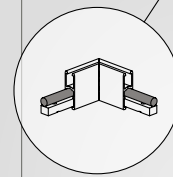
12-93032
ceiling track
white



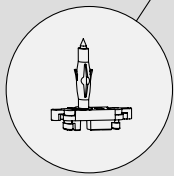
95632
angle connector 90°
horizontal-vertical,
conductive, white



95016
power feed central,
top centre, white

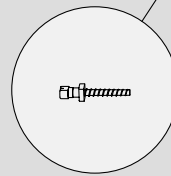
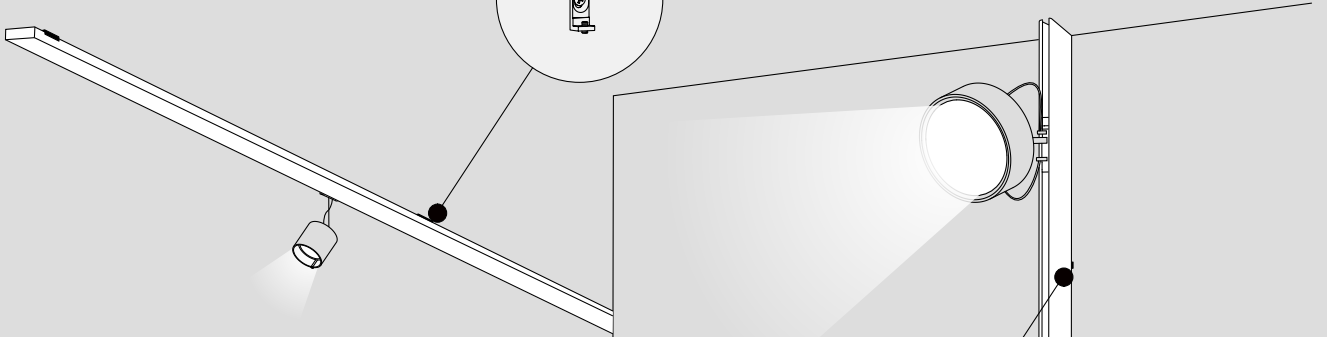
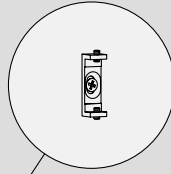


95202
angle connector 90°,
conductive, white

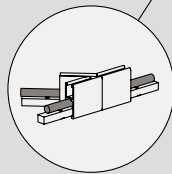
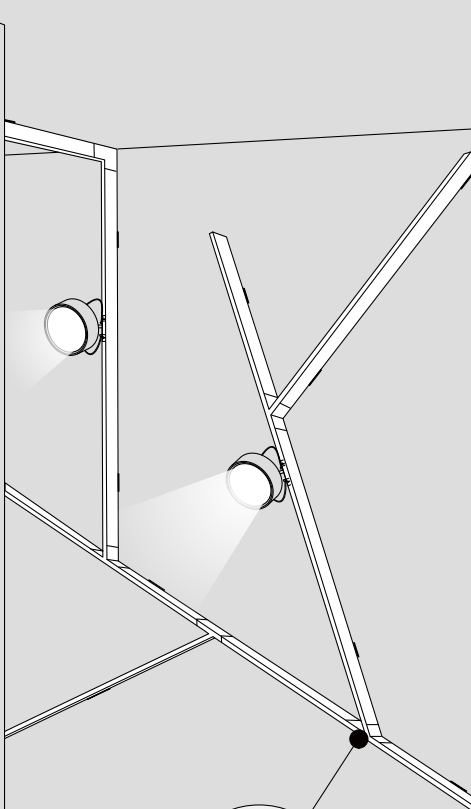


91953
mounting kit standard,
H= 6 mm, light grey

○ 91959 w
flat clip
white



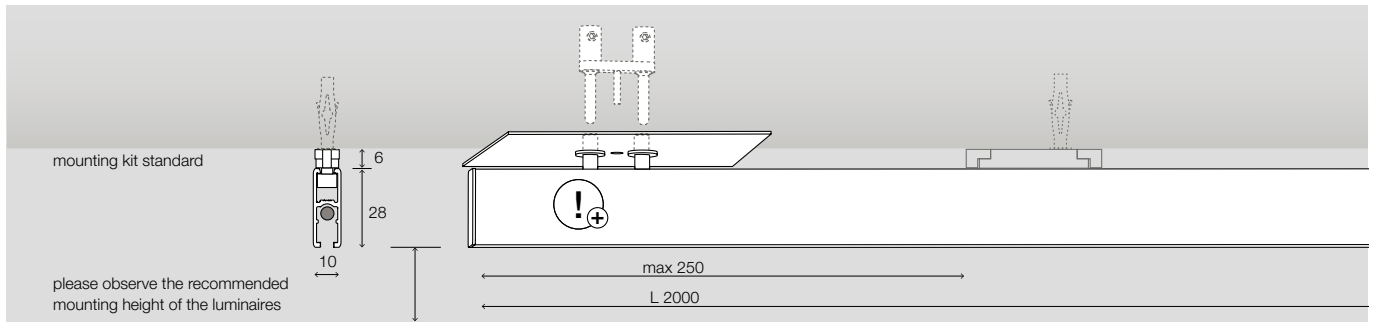
○ 91954
mounting kit mini
H=2 mm, light grey



○ 95932
T-connector 45°,
3-way conductive,
white

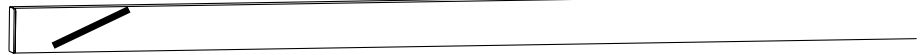
The ceiling tracks Ceiling can be installed either on ceilings or on walls. Select from three alternatives to assemble them. Ceiling is as interesting for a permanent lighting solution as it is for a temporary installation.

<https://buschfeld.de/en/how-it-works/88105>



Ceiling track, power feeds and accessories

<https://buschfeld.de/en/how-it-works/88105dm>



ceiling track

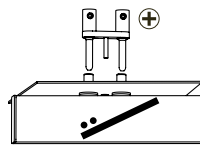
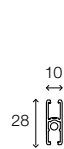
L=2000
can be shortened
12 V, 25 A

! Mounting kit to be ordered separately.

article no.	€ Euro
12-93002	184,00
12-93032	
12-93042	
12-93082	226,00

L=3000
Professional Product: please note additional handling and shipping costs.

article no.	€ Euro
12-930023	367,00
12-930323	
12-930423	
12-930823	410,00



ceiling track with power feed, left or right

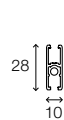
L=2000
can be shortened
with power feed, right or left
cover plate 100 x 100, incl. plug and 2
end caps, 12 V, 25 A

! Mounting kit to be ordered separately.

article no.	€ Euro
12-95004	282,00
12-95034	
12-95044	
12-95084	323,00

L=3000
Professional Product: please note additional handling and shipping costs.

article no.	€ Euro
12-950043	465,00
12-950343	
12-950443	
12-950843	508,00



ceiling track with recessed power feed

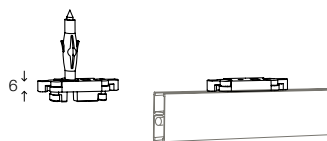
L=2000
left or right, can be shortened, screw contact
for power cable
max. 2,5 mm² ! (order cable separately)
incl. 2 end caps, 12 V, limited to 12,5 A

! Mounting kit to be ordered separately.

article no.	€ Euro
12-93003	243,00
12-93039	
12-93043	
12-93083	284,00

L=3000
Professional Product: please note additional handling and shipping costs.

article no.	€ Euro
12-930033	427,00
12-930393	
12-930433	
12-930833	470,00

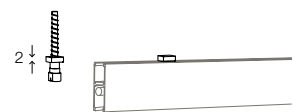


mounting kit standard

The track can be mounted vertically or horizontally.
H=6 mm
Available in packs of 2

article no.	€ Euro
91953	30,00
91953 b	

<https://www.buschfeld.de/en/mounting-kit-standard/91953>



mounting kit mini

The track can be mounted vertically or horizontally.
H=2 mm
Available in packs of 2

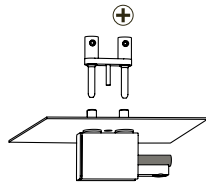
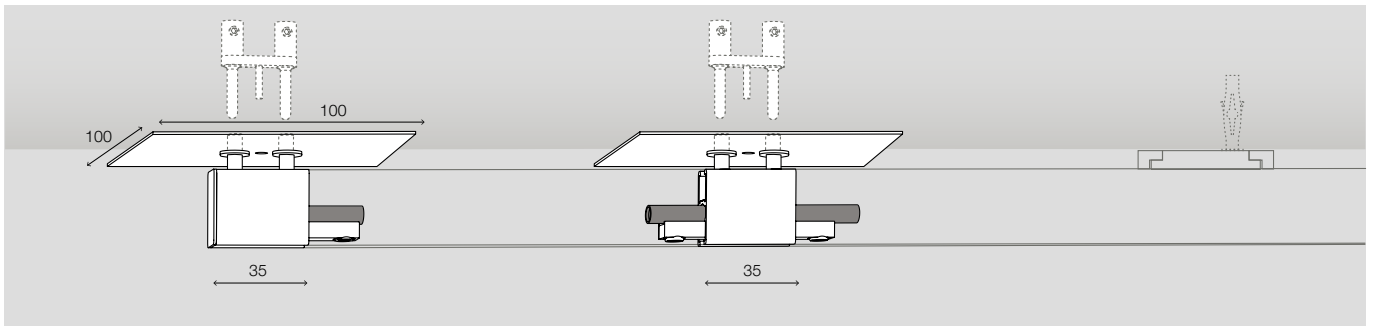
article no.	€ Euro
91954	39,00
91954 b	

<https://www.buschfeld.de/en/mounting-kit-mini/91954>



Design: Hans Buschfeld

2404-222

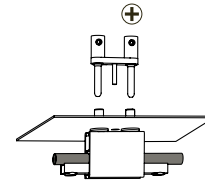


power feed at the end, top left or right

L=35
with cover plate 100 x 100,
incl. plug and 2 end caps
12 V, 25 A

- 95014
- 95012
- 95013

article no. € Euro
166,00

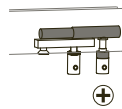


power feed central, top centre

L=35
with cover plate 100 x 100,
incl. plug and 2 end caps
12 V, 25 A

- 95019
- 95016
- 95017

article no. € Euro
172,00

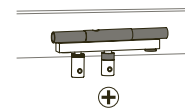


power feed at the end, facing downwards, left or right

L=0
screw contact for power cable
(order cable separately)
incl. 2 end caps
12 V, 25 A

- 91102
- 91107
- 91123

article no. € Euro
110,00

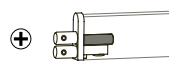


power feed central, facing downwards

L=0
screw contact for power feed
(order cable separately)
incl. 2 end caps
12 V, 25 A

- 91202
- 91203
- 91205

article no. € Euro
128,00



power feed for power cable, on axis left or right

L=18
screw contact for power cable
(order cable separately)
incl. end cap
12 V, 25 A

- 91104
- 91105
- 91125
- 91129

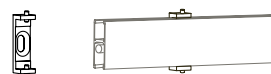
article no. € Euro
104,00



LV stranded cable

silver transparent
incl. 4 cable end sleeves
2x6 mm², running metre
2x4 mm², running metre
2x2,5 mm², running metre

article no. € Euro
90500 18,00
90520 17,00
90525 16,00



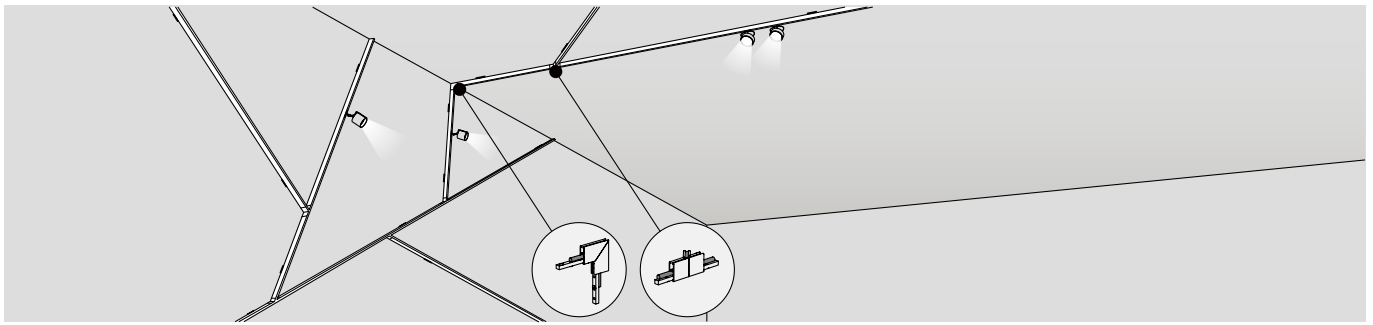
flat clip

For mounting track flat on the wall/
ceiling. The track can be mounted
vertically or horizontally.
Available in packs of 3

- 91959 a
- 91959 w
- 91959 b

article no. € Euro
66,00

<https://www.buschfeld.de/en/flat-clip/91959-1>

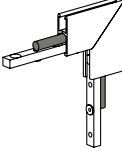

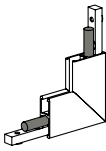









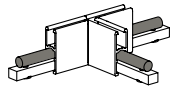
Connectors

					
linear connector conductive	article no.	€ Euro	linear connector insulated	article no.	€ Euro
L=0	91302	50,00	L=1	 91304	7,00
				 91305	
				 91307	

					
joint connector 80-280° horizontal-horizontal	article no.	€ Euro	joint connector 70-290° horizontal-slanting	article no.	€ Euro
L=0 mitre cut required on site			L=0 mitre cut required on site e.g. in stairwells		
conductive 	91502	93,00	conductive 	91504	93,00
non-conductive 	95208	58,00	non-conductive 	91505	58,00

					
angle connector 90° conductive	article no.	€ Euro	angle connector 90° insulated	article no.	€ Euro
L=35	 95202	77,00	L=35	 95205	77,00
	 95232			 95235	
	 95242			 95245	

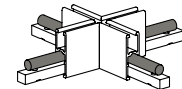
					
angle connector 90° on the inside, horizontal-vertical, conductive	article no.	€ Euro	angle connector 90° on the outside, horizontal-vertical, conductive	article no.	€ Euro
L=50 inner conductor on the inside	 95602	77,00	L=50 inner conductor on the outside	 95702	77,00
	 95632			 95732	
	 95642			 95742	



**T-connector
3-way conductive**

L=60
Other versions available on request!

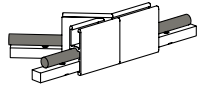
article no.	€ Euro
 95302	116,00
 95332	
 95342	



**cross connector
4-way conductive**

L=60
Other versions available on request!

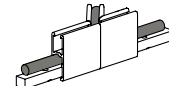
article no.	€ Euro
 95402	153,00
 95432	
 95442	



**T-connector 45° left
3-way conductive**

L=60
Other versions available on request!

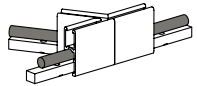
article no.	€ Euro
 95902	116,00
 95932	
 95942	



**T-connector 45° right
3-way conductive**




L=60
Other versions available on request!

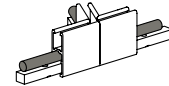
article no.	€ Euro
 95903	116,00
 95933	
 95943	



**T-connector 60° left
3-way conductive**

L=60
Other versions available on request!

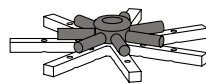
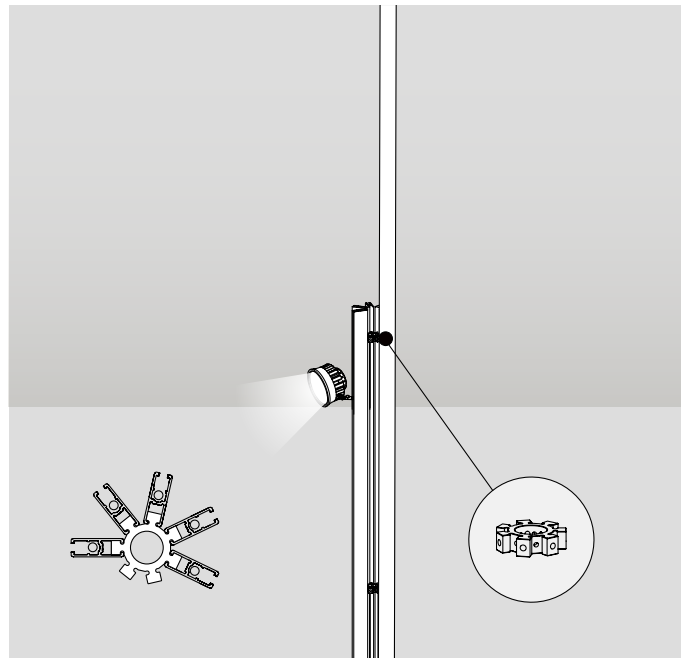
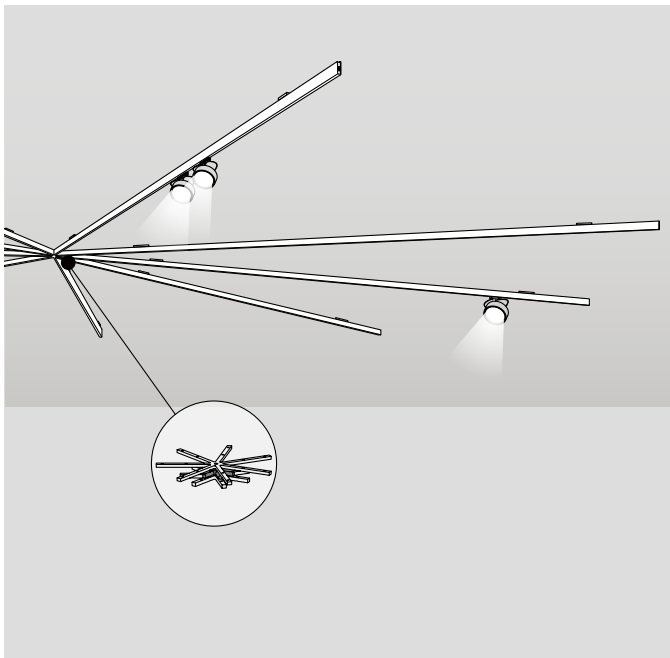
article no.	€ Euro
 95904	116,00
 95934	
 95944	



**T-connector 60° right
3-way conductive**

L=60
Other versions available on request!

article no.	€ Euro
 95905	116,00
 95935	
 95945	



star-shaped connectors horizontal, conductive

Star-shaped connectors horizontal, conductive Available with 5-12 beams. The track is inserted directly onto the connector, leading to a central point. The sections of track (the beams) are electrically interconnected.

