

# Sense System 48 V

## Price List 2025



**b**



# Buschfeld track systems

The Buschfeld track system stands for maximum functionality and precise lighting solutions.

We have been producing the original - LightLight - since 1989 and continue to develop it further.

Our aim is to preserve, improve and refine the tried and tested.

With the growing importance of digital lighting control we introduced the 48-volt system in 2017.

The result: Sense System - an innovative solution that offers all the possibilities of digital lighting control via a manufacturer-independent wireless standard.

The characteristic design of the Buschfeld track system remains the same, while the inner workings have been optimised to the current 48 V standard.

The components are minimised to the maximum, functionally and enable the highest quality of light.

With state-of-the-art LED technology and precise Snap filters, we are setting new standards - supplemented by smart functions, that can be flexibly integrated into various systems.

Sense System - timeless aesthetics meet pioneering technology, perfectly harmonised with sophisticated architecture.

# note on the price list

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

## **Ordering Assistance: all you need** to know

The „all you need to know“ overview is designed to facilitate your entry into your lighting concept with Buschfeld lighting systems. Here, we present the nine key topics for lighting planning. Our product portfolio is diverse and adaptable. Get inspired – there are no limits to your creativity.

## **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 e-mail or visit our website.

Write us an e-mail.

[www.buschfeld.de/en](http://www.buschfeld.de/en)

# Sense System

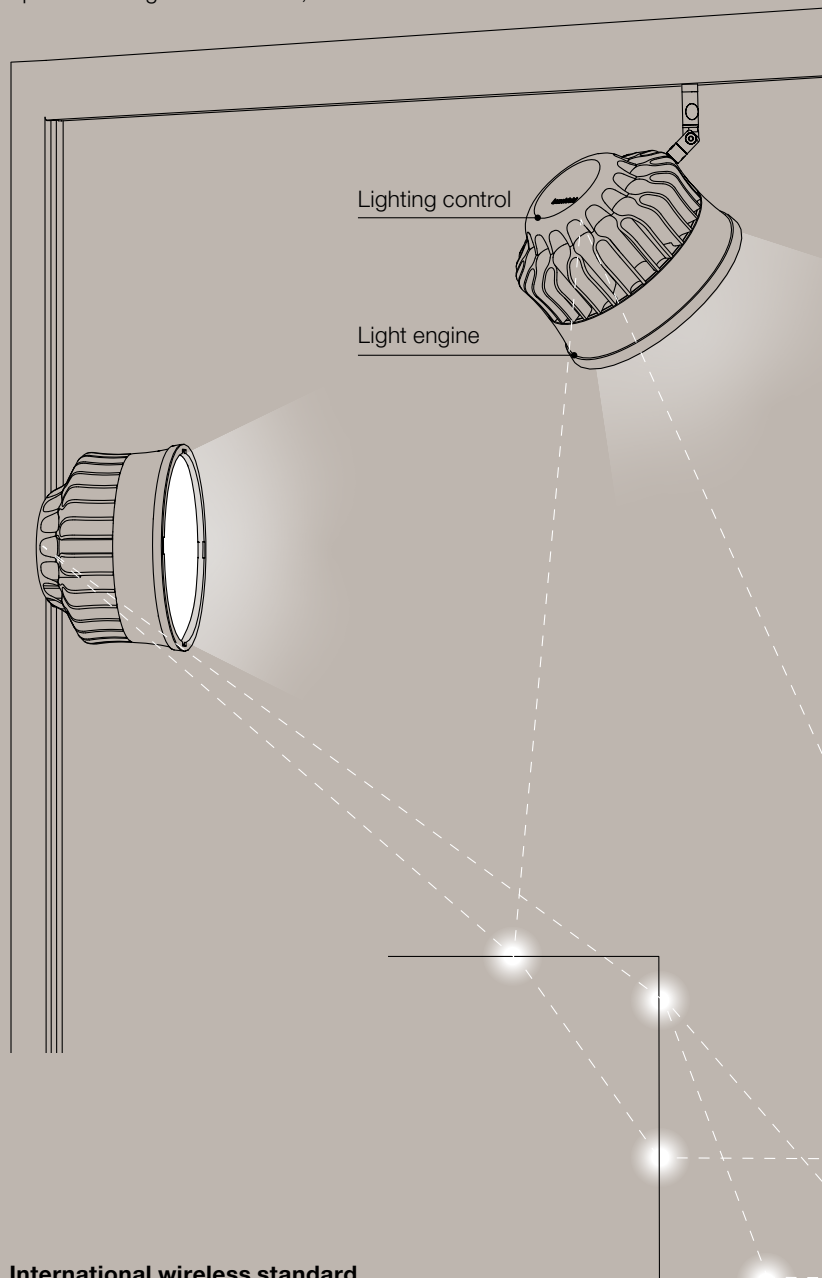
basic information	p. 6
Casambi	p. 8
ordering assistance: all you need to know	p. 10
wall48 - wall track	p. 12
pend48 - pendant track	p. 18
ceiling48 - ceiling track	p. 28
in48 - recessed track	p. 36
freestyler	p. 44
tri48 floor & steel48 floor - free-standing luminaire	p. 46
brass holder - decorative accessories	p. 53
Sense System luminaires	p. 57
luminaires ninety-five	p. 60
luminaires fifty	p. 70
luminaires thirty-five	p. 84
linear luminaires leaf / long leaf	p. 94 
linear luminaire led line	p. 99
projectors	p. 100 
luminaires black light	p. 102 
luminaires by Baltensweiler	p. 106 
luminaires - without individual control	p. 111
control gear	p. 117
individual	p. 131
rondo48 - ring-shaped luminaire	p. 134
freeform48 - custom shapes	p. 135
colour - custom colours	p. 136
project document, questionnaire	p. 138
GTC	p. 140

# Sense System

## Basic Information

Sense System is the most slimline 48 V single-phase track system of its quality and class. The well-designed track system offers a number of advantages: the layout of the track does not depend on the power outlets available in the space. A wide variety of luminaires can be applied and positioned practically anywhere along the track. Given the option of being able to switch, dim or

program the luminaires individually, it is possible to realise highly flexible, custom-designed lighting solutions to suit the space and its use.



### International wireless standard

The Sense System enables wireless control without complex BUS systems. Each luminaire and each sensor form an intelligent radio network in which information is passed from one participant to the next. As long as the range is given, communication remains stable - from luminaire „1“ to „99“ and beyond. The system size can be expanded almost indefinitely and offers a particularly user-friendly, flexible solution.

### Luminaires

Programmable light: the timeless, pure aesthetics of digital. Four luminaires have been developed for Sense System - Thirty-Five, Fifty, Ninety-Five and Leaf. All luminaires are network-enabled directional spotlights, equipped with innovative electronics, and encased in an extremely compact housing. For the first time, the design and type of luminaires, plus the lighting control chip and the light engine with the different lighting features, are fixed firmly together to form one complete unit.

### Lighting control

Sense System works with lighting control protocols from Casambi. A Casambi compatible chip is integrated into every Sense System luminaire. The resulting network architecture enables every luminaire to be controlled individually and/or in groups.

### Light engines

Light engines are the LED equivalent of a conventional lamp. They comprise LED chips that are programmed to ensure the luminaire delivers the required colour temperature and beam angle. Specific Dim-To-Warm LED complete the choice. The Ninety-Five and Fifty ranges of luminaires designed for application with Sense System can be equipped with the Snap system, which allows filters to be attached easily to change the beam angle or shift the colour temperature.

Further information are available at: [www.buschfeld.de/en/how-it-works/48107](http://www.buschfeld.de/en/how-it-works/48107)

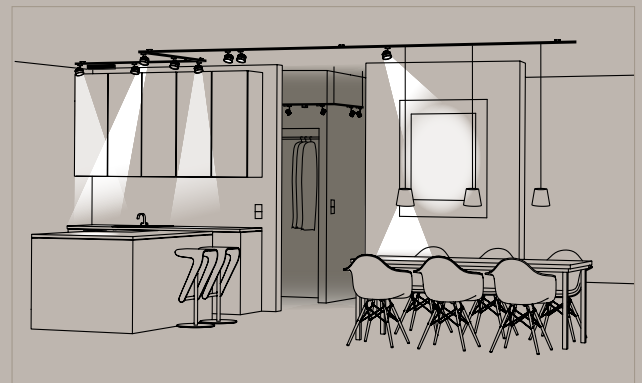
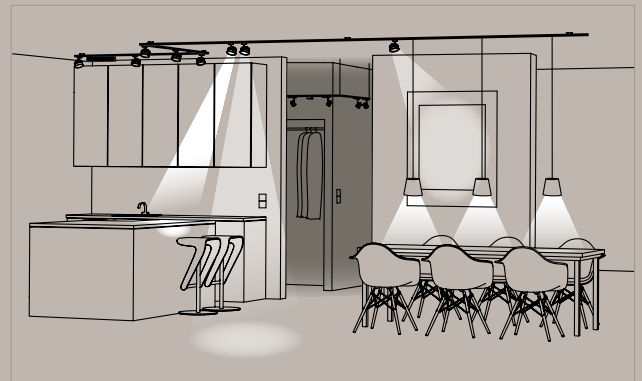
### Controlling the luminaires

A large number of operating devices that are in everyday smartphone, smartwatch, tablet as well as Switch, Push Button and Xpress, can be used to control control the lights.



### Applying groups of luminaires

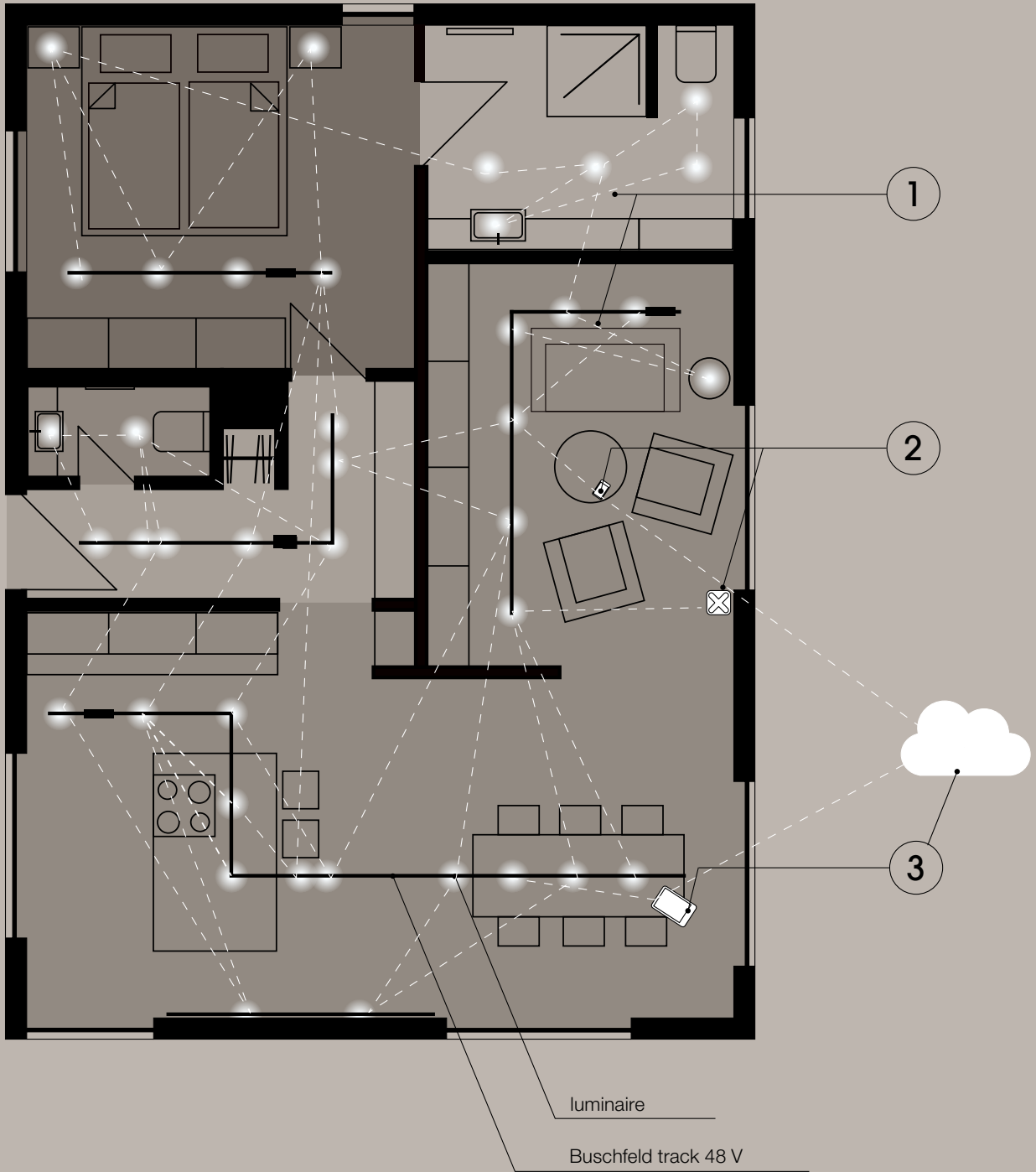
Being able to apply connected luminaires in groups and assigning them to perform specific lighting tasks is the simplest way of defining what smart luminaires can offer. The user decides which luminaire belongs in which group - irrespective of the location on the track, in the building or within the network. For example: luminaires applied in a dining room or in the kitchen are allocated to a designated group. It is also possible to connect a luminaire in the dining area with one in the lounge and one in the kitchen to create a specific atmosphere. Simply by touching the app on a smartphone or control panel, you can make the luminaires switch on, off or dim down.