We are glad to help you achieve your design ideas.

rays	article no.	€ Euro
5	95805	150,00
6	95806	173,00
7	95807	195,00
8	95808	217,00
9	95809	241,00
10	95810	261,00
11	95811	284,00
12	95812	306,00

star-shaped connectors vertical, non-conductive

Star-shaped connectors vertical, non-conductive Available with 5-12 beams. The track is inserted directly onto the connector, running parallel. The connection is purely mechanical. Power feeds are applied as required. Please inquire separately.

Please inquire separately.

rays	article no.	€ Euro
5	95705	109,00
6	95706	109,00
7	95707	109,00
8	95708	109,00
9	95709	109,00
10	95710	109,00
11	95711	109,00
12	95712	109,00

<https://buschfeld.de/en/how-it-works/88111>

<https://buschfeld.de/en/how-it-works/88112>

Luminaires for ceiling



max



flex



spot 5

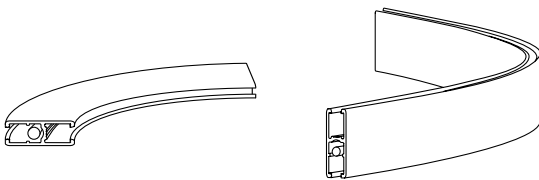
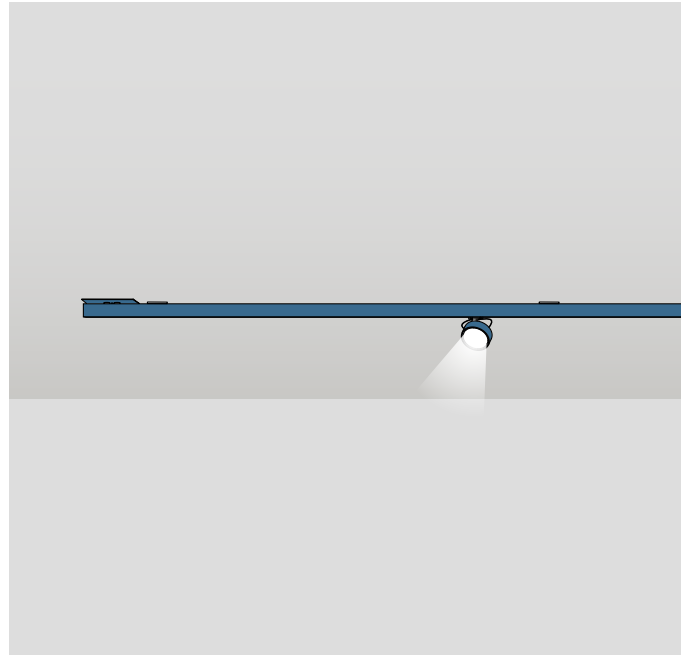
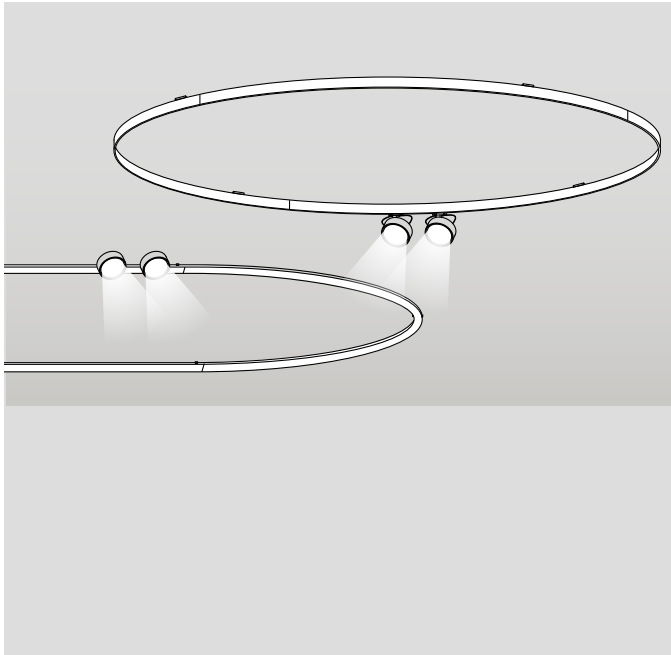


shop 13



shop-v 5

luminaires page 39 ff.
power supply units page 75 ff.



**custom-made track:
radius**

Curved sections of track, flat or upright (min. diameter of 1000 mm), are also available.

Please send us an e-mail with the data applicable for your planned track layout to info@buschfeld.de. See page 88f for further information.

<https://buschfeld.de/en/how-it-works/88114>

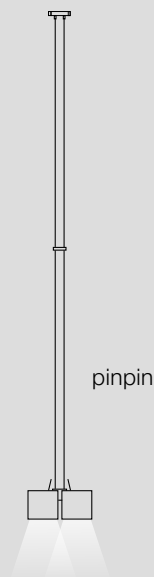
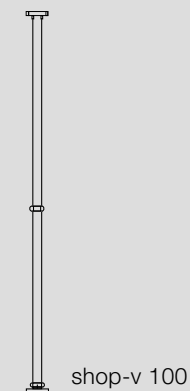
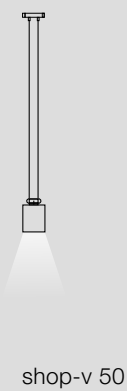
**custom-made:
colour**



All track and shades can be custom made in the colour (RAL or NCS) of your choice.

Please send us an e-mail with information with the layout of the track, the number of luminaires, choice of colour(s) to: info@buschfeld.de. See page 90 for further information.

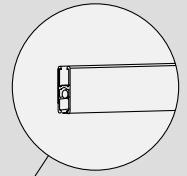
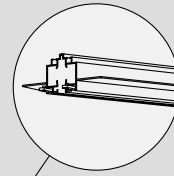
<https://buschfeld.de/en/how-it-works/88107>



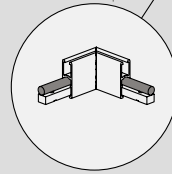
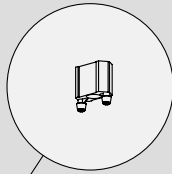
lightlight in recessed track

98200
drywall profile

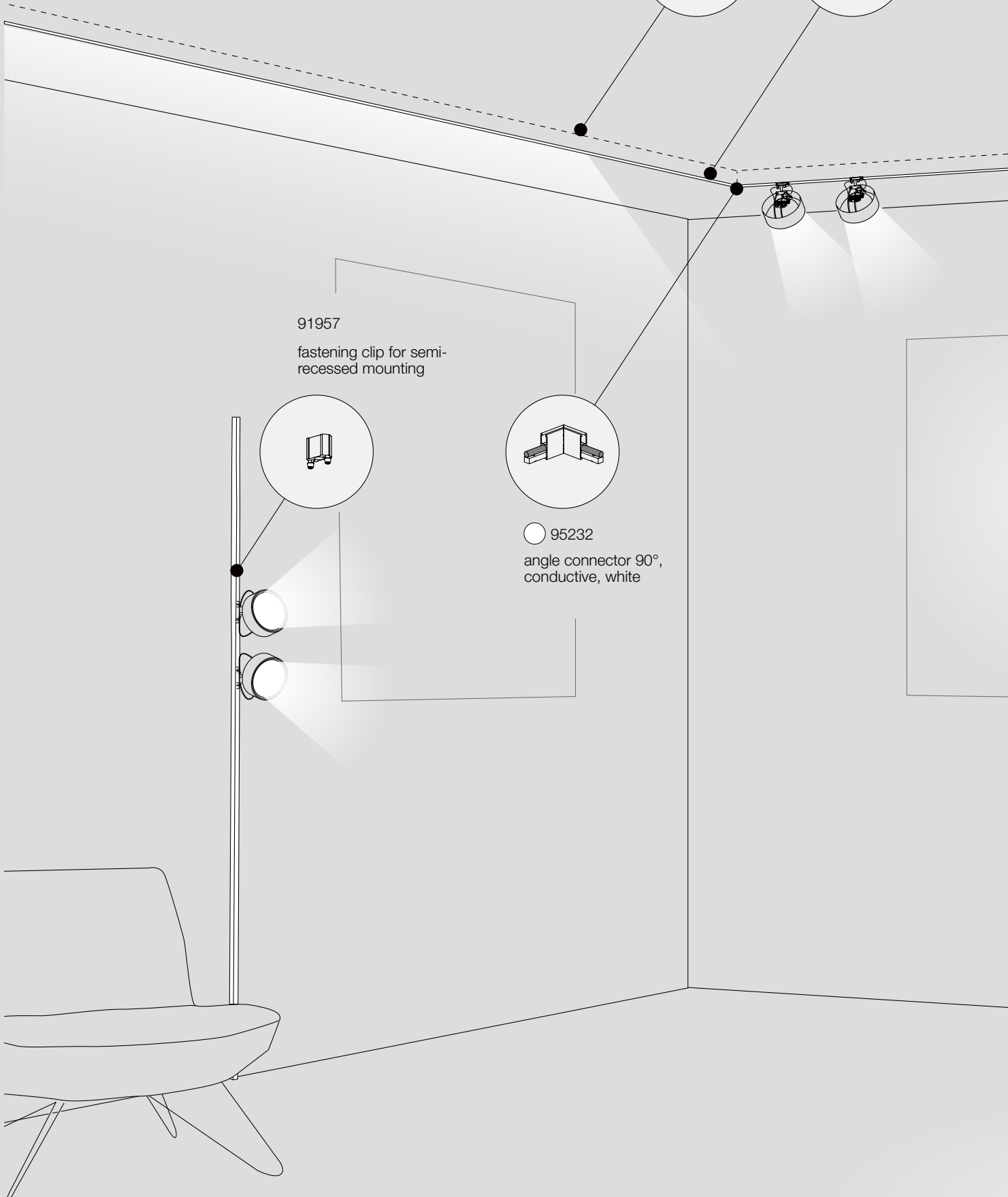
○ 12-93032
recessed track
white



91957
fastening clip for semi-
recessed mounting



○ 95232
angle connector 90°,
conductive, white

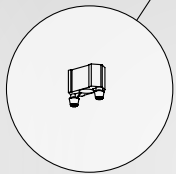
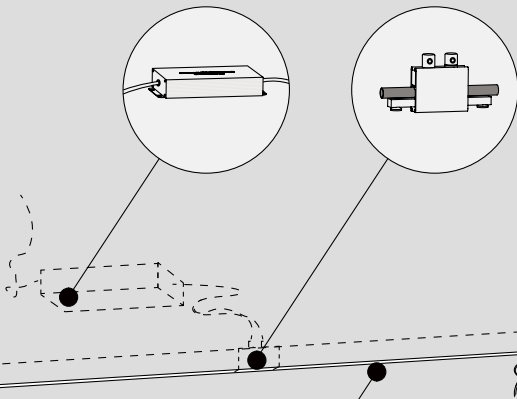


12-90143

control gear MW 150 | 12 V,
concealed mounting

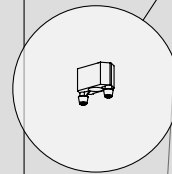
93615

power feed
top centre, white



91955

fastening clip for flush
mounting



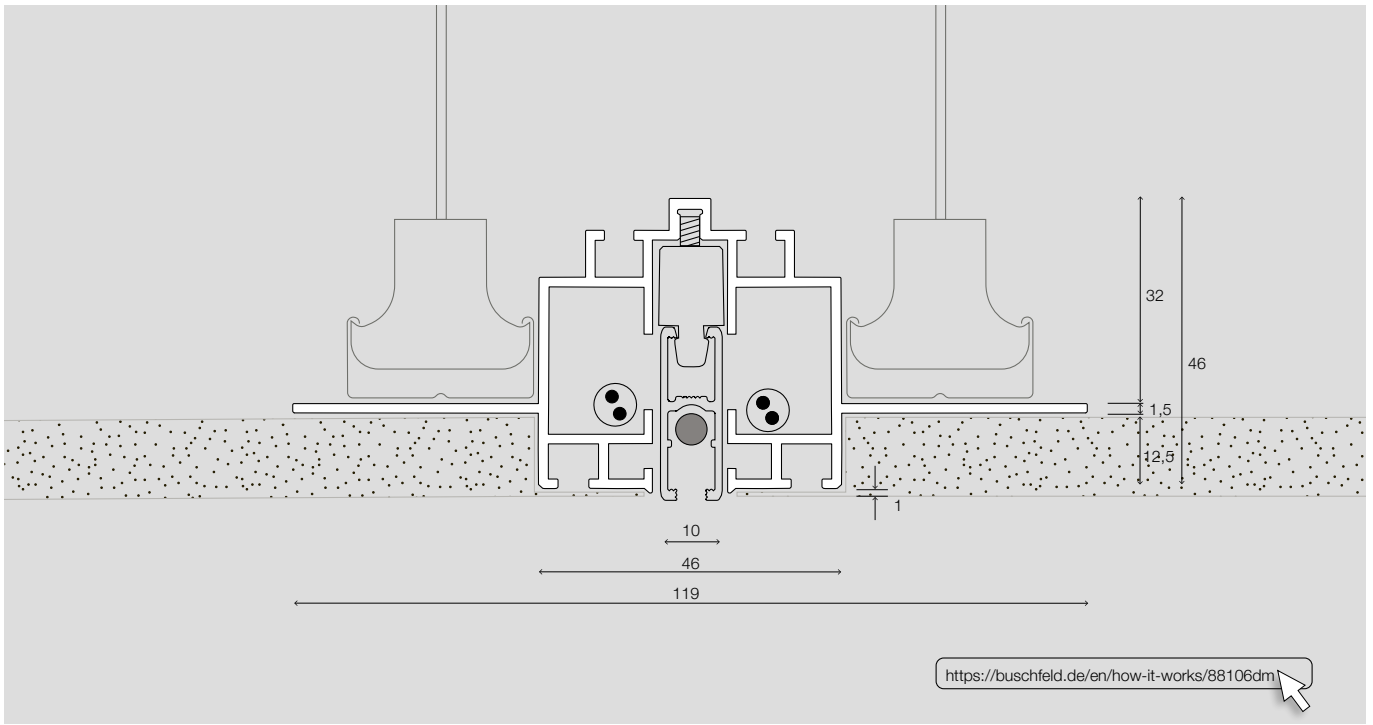
91956

fastening clip for
mounting in shelves
and cupboards



The recessed track In comprises ultra-slimline track systems for recessed mounting on ceilings or walls. Recessed track applications need to be planned well in advance, given that the drywall profile needs to already have been installed in the drywall construction. Once the surface has been plastered and painted, all that remains visible is a 10 mm wide line.

<https://buschfeld.de/en/how-it-works/88106>



Drywall profile and accessories

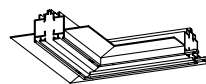


drywall profile

Aluminium profile for flush mounting on ceilings or walls, horizontal and vertical
L=2000, can be shortened,

! Mounting kits for recessed track to be ordered separately.

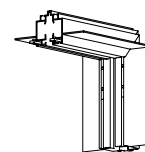
article no.	€ Euro
98200	196,00



corner element 90° horizontal-horizontal

Aluminium profile for flush mounting on ceilings or walls

article no.	€ Euro
98050	127,00



corner element 90°, horizontal-vertical

Aluminium profile for flush mounting on ceilings or walls, for horizontal and/or vertical mounting

article no.	€ Euro
98055	127,00



LV stranded cable

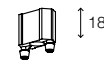
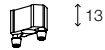
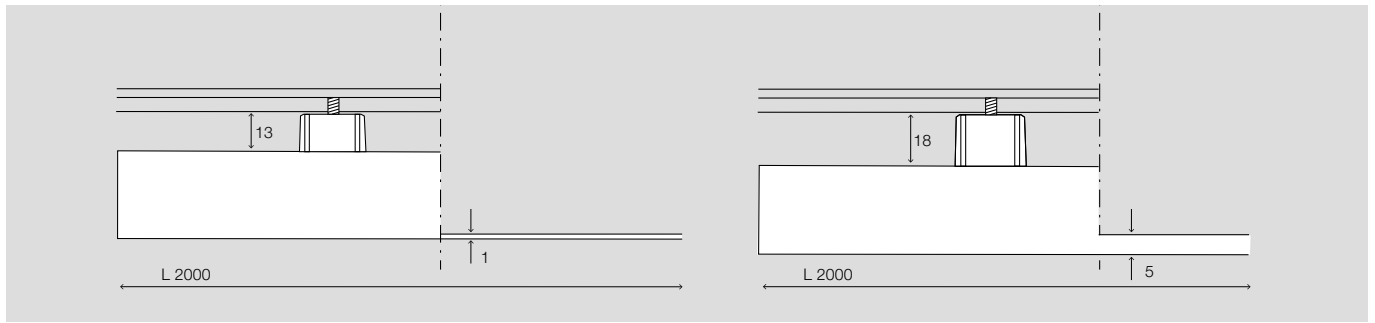
silver transparent
incl. 4 cable end sleeves

article no.	€ Euro
2 x 6 mm ² , running metre	90500 18,00
2 x 4 mm ² , running metre	90520 17,00
2 x 2,5 mm ² , running metre	90525 15,00



Design: Hans Buschfeld

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mounting kit in for flush mounting

kit for flush mounting of in track, supplied in packs of 5

article no.	€ Euro
91955	50,00

mounting kit in for semi-recessed mounting

special kit for semi-recessed mounting of in track, 5 mm of the track remain visible supplied in packs of 5