### Lighting scenarios

Track-mounted luminaires interconnected to form a network can be switched and dimmed to create a variety of lighting scenarios.. Atmospheres can be adapted and sensitively aligned to suit situational requirements, and then saved for future application. Also a timer function is possible. At the same time, individual luminaires can be excluded from a given scenario and can be switched and dimmed on their own.





## Intelligent Lighting Control

The Buschfeld Sense System integrates Casambi for intuitive and flexible lighting control. This technology combines modern design with smart functionality, allowing your customers to control lighting easily via smartphone, tablet, or wall switch. The wireless network enables flexible lighting adjustments without additional wiring – ideal for new buildings and existing properties.

[How it works](#)  
[Learn more about our luminaires](#)

## Wireless Connection

1

- Easy Installation: No need for complex wiring – especially beneficial for retrofitting existing buildings.
- Flexible Expansion: Luminaires can be easily added or reconfigured without modifying the existing infrastructure.

## User-Friendly Control

2

- Intuitive App Operation: Control and program lighting scenes and schedules effortlessly via the app.
- Updates & Future-Proofing: Firmware updates through the app keep the system up to date.
- Scalability: Suitable for small lighting installations as well as large commercial projects.
- Energy Efficiency: Optimized wireless technology ensures low power consumption and extended battery life for wireless switches or sensors.

## Security & Reliability

3

- Modern Encryption: Protects against unauthorized access with secure communication protocols.
- Reliable Mesh Network: Each Casambi device can act as a repeater, increasing signal range and ensuring a stable connection.

## Ideal for Existing Buildings

- Cost-Effective Retrofitting: No additional wiring required, significantly reducing installation costs.
- Integration into Existing Systems: Allows the use of existing luminaires or Casambi-compatible lamps and accessories.

With the Buschfeld Sense System and Casambi, your customers receive an elegant, secure, and future-proof lighting control solution that adapts flexibly to their needs.

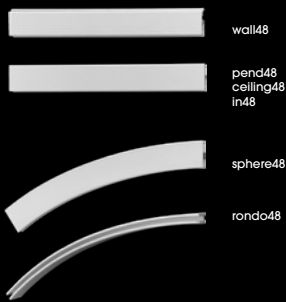
## Quick reference guide re. Casambi app

Our quick reference guide provides information to support you when realising your first installation using this system, or when updating Buschfeld luminaires already installed with Casambi lighting control.

[Buschfeld x Casambi App \(PDF\)](#)

[Casambi App User Guide \(English/PDF\)](#)  
[www.casambi.com](http://www.casambi.com)

# all you need to know



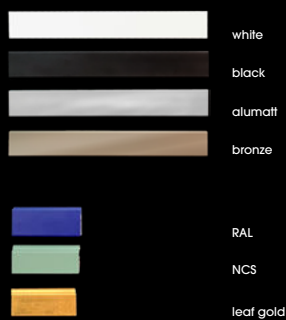
## structure of tracks

Determine the mounting and trajectory of the lighting tracks using system combinations, 3D stretches, rail arcs, as well as T, cross, and star connectors.

A top view or side view with a sketch helps us better understand your lighting concept. Step by step, we can address any open questions collaboratively, providing a clear overview of the desired tracks structure.

1

[How it works  
Concept of tracks](#)



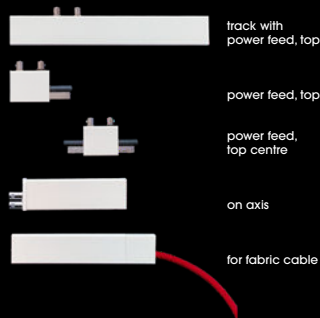
## track colour | surface colour

Standard colours:  
alumatt, black, white, bronze

We produce special colours on request.  
Here are some examples.

2

[How it works  
Standard- & Customized Colours](#)



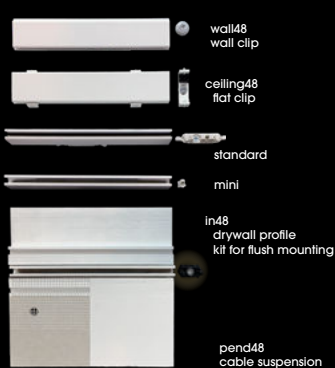
## power feed (48 V)

For the 48-volt power supply, we offer various options for feeding power: either installed in a continuous track or a separate, small component.

The specific choice of feed is necessary if your plan involves an operating device that is not directly installed on the track.

3

[All power feeds](#)



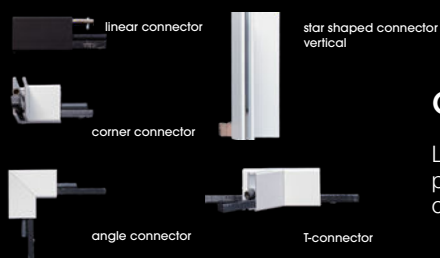
## mounting kits

The wall track package includes the mounting, and only one type of attachment is possible in this case.

For pendant, ceiling, or recessed tracks, choose the appropriate mounting sets based on your installation concept. These may include suspension cables, ceiling mounting sets (standard 6mm or mini 2mm), flat clips, or recessed sets.

4

[All mounting kits](#)

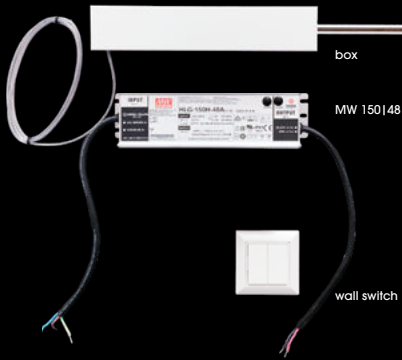


## components

Linear tracks connectors, corner, T-connectors, or stars are part of the product selection, as are ceiling boxes, picture cables, textile cables, and other components.

5

[All connectors](#)



## control gear | Casambi accessories

The Buschfeld switching power supplies are essential for providing the 48-volt power needed for the Sense System lights with integrated light control. You have the flexibility to choose whether the operating device should be prominently displayed in a design housing or discreetly concealed.

Additionally, for lights equipped with Casambi control, you have a range of options beyond the app, including wall switches, motion sensors, relays, and gateways.

6

- Products: All control gears
- How it works: Learn more Control Gears



## luminaires | lighting control

The lighting requirements encompass picture lighting, spots, pendant lights, and uplight modules. Our selection of lights is as diverse as the demands.

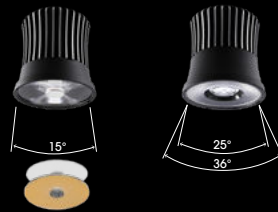
When making your choices, consider the following steps:

1. Light family
2. Mounting direction
3. Light control:



- Products: All luminaires
- How it works: Learn more about our luminaires

7



## colour temperature | beam angle

In the second stage of selection, choose the beam angle and light colour. Ninety-Five Spots (9°) and Fifty Spots (15°) use the Soraa Snap System™, providing flexibility with filter attachments. Customize beam angle, light colour, and honeycomb grids during on-site installation.

- 2700 K
- 3000 K
- 1800 - 3000 K Dim-to-Warm

- How it works: Learn more, Dim-to-warm
- How it works: Learn more, Soraa Snap System

8

## accessories

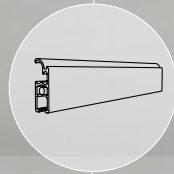


The lampshades play a dual role, serving as both aesthetic enhancements and functional components. They conceal the heat sink of the light heads and contribute to minimizing glare. You have the option to choose lampshades for all spotlights.

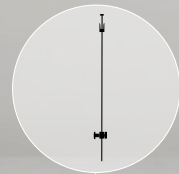
If you opt for the Light Engine with the Snap System, you gain access to a wide range of filter attachments. These filters offer the flexibility to customize beam angles, change colours, and use honeycomb grids for precise glare reduction. Our extensive options empower you to create lighting that aligns with your unique preferences and specific requirements.

- Products: Overview filter Snap System small
- Products: Overview filter Snap System large

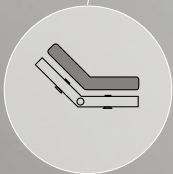
9



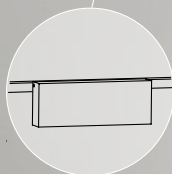
● 48-91003  
wall track, white



90010  
picture rod with  
picture hook



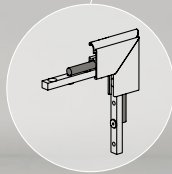
91504  
joint connector,  
70°-290°,  
horizontal - slanting



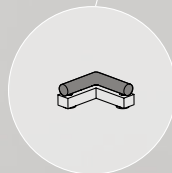
● 48-90626 b  
Bigbox wall I 150,  
white



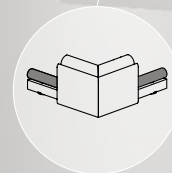
# Sense System wall48 wall track



● 91424  
angle connector 90°, on the  
inside, horizontal - vertical,  
conductive, black



91401  
corner connector 90° on  
the inside, conductive,  
horizontal - horizontal



● 91416  
corner connector 90° on  
the outside, conductive,  
horizontal - horizontal,  
black

The Wall48 track system 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.