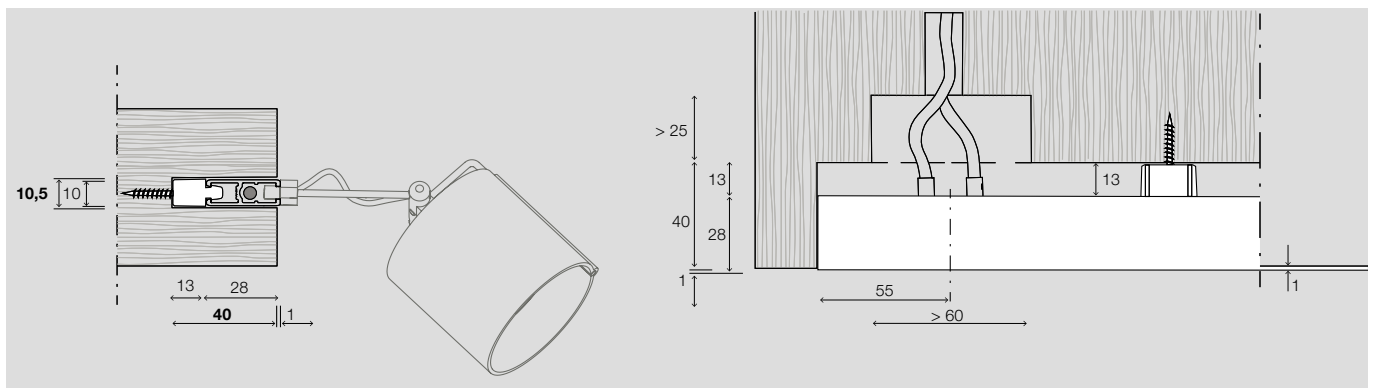
article no.	€ Euro
91957	50,00



distance tape

required for horizontal mounting of in track L=5000

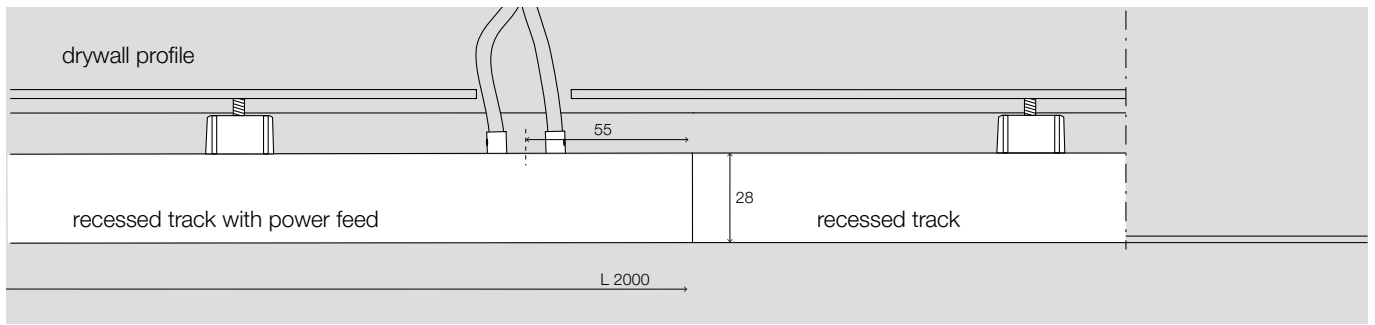
article no.	€ Euro
91958	26,00



mounting kit in for mounting in shelves

in mounting kit for mounting in shelves (2 pcs.), 1 mm of the track remains visible supplied in packs of 2 NB instructions re. milling!

article no.	€ Euro
91956	33,00



Recessed track with power feed



recessed track

L=2000
can be shortened
12 V, 25 A

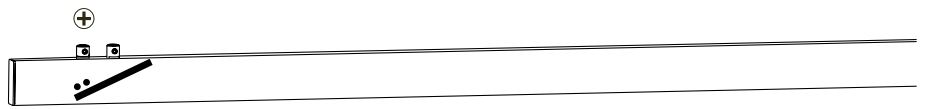
! Mounting kit to be ordered separately.

article no.	€ Euro
● 12-93002	184,00
○ 12-93032	
● 12-93042	
● 12-93082	226,00

L=3000

Professional Product: please note additional handling and shipping costs.

article no.	€ Euro
○ 12-930023	367,00
○ 12-930323	
● 12-930423	
● 12-930823	410,00



recessed track, with power feed

L=2000
left or right, can be shortened,
screw contact for power cable
(order cable separately)
incl. 2 end caps, 12 V, 25 A

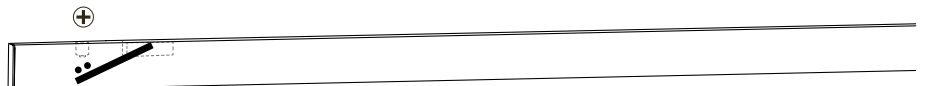
! Mounting kit to be ordered separately.

article no.	€ Euro
● 12-93006	243,00
○ 12-93036	
● 12-93046	
● 12-93086	284,00

L=3000

Professional Product: please note additional handling and shipping costs.

article no.	€ Euro
○ 12-930063	427,00
○ 12-930363	
● 12-930463	
● 12-930863	470,00



recessed track with recessed power feed

L=2000
left or right, can be shortened,
screw contact for power cable
max. 2,5 mm² ! (order cable separately)
incl. 2 end caps, 12 V, limited to 12,5 A

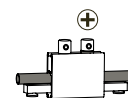
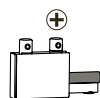
! Mounting kit to be ordered separately.

article no.	€ Euro
● 12-93003	243,00
○ 12-93039	
● 12-93043	
● 12-93083	284,00

L=3000

Professional Product: please note additional handling and shipping costs.

article no.	€ Euro
○ 12-930033	427,00
○ 12-930393	
● 12-930433	
● 12-930833	470,00



power feed, top left or right

L=35
screw contact for power cable
(order cable separately)
incl. 2 end caps
12 V, 25 A

article no.	€ Euro
● 93614	126,00
○ 93612	
● 93613	

power feed, top centre

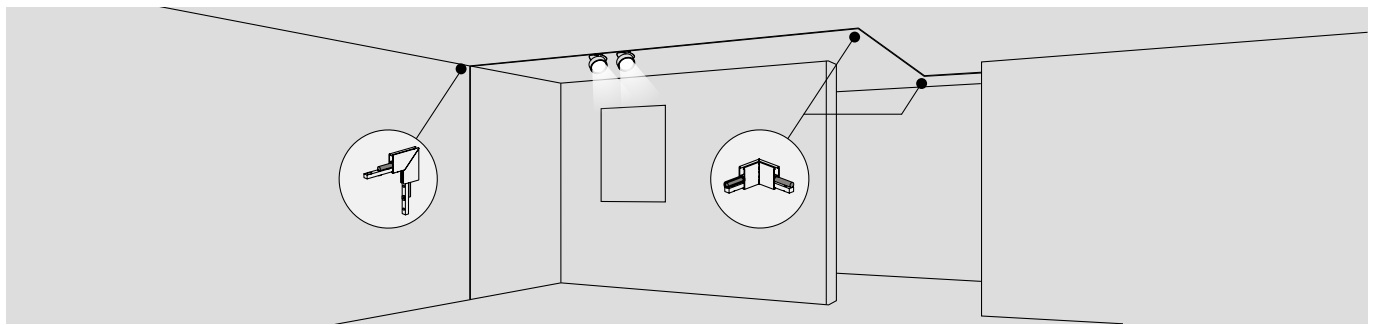
L=35
screw contact for power cable
(order cable separately)
incl. 2 end caps
48 V, 25 A

article no.	€ Euro
● 93619	134,00
○ 93616	
● 93617	










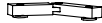

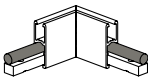

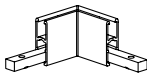







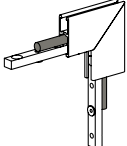

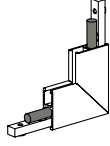









Design: Hans Buschfield

2404-222



Connectors

					
linear connector conductive	article no.	€ Euro	linear connector insulated	article no.	€ Euro
L=0	91302	50,00	L=1	<ul style="list-style-type: none">  91304  91305  91307 	7,00
					
joint connector 80-280° horizontal-horizontal conductive	article no.	€ Euro	joint connector 80-280° horizontal-vertical non - conductive	article no.	€ Euro
L= 0 mitre cut required on site	91502	93,00	L= 0 mitre cut required on site	95208	58,00
					
angle connector 90° conductive	article no.	€ Euro	angle connector 90° insulated	article no.	€ Euro
L=35	<ul style="list-style-type: none">  95202  95232  95242 	77,00	L=35	<ul style="list-style-type: none">  95205  95235  95245 	77,00
					
angle connector 90° on the inside horizontal-vertical, conductive	article no.	€ Euro	angle connector 90° on the outside horizontal-vertical, conductive	article no.	€ Euro
L= 50 inner conductor on the inside	<ul style="list-style-type: none">  95602  95632  95642 	77,00	L= 50 inner conductor on the outside	<ul style="list-style-type: none">  95702  95732  95742 	77,00

Luminaires for in



max



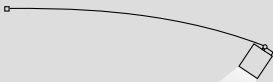
flex



spot 5



shop-v 5



shop



shop-v 50



shop-v 100



pinpin

luminaires page 39 ff.
power supply units page 75 ff.



Design: Hans Buschfield

luminaires 12V

lightlight luminaires

overview

	Max-w	Shop-w
Wall		
Pend		
Ceiling		
In		
Mono		
see page	47	55
LED	66 - 69	62 - 65

	Max	Flex	Spot 5	Shop 13
Wall				
Pend				
Ceiling				
In				
Mono				
see page	46	44	60	56
LED	66 - 69	62 - 65	62 - 65	62 - 65

Wall	
Pend	
Ceiling	
In	
Mono	
see page	
LED	



Shop

Poster



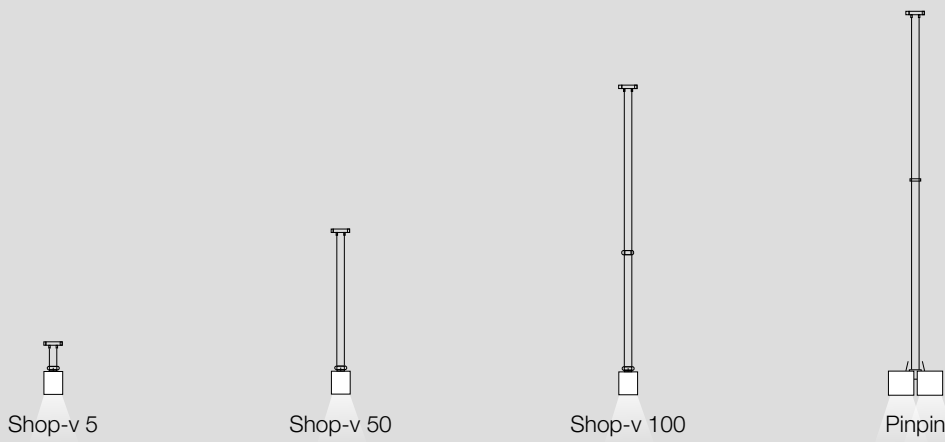
52

62 - 65

49

62 - 65

wall track
pendant track
ceiling track
recessed track
individual luminaire
see page
LED



Shop-v 5

Shop-v 50

Shop-v 100

Pinpin



57

62 - 65

58

62 - 65

59

62 - 65

50

62 - 65

wall track
pendant track
ceiling track
recessed track
individual luminaire
see page
LED



Balance 25



Balance 50



43

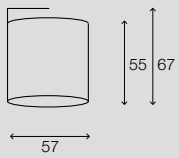
62 - 65

43

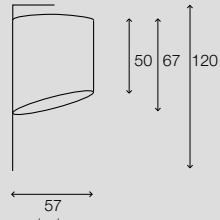
62 - 65

wall track
pendant track
ceiling track
recessed track
individual luminaire
see page
LED

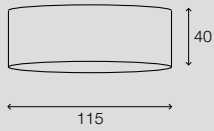
types of shades



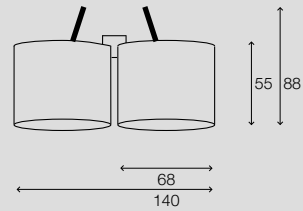
tube
VIVID LED MR16



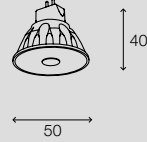
point
VIVID LED MR16



disc 111
VIVID LED AR111



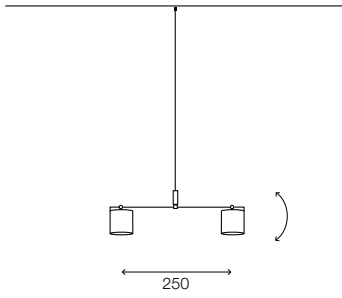
pinpin
VIVID LED MR16



mr16
VIVID LED MR16

light source without shade





balance 25

project luminaire system: pend, rondo

shade

article no.

€ Euro



tube

- 38202 a
- 38202 w
- 38202 b

277,00

together with light sources:
VIVID LED MR16



mr16
without shade

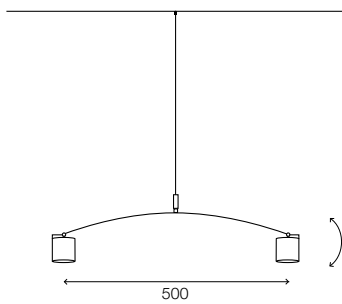
38200

230,00

together with light sources:
VIVID LED MR16



Design: Hans Buschfeld



balance 50

project luminaire system: pend, rondo

shade

article no.

€ Euro



tube

- 37602 a
- 37602 w
- 37602 b

307,00

together with light sources:
VIVID LED MR16

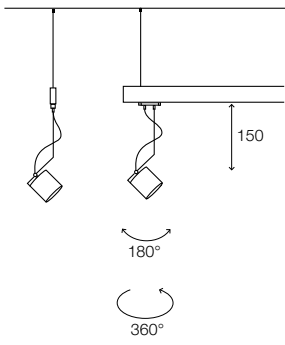


mr16
without shade

37620

258,00

together with light sources:
VIVID LED MR16



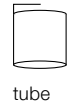
flex

directional spotlight system: ceiling, pend, in

shade

article no.

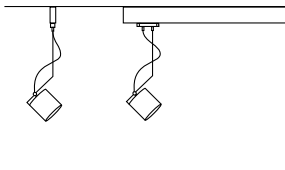
€ Euro



- 32102 a
- 32102 w
- 32102 b

194,00

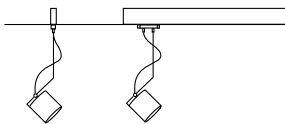
together with light sources:
VIVID LED MR16



- 32103 a
- 32103 w
- 32103 b
- 32103 p

197,00

together with light sources:
VIVID LED MR16



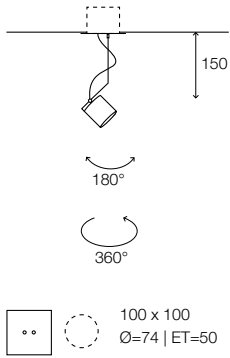
flex



flex mono



Design: Hans Buschfield



flex mono recessed

directional spotlight system: mono

shade

article no.

€ Euro



- 28302 a
- 28302 w
- 28302 b

235,00

together with light sources:
VIVID LED MR16

tube

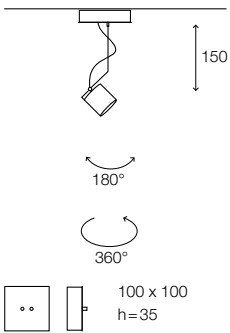


- 28303 a
- 28303 w
- 28303 b
- 28303 p

242,00

together with light sources:
VIVID LED MR16

point



flex mono surface-mounted

directional spotlight system: mono

shade

article no.

€ Euro



- 29302 a
- 29302 w
- 29302 b

453,00

together with light sources:
VIVID LED MR16

tube



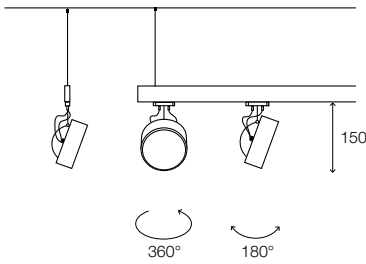
- 29303 a
- 29303 w
- 29303 b
- 29303 p

456,00

together with light sources:
VIVID LED MR16

point

The Flex Mono version for recessed mounting is supplied with wall box and cover plate. The power supply must be ordered separately (page 82). The surface-mounted version is supplied with an integral electronic power supply. Flex Mono spotlights cannot be mounted on walls.



max

directional spotlight system: pend, ceiling, in, rondo

shade

article no.

€ Euro

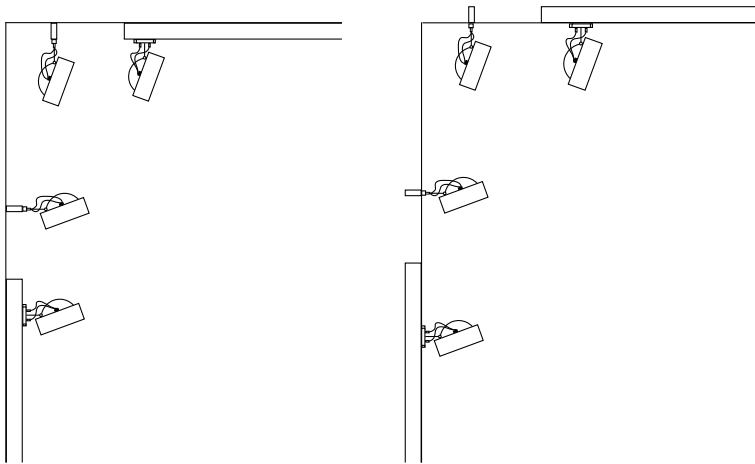


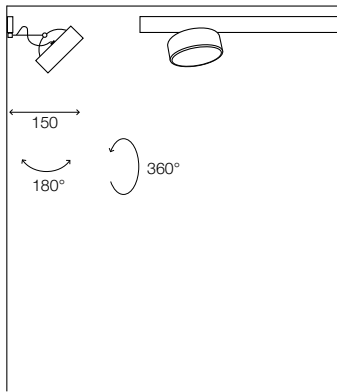
disc 111

- 60050 a
- 60050 w
- 60050 b

218,00

together with light sources:
VIVID LED AR111





max-w

directional spotlight system: wall

shade

article no.

€ Euro

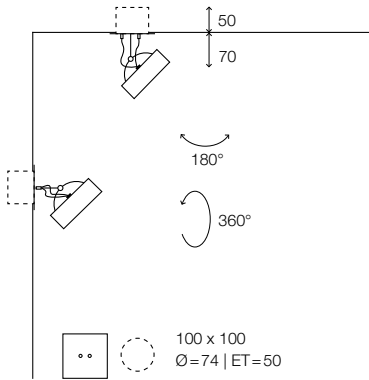
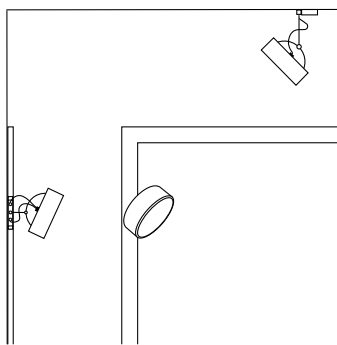


disc 111

- 60051 a
- 60051 w
- 60051 b

221,00

together with light sources:
VIVID LED AR111



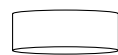
max mono recessed

directional spotlight system: mono

shade

article no.

€ Euro



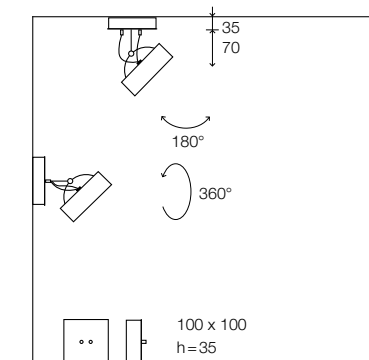
disc 111

- 25050 a
- 25050 w
- 25050 b

226,00

together with light sources:
VIVID LED AR111

Recessed version supplied with wall box and cover plate.
Power supply must be ordered separately (page 82).



max mono surfaced-mounted

directional spotlight system: mono

shade

article no.

€ Euro



disc 111

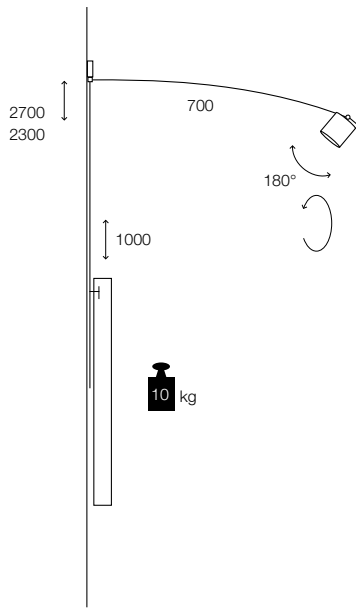
- 26050 a
- 26050 w
- 26050 b

427,00

together with light sources:
VIVID LED AR111

Surface-mounted version with integral power supply.





poster

picture luminaire system: wall

shade

article no.

€ Euro



tube

- 12202 a
- 12202 w
- 12202 b

230,00

together with light sources:
VIVID LED MR16

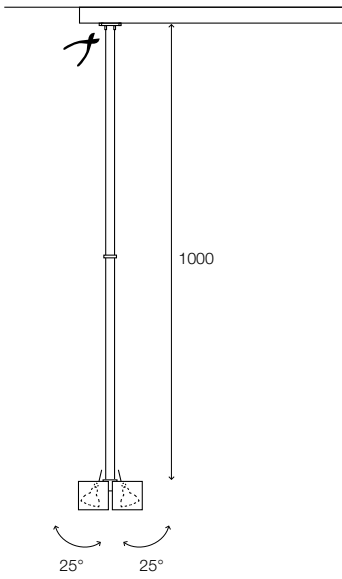


point

- 12203 a
- 12203 w
- 12203 b
- 12203 p

232,00

together with light sources:
VIVID LED MR16



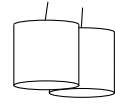
pinpin

table and counter luminaire system: pend, ceiling, in

shade

article no.

€ Euro



pinpin

- 33000 a
- 33000 w
- 33000 b

358,00

together with light sources:
VIVID LED MR16



pinpin

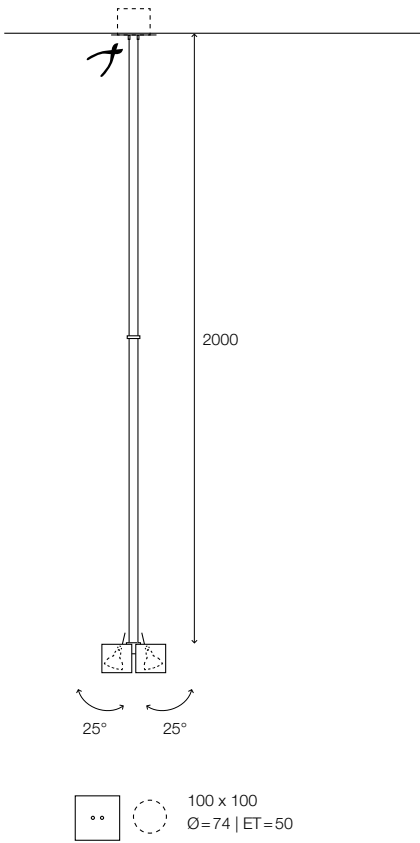


pinpin mono




Design: Hans Buschfield

2404-222



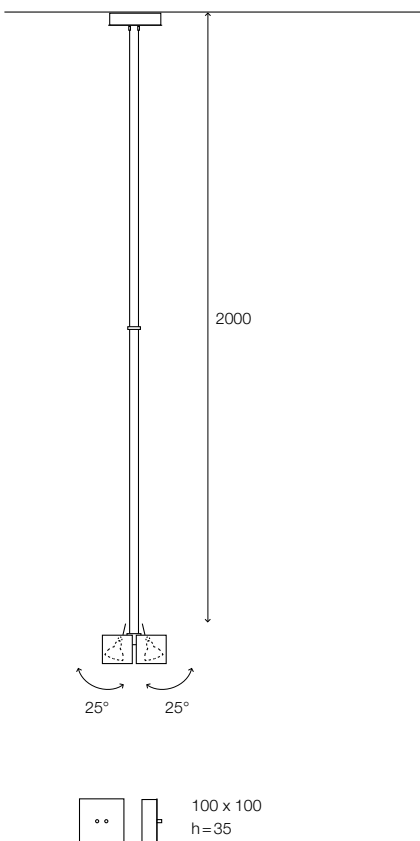
pinpin mono recessed

table and counter luminaire system: mono

shade	article no.	€ Euro
 pinpin	● 25000 a	383,00
	○ 25000 w	
	● 25000 b	

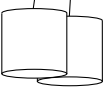
together with light sources:
VIVID LED MR16

Recessed version supplied with wall box and cover plate.
Power supply must be ordered separately (page 82).



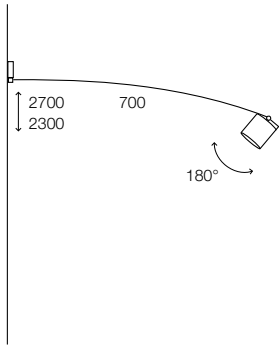
pinpin mono surfaced-mounted

table and counter luminaire system: mono

shade	article no.	€ Euro
 pinpin	● 26000 a	595,00
	○ 26000 w	
	● 26000 b	

together with light sources:
VIVID LED MR16

Surface mounted version with integral power supply.



shop

wall and shelf luminaire system: wall, in

shade

article no.

€ Euro

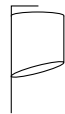
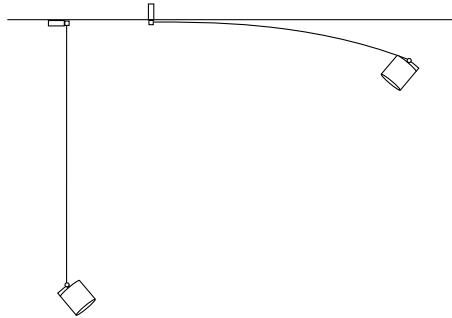


tube

- 15102 a
- 15102 w
- 15102 b

194,00

together with light sources:
VIVID LED MR16

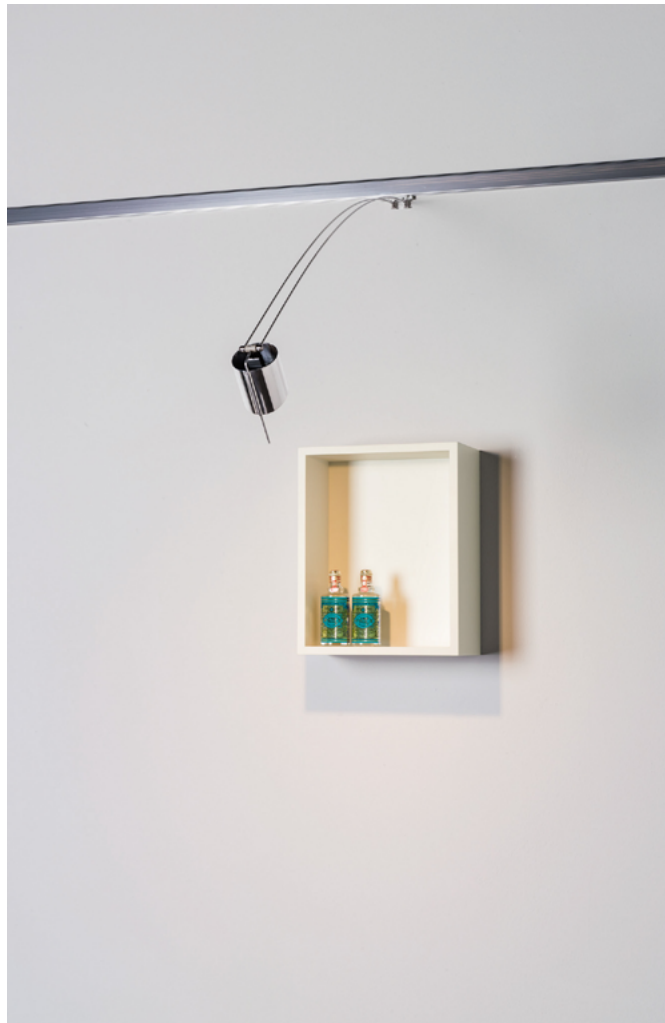


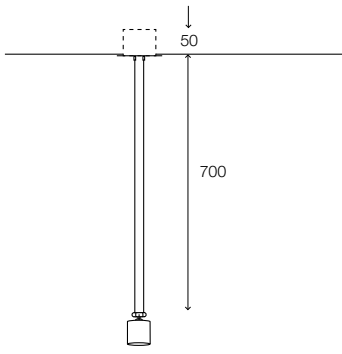
point

- 15103 a
- 15103 w
- 15103 b
- 15103 p

197,00

together with light sources:
VIVID LED MR16





shop mono recessed

wall and shelf luminaire system: mono

shade

article no.

€ Euro

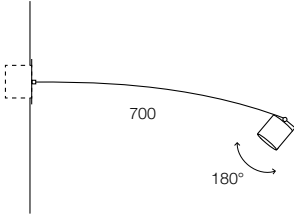


tube

- 25302 a
- 25302 w
- 25302 b

216,00

together with light sources:
VIVID LED MR16



100 x 100
Ø=74 | ET=50



point

- 25303 a
- 25303 w
- 25303 b
- 25303 p

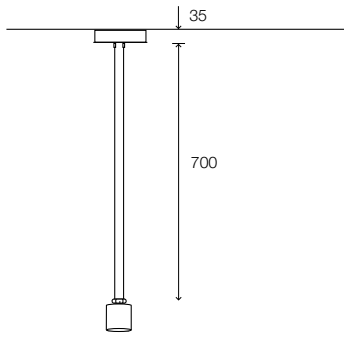
218,00

together with light sources:
VIVID LED MR16

Recessed version supplied with wall box and cover plate.
Power supply must be ordered separately (page 82).



shop mono



shop mono surfaced-mounted

wall-mounted and pendant luminaire system: mono

shade

article no.

€ Euro

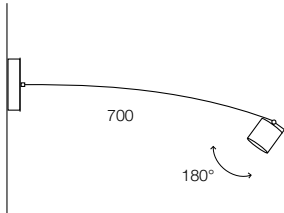


tube

- 26302 a
- 26302 w
- 26302 b

416,00

together with light sources:
VIVID LED MR16



100 x 100
h=35



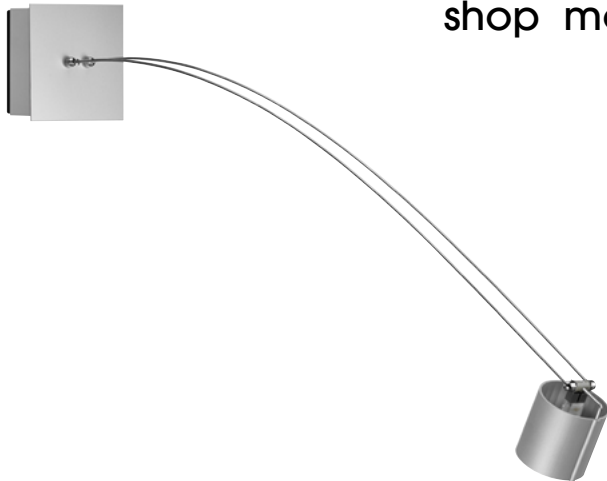
point

- 26303 a
- 26303 w
- 26303 b
- 26303 p

419,00

together with light sources:
VIVID LED MR16

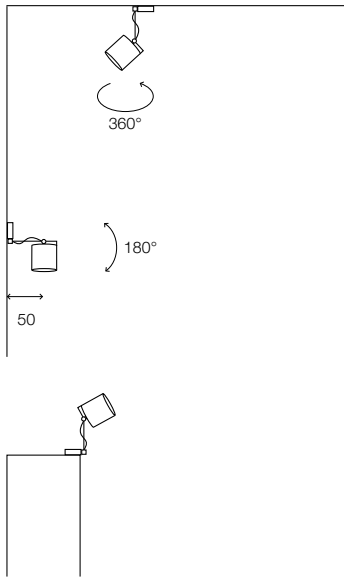
Surface-mounted version with integral power supply.



shop mono



Design: Hans Buschfield



shop-w

wall-mounted luminaire system: wall

shade

article no.

€ Euro



tube

- 35951 a
- 35951 w
- 35951 b

172,00

together with light sources:
VIVID LED MR16



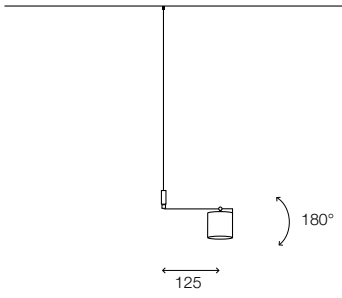
point

- 35953 a
- 35953 w
- 35953 b
- 35953 p

175,00

together with light sources:
VIVID LED MR16





shop 13

project luminaire system: rondo

shade

article no.

€ Euro

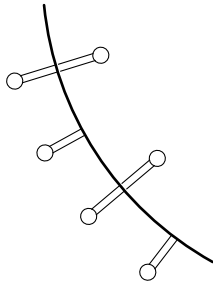


tube

- 35102 a
- 35102 w
- 35102 b

181,00

together with light sources:
VIVID LED MR16



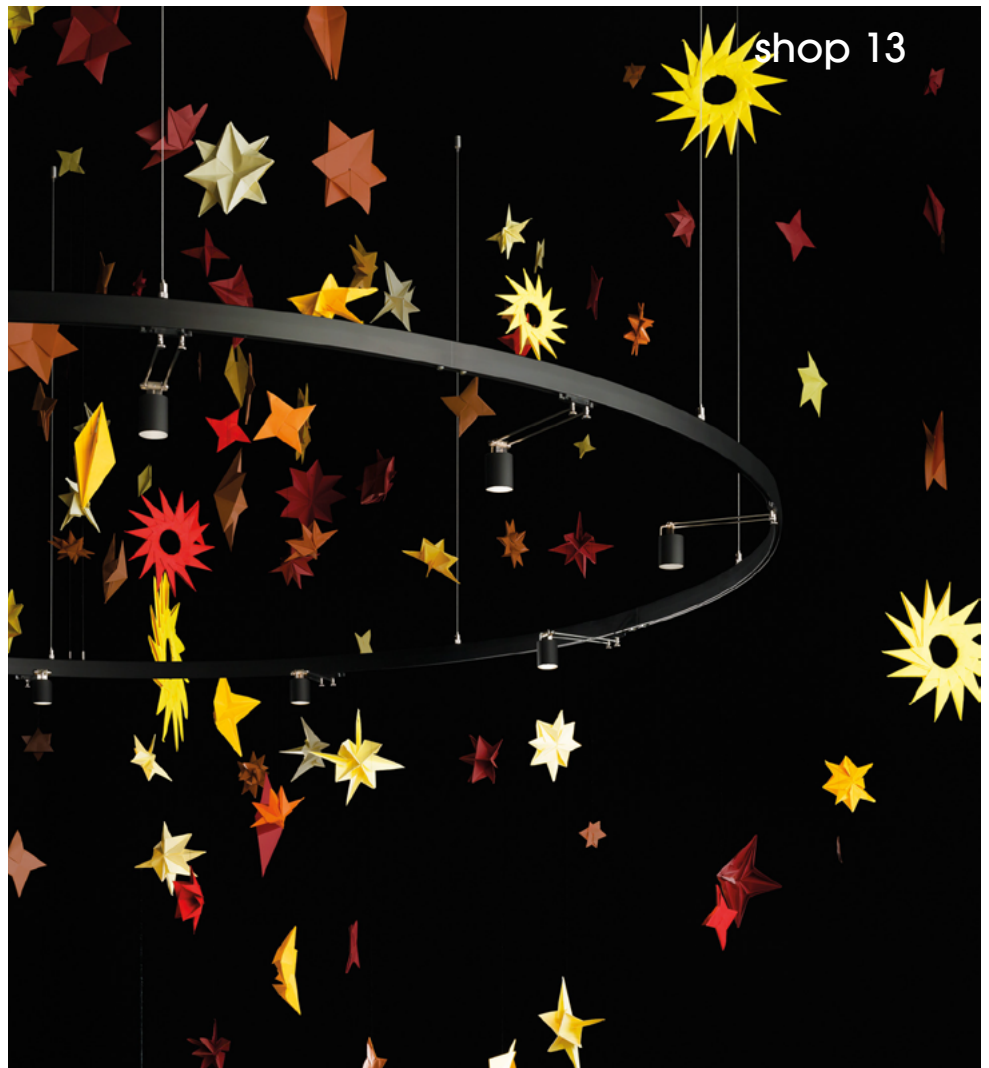
mr16
without shade

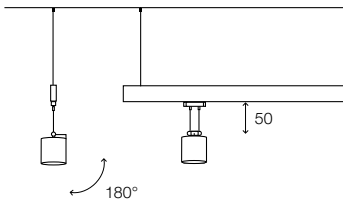
35100

159,00

together with light sources:
VIVID LED MR16

in combination with Balance 25





shop-v 5

wall and shelf luminaire system: pend, ceiling, in, rondo, wall*

shade

article no.

€ Euro

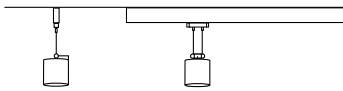


tube

- 35302 a
- 35302 w
- 35302 b

174,00

together with light sources:
VIVID LED MR16

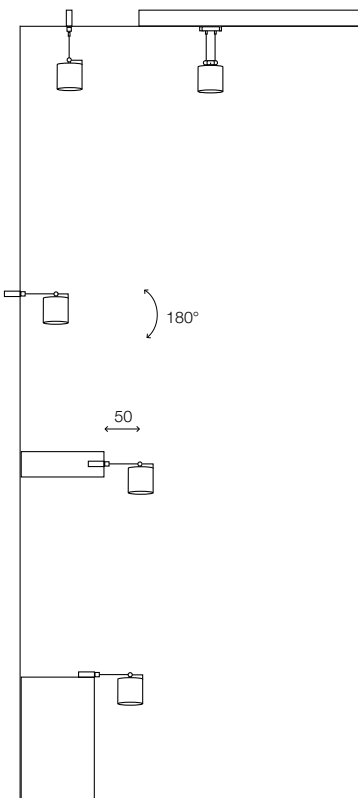


mr16
without shade

35300

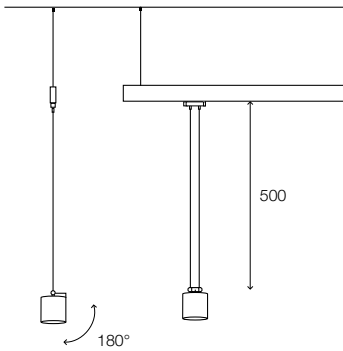
149,00

together with light sources:
VIVID LED MR16



**wall applied for a custom solution, e.g. for mounting on/in furniture





shop-v 50

wall and pendant luminaire system: pend, ceiling, in, wall*

shade

article no.