<https://buschfeld.de/en/how-it-works/88103>





## Wall track and power feeds



### wall track

L=2000, can be shortened  
incl. mounting accessories  
(5 wall clips)  
48 V DC, 12.5 A

article no.	€ Euro
48-91002	224,00
48-91006	
48-91003	



### power feed at end, top left

L=35  
screw contact, incl. 2 end caps  
48 V DC, 12.5 A

**!** Cable to be selected and ordered separately.

article no.	€ Euro
91114	147,00
91118	
91121	

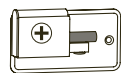


### power feed at end, top right

L=35  
screw contact, incl. 2 end caps  
48 V DC, 12.5 A

**!** Cable to be selected and ordered separately.

article no.	€ Euro
91106	147,00
91110	
91119	

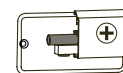


### power feed at end, recessed, left

L=35  
screw contact, incl. 2 end caps  
48 V DC, 12.5 A

**!** For flush-mounted socket see accessories. Cable to be selected and ordered separately.

article no.	€ Euro
91130	147,00
91134	
91136	

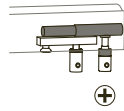


### power feed at end, recessed, right

L=35  
screw contact, incl. 2 end caps  
48 V DC, 12.5 A

**!** For flush-mounted socket see accessories. Cable to be selected and ordered separately.

article no.	€ Euro
91122	147,00
91126	
91128	

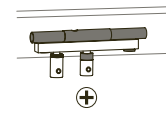


**power feed at end, facing downwards, left or right**

L=0  
screw contact, incl. 2 end caps  
48 V DC, 12.5 A

**!** Cable to be selected and ordered separately.

article no.	€ Euro
91102	116,00
91107	
91123	

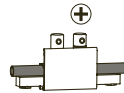


**power feed central, facing downwards**

L=0  
screw contact, incl. 2 end caps  
48 V DC, 12.5 A

**!** Cable to be selected and ordered separately.

article no.	€ Euro
91202	134,00
91203	
91205	

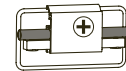


**power feed central, upper section**

L=35  
screw contact, incl. 2 end caps  
48 V DC, 12.5 A

**!** Cable to be selected and ordered separately.

article no.	€ Euro
91204	158,00
91208	
91209	



**power feed central, recessed**

L=35  
screw contact, incl. 2 end caps  
48 V DC, 12.5 A

**!** Cable to be selected and ordered separately.

article no.	€ Euro
91212	162,00
91216	
91218	



**power feed at end, on axis left or right**

L=18  
screw contact, incl. end cap  
48 V DC, 12.5 A

**!** Cable to be selected and ordered separately.

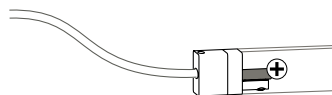
article no.	€ Euro
91104	109,00
91105	
91125	



**LV stranded cable**

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

article no.	€ Euro
2x2,5 mm <sup>2</sup> , running metre	90525 16,00
2x4 mm <sup>2</sup> , running metre	90520 18,00
2x6 mm <sup>2</sup> , running metre	90500 19,00

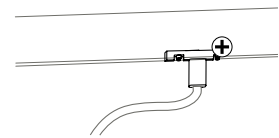


**power feed for fabric cable, on axis left or right**

L=31 mm, screw contact for fabric cables with outside diameter of max. 7.0 mm, incl. end cap, 48 V DC, 12.5 A

**!** Fabric cable to be selected and ordered separately. Please note a possible power limitation for the supply cable.

article no.	€ Euro
91137	109,00
91138	
91139	
91140	



**adapter power feed, positioned as required, for fabric cable**

adapter power feed, hide, fits into the inner conductor side of the track, for fabric cable with an outer diameter max. 7.0 mm, incl. 1 end cap, 48 V DC, 12.5 A

**!** Fabric cable to be selected and ordered separately. Please note a possible power limitation for the supply cable.

article no.	€ Euro
91131	109,00
91133	
91135	
91141	

**fabric cable**

running meter, round flexible cable, double insulated, covered by cotton, outside diameter 6,2 mm, cable cross-section 2 x 0.75 mm<sup>2</sup>

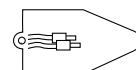
**!** power max. 200 W for max. cable length of L < 5000 mm

Selection of [www.creative-cables.com](http://www.creative-cables.com)

\*The fabric cable colour - RC43 is our choice to match the bronze track colour.



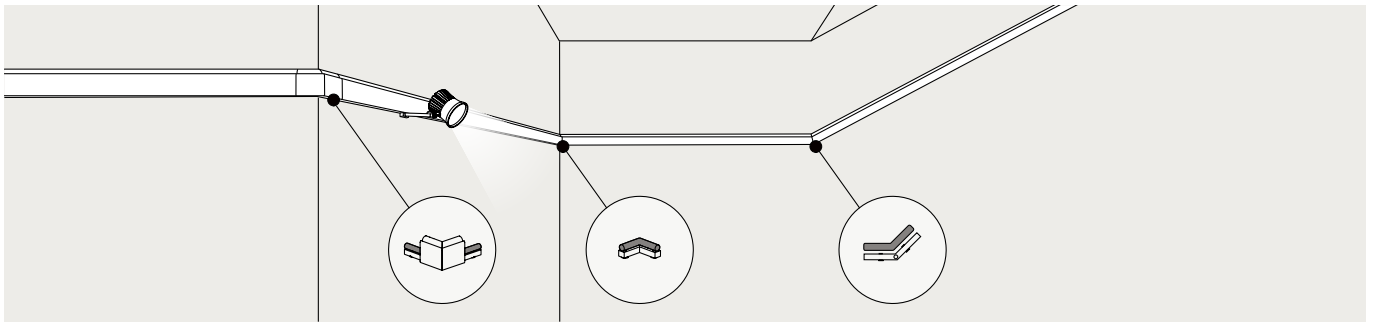
article no.	€ Euro
90551-RC35	8,00
90551-RC01	
90551-RC04	
90551-RC43*	



**recessed socket**



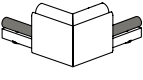




socket type: Kaiser 1048-00

article no.	€ Euro
90007	6,00

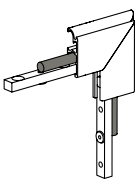

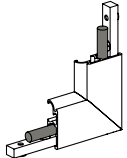











## Connectors

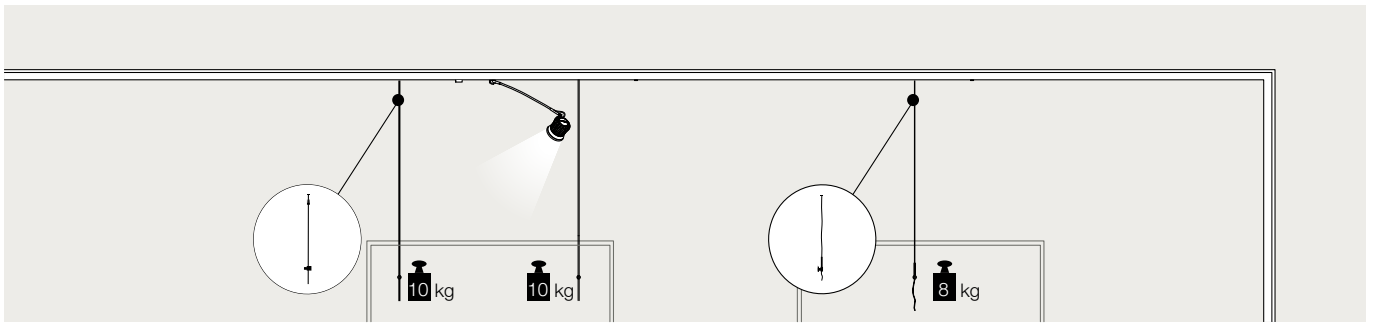
					
<b>linear connector conductive</b>	article no.	€ Euro	<b>linear connector insulating</b>	article no.	€ Euro
L=0	91302	53,00	L=1	 91304  91305  91307	7,00

					
<b>corner connector 90°, on the inside, horizontal-horizontal, conductive</b>	article no.	€ Euro	<b>corner connector 90°, on the outside, horizontal-horizontal, conductive</b>	article no.	€ Euro
L=0 mitre cut required on site	91401	64,00	L=35	 91410  91414  91416	81,00



					
<b>joint connector 80-280° horizontal-horizontal</b>	article no.	€ Euro	<b>joint connector 70-290° horizontal-slanting</b>	article no.	€ Euro
L=0 mitre cut required on site	91502	98,00	L=0 mitre cut required on site e.g. for staircases	91504	98,00
conductive			conductive		

					
<b>angle connector 90°, on the inside, horizontal - vertical, conductive</b>	article no.	€ Euro	<b>angle connector 90°, on the outside, horizontal-vertical, conductive</b>	article no.	€ Euro
L=50 inner conductor on the inside	 91418  91422  91424	81,00	L=50 inner conductor on the outside	 91426  91430  91432	81,00

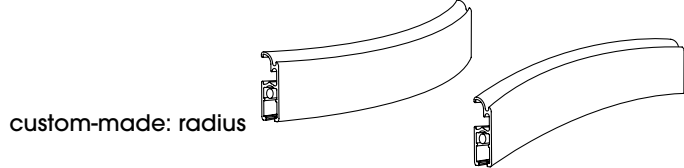
Design: Hans Buschfield  
  




Accessories

					
<b>picture rod with picture hook</b>	article no.	€ Euro	<b>additional picture hook for picture rod</b>	article no.	€ Euro
2,6x1000	90010	41,00		90019	12,00
2,6x1350	90011	46,00			
2,6x2000	90012	47,00			

					
<b>picture cord with picture hook</b>	article no.	€ Euro	<b>additional picture hook for picture cord</b>	article no.	€ Euro
1,0x1500	90013	42,00		90017	16,00
	90013 b	42,00			
	<small>plastic bolt, black</small>				



custom-made: radius

Curved upright sections of track, convex or concave (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](mailto:info@buschfeld.de)  
Further information on page 135

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



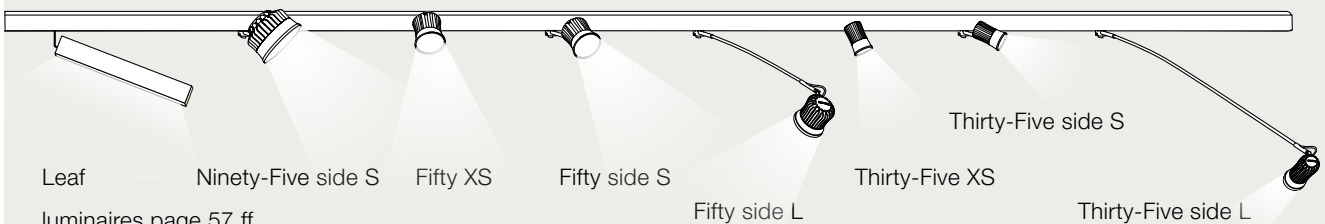
custom-made: colour

All track and shades can be custom made in the colour (RAL or NCS-compliant) 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](mailto:info@buschfeld.de). Further information on page 136.

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

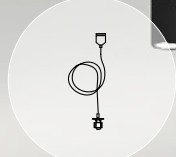
Luminaires for wall48



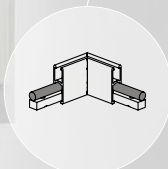
Leaf  
luminaires page 57 ff.  
control gear page 117 ff.



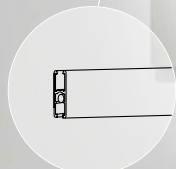
● 91959 b  
flat clip, black



93604  
cable suspension



● 95242  
angle connector  
90°, conductive,  
black



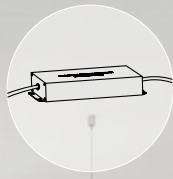
● 48-93042  
pendant track,  
black



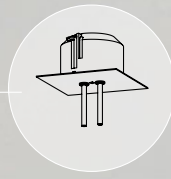
93103  
linear connector,  
conductive

# Sense System pend48 pendant track

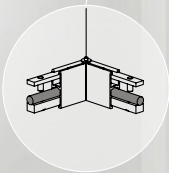
48-90143  
power supply switch  
MW 150 | 48 V



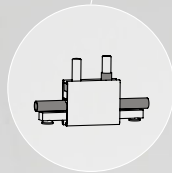
93535  
recessed canopy  
for power feed rods,  
white



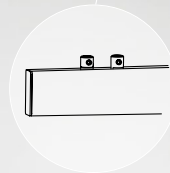
93517  
recessed canopy  
for power cable,  
white