€ Euro

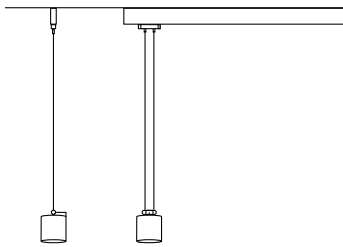


tube

- 35352 a
- 35352 w
- 35352 b

194,00

together with light sources:
VIVID LED MR16

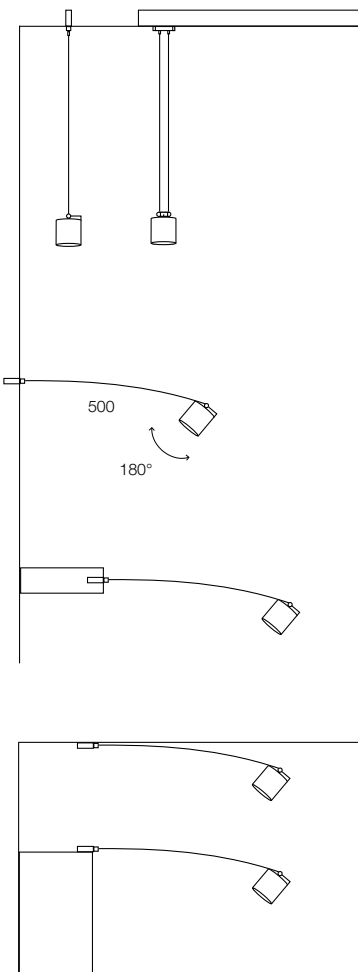


point

- 35353 a
- 35353 w
- 35353 b
- 35353 p

197,00

together with light sources:
VIVID LED MR16

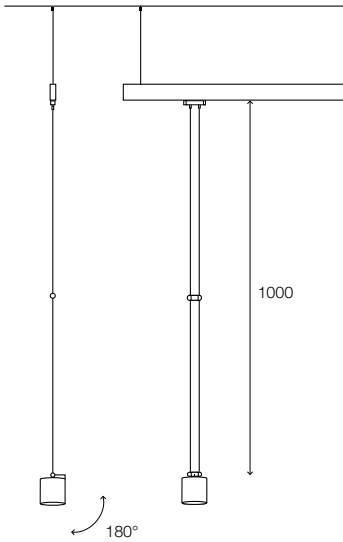


*wall applied for a custom solution: ceiling-mounted, and mounted on/in furniture



Design: Hans Buschfield

2404-222



shop-v 100

table and counter luminaire system: pend, ceiling, in

shade

article no.

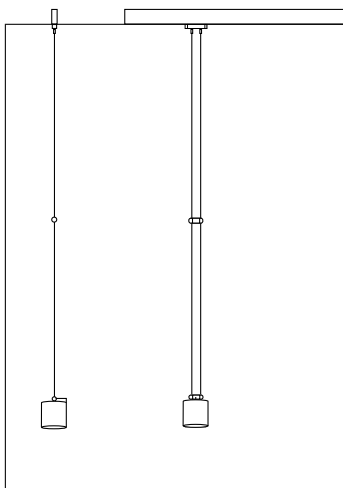
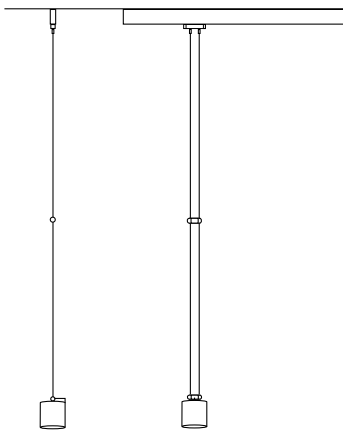
€ Euro

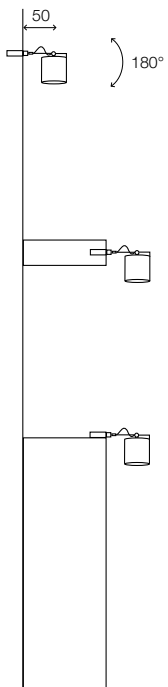
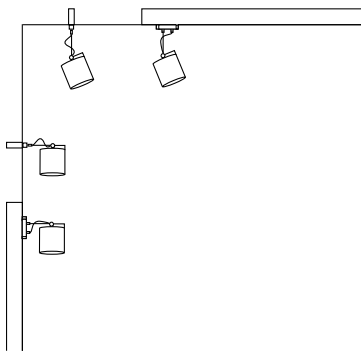
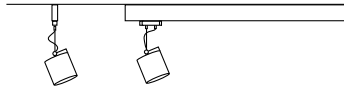
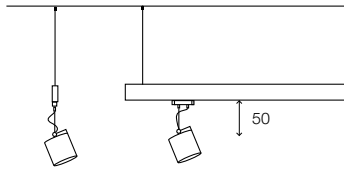


- 35602 a
- 35602 w
- 35602 b

219,00

together with light sources:
VIVID LED MR16





spot 5

directional spotlight system: pend, ceiling, in, rondo

shade

article no.

€ Euro



tube

- 32402 a
- 32402 w
- 32402 b

174,00

together with light sources:
VIVID LED MR16

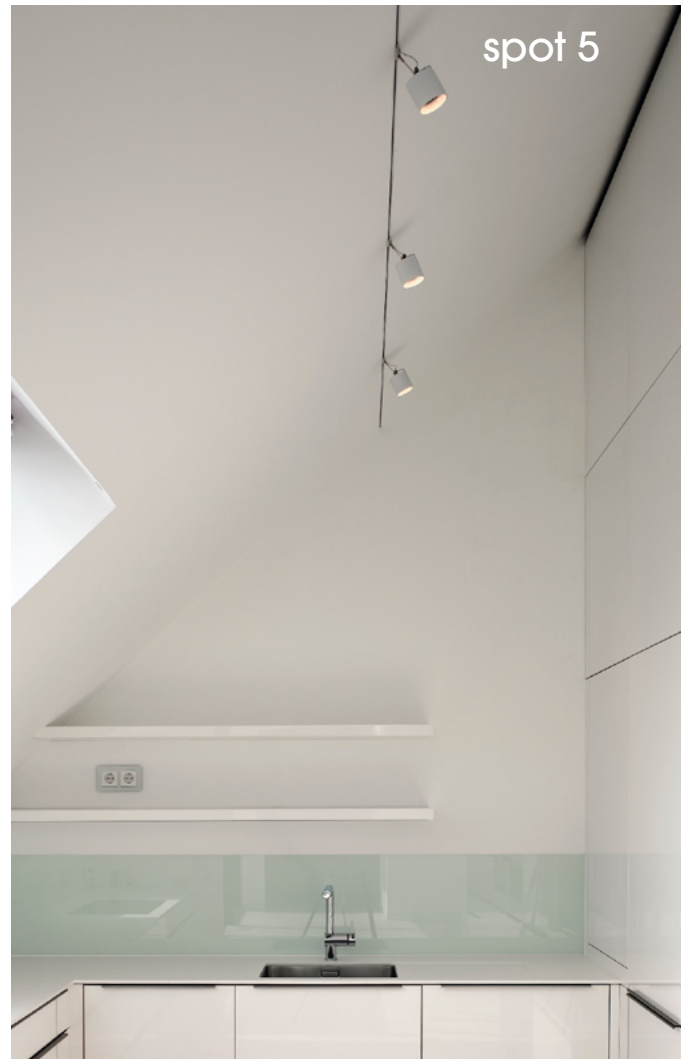


point

- 32403 a
- 32403 w
- 32403 b
- 32403 p

178,00

together with light sources:
VIVID LED MR16



light sources



VIVID LED MR16

LED lamp QR-CBC51, GU5.3

for shade types

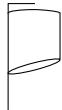
- Ø 50 mm, L = 45,5 mm
- single source LED with single shadow for enhanced perception of textures and materials
- precise light distribution with very little spill
- CRI: $R_a > 95$ and $R_g \geq 95$
- excellent colour stability
- excellent white colour rendering
- long lifespan with 35000 h or 50 TSD switching cycles
- no UV/infrared radiation
- automatic power reduction in the event of overheating
- dimmable (observe recommended dimming levels!) to 20 %
- ignition time <0,2 secs
- energy efficiency class G

- Lux¹ = illuminance at the centre of the light source measured at the respective distance
- Lux² = illuminance at the edge of the beam of light

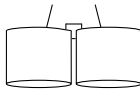
Technical data subject to change.
Current product specifications can be found at www.soraa.com



tube



point



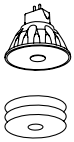
pinpin

technical data

7,5 W/25° 2700				7,5 W/36° 2700			
m	Ømm	Lux ¹	Lux ²	m	Ømm	Lux ¹	Lux ²
1	400	2260	1130	1	600	1070	535
2	900	565	283	2	1300	268	134
04-306				04-307			
9 W/25° 2700				9 W/36° 2700			
m	Ømm	Lux ¹	Lux ²	m	Ømm	Lux ¹	Lux ²
1	400	2570	1285	1	600	1210	605
2	900	642	321	2	1300	302	151
04-330				04-331			
7,5 W/25° 3000				7,5 W/36° 3000			
m	Ømm	Lux ¹	Lux ²	m	Ømm	Lux ¹	Lux ²
1	400	2400	1200	1	600	1130	565
2	900	600	300	2	1300	282	141
04-314				04-315			
9 W/25° 3000				9 W/36° 3000			
m	Ømm	Lux ¹	Lux ²	m	Ømm	Lux ¹	Lux ²
1	400	2700	1350	1	600	1280	640
2	900	675	338	2	1300	320	160
04-334				04-335			

Kelvin	lumen	lm/W	wattage beam angle	neadcode	article no.	€ Euro
2700 K	410	55	7,5 W/25°	00931	04-306	34,00
2700 K	410	55	7,5 W/36°	00943	04-307	34,00
2700 K	465	52	9 W/25°	00955	04-330 *	39,50
2700 K	465	52	9 W/36°	00963	04-331 *	39,50
3000 K	435	58	7,5 W/25°	00935	04-314	34,00
3000 K	435	58	7,5 W/36°	00947	04-315	34,00
3000 K	490	54	9 W/25°	00959	04-334 *	39,50
3000 K	490	54	9 W/36°	00967	04-335 *	39,50

* not to be used in recessed downlights or enclosed housings



VIVID LED MR16 Snap system

LED lamp QR-CBC51, GU5.3

- Ø 50 mm, L = 45,5 mm
- single source LED with single shadow for enhanced perception of textures and materials
- precise light distribution with very little spill
- CRI: $R_a > 95$ and $R_g \geq 95$
- excellent colour stability
- excellent white colour rendering
- long lifespan with 35000 h or 50 TSD switching cycles
- no UV/infrared radiation
- automatic power reduction in the event of overheating
- dimmable (observe recommended dimming levels!) to 20 %
- ignition time <0,2 secs
- energy efficiency class G

In addition to the above-mentioned features this 10° LED light source disposes over a self-centering magnet which allows a wide range of filters or honeycomb louvres to be clicked into place without tools. It is also possible to adjust the beam angle simply from 10° to 36°, for example, and to change the shape of the beam from circular to rectangular. The Snap system cuts down storage costs, given that only one type of light source needs to be ordered and used for multiple applications. Maximum flexibility up to the time of installation. Filters can be applied on a temporary basis for effect. Different combinations of filters can be applied. 10 % brightness loss should be reckoned for every filter applied.

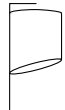
- Lux¹ = illuminance at the centre of the light source measured at the respective distance
- Lux² = illuminance at the edge of the beam of light

Technical data subject to change.
Current product specifications can be found at www.soraa.com

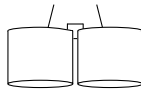
for shade types



tube



point



pinpin

technical data

7,5 W/10° 2700			
m	Ømm	Lux ¹	Lux ²
1	200	5710	2855
2	300	1428	714

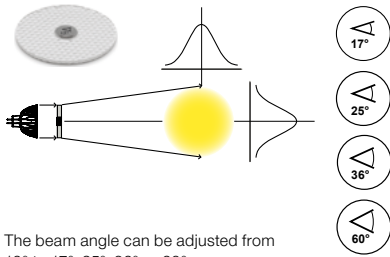
04-328

7,5 W/10° 3000			
m	Ømm	Lux ¹	Lux ²
1	200	6000	3000
2	300	1500	750

04-332

Kelvin	lumen	lm/W	wattage beam angle	neadcode	article no.	€ Euro
2700 K	390	52	7,5 W/10°	00919	04-328	34,00
3000 K	410	55	7,5 W/10°	00923	04-332	34,00

More information on Snap system filters can be found on the following pages.

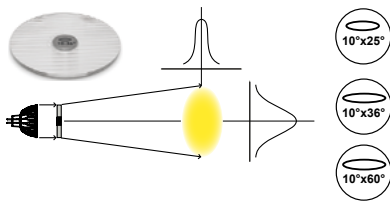


The beam angle can be adjusted from 10° to 17°, 25°, 36° or 60°.
 Ø 50 mm, T = 2 mm

beam angle circular

accessories for VIVID LED MR16 (12 V) and fifty (48 V) with Snap System

beam angle	neadcode	article no.	€ Euro
17°	03263	409	7,00
25°	00325	410	7,00
36°	00327	411	7,00
60°	00329	412	7,00

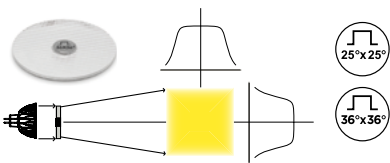


For the creation of asymmetric light beams, in particular for the illumination of linear objects. Given the oval shape of the light beam from just one light source per exhibit, fewer luminaires are required.
 Ø 50 mm, T = 2 mm

beam angle oval

accessories for VIVID LED MR16 (12 V) and fifty (48 V) with Snap System

beam angle	neadcode	article no.	€ Euro
10° x 25°	00331	413	11,00
10° x 36°	00333	414	11,00
10° x 60°	03259	418	11,00

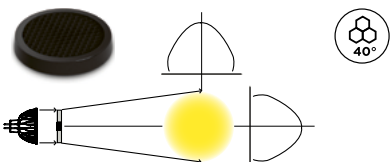


The circular shape of the 10° light beam is modified to generate a rectangular shaped beam: for square light fields on walls and floors. Uniform spread of light across the designated surface. No fading light along the edges.
 Ø 50 mm, T = 2 mm

beam angle rectangular

accessories for VIVID LED MR16 (12 V) and fifty (48 V) with Snap System

beam angle	neadcode	article no.	€ Euro
25° x 25°	00335	415	11,00
36° x 36°	00337	416	11,00

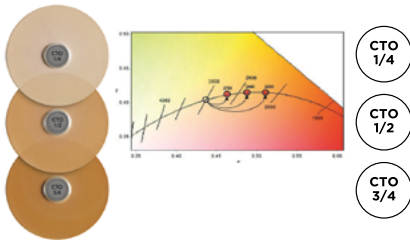


For glare control
 Ø 51.1 mm, T = 9 mm

honeycomb louvre

accessories for VIVID LED MR16 (12 V) and fifty (48 V) with Snap System

beam angle	neadcode	article no.	€ Euro
40°	00339	417	11,00



For shifting the colour temperature to simulate dimmable warm white lighting conditions. Also on a temporary basis, for example on festive occasions.
 Ø 50 mm, T=2 mm

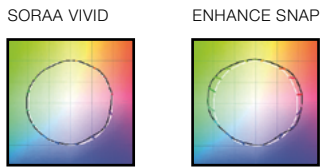
Effect achieved:

Initial colour temp.	1/4 CTO	1/2 CTO	3/4 CTO
2700 K	2450 K	2200 K	2000 K
3000 K	2700 K	2400 K	2200 K

shifting colour temperature

accessories for VIVID LED MR16 (12 V) and fifty (48 V) with Snap System

CTO	neadcode	article no.	€ Euro
Colour Temperature Orange			
1/4	00323	400	11,00
1/2	00321	401	11,00
3/4	00319	402	11,00



Filter for enhanced colour quality. Increases the vibrance of warm colours (red, orange and pink) and green. Ideal for applications where different colours need to be rendered perfectly. Underscores the richness of colours.
 Ø 50 mm, T=2 mm

colour enhancement filter

accessories for VIVID LED MR16 (12 V) and fifty (48 V) with Snap System

neadcode	article no.	€ Euro
03281	405	32,00

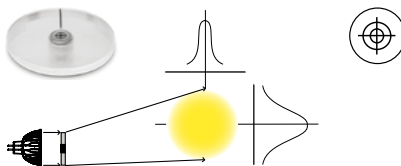


For application with coloured foil or dichroic filters to generate special atmospheres or effects.
 Ø 50 mm, T=2 mm

transparent filter

accessories for VIVID LED MR16 (12 V) and fifty (48 V) with Snap System

neadcode	article no.	€ Euro
02183	403	6,50

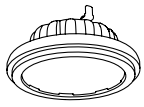


Using two rotatable filter discs, the filter can change the beam spread from 0° to 20° without changing the colour temperature or the beam shape.
 Ø 50 mm, T=2 mm

filter disc

accessories for VIVID LED MR16 (12 V) and fifty (48 V) with Snap System

neadcode	article no.	€ Euro
03255	404	13,50



VIVID LED AR111

aluminium lamp QR111, GU53

for shade types

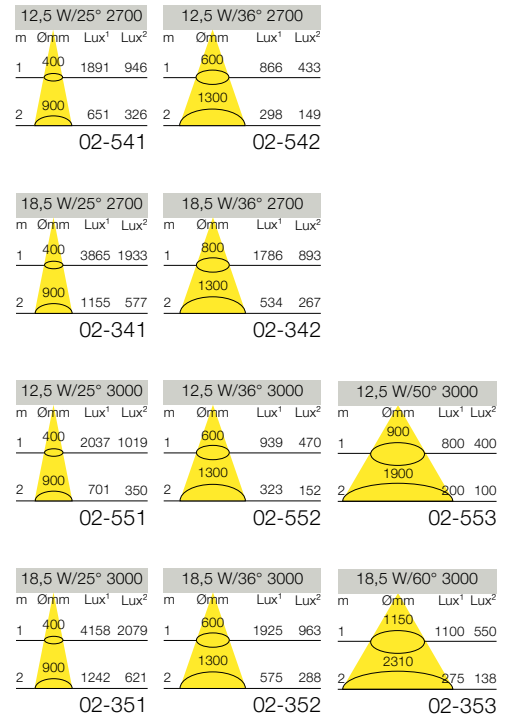


disc 111

- Ø 111 mm, L = 57 mm
- single source LED with single shadow for enhanced perception of textures and materials
- precise light distribution with very little spill
- Ra > 95 and R9 ≥ 95
- excellent colour stability
- excellent white colour rendering
- long lifespan with 35000 h or 50 TSD switching cycles
- no UV/infrared radiation
- automatic power reduction in the event of overheating
- dimmable (observe recommended dimming levels!) to 20 %
- ignition time <0,2 secs
- Lux¹ = illuminance at the centre of the light source measured at the respective distance
- Lux² = illuminance at the edge of the beam of light
- energy efficiency class G

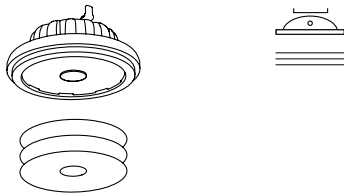
Technical data subject to change.
Current product specifications can be found at www.soraa.com

technical data



Kelvin	lumens	lm/W	wattage beam angle	neadcode	article no.	€ Euro
2700 K	575	46	12,5 W/25°	01429	02-541	61,50
2700 K	575	46	12,5 W/36°	01431	02-542	61,50
2700 K	930	50	18,5 W/25°	01027	02-341	70,50
2700 K	930	50	18,5 W/36°	01029	02-342	70,50
3000 K	620	50	12,5 W/25°	01445	02-551	61,50
3000 K	620	50	12,5 W/36°	01447	02-552	61,50
3000 K	620	50	12,5 W/50°	01449	02-553 *	61,50
3000 K	1000	54	18,5 W/25°	01043	02-351	70,50
3000 K	1000	54	18,5 W/36°	01045	02-352	70,50

* discontinued product



VIVID LED AR111 Snap system

aluminium lamp QR111, GU53

for shade types



disc 111

- Ø 111 mm
- single source LED with single shadow for enhanced perception of textures and materials
- precise light distribution with very little spill
- Ra > 95 and R9 ≥ 95
- excellent colour stability
- excellent white colour rendering
- long lifespan with 35000 h or 50 TSD switching cycles
- no UV/infrared radiation
- automatic power reduction in the event of overheating
- dimmable (observe recommended dimming levels!) to 20 %
- ignition time <0,2 secs
- energy efficiency class G

In addition to the above-mentioned features of the AR 111, these 8° or 9° LED light sources dispose over a self-centering magnet which allows a wide range of filters or honeycomb louvres to be clicked into place without tools. It is also possible to adjust the beam angle simply from 8°/9° to 36°, for example, and to change the shape of the beam from circular to rectangular.

The Snap system cuts down storage costs, given that only one type of light source needs to be ordered and used for multiple applications. Maximum flexibility up to the time of installation. Filters can be applied on a temporary basis for effect. Different combinations of filters can be applied. 10 % brightness loss should be reckoned for every filter applied.

- Lux¹ = illuminance at the centre of the light source measured at the respective distance
- Lux² = illuminance at the edge of the beam of light

Technical data subject to change. Current product specifications can be found at www.soraa.com

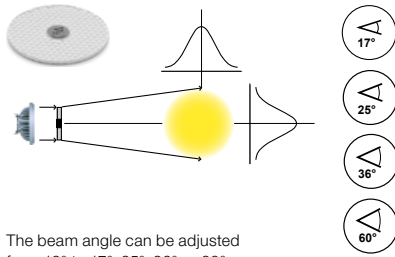
technical data

12,5 W/8° 2700				18,5 W/9° 2700			
m	Ømm	Lux ¹	Lux ²	m	Ømm	Lux ¹	Lux ²
1	100	9467	4734	1	200	17248	8624
2	300	3259	1630	2	300	5152	5276
02-540				02-340			

12,5 W/8° 3000				18,5 W/9° 3000			
m	Ømm	Lux ¹	Lux ²	m	Ømm	Lux ¹	Lux ²
1	100	10211	5106	1	200	18557	9279
2	300	3515	1758	2	300	5543	2772
02-550				02-350			

Kelvin	lumens	lm/W	wattage beam angle	neadcode	article no.	€ Euro
2700 K	575	46	12,5 W/8°	01427	02-540	57,50
2700 K	930	50	18,5 W/9°	01025	02-340	66,00
3000 K	620	50	12,5 W/8°	01443	02-550	57,50
3000 K	1000	54	18,5 W/9°	01041	02-350	66,00

More information on Snap system filters can be found on the following pages.

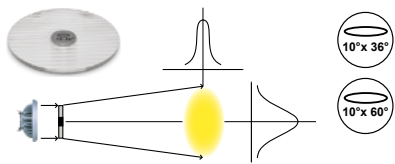


The beam angle can be adjusted from 10° to 17°, 25°, 36° or 60°.
 Ø 84 mm, T=3.1 mm

beam angle circular

accessories for VIVID LED AR111 (12 V) and ninety-five (48 V) with Snap System

beam angle	neadcode	article no.	€ Euro
17°	03265	439	9,50
25°	01145	440	9,50
36°	01147	441	9,50
60°	01149	442	9,50

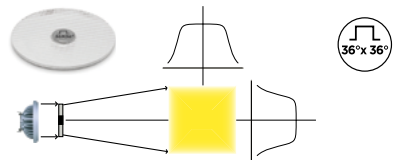


For the creation of asymmetric light beams, in particular for the illumination of linear objects. Given the oval shape of the light beam from just one light source per exhibit, fewer luminaires are required.
 Ø 84 mm, T=3.1 mm

beam angle oval

accessories for VIVID LED AR111 (12 V) and ninety-five (48 V) with Snap System

beam angle	neadcode	article no.	€ Euro
10° x 36°	01595	444	19,00
10° x 60°	03261	445	19,00

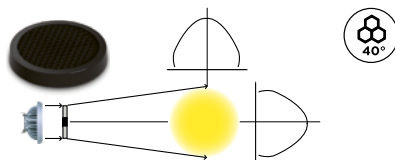


The circular shape of the 10° light beam is modified to generate a rectangular shaped beam: for square light fields on walls and floors. Uniform spread of light across the designated surface. No light fade along the edges.
 Ø 84 mm, T=3.1 mm

beam angle rectangular

accessories for VIVID LED AR111 (12 V) and ninety-five (48 V) with Snap System

beam angle	neadcode	article no.	€ Euro
36° x 36°	01597	451	19,00

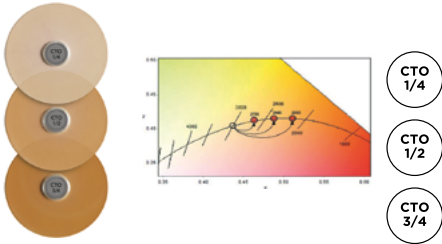


For glare control
 Ø 84 mm, T=9 mm

honeycomb louvre

accessories for VIVID LED AR111 (12 V) and ninety-five (48 V) with Snap System

beam angle	neadcode	article no.	€ Euro
40°	01151	447	19,00



For shifting the colour temperature to simulate dimmable warm white lighting conditions. Also on a temporary basis, for example on festive occasions.
 Ø 84 mm, T=3.1 mm

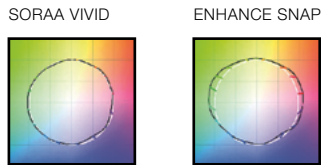
Effect achieved:

Initial colour temp.	1/4 CTO	1/2 CTO	3/4 CTO
2700 K	2450 K	2200 K	2000 K
3000 K	2700 K	2400 K	2200 K

shifting colour temperature

accessories for VIVID LED AR111 (12 V) and ninety-five (48 V) with Snap System

CTO	neadcode	article no.	€ Euro
Colour Temperature Orange			
1/4	01153	430	19,00
1/2	01155	431	19,00
3/4	01157	432	19,00



Filter for enhanced colour quality. Increases the vibrance of warm colours (red, orange and pink) and green. Ideal for applications where different colours need to be rendered perfectly. Underscores the richness of colours.
 Ø 84 mm, T=3.1 mm

colour enhancement filter

accessories for VIVID LED AR111 (12 V) and ninety-five (48 V) with Snap System

neadcode	article no.	€ Euro
03283	450	65,00

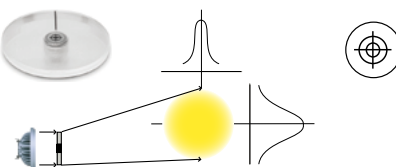


For application with coloured foil or dichroic filters to generate special atmospheres or effects.
 Ø 84 mm, T=3.1 mm

transparent filter

accessories for VIVID LED AR111 (12 V) and ninety-five (48 V) with Snap System

neadcode	article no.	€ Euro
02185	448	9,00



Using two rotatable filter discs, the filter can change the beam spread from 0° to 20° without changing the colour temperature or the beam shape.
 Ø 84 mm, T=3.1 mm

filter disc

accessories for VIVID LED AR111 (12 V) and ninety-five (48 V) with Snap System

neadcode	article no.	€ Euro
03257	449	17,50



ALULINE LED

LED reflector lamp QR-C38, B15d

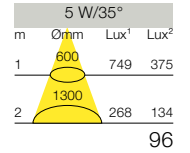
for shade types *

technical data

- 25000 h
- Ø 37 mm, L=42 mm
- LED retrofit light source
- colour rendering >92
- long lifespan
- no UV/infrared radiation
- dimmable
- energy efficiency class G



b15



- Lux¹ = illuminance at the centre of the light source measured at the respective distance
- Lux² = illuminance at the edge of the beam of light

Kelvin	Lumen	wattage beam angle	article no.	€ Euro
2700 K	240	5 W/35°	96	54,50

*Shade type b15 is no longer available.
Aluline LED for light source replacement

FILAMENT LED

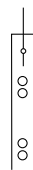
pin-base lamp LED, G4



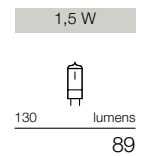
for shade types

technical data

- 25000h
- Ø 9 mm
- L = 20 mm
- 130 lumens (similar to 10W halogen)
- silicone encapsulation
- not dimmable
- energy efficiency class G

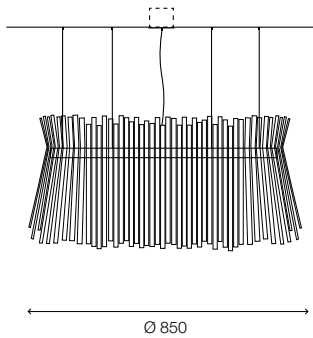


mirror luminaires



Kelvin	Lumen	wattage beam angle	article no.	€ Euro
3000 K	130	1,5 W/330°	89	7,50

Creative Collection

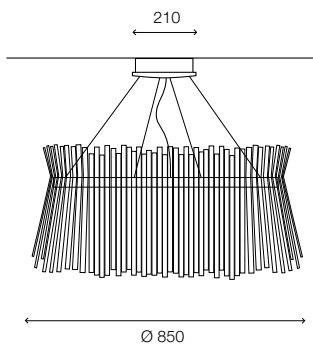
**rondo fano 1 | recessed**

chandelier

- Ø 850 mm
- 138 handmade transparent borosilicate glass elements
- 4 luminaires sourced with VIVID LEDs, 2700 K
- 4 upright suspension cables
- hollow wall box and cover plate
- incl. electronic transformer (170 x 45 x 35 mm) for concealed mounting

If required, Rondo Fano 1 can be supplied with more luminaires than those listed above. Other diameters are also possible.

Rondo Fano is offered project-related.

**rondo fano 1 | surface-mounted**

chandelier

- Ø 850 mm
- 138 handmade transparent borosilicate glass elements
- 4 luminaires sourced with VIVID LEDs, 2700 K
- with central cable suspension,
- from the ceiling canopy, 4 suspension cables
- ceiling unit (Ø 210 mm) with integral design transformer

If required, Rondo Fano 1 can be supplied with more luminaires than those listed above. Other diameters are also possible.

Rondo Fano is offered project-related.

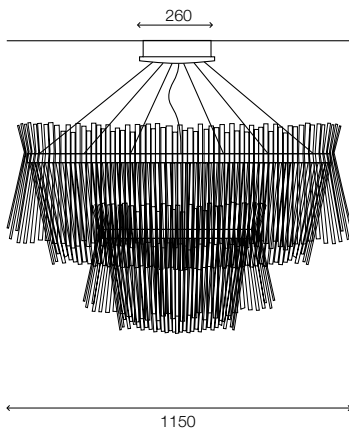
**rondo fano 2 | recessed**

chandelier

- Ø 1150 mm
- 6 luminaires sourced with VIVID LED, 2700 K
- 300 handmade transparent borosilicate glass elements
- 6 upright suspension cables
- hollow wall box and cover plate
- Incl. electronic transformer (170 x 45 x 35 mm) for concealed mounting

If required, Rondo Fano 2 can be supplied with more luminaires than those listed above. Other diameters are also possible.

Rondo Fano is offered project-related.

**rondo fano 2 | surface-mounted**

chandelier

- Ø 1150 mm
- 300 handmade transparent borosilicate glass elements
- 6 luminaires sourced with VIVID LED , 2700 K
- with central cable suspension,
- from the ceiling canopy, 6 suspension cables
- ceiling unit (Ø 260 mm) with integral design transformer

If required, Rondo Fano 2 can be supplied with more luminaires than those listed above. Other diameters are also possible.

Rondo Fano is offered project-related.

rondo fano 2



control gear

index

design control gear

	article no.	Wall	Pend	Ceiling	In	Mono
Box Wall 105 12 V	12-90610	•				
Box Wall 225 12 V	12-90624	•				
Cube Wall 300 12 V	12-90740	•				
Bigbox Wall 150 12 V	12-90626	•				
Bigbox Wall 264 12 V	12-90627	•				
Box Pend/Ceiling 105 12 V	12-90620		•	•		
Box Pend/Ceiling 225 12 V	12-90635		•	•		
Cube Pend/Ceiling 300 12 V	12-90725		•	•		
Bigbox Pend/Ceiling 150 12 V	12-90636		•	•		
Bigbox Pend/Ceiling 264 12 V	12-90637		•	•		


recessed control gear

	article no.	Wall	Pend	Ceiling	In	Mono
Tronic 60 12 V	12-90108					•
Tronic 75 12 V	12-90101					•
Tronic 105 12 V	12-90115	•	•	•	•	
Tronic 225 12 V	12-90159	•	•	•	•	
RK 300 12 V	12-90165	•	•	•	•	
MW 150 12 V	12-90143	•	•	•	•	
MW 264 12 V	12-90114	•	•	•	•	

Note on the control gear:

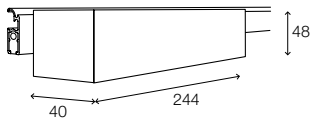
The lighting industry has rapidly changed in recent years. It switched from halogen to LED lamp technology. The **LightLight system** was originally developed for the use of halogen lamps. Today, LED retrofit lamps are used instead. As it has turned out, these cannot be dimmed properly with some control gear-dimmer combinations. The variety of possible combinations makes it impossible to make a reliable statement about the dimmability of a system. Noise can occur, the retrofit lamps flicker intermittently or they can only be dimmed down to a limited extent.

max permitted system length	 non-dimmable lighting system max. luminaires / Soraa® VIVID LED			
	7,5 W	9 W	12,5 W	18,5 W
	MR16		AR111	
2 m	1-6	1-5	1-4	1-3
2 m	3-11	3-8	2-8	1-6
15 m	1-35	1-30	1-17	1-11
15 m	1-16	1-13	1-9	1-6
15 m	1-23	1-19	1-14	1-10
2 m	1-6	1-5	1-4	1-3
2 m	3-11	3-8	2-8	1-6
15 m	1-35	1-30	1-17	1-11
15 m	1-16	1-13	1-9	1-6
15 m	1-23	1-19	1-14	1-10

max permitted system length	 non-dimmable lighting system max. luminaires / Soraa® VIVID LED			
	7,5 W	9 W	12,5 W	18,5 W
	MR16		AR111	
2 m	1-5	1-3	1-2	1-2
2 m	1-7	1-4	1-3	1-2
2 m	1-6	1-5	1-4	1-3
2 m	3-11	3-8	2-8	1-6
15 m	1-35	1-30	1-17	1-11
15 m	1-16	1-13	1-9	1-6
15 m	1-23	1-19	1-14	1-10

For this reason, we recommend using the LightLight system exclusively without dimming.