93242  
angle connector  
90°, conductive,  
black



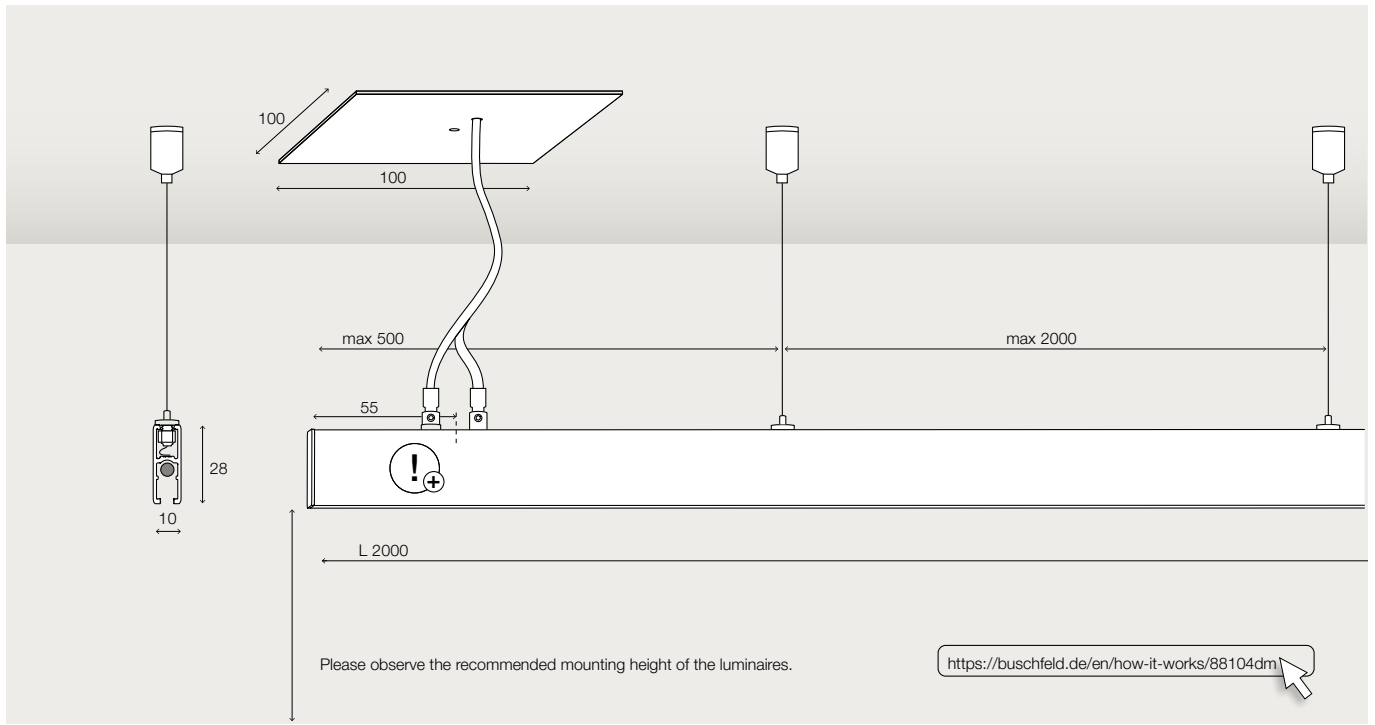
93017  
power feed for  
power rods, top  
centre, black



48-93046  
pendant track  
with power feed  
for cable, black

The pendant track system Pend48 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

28  
10

pendant track	article no.	€ Euro			article no.	€ Euro
L=2000 can be shortened 48 V DC, 12.5 A  <b>! Mounting kit to be selected and ordered separately.</b>	48-93002	193,00	L=3000  Professional Product: please note additional handling and shipping costs.		48-930023	385,00
	48-93032				48-930323	
	48-93042				48-930423	
	48-93082	237,00			48-930823	431,00

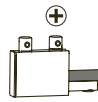
28  
10

pendant track with power feed for cable	article no.	€ Euro			article no.	€ Euro
L=2000, left or right, can be shortened, screw contact for power cable incl. 2 end caps, 48 V DC, 12.5 A  <b>! Cable and mounting kit to be selected and ordered separately.</b>	48-93006	255,00	L=3000  Professional Product: please note additional handling and shipping costs.		48-930063	448,00
	48-93036				48-930363	
	48-93046				48-930463	
	48-93086	298,00			48-930863	494,00

28  
10

pendant track with recessed power feed	article no.	€ Euro			article no.	€ Euro
L=2000, left or right, can be shortened, screw contact for power cable max. 2.5 mm² ! incl. 2 end caps, 48 V DC, 12.5 A  <b>! Cable and mounting kit to be selected and ordered separately.</b>	48-93003	255,00	L=3000  Professional Product: please note additional handling and shipping costs.		48-930033	448,00
	48-93039				48-930393	
	48-93043				48-930433	
	48-93083	298,00			48-930833	494,00

Design: Hans Buschfield

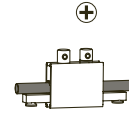


**power feed for power cable, top right or left**

article no.	€ Euro
93614	132,00
93612	
93613	

L=35  
screw contact for power cable  
incl. 2 end caps,  
48 V DC, 12.5 A

**!** Cable to be selected and ordered separately.

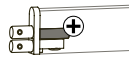


**power feed for power cable, top centre**

article no.	€ Euro
93619	141,00
93616	
93617	

L=35  
screw contact for power cable  
incl. 2 end caps,  
48 V DC, 12.5 A

**!** Cable to be selected and ordered separately.



**power feed for power cable, on axis left or right**

article no.	€ Euro
91104	109,00
91105	
91125	
91129	

L=18  
screw contact for power cable  
incl. end cap,  
48 V DC, 12.5 A

**!** Cable to be selected and ordered separately.

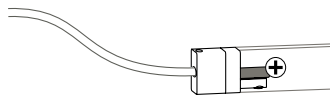


**LV stranded cable**

article no.	€ Euro
-------------	--------

silver transparent  
incl. 4 cable end sleeves  
2x2,5 mm<sup>2</sup>, running metre  
2x4 mm<sup>2</sup>, running metre  
2x6 mm<sup>2</sup>, running metre

90525	16,00
90520	18,00
90500	19,00

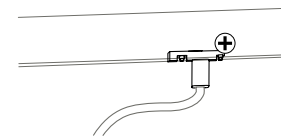


**power feed for fabric cable, on axis left or right**

article no.	€ Euro
91137	109,00
91138	
91139	
91140	

L=31 mm, screw contact, fabric cables with outside diameter of max. 7.0 mm, incl. end cap, 48 V DC, 12.5 A

**!** Fabric cable to be selected and ordered separately. Please note a possible power limitation for the supply cable.



**adapter power feed, positioned as required, for fabric cable**

article no.	€ Euro
91131	109,00
91133	
91135	
91141	

adapter power feed, hide, incl. 1 end cap, fits into the inner conductor side of the track, for fabric cable with an outer diameter max. 7.0 mm, 48 V DC, 12.5 A

**!** Fabric cable to be selected and ordered separately. Please note a possible power limitation for the supply cable.



**fabric cable**

running meter, round flexible cable, double insulated, covered by cotton, outside diameter 6,2 mm, cable cross-section 2 x 0.75 mm<sup>2</sup>

**!** power max. 200 W for max. cable length of L < 5000 mm Selection of [www.creative-cables.com](http://www.creative-cables.com)

\*The fabric cable colour - RC43 is our choice to match the bronze track colour.

article no.	€ Euro
90551-RC35	8,00
90551-RC01	
90551-RC04	
90551-RC43*	

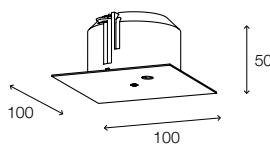


**cable suspension**

article no.	€ Euro
93604	58,00

without power feed  
L=1500  
can be positioned as required

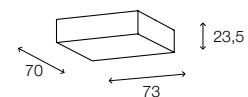
<https://www.buschfeld.de/en/cable-suspension/93604>



**recessed canopy for power feed by cable**

article no.	€ Euro
93510	62,00
93517	
93518	

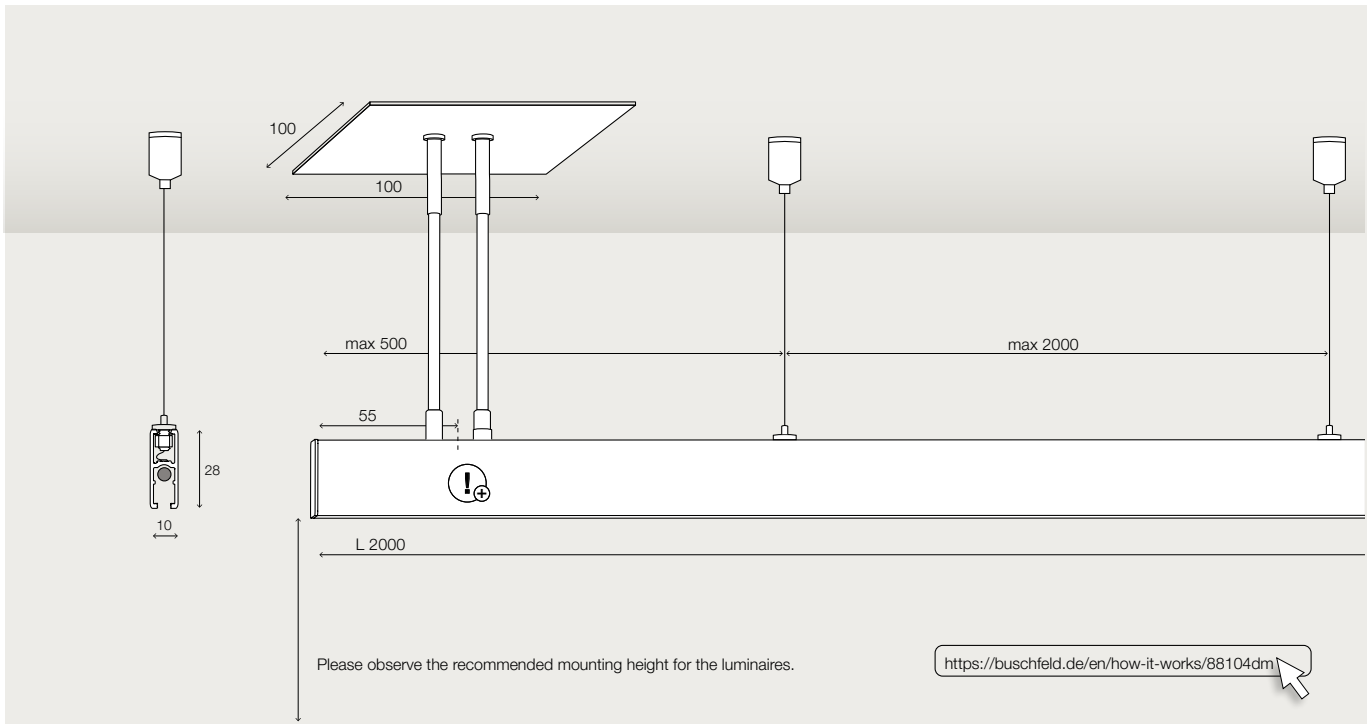
for LV cable connection or HV mains connection, cover plate 100x100 depth 50 diameter 74



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

article no.	€ Euro
93500	62,00
93537	
93538	

for LV cable connection or HV mains connection, 70x73x23,5



Pendant track with power feed for power feed rods



pendant track

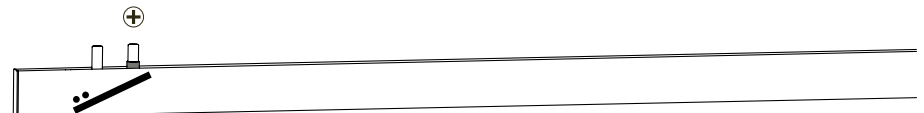
L=2000, can be shortened without cable suspension  
48 V DC, 12.5 A

**!** Mounting kit to be selected and ordered separately.

article no.	€ Euro
48-93002	193,00
48-93032	
48-93042	
48-93082	237,00

article no.	€ Euro
48-930023	385,00
48-930323	
48-930423	
48-930823	431,00

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, incl. 2 end caps, 48 V DC, 12.5 A

**!** Power feed rods and mounting kit to be selected and ordered separately.

article no.	€ Euro
48-93004	255,00
48-93034	
48-93044	
48-93084	298,00

article no.	€ Euro
48-930043	448,00
48-930343	
48-930443	
48-930843	494,00

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

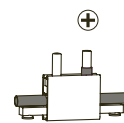


power feed for power feed rods, top left or right

L=35, plug contact for power feed rod, incl. 2 end caps, 48 V DC, 12.5 A

**!** Power feed rods to be selected and ordered separately.

article no.	€ Euro
93014	132,00
93012	
93013	





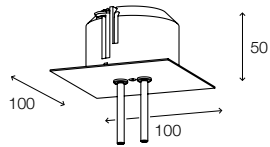
power feed for power feed rods, top centre

L=35, plug contact for power feed rod, incl. 2 end caps, 48 V DC, 12.5 A

**!** Power feed rods to be selected and ordered separately.

article no.	€ Euro
93019	141,00
93016	
93017	

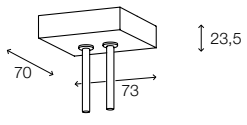
<p><b>power feed rod</b></p> <p>L=2000, can be cut into sections</p> <p>L=1000, can be cut into sections</p>		<p>article no.</p> <p>€ Euro</p> <p>93566 55,00</p> <p>93567 28,00</p>		<p><b>spacer</b></p> <p>for power feed rods longer than 1 m</p>	<p>article no.</p> <p>€ Euro</p> <p>93062 54,00</p>
--	---	--	---	---	---