For dimmable and controllable lighting concepts, use our **48 V Sense System**, in which the control and operating devices are matched to each other for flawless operation of the LED lamps.



box wall 105 | 12 V




switching power supply system: wall

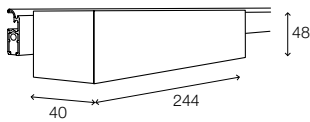
- PRI: 230 V | SEC: 11,5 V | AC-AC | 0 - 105 W
- switching power supply incorporated into a design housing
- with integral short circuit, overheating and overload protection, and soft start
- 2 end caps
- adapter feed included
- for system lengths of up to 2 m
- 0,3 kg



not dimmable

article no. € Euro

-  12-90610 a 282,00
-  12-90610 w
-  12-90610 b



box wall 225 | 12 V




switching power supply system: wall

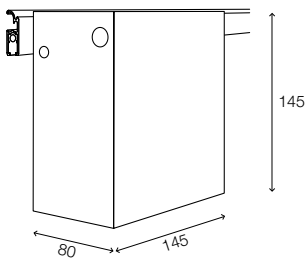
- PRI: 230 V | SEC: 11,5 V | AC-AC | 50 - 225 W
- switching power supply incorporated into a design housing
- with integral short circuit, overheating and overload protection, and soft start
- 2 end caps
- adapter feed included
- for system lengths of up to 2 m
- 0,3 kg



not dimmable

article no. € Euro

-  12-90624 a 393,00
-  12-90624 w
-  12-90624 b



cube wall 300 | 12 V




magnetic power supply unit system: wall

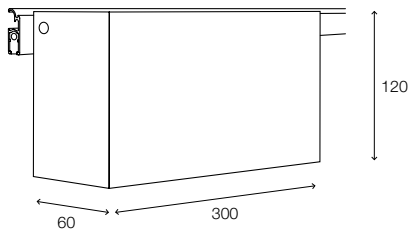
- PRI 230-240 V | SEC 11,5 V | AC-AC | 300 W
- safety transformer incorporated into a design housing
- with primary supply line transparent silver 0,5 m
- 2 end caps
- adapter feed included
- for system lengths of up to 15 m
- 4,5 kg



not dimmable

article no. € Euro

-  12-90740 a 561,00
-  12-90740 w
-  12-90740 b



bigbox wall 150 | 12 V




switching power supply system: wall

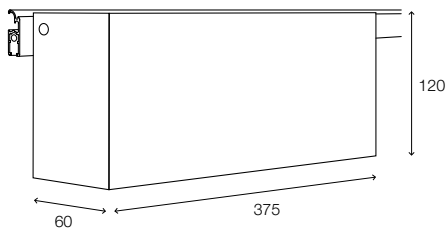
- PRI: 90-305 V AC or 127-431 V DC | SEC: 12 V DC | 150 W
- switching power supply incorporated into a design housing
- with integral short circuit, overheating and overload protection, and soft start
- with primary supply line transparent silver 0,5 m
- 2 end caps
- adapter feed included
- for system lengths of up to 15 m
- 3-core cable
- 2,2 kg



not dimmable

article no. € Euro

-  12-90626 a 486,00
-  12-90626 w
-  12-90626 b



bigbox wall 264 | 12 V




switching power supply system: wall

- PRI: 90-305 V AC or 127-431 V DC | SEC: 12 V DC | 264 W
- switching power supply incorporated into a design housing
- with integral short circuit, overheating and overload protection, and soft start
- with primary supply line transparent silver 0,5 m
- 2 end caps
- adapter feed included
- for system lengths of up to 15 m
- 3-core cable
- 3 kg

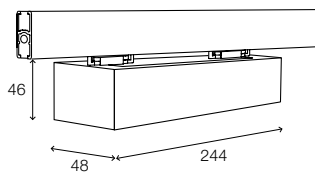


not dimmable

article no. € Euro

-  12-90627 a 561,00
-  12-90627 w
-  12-90627 b

Regarding the power supply units please note:
Dimmability and lighting control on a 48 V basis is available in our Sense System.



box pend/ceiling 105 | 12 V




switching power supply system: pend, ceiling

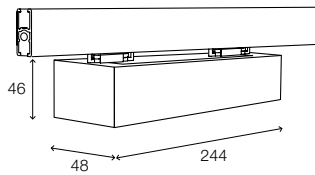
- PRI: 230 V | SEC: 11,5 V | AC-AC | 0 - 105 W
- switching power supply incorporated into a design housing
- with integral short circuit, overheating and overload protection, and soft start
- with primary supply line transparent silver 0,5 m
- 2 end caps
- adapter feed included
- for system lengths of up to 2 m
- 0,3 kg



not dimmable

article no. € Euro

-  12-90620 a 282,00
-  12-90620 w
-  12-90620 b



box pend/ceiling 225 | 12 V




switching power supply system: pend, ceiling

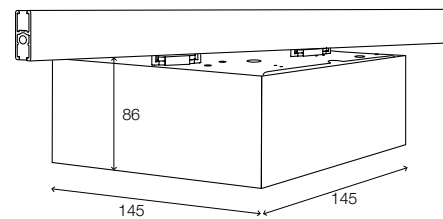
- PRI: 230 V | SEC: 11,5 V | AC-AC | 50 - 225 W
- switching power supply incorporated into a design housing
- with integral short circuit, overheating and overload protection, and soft start
- with primary supply line transparent silver 0,5 m
- 2 end caps
- adapter feed included
- for system lengths of up to 2 m
- 0,3 kg



not dimmable

article no. € Euro

-  12-90635 a 393,00
-  12-90635 w
-  12-90635 b



box pend/ceiling 300 | 12 V




magnetic power supply unit system: pend, ceiling

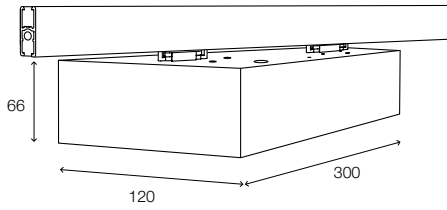
- PRI 230-240 V | SEC 11,5 V | AC-AC | 300 W
- safety transformer incorporated into a design housing
- with primary supply line transparent silver 0,5 m
- 2 end caps
- track-mounted: incl. adapter feed
- ceiling-mounted: with terminal power feed is not incl.
- for system lengths of up to 15 m
- 4,5 kg



not dimmable

article no. € Euro

-  12-90725 a 561,00
-  12-90725 w
-  12-90725 b

**box pend/ceiling 150 | 12 V**

switching power supply system: pend, ceiling

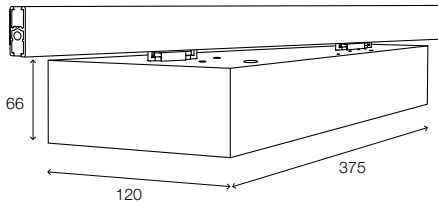
- PRI: 90-305 V AC or 127-431 V DC | SEC: 12 V DC | 150 W
- switching power supply incorporated into a design housing
- with integral short circuit, overheating and overload protection, and soft start
- with primary supply line transparent silver 0,5 m
- adapter feed included
- 2 end caps
- for system lengths of up to 15 m
- 3-core cable
- 2,2 kg



not dimmable

article no. € Euro

- 12-90636 a 486,00
- 12-90636 w
- 12-90636 b

**box pend/ceiling 264 | 12 V**

switching power supply system: pend, ceiling

- PRI: 90-305 V AC or 127-431 V DC | SEC: 12 V DC | 264 W
- switching power supply incorporated into a design housing
- with integral short circuit, overheating and overload protection, and soft start
- with primary supply line transparent silver 0,5 m
- adapter feed included
- 2 end caps
- for system lengths of up to 15 m
- 3-core cable
- 3 kg

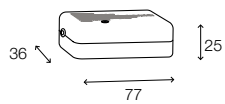


not dimmable

article no. € Euro

- 12-90637 a 561,00
- 12-90637 w
- 12-90637 b

Regarding the power supply units please note:
Dimmability and lighting control on a 48 V basis is available in our Sense System.
Mounting options (e.g. ceiling mounted) are possible.

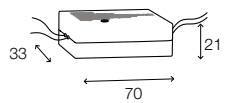
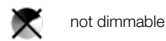


tronic 60 | 12 V

switching power supply system: mono

- PRI: 230 V | SEC: 11,5 V | AC-AC | 0 - 60 W
- with integral short circuit, overheating and overload protection, and soft start
- max. distance to MONO light 2 m
- for recessed mounting in hollow-section walls or ceilings
- LBH 77 x 36 x 25 mm
- 0,10 kg

article no.	€ Euro
12-90108	71,00

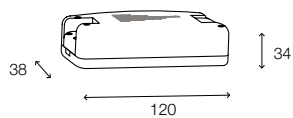
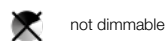


tronic 75 | 12 V

switching power supply system: mono

- PRI: 230 V | SEC: 11,5 V | AC-AC | 20 - 75 W
- with integral short circuit, overheating and overload protection, and soft start
- maximum distance between mono recessed luminaires: 2 m
- can be accommodated in mono installation housing
- not for ALULINE LED or FILAMENT LED
- LBH 70 x 33 x 21 mm; 0,11 kg

article no.	€ Euro
12-90101	71,00

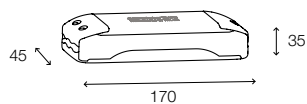
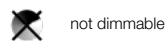


tronic 105 | 12 V

switching power supply system: wall, pend, ceiling, in

- PRI: 230 V | SEC: 11,5 V | AC-AC | 0 - 105 W
- with integral short circuit, overheating and overload protection, and soft start
- for secondary track lengths up to 2 m
- LBH 120 x 38 x 34 mm
- 0,14 kg

article no.	€ Euro
12-90115	78,00

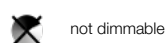


tronic 225 | 12 V

switching power supply system: wall, pend, ceiling, in

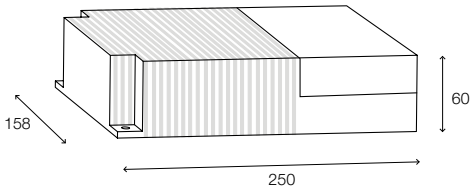
- PRI 230 V | SEC 11,8 V | AC-AC | 50-225 W
- with integral short circuit, overheating and overload protection, and soft start
- for secondary track lengths up to 2 m
- LBH 170 x 45 x 35 mm
- 0,23 kg

article no.	€ Euro
12-90159	187,00



Design: Hans Buschfield

2404-222



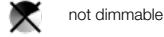
RK 300 | 12 V

magnetic safety transformer system: wall, pend, ceiling, in

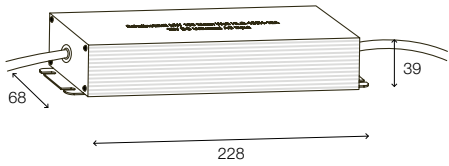
- PRI 230-240 V | SEC 11,5 V | AC-AC | 300 W
- for secondary track lengths up to 15 m
- LBH 250 x 158 x 60 mm
- 4,3 kg

article no. € Euro

12-90165 320,00



not dimmable



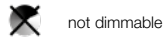
MW 150 | 12 V

switching power supply system: wall, pend, ceiling, in, rondo

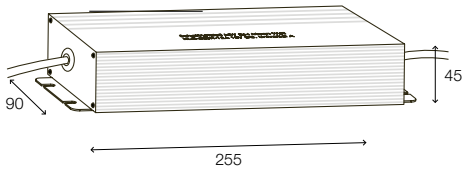
- PRI: 90-305 V AC or 127-431 V DC | SEC: 12 V DC | 150 W
- with integral short circuit, overheating and overload protection, and soft start
- for secondary track lengths up to 15 m
- LBH 228 x 68 x 39 mm
- 3-core cable
- 1,15 kg

article no. € Euro

12-90143 233,00



not dimmable



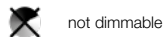
MW 264 | 12 V

switching power supply system: wall, pend, ceiling, in, rondo

- PRI: 90-305 V AC or 127-431 V DC | SEC: 12 V DC | 264 W
- with integral short circuit, overheating and overload protection, and soft start
- for secondary track lengths up to 15 m
- LBH 255 x 90 x 45 mm
- 3-core cable
- 1,9 kg

article no. € Euro

12-90114 320,00



not dimmable

stranded cable

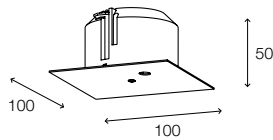


silver transparent, highly flexible incl.
4 cable end sleeves

	article no.	€ Euro
2 x 6 mm ² , running metre	90500	18,00
2 x 4 mm ² , running metre	90520	17,00
2 x 2,5 mm ² , running metre	90525	15,00

**recessed canopy
for power feed
by cable**

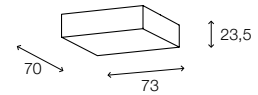
for LV cable connection or
HV mains connection,
cover plate 100 x 100
depth 50
diameter 74



article no.	€ Euro
● 93510	59,00
○ 93517	
● 93518	

**surface-mounted
canopy for power feed
by cable**

for LV cable connection or
HV mains connection,
70 x 73 x 24



article no.	€ Euro
● 93500	59,00
○ 93537	
● 93538	

Individual

individual lighting planning

Architecture and spatial layouts can be extremely complex, and lighting requirements therefore often of an exceptional nature. Buschfeld lighting systems are highly flexible.

Designed as modular systems, they lend themselves to the creation of appropriate, project-related solutions.

The track systems can be applied across the corners of a space, even combined vertically and horizontally. It is also possible to combine different systems, for example In and Pend, or Pend and Wall.

Support and assistance

Our LightLight systems provide you with far more combination options with regard to application, dimensions, colour and finishes than we can show you here.

We are happy to support you with your design ideas and planning. Just give us a call or send us an e-mail:

Tel.: +49 221 93764-0 info@buschfeld.de



rondo - ring-shaped luminaire

You want to design your own chandelier. LightLight Rondo is exactly the right modular low-voltage ring-shaped system you are looking for. LightLight Rondo is custom-made to suit your project, and based on our Pend and Ceiling systems. The individual rings of a given chandelier can be suspended on the same or vertically on different levels, or mounted directly onto the ceiling. Or the chandelier can be suspended from a central ceiling rose or canopy, if desired. LightLight rondo is designed to take any of the luminaires in the Pend or Ceiling range.

<https://buschfeld.de/en/how-it-works/88113>



freeforms - custom shapes

It could not be easier to adapt a LightLight solution to a particular spatial environment: free forms can be constructed from individual arch-shaped elements of different diameters (1000 mm minimum) and straight sections of track. The tracks can be curved upright or flat. Both pendant and ceiling-mounted versions are possible.

For the production of free-form shapes, we require a 1:1 plotted diagram. In this case too, the LightLight system is designed to take any of the luminaires in the Pend or Ceiling range.

<https://buschfeld.de/en/how-it-works/88114>



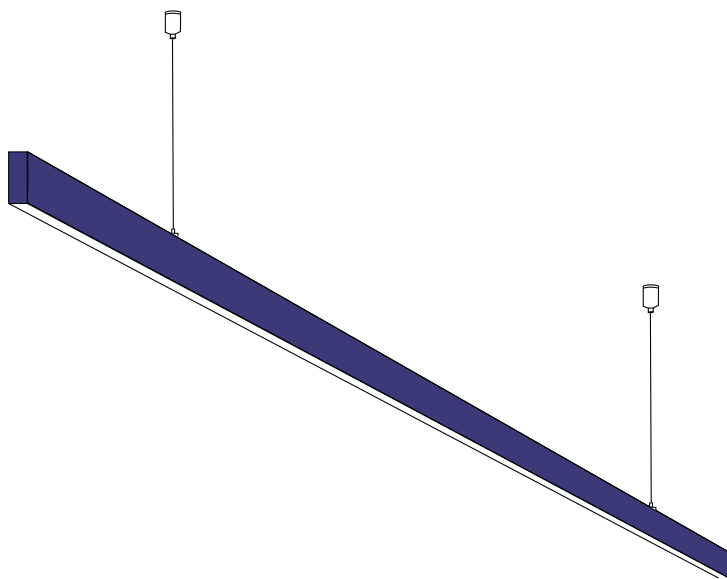
Photo: © Louis De Belle für Casatbuonsante Architects, Mailand

colour - custom colours


































All LightLight track and shades can be supplied in custom colours to RAL or NCS standards.

This enables further design highlights within the interior space: by applying LightLight in bold colours you can focus attention on the lighting concept - whereas subtle colours render LightLight practically invisible.

Custom anodised colours or gold leaf finishes can also be realised on request!



Examples of the colours available:

 RAL 9018	 RAL 1019	 RAL 3004	 RAL 4003	 RAL 5020	 RAL 7008
 RAL 1001	 RAL 1027	 RAL 3009	 RAL 4005	 RAL 5023	 RAL 7011
 RAL 1002	 RAL 1028	 RAL 3012	 RAL 4009	 RAL 6002	 RAL 7016
 RAL 1007	 RAL 2002	 RAL 3014	 RAL 5000	 RAL 6013	 RAL 7044
 RAL 1013	 RAL 2011	 RAL 3020	 RAL 5013	 RAL 6018	 RAL 8023
 RAL 1018	 RAL 3000	 RAL 4001	 RAL 5018	 RAL 6019	 RAL 9005

LightLight tracks and shades are available in all RAL or NCS colours.
Even gold leaf is possible on request.



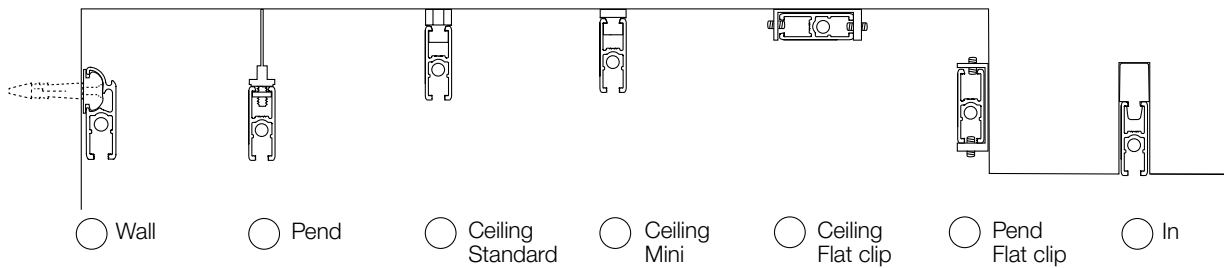
lightlight® project document

buschfeld Tel +49 221 93764-0 Fax -79 info@buschfeld.de www.buschfeld.de

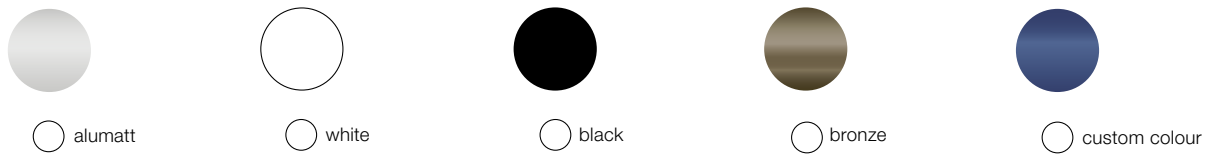
contact

company: _____ project name: _____
 country: _____ details (e.g. room, space): _____
 contact person/planner: _____ e-mail / tel. no: _____

system



colour

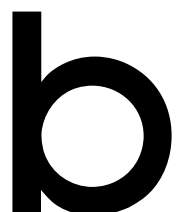


control gear and position of power feed

- incorporated into a design housing for visible mounting (incl. power feed)
- recessed power supply units (name power feed position)