**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


●	93525	105,00
○	93535	
●	93545	



**surface-mounted canopy for power feed rods**

for LV with plug-in coupling for power feed rods, 70x73x23,5

●	93524	105,00
○	93534	
●	93544	

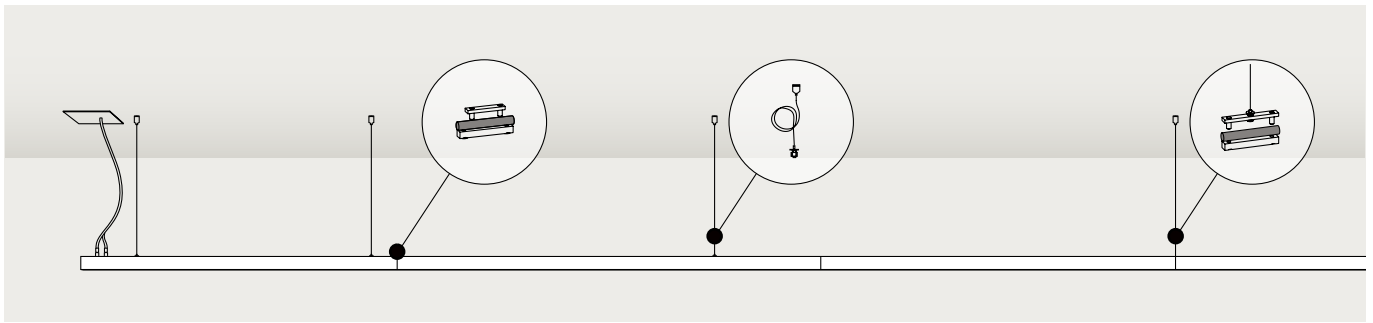


**cable suspension**





without power feed L=1500 can be positioned as required

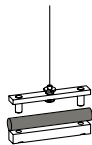

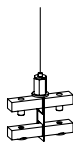

article no.	€ Euro
93604	58,00

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





## Connectors

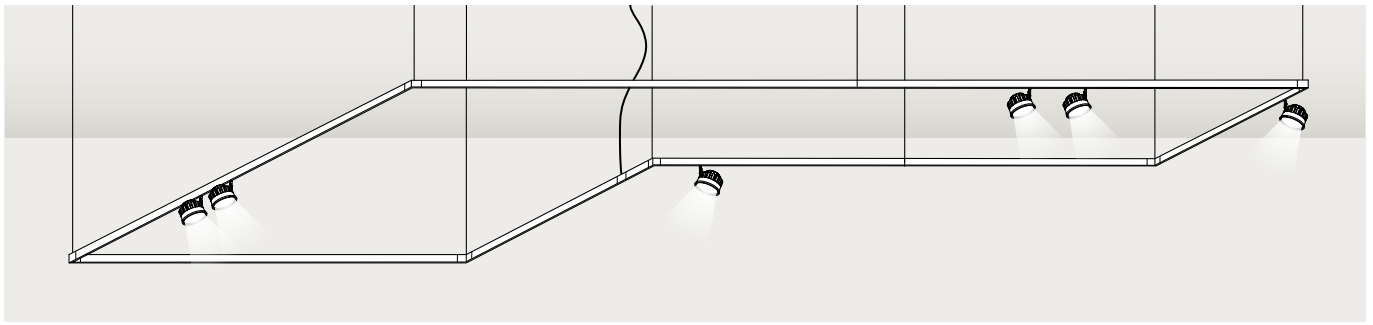
			
<b>linear connector, conductive</b>	<b>linear connector, insulated</b>		
article no.	€ Euro	article no.	€ Euro
L=0 without cable suspension	93103 55,00	L=0 without cable suspension	93102 55,00

			
<b>linear connector, conductive</b>	<b>linear connector, insulated</b>		
article no.	€ Euro	article no.	€ Euro
L=0 with cable suspension (L=1500)	93109 90,00	L=0 with cable suspension (L=1500)	93112 90,00

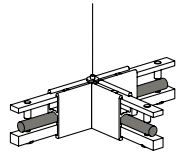
			
<b>angle connector 90°, conductive</b>	<b>angle connector 90°, insulated</b>		
article no.	€ Euro	article no.	€ Euro
L=35 with cable suspension (L=1500)	93202 120,00 93232 93242	L=35 with cable suspension (L=1500)	93205 120,00 93235 93245

		
<b>joint connector 80°-280°, conductive</b>	<b>arch connector S-shape pend48 / ceiling48</b>	
article no.	€ Euro	article no.
L=0 with cable suspension (L=1500)	93206 131,00	L=370, H=157 for horizontal-vertical height adjustment in the arch
		935842 309,00



  
 Design: Hans Buschfield



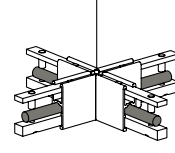
## Connectors



### cross connector, 3-way conductive

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

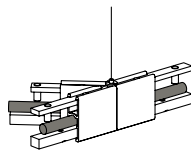
article no.	€ Euro
● 93302	160,00
○ 93332	
● 93342	



### T-connector, 4-way conductive

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

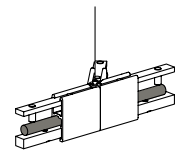
article no.	€ Euro
● 93402	205,00
○ 93432	
● 93442	



### T-connector 45° left, 3-way conductive

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

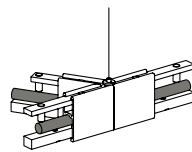
article no.	€ Euro
● 93902	160,00
○ 93932	
● 93942	



### T-connector 45° right, 3-way conductive

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

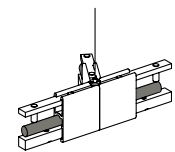
article no.	€ Euro
● 93903	160,00
○ 93933	
● 93943	



### T-connector 60° left, 3-way conductive

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

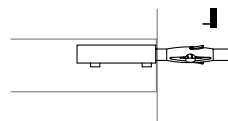
article no.	€ Euro
● 93904	160,00
○ 93934	
● 93944	



### T-connector 60° right, 3-way conductive

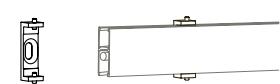
L=60  
with cable suspension (L=1500)  
Other versions available on request.

article no.	€ Euro
● 93905	160,00
○ 93935	
● 93945	



### wall or ceiling fastener

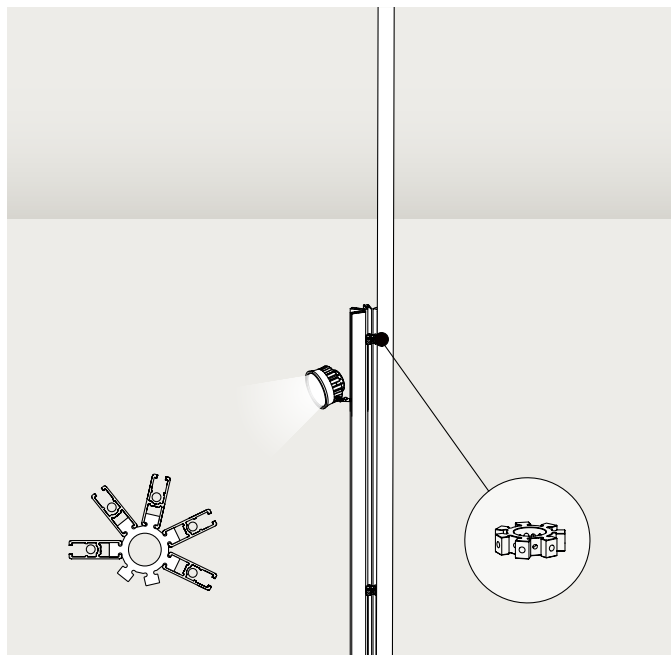
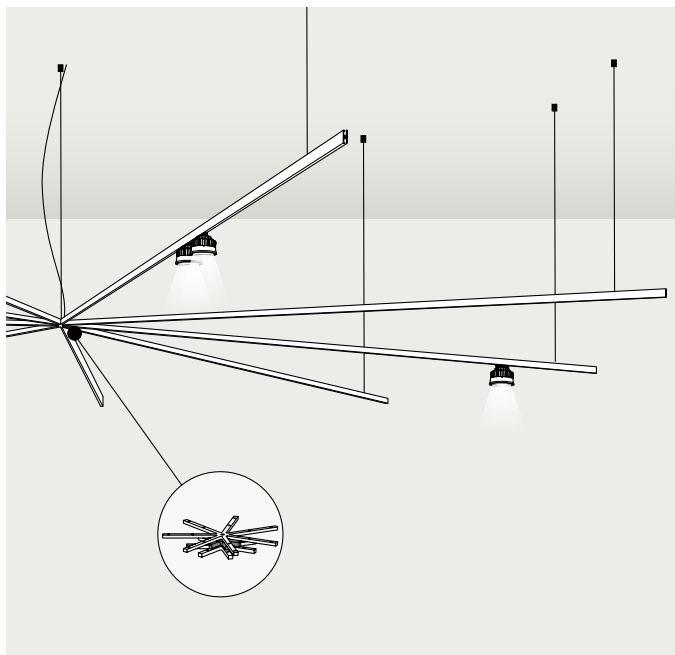
article no.	€ Euro
93505	47,00



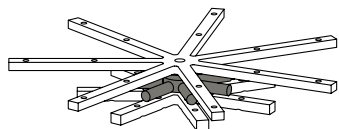
### flat clip

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	69,00
○ 91959 w	
● 91959 b	



## Connectors



### star-shaped connectors horizontal, conductive

Star-shaped connectors are 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.

rays	article no.	€ Euro
5	93805	248,00
6	93806	279,00
7	93807	310,00
8	93808	339,00
9	93809	371,00
10	93810	400,00
11	93811	429,00
12	93812	460,00

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



### 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.

rays	article no.	€ Euro
5	95705	114,00
6	95706	114,00
7	95707	114,00
8	95708	114,00
9	95709	114,00
10	95710	114,00
11	95711	114,00
12	95712	114,00

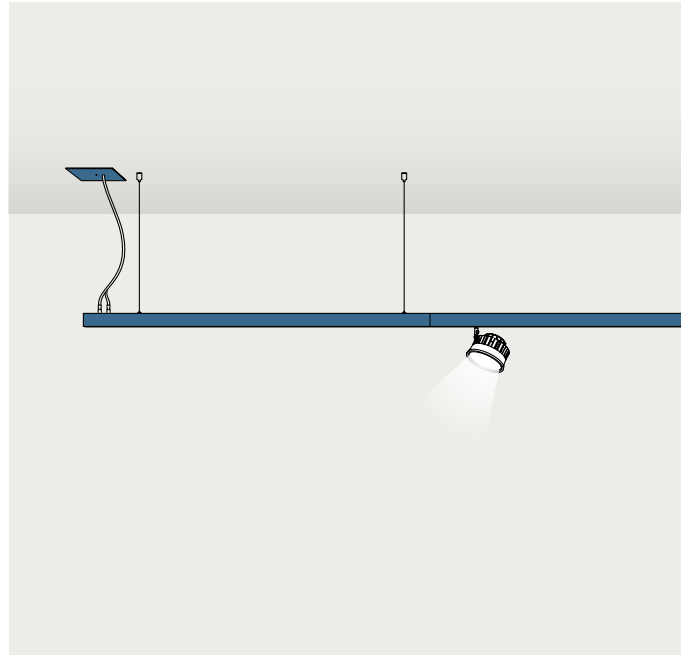
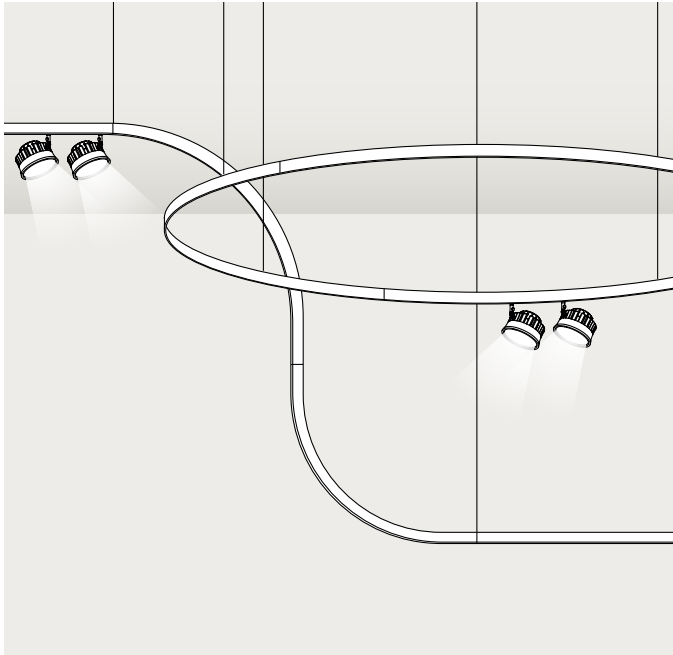
<https://buschfeld.de/en/how-it-works/88112>



We are glad to help you achieve your design ideas.

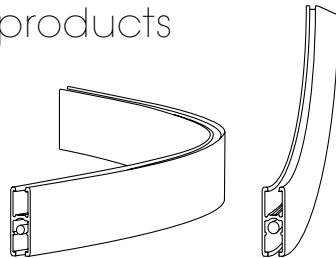


Design: buschfeld Design



### Customised products

#### bended tracks



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](mailto:info@buschfeld.de)  
Further information on page 135.

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

#### colour

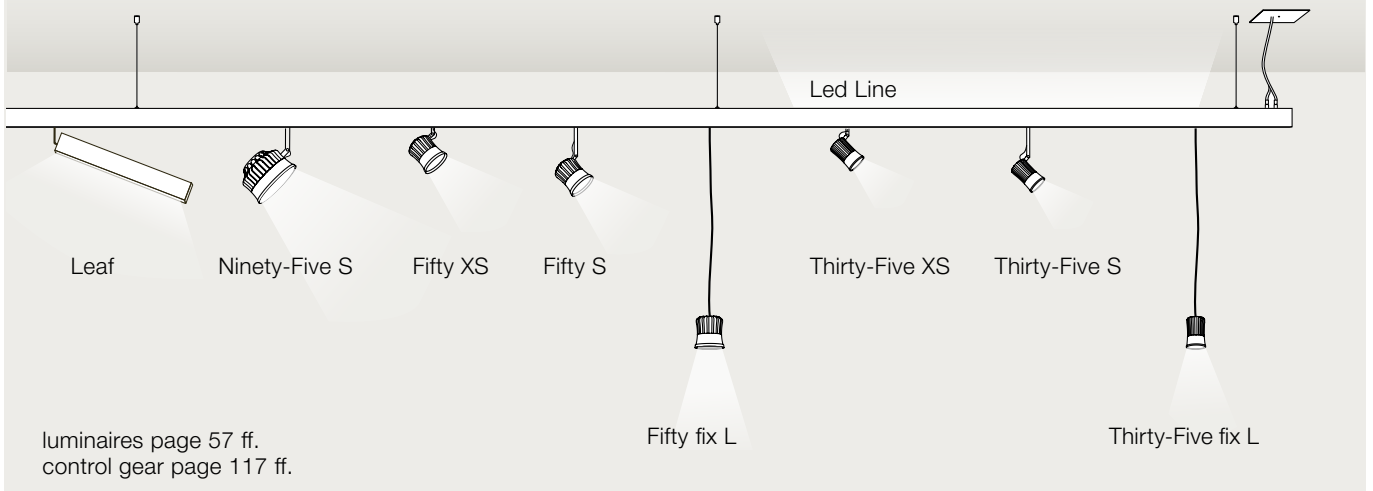


All track and shades can be custom made in the colour (RAL or NCS-compliant) of your choice.

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](mailto:info@buschfeld.de)  
Further information on page 136.

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

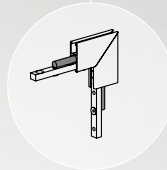
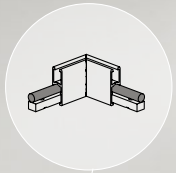
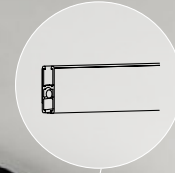
### Luminaires for pend48



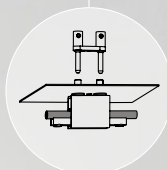
luminaires page 57 ff.  
control gear page 117 ff.

● 48-93042  
ceiling track,  
black

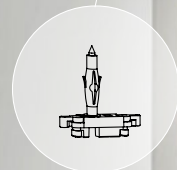
● 95242  
angle connector 90°  
conductive, black



● 95642  
angle connector 90°,  
on the inside,  
horizontal - vertical,  
conductive, black



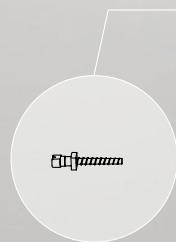
● 95017  
power feed central,  
top centre, black,  
cover plate, black



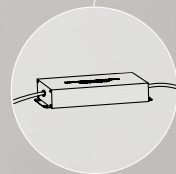
● 91953 b  
mounting kit standard,  
6 mm, black

# Sense System ceiling48 ceiling track

● 91959 b  
flat clip, black



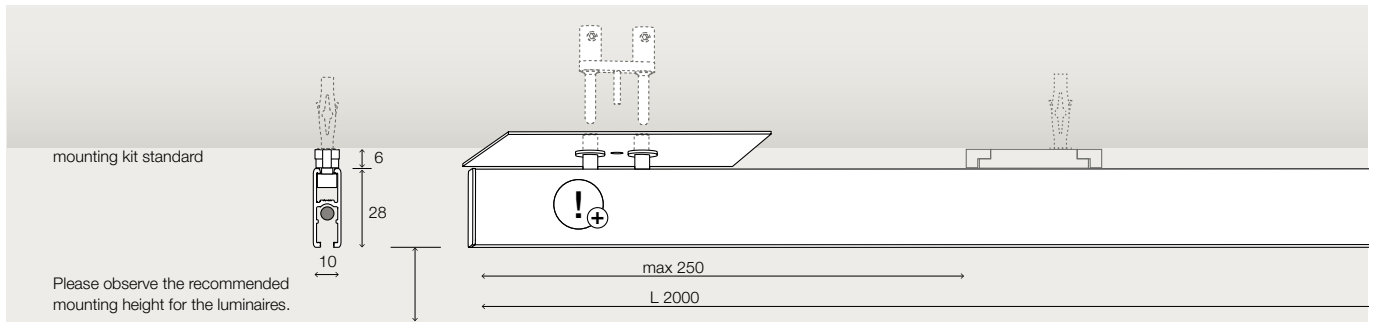
● 91954 b  
mounting kit mini,  
2 mm, black



48-90143  
control gear, MW 150|48 V,  
concealed mounting

The ceiling tracks Ceiling48 can be installed either on ceilings or on walls. Select from three alternatives to assemble them. Ceiling48 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  
48 V DC, 12.5 A

**! Mounting kit to be selected and ordered separately.**

article no.	€ Euro
48-93002	193,00
48-93032	
48-93042	
48-93082	237,00

**ceiling track**

L=3000

Professional Product: please note additional handling and shipping costs.

article no.	€ Euro
48-930023	385,00
48-930323	
48-930423	
48-930823	431,00

**ceiling track with power feed, left or right**

L=2000, can be shortened, with power feed, right or left, cover plate 100x100, incl. plug and 2 end caps, 48 V DC, 12.5 A

**! Cable and mounting kit to be selected and ordered separately.**

article no.	€ Euro
48-95004	296,00
48-95034	
48-95044	
48-95084	339,00

**ceiling track with power feed, left or right**

L=3000

Professional Product: please note additional handling and shipping costs.

article no.	€ Euro
48-950043	488,00
48-950343	
48-950443	
48-950843	533,00

**ceiling track with recessed power feed**

L=2000, left or right, can be shortened, screw contact for power cable max. 2.5 mm<sup>2</sup> incl. 2 end caps, 48 V DC, 12.5 A

**! Cable and mounting kit to be selected and ordered separately.**

article no.	€ Euro
48-93003	255,00
48-93039	
48-93043	
48-93083	298,00

**ceiling track with recessed power feed**

L=3000

Professional Product: please note additional handling and shipping costs.

article no.	€ Euro
48-930033	448,00
48-930393	
48-930433	
48-930833	494,00

**mounting kit standard**

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

article no.	€ Euro
91953	32,00
91953 b	

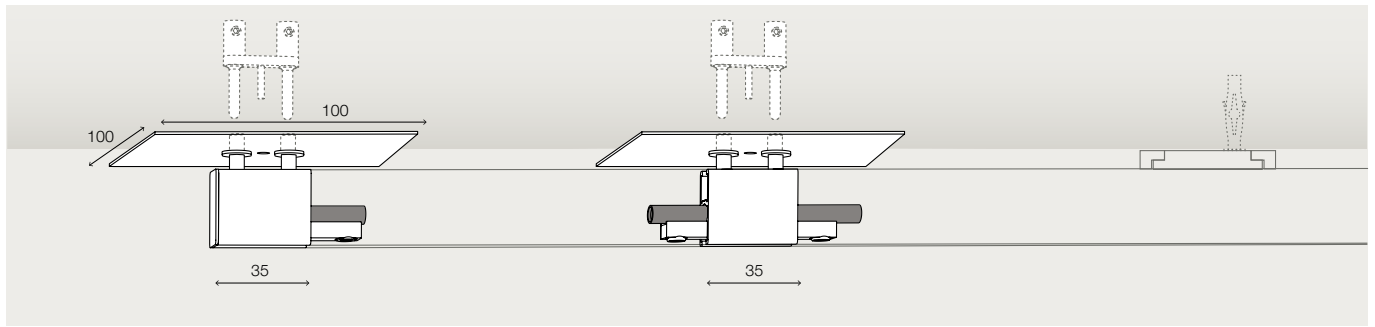
**mounting kit mini**

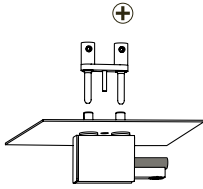
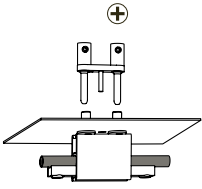
The track can be mounted vertically or horizontally.  
H=2 mm, available in packs of 2

article no.	€ Euro
91954	41,00
91954 b	

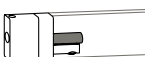
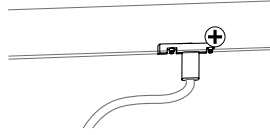
<https://www.buschfeld.de/en/mounting-kit-standard/91953>

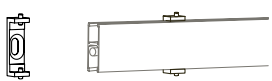

<https://www.buschfeld.de/en/mounting-kit-mini/91954>



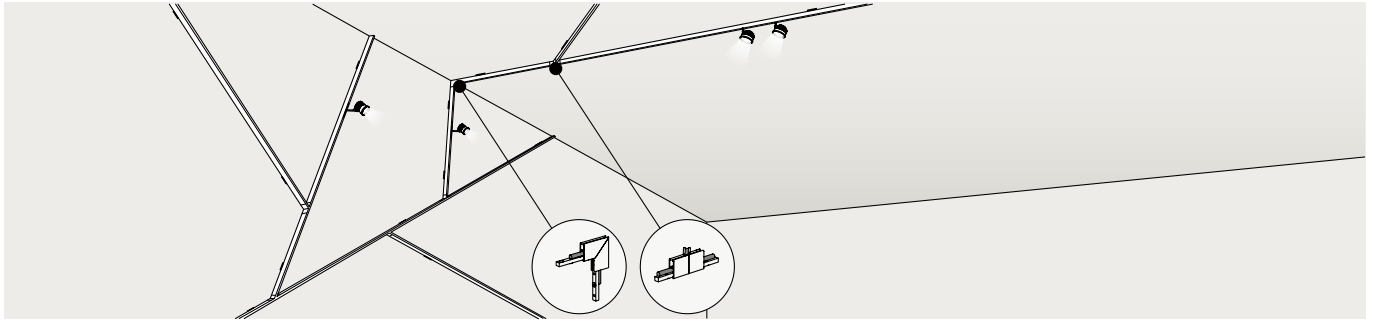
 <p><b>power feed at end, top left or right</b></p> <p>L=35 with cover plate 100x100, incl. plug and 2 end caps, 48 V DC, 12.5 A</p> <p><b>!</b> Cable to be selected and ordered separately.</p>	<p>article no.</p> <ul style="list-style-type: none"> <li><input type="radio"/> 95014</li> <li><input type="radio"/> 95012</li> <li><input type="radio"/> 95013</li> </ul>	<p>€ Euro</p> <p>174,00</p>	 <p><b>power feed central, top centre</b></p> <p>L=35 with cover plate 100x100, incl. plug and 2 end caps, 48 V DC, 12.5 A</p> <p><b>!</b> Cable to be selected and ordered separately.</p>	<p>article no.</p> <ul style="list-style-type: none"> <li><input type="radio"/> 95019</li> <li><input type="radio"/> 95016</li> <li><input type="radio"/> 95017</li> </ul>	<p>€ Euro</p> <p>181,00</p>
--	--	-----------------------------	--	--	-----------------------------