luminaires

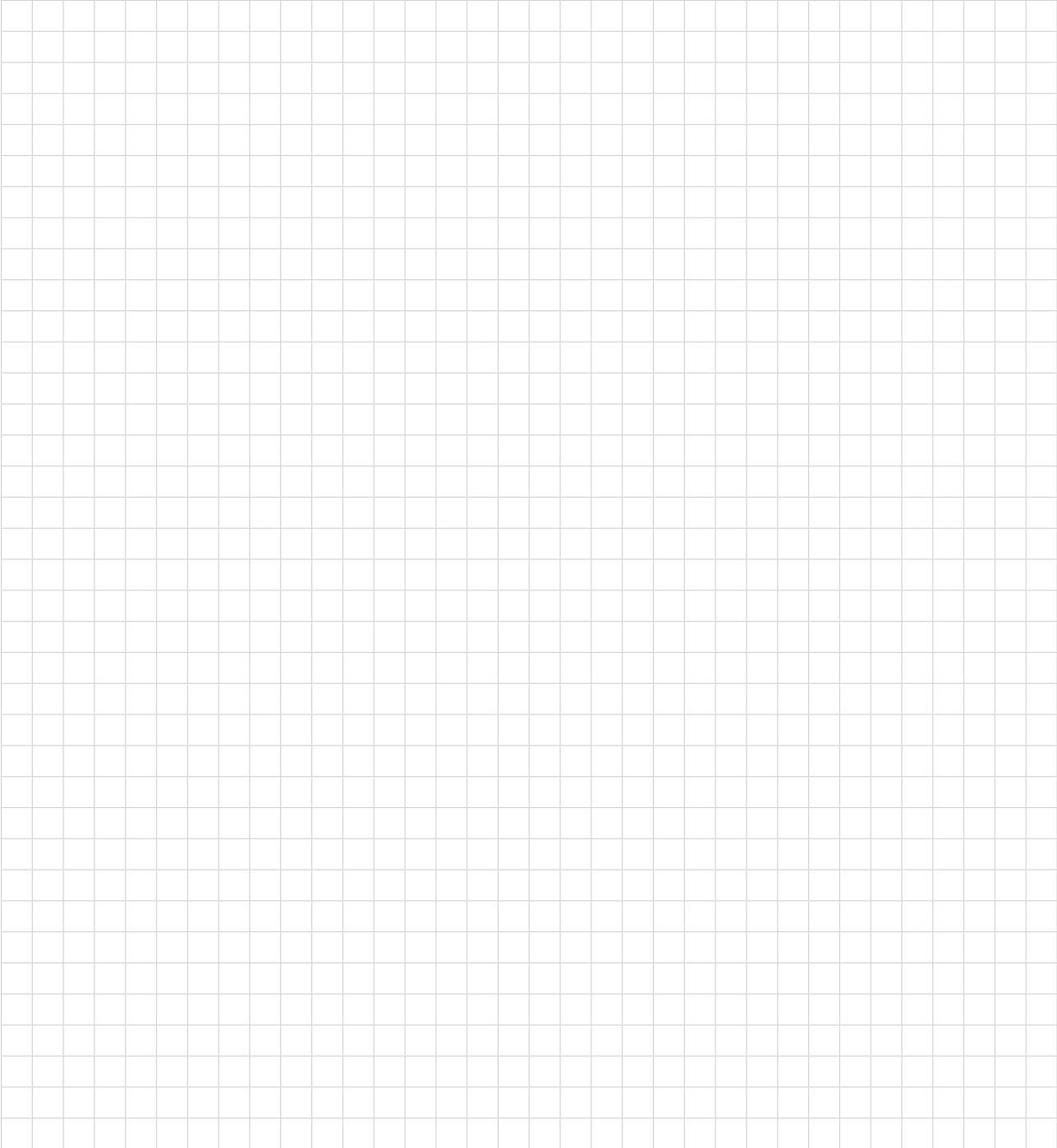
name of product	shade	quantity
_____		pcs
_____		pcs
_____		pcs



LED light sources

name of product	neadcode	quantity	kelvin	wattage	beam angle
		pcs	K	W	°
		pcs	K	W	°
		pcs	K	W	°

sketch



Draw a sketch of the track layout, indicating measurements and dimensions.

Terms and conditions of business

General Terms and conditions of Buschfeld Design GmbH
Terms of sale and delivery relating to Buschfeld Design GmbH, Cologne
(hereinafter: Manufacturer) – as of 1st January, 2021.

I. General information

1. The general terms and conditions of business listed below (hereinafter Terms) apply exclusively. Other terms are only considered to be an integral part of the contract when the Manufacturer has expressly agreed to their validity in writing. In the course of transactions, the version of the terms and conditions of business prevailing on conclusion of the respective contract provide the basis for all future business.

2. All agreements made between the parties to the contract must be put down in writing. Purchase orders will only be dealt with when confirmed in writing. This also applies for purchase orders arranged through sales representatives and sales personnel. Confirmed orders deviating from originally agreed orders shall be treated as new offers. Any additions, amendments and sub-agreements made to orders already placed, or any agreements of promises of delivery made by the Manufacturer, only come into effect when confirmed in writing by the Manufacturer.

II. Offers and the documents inherent to offers

1. Offers are subject to change without notice, unless otherwise agreed.

2. Documents and data inherent to an offer, such as illustrations, drawings, weights and dimensions, are only approximately authoritative, unless expressly quoted as binding. Technical descriptions, explanations and specifications, as well as textual information describing how products work, do not constitute any legal warranties. Specific properties and qualities are only guaranteed when expressly confirmed in writing by the Manufacturer.

3. Deviations may occur in descriptive material and data provided in brochures, catalogues and other documents. Amendments may be made to the above as a result of technical progress. Such deviations or amendments do not afford anyone the right to hold claims against the Manufacturer.

4. The offer and any related documents may not be forwarded, published or copied, or used for any other than the agreed purpose without the permission of the supplier.

5. The Manufacturer may request all paperwork and documents related to an offer to be returned to sender.

III. Scale of the delivery – written confirmation

1. The confirmation of order contains the details of the scale of the delivery.

2. The Manufacturer is entitled to send partial shipments to the customer, and invoice for those partial shipments accordingly.

3. Samples shall only be shipped when expressly agreed with the Manufacturer. Such shipments shall also be invoiced.

IV. Prices

1. Unless otherwise agreed and recorded in the confirmation of order, all prices are quoted for shipment from the storage in Cologne, excluding postage and packing.

2. These prices are based on the manufacturing costs at conclusion of contract. In the case of long-term delivery arrangements, the Manufacturer is, however, entitled to request or demand prices be adjusted, should one or more of the following occur:

- costs for materials required for manufacture increase
- labour costs or incidental labour costs increase due to legal or pay scale adjustments
- there is an increase in value added tax (VAT).

Should no agreement be reached within the framework of negotiations on amendments to contractually agreed prices, each of the parties to the contract is entitled to terminate the contract within three months to the end of a quarter. Termination of contract must be made in writing.

V. Payment

1. Unless otherwise agreed, payments shall be made without any deductions and free of transaction charges to the Manufacturer's designated account(s). Terms are as follows: 2 % cash discount within 14 days after date of invoice or net invoice amount within 30 days.

2. Invoices for repairs, mounting/installing, custom-made products, tools, development costs and models shall be paid immediately without any deductions. First-time deliveries are only affected against advance payment.

3. In the case of overdue payments, customary interest shall be calculated at 9 % (final customers 5 %) above the basic interest rate quoted by the Deutsche Bundesbank; the Manufacturer reserves the right to make further claims.

4. Bills of exchange and cheques are only accepted for payment under specifically agreed conditions. Should a bill of exchange be accepted, discount charges are calculated to the amount of 4 % above the respective main financing rate as quoted by the ECB. Payment effected by means of bills of exchange or cheques is only considered settled when the invoiced amount has been credited to our account.

5. The Purchasing Party is only granted the right to set-off costs if there are legally recognized reasons for counterclaims or are undisputed; right to refuse performance may only be asserted under the condition that any justified counterclaims are based on the same, contractual relationship.

VI. Delivery times

1. The delivery times quoted by the Manufacturer are not binding and require all technical issues to be clarified in advance – unless otherwise agreed in writing. An agreed delivery time commences once the confirmation of order has been sent, but not before the Purchasing Party has fulfilled all obligations. This applies in particular in the case of agreed advance payments.

2. The delivery time is regarded as being adhered to when the article of sale

has left the Manufacturer's plant before the delivery time has elapsed.

3. The delivery time may be extended due to unforeseen circumstances, irrespective of whether these occur in the Manufacturer's plant or through one of his suppliers, e.g. the unforeseen disruption of operations, lawfully recognized strikes, lock-outs, the non-punctual delivery of specific parts despite a due and timely order, as well as any other occurrences which are outside the control of the Manufacturer. The Manufacturer is obliged to inform the Purchasing Party in writing of the onset and conclusion of any such occurrences at his earliest possible convenience.

4. Should the Manufacturer establish that he cannot affect punctual delivery and the Purchasing Party can prove that this has given rise to damages, the Manufacturer is liable to pay compensation: for every completed week of non-delivery, this amounts to 0.5 %, but no more than 15 % max. of the value of that part of the goods to be delivered which, as a result of the delay in delivery, cannot be used opportunely. The same applies if the Purchasing Party can prove he has lost custom, or business is to be settled within a given time period in accordance with § 376 of the German Civil Code, and this is not possible because of the delay. In any case, the liability for damages is limited to the kind of foreseeable, typical damages that may occur.

The Purchasing Party is only entitled to further claims should the delay be due to wilful intent or gross negligence.

5. Should the Purchasing Party set the Manufacturer an equitable period of grace while threatening to otherwise refuse acceptance of delivery, after the latter has failed to deliver on time, the Purchasing Party is entitled to withdraw from the contract should the period of grace elapse for reasons that can be proven to be the fault of the Manufacturer. The Purchasing Party is only entitled to claim for damages for the Manufacturer's failure to perform within the scope of the kind of foreseeable, typical damages that may occur in the case of not wilful intent or gross negligence.

VII. Transfer of risk – acceptance of delivery

1. The services performed by the Manufacturer shall be considered received by the Purchasing Party on completion of the delivery of the ordered goods. This also applies in the case of partial performance.

2. On acceptance of the delivery, the risk is transferred to the Purchasing Party. Should the Purchasing Party be in default concerning the acceptance of the delivery, the risk is transferred to him at the point when the default occurs. The same applies when provision of services is interrupted at the fault of the Purchasing Party and the Manufacturer has entrusted the Purchasing Party with the services / delivery performed to date by mutual agreement.

3. Shipment is effected at the risk of the Purchasing Party, even under freight paid conditions. The Manufacturer is only liable for damage during delivery, if shipment is expressly effected at the Manufacturer's risk. Goods can only be insured against breakage at the request and at the cost of the Purchasing Party. A possible credit note covering the damage can only be issued if the Manufacturer has confirmation of coverage from the insurance company. The Manufacturer is not expected to assume any other obligations. Unless expressly agreed otherwise, shipments are not insured.

4. The goods delivered by the Manufacturer shall also be accepted by the purchasing partner in the case of minor defects.

5. Should the Purchasing Party be found responsible for default of acceptance, or should he not fulfil his obligation to cooperate, he is obliged, as of two weeks after notice of the Manufacturer's readiness for shipment, to cover any costs incurred by the Manufacturer for the storage of goods ready for dispatch to the amount of 0.5 % of the invoice amount for every month, unless he can prove to the Manufacturer that the damage did not occur at all or was significantly lower than the flat rate.

The Manufacturer reserves the right to make other claims, especially those resulting from §§ 373ff of a bilateral commercial transactions in the German Commercial Code. If the Purchasing Party fails to take action within a reasonable time, the Manufacturer is entitled to stage a self-help sale.

VIII. Reservation of property rights

1. All items to be delivered remain the property of the Manufacturer (contractor) until the invoice for products/services provided has been settled by the Purchasing Party.

2. Pursuant to section 4, for the duration of the reservation of property rights the Purchasing Party is not entitled to liquidate, give away, pawn or transfer the delivered goods to secure a debt.

3. In the case of seizure or attachment by third parties of the goods in reserve, the Manufacturer must be informed immediately in writing so that he can take legal action as per § 771 in the Code of Civil Procedure. Should the third party not be in a position to reimburse the costs incurred in and out of court related to legal action as per § 771 in the Code of Civil Procedure, the Purchasing Party shall be liable for the resulting damages.

4. Should the purpose of the delivery be the re-sale of the goods from a company or point of sale operated by the Purchasing Party, the Purchasing Party is obligated to reserve property rights vis-à-vis customers when re-selling. The rights and claims related to this reservation of property are hereby ceded by the Purchasing Party to the Manufacturer who accepts them, irrespective of whether the delivery item(s) have been resold with or without possible further processing.

5. In the case of delayed payment of the Purchasing Party, the Manufacturer is entitled to take back all delivered items. The acceptance of returned goods does not signify withdrawal from contract, unless this has been explicitly clarified in writing. After seizure, the purchased items are at the disposal of the Manufacturer to utilize, sell or exploit as desired. Proceeds can be offset against accounts payable by the Purchasing Party – after deduction of costs incurred in the exploitation process.

6. The Purchasing Party is obligated to take care when handling the purchased items. In particular, he is obligated to insure them adequately at replacement value against damage from fire and water, and against theft. Should

maintenance and inspection work be necessary, the Purchasing Party is required to have this performed in good time at his own expense.

7. Should the purchased items be processed together with other items not belonging to the Manufacturer before full payment has been affected, the Manufacturer shall acquire joint ownership of the new item(s) in relation to the value of the purchased item(s) (final invoice amount, incl. VAT) to the other item(s) that have been processed at the point in time when processing is undertaken. The same applies for the goods/items resulting from processing as for the purchased item(s) delivered under reserve.

8. Should the purchased item(s) be inseparably mixed with other items not belonging to the Manufacturer before full payment has been effected, the Manufacturer shall acquire joint ownership of the new item(s) in relation to the value of the purchased item(s) (final invoice amount, incl. VAT) to the additional items at the point in time when all the items are put inseparably together.

9. The Purchasing Party shall also assign any claims to secure accounts receivable by the Manufacturer, which are created against a third party by the combination of the purchased goods with real estate.

10. When required by the Purchasing Party, the Manufacturer is obligated to release the collaterals to the extent by which the realisable value of the collateral exceeds the receivables by more than 10 %; it rests with the Manufacturer to decide which collaterals are to be released.

IX. Liability

1. Claims relating to apparent defects are not recognized after delivery and acceptance of the goods.

2. The Purchasing Party is obligated to examine the accepted item(s) immediately for possible defects and, if a defect is found, to notify the manufacturer in written form without delay. If the customer fails to notify the Manufacturer, the goods are deemed to have been approved, unless there is a defect that could not be identified during the examination.

If such a defect appears later, the written notification must be made immediately after the discovery, otherwise the goods are considered to be approved even with regard to this defect.

3. Defects shall be communicated to the Manufacturer immediately in written form, whereby the Manufacturer is obligated to rectify the defect or replace the defect items or parts. The Manufacturer reserves the right to reduce the price if the repair fails or to withdraw from the contract at his choice.

4. If the goods are delivered to a place or town other than the place of business of the Manufacturer, the Purchasing Party shall bear all costs related to rectifying the defect or replacement of the defect items or parts.

5. Marginal deviations in dimensions and designs, especially in the case of repeat orders or subsequent requests for modification on the part of the Purchasing Party, which do not affect the usability of the products, shall be considered to be pursuant to the contract.

6. Any other claims for damages, contractual penalties or loss of profit shall remain unrecognized, unless they can be proven to be based on the deliberate or grossly negligent breach of contract on the part of the contractor or any one of his assistants or agents.

7. The above-mentioned liability limitations apply in the case of infringement of pre-contractual, contractual and post-contractual obligations, i.e. primary and secondary obligations, unless they conflict with any compulsory statutory provisions.

8. All claims against the Manufacturer, on whatever legal grounds, become invalid after a period of six months, unless they conflict with compulsory statutory provisions, Section 11 remains unaffected.

9. The Manufacturer is not liable for material damage to shipments procured from third parties and forwarded to the Purchasing Party unchanged. He is entitled to withdraw from the contract insofar as he has not received the delivery item(s) in spite of having previously concluded a general purchasing agreement; liability in the case of a deliberate or grossly negligent breach of contract remains unaffected. The Manufacturer shall inform the Purchasing Party immediately about non-punctual delivery of items and, should he wish to withdraw from the contract. Any consideration received shall be refunded forthwith.

10. No responsibility is accepted for damage resulting from inappropriate or improper application, faulty or defective installation or operation on the part of the Purchasing Party, or third parties working for or in the installation of the Purchasing Party or third parties, or resulting from normal wear and tear, defective or careless treatment, inappropriate operating resources, substitute materials, defective construction work, inappropriate support medium, or the effect of chemical, electrochemical or electrical substances or equipment, unless they can be proven to be the result of deliberate or gross negligent actions on the part of the Manufacturer. In the case of electric equipment: the regulations laid down by the association of German electrical engineers apply.

11. For new products supplied by the Manufacturer a statutory warranty period of two years applies. The warranty begins on the date the products are dispatched ex works in Cologne.

12. In the case of the data provided on the average lifespan of light sources, these are mean values. There is no guarantee that a light source will achieve at least this lifespan.

X. Rights of use, rights of third parties

1. On placing an order the Purchasing Party ensures that he personally, or his client, has the right of use for all image files and graphic material, and in particular photos, provided to the Manufacturer for processing or editing. The Purchasing Party is responsible for ensuring that authorising the Manufacturer to process the image files and graphic material provided complies with the applicable laws, in particular the laws governing copyright and trademarks, and does not infringe upon the rights of third parties.

2. The Purchasing Party shall indemnify the Manufacturer against all claims of third parties, which are filed against the Manufacturer due to the infringement

of their rights in relation to the image files and graphic material used, in particular due to the infringement of copyright or trademark rights. The Purchasing Party also undertakes to pay the Manufacturer for any damages incurred.

3. In individual cases the Manufacturer reserves the right to subsequently refuse to accept orders which do not comply with legal stipulations or contradict accepted moral principles or standards.

4. Copyright and prohibition on exploitation
Contents and images contained on the Manufacturer's homepage are subject to German copyright law. Duplication, processing, distribution and any other form of utilisation requires the prior written consent of the Manufacturer. Downloads and copies of this homepage are not permitted. This applies in particular to all photos on the Manufacturer's homepage. To the best of the Manufacturer's knowledge, the rights of third parties were respected when creating the homepage. Should the Manufacturer be notified of any infringements in relation to the latter, the relevant contents will be removed from the Manufacturer's homepage immediately.

XI. Other liabilities

1. The warranty disclaimers listed in section VIII also apply for all other claims made by the Purchasing Party against the Manufacturer – irrespective of legal basis.

2. In all points listed above where the Manufacturer bears no, or limited, liability, this also applies in the case of claims lodged by the Purchasing Party against our staff / support staff / employees / agents / representatives.

XII. Place of Jurisdiction

1. The place of fulfilment for all obligations resulting from the contractual relationship is the business location of the contractor. Should a different place of fulfilment be agreed, the Purchasing Party is liable to cover all costs.

2. The contents of the contract and the relationship between the parties to the contract are exclusively subject to Federal German law. The application of the uniform law relating to the international purchase of moveable objects, as well as the law relating to the conclusion of international contracts of sale of moveable objects does not apply.

XIII. Assignment

All claims lodged against the Manufacturer are not transferrable without the written consent of the Manufacturer and may be exercised by the Purchasing Party only.

XIV. Severability clause

If any clause or part of this agreement shall for any reason be adjudged by a court of competent jurisdiction to be invalid, such judgement shall be limited and confined in its operation to the clause involved in the controversy.

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