 <p><b>power feed for power cable, on axis left or right</b></p> <p>L=18, screw contact for power cable incl. end cap, 48 V DC, 12.5 A</p> <p><b>!</b> Cable to be selected and ordered separately.</p>	<p>article no.</p> <ul style="list-style-type: none"> <li><input type="radio"/> 91104</li> <li><input type="radio"/> 91105</li> <li><input type="radio"/> 91125</li> <li><input type="radio"/> 91129</li> </ul>	<p>€ Euro</p> <p>109,00</p>	 <p><b>LV stranded cable</b></p> <p>silver transparent incl. 4 cable end sleeves</p> <p>2x2,5 mm<sup>2</sup>, running metre</p> <p>2x4 mm<sup>2</sup>, running metre</p> <p>2x6 mm<sup>2</sup>, running metre</p>	<p>article no.</p> <ul style="list-style-type: none"> <li>90525</li> <li>90520</li> <li>90500</li> </ul>	<p>€ Euro</p> <p>16,00</p> <p>18,00</p> <p>19,00</p>
---	---	-----------------------------	---	--	--








 <p><b>power feed for fabric cable, on axis left or right</b></p> <p>L=31 mm, screw contact, fabric cables with outside diameter of max. 7.0 mm, incl. end cap, 48 V DC, 12.5 A</p> <p><b>!</b> Fabric cable to be selected and ordered separately. Please note a possible power limitation for the supply cable.</p>	<p>article no.</p> <ul style="list-style-type: none"> <li><input type="radio"/> 91137</li> <li><input type="radio"/> 91138</li> <li><input type="radio"/> 91139</li> <li><input type="radio"/> 91140</li> </ul>	<p>€ Euro</p> <p>109,00</p>	 <p><b>adapter power feed, positioned as required, for fabric cable</b></p> <p>adapter power feed, hide, incl. 1 end cap, fits into the inner conductor side of the track, for fabric cable with an outer diameter max. 7.0 mm, 48 V DC, 12.5 A</p> <p><b>!</b> Fabric cable to be selected and ordered separately. Please note a possible power limitation for the supply cable.</p>	<p>article no.</p> <ul style="list-style-type: none"> <li><input type="radio"/> 91131</li> <li><input type="radio"/> 91133</li> <li><input type="radio"/> 91135</li> <li><input type="radio"/> 91141</li> </ul>	<p>€ Euro</p> <p>109,00</p>
--	---	-----------------------------	--	---	-----------------------------

 <p><b>flat clip</b></p> <p>For mounting track flat on the wall / ceiling. The track can be mounted vertically or horizontally. Available in packs of 3</p>	<p>article no.</p> <ul style="list-style-type: none"> <li><input type="radio"/> 91959 a</li> <li><input type="radio"/> 91959 w</li> <li><input type="radio"/> 91959 b</li> </ul>	<p>€ Euro</p> <p>69,00</p>	 <p><b>fabric cable</b></p> <p>running meter, round flexible cable, double insulated, covered by cotton, outside diameter 6,2 mm, cable cross-section 2 x 0.75 mm<sup>2</sup></p> <p><b>!</b> power max. 200 W for max. cable length of L &lt; 5000 mm Selection of <a href="http://www.creative-cables.com">www.creative-cables.com</a></p> <p>*The fabric cable colour - RC43 is our choice to match the bronze track colour.</p>	<p>article no.</p> <ul style="list-style-type: none"> <li><input type="radio"/> 90551-RC35</li> <li><input type="radio"/> 90551-RC01</li> <li><input type="radio"/> 90551-RC04</li> <li><input type="radio"/> 90551-RC43*</li> </ul>	<p>€ Euro</p> <p>8,00</p>
--	--	----------------------------	--	--	---------------------------





<https://buschfeld.de/en/products/sense-system/48-91959>



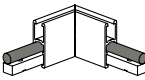

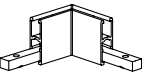







## Connectors

			
<b>linear connector, conductive</b>	<b>linear connector, insulated</b>		
article no.	€ Euro	article no.	€ Euro
L=0	91302	53,00	L=1
		<ul style="list-style-type: none"> <li> 91304</li> <li> 91305</li> <li> 91307</li> </ul>	7,00

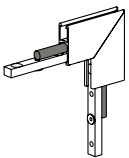

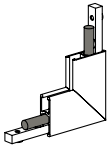







---

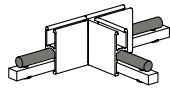
			
<b>joint connector 80-280°, horizontal-horizontal</b>	<b>joint connector 70-290°, horizontal-slanting</b>		
article no.	€ Euro	article no.	€ Euro
L=0 mitre cut required on site	91502	98,00	L=0 mitre cut required on site e.g. in stairwells
conductive		91504	98,00

---

			
<b>angle connector 90°, conductive</b>	<b>angle connector 90°, insulated</b>		
article no.	€ Euro	article no.	€ Euro
L=35	<ul style="list-style-type: none"> <li> 95202</li> <li> 95232</li> <li> 95242</li> </ul>	81,00	L=35
		<ul style="list-style-type: none"> <li> 95205</li> <li> 95235</li> <li> 95245</li> </ul>	81,00

---

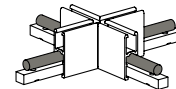
			
<b>angle connector 90°, on the inside, horizontal-vertical, conductive</b>	<b>angle connector 90°, on the outside, horizontal-vertical, conductive</b>		
article no.	€ Euro	article no.	€ Euro
L=50, inner conductor on the inside solid component (no mitre cut required)	<ul style="list-style-type: none"> <li> 95602</li> <li> 95632</li> <li> 95642</li> </ul>	81,00	L=50, inner conductor on the outside solid component (no mitre cut required)
		<ul style="list-style-type: none"> <li> 95702</li> <li> 95732</li> <li> 95742</li> </ul>	81,00



**T-connector,  
3-way conductive**

L=60  
Other versions available on request.

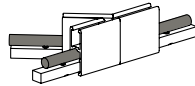
article no.	€ Euro
95302	122,00
95332	
95342	



**cross connector,  
4-way conductive**

L=60  
Other versions available on request.

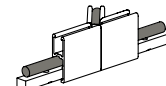
article no.	€ Euro
95402	161,00
95432	
95442	



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

L=60  
Other versions available on request.

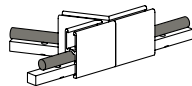
article no.	€ Euro
95902	122,00
95932	
95942	



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

L=60  
Other versions available on request.

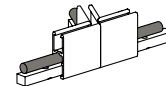
article no.	€ Euro
95903	122,00
95933	
95943	



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

L=60  
Other versions available on request.

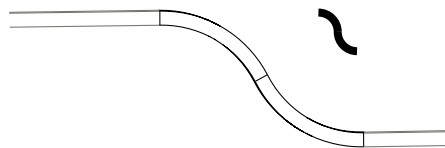
article no.	€ Euro
95904	122,00
95934	
95944	



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

L=60  
Other versions available on request.

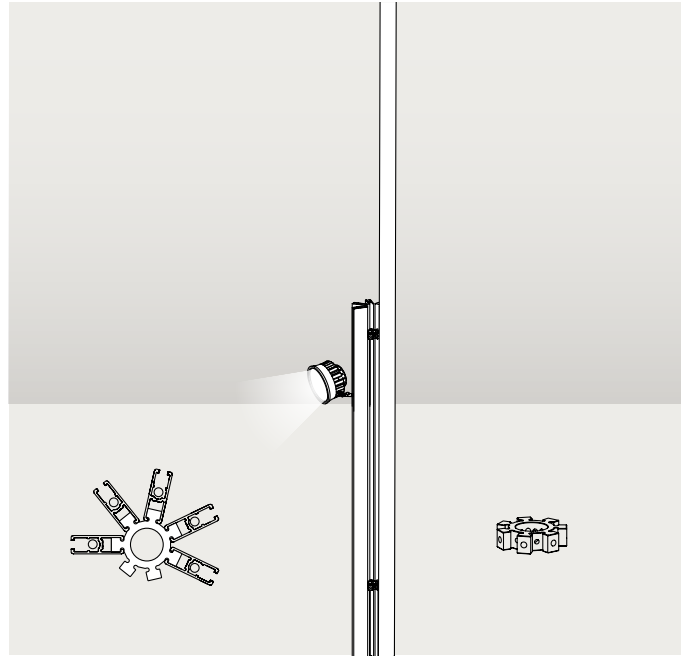
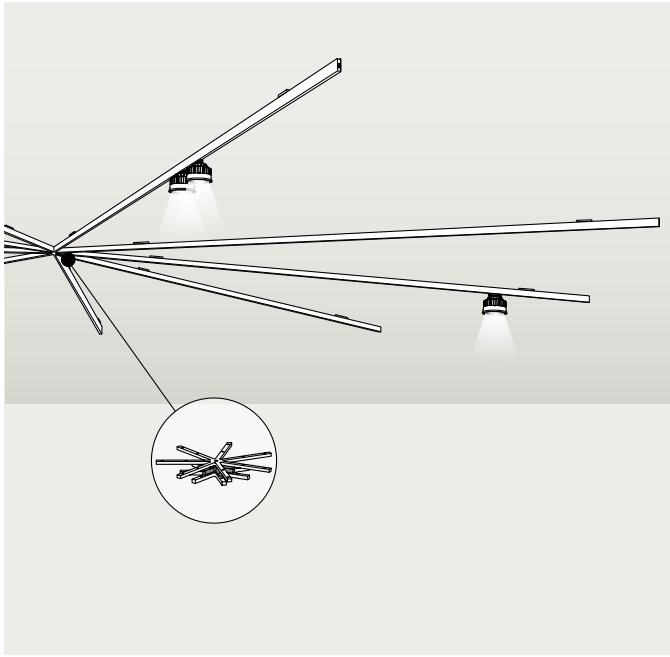
article no.	€ Euro
95905	122,00
95935	
95945	



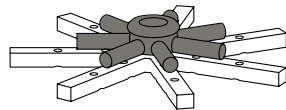
**arch connector  
S-shape pend48 / ceiling48**

L=370, H=157  
for horizontal - vertical height  
adjustment in the arch

article no.	€ Euro
95842	309,00



## Connectors



### star-shaped connectors horizontal, conductive

	rays	article no.	€ Euro
Star-shaped connectors horizontal, conductive	5	95805	158,00
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.	6	95806	182,00
	7	95807	206,00
	8	95808	228,00
	9	95809	253,00
	10	95810	274,00
	11	95811	298,00
	12	95812	321,00

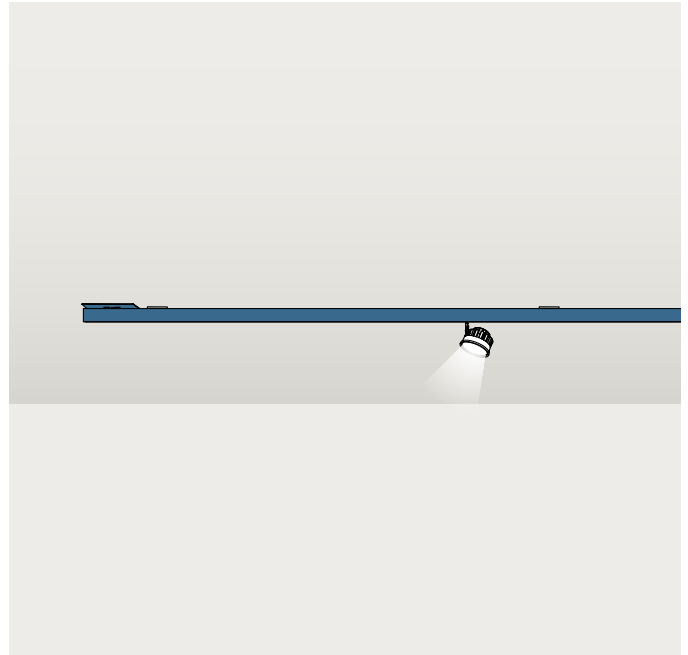
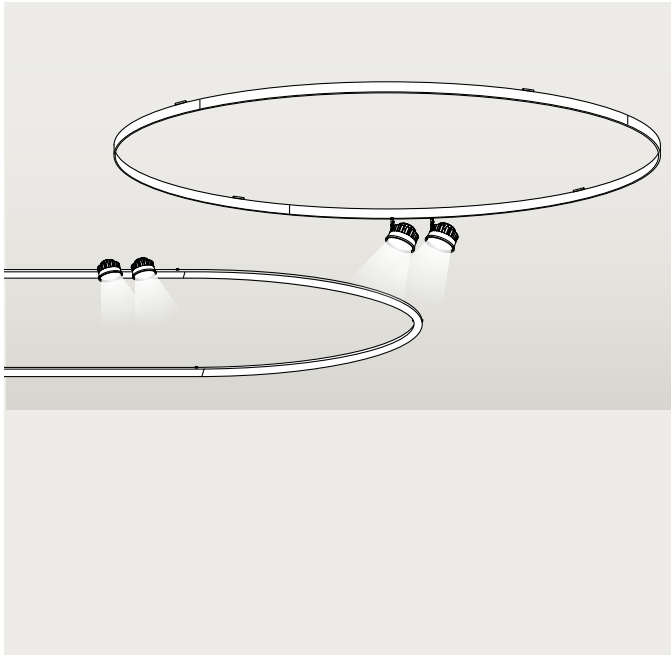
<https://buschfeld.de/en/how-it-works/88111>

### star-shaped connectors vertical, non-conductive

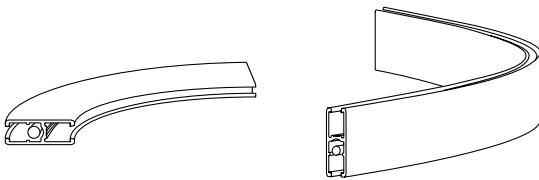
	rays	article no.	€ Euro
Available with 5-12 beams. The track is inserted directly onto the connector, running parallel. The connection is purely mechanical. Power feeds are applied as required. Please inquire separately.	5	95705	114,00
	6	95706	114,00
	7	95707	114,00
	8	95708	114,00
	9	95709	114,00
	10	95710	114,00
	11	95711	114,00
	12	95712	114,00

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

We are glad to help you achieve your design ideas.



### Customised products



**bended tracks**

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](mailto:info@buschfeld.de)  
Further information on page 135.

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



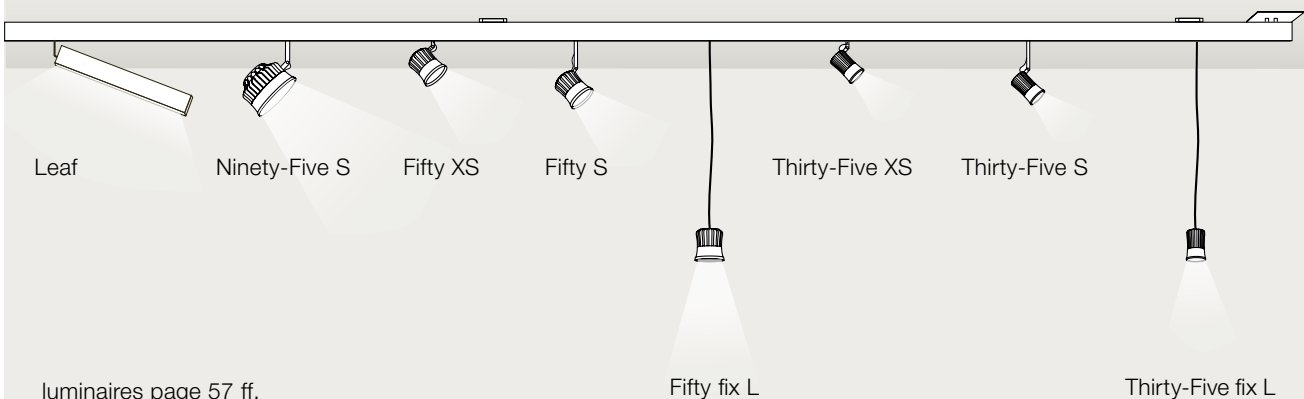
**colour**

All track and shades can be custom made in the colour (RAL or NCS-compliant) 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](mailto:info@buschfeld.de)  
Further information on page 136.

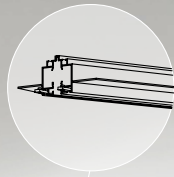
<https://buschfeld.de/en/how-it-works/88107>

### Luminaires for ceiling48



luminaires page 57 ff.  
control gear page 117 ff.

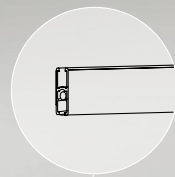
98200  
drywall profile



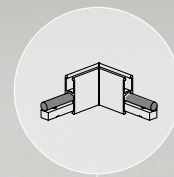
91955  
mounting kit for  
flush mounting



48-93042  
recessed track,  
black



95242  
angle connector 90°,  
conductive black



91957  
fastening clip for semi-  
recessed mounting

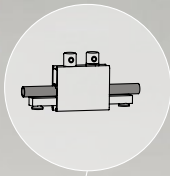


91955  
mounting kit for  
flush mounting

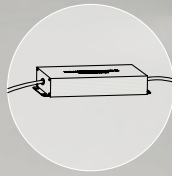


# Sense System in48 recessed track

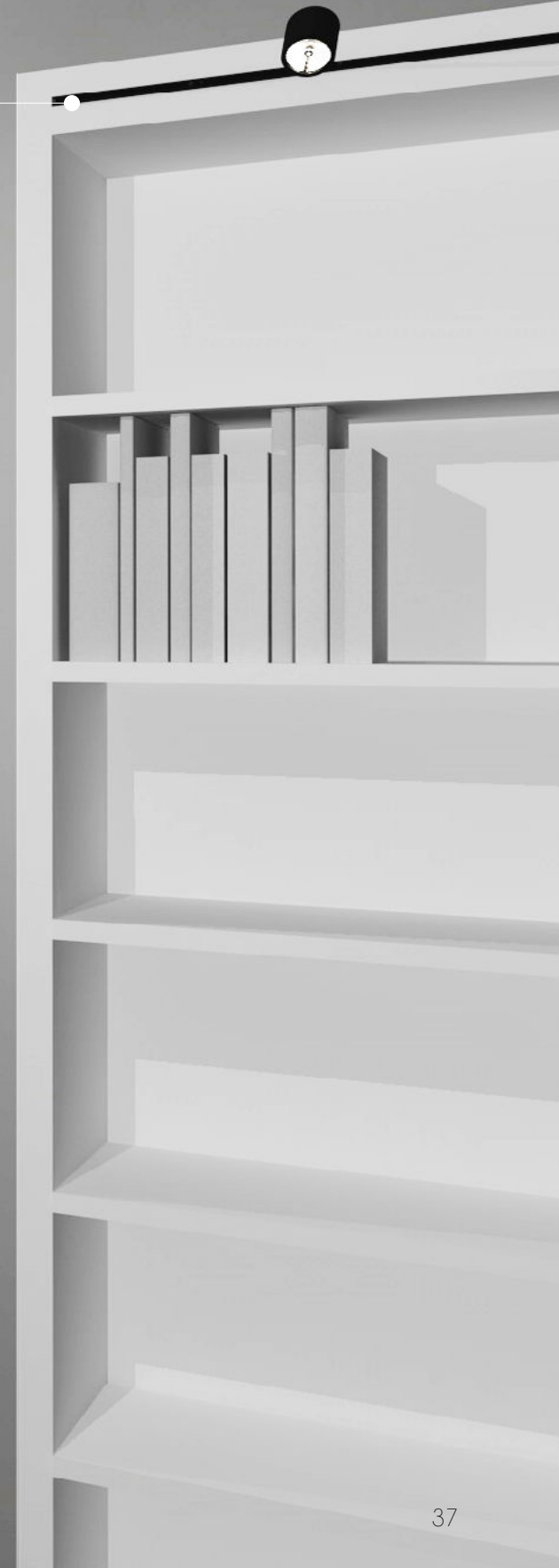
● 93617  
power feed top centre,  
black



48-90143  
control gear MW 150 | 48 V,  
concealed mounting



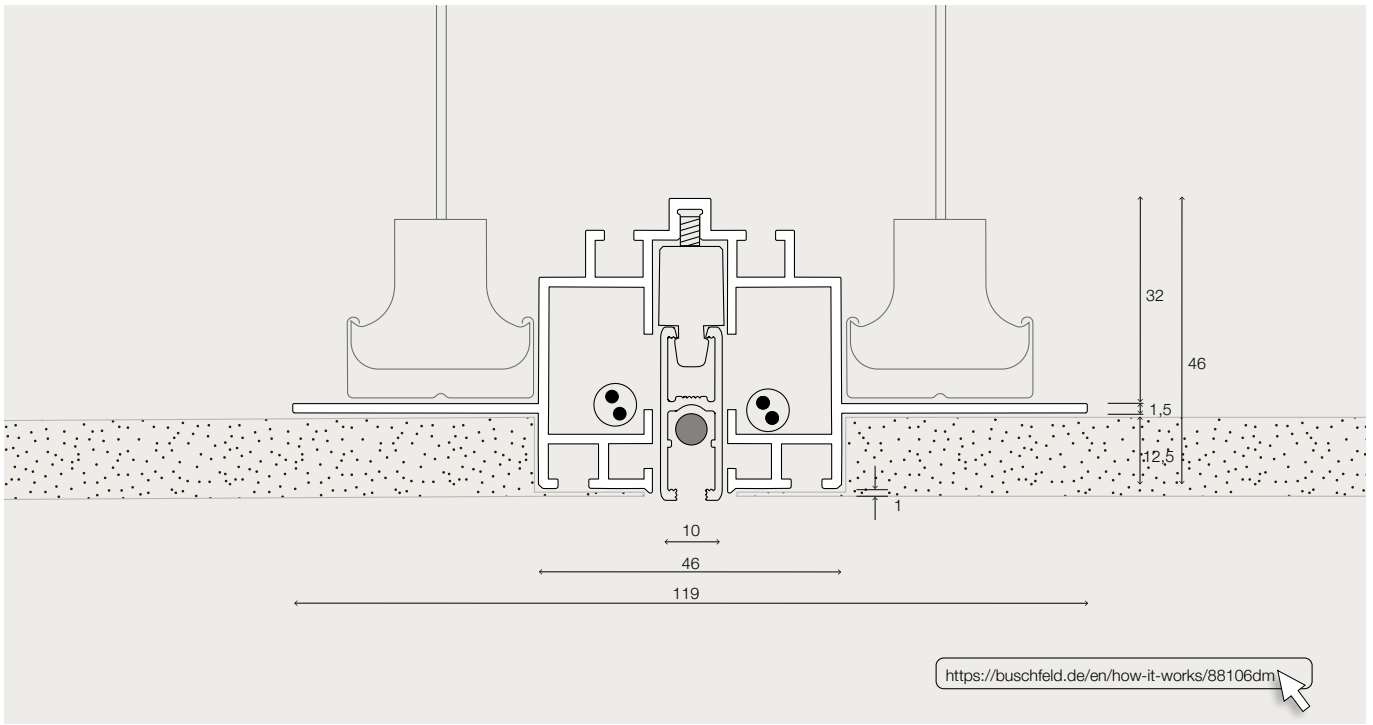
91956  
fastening clip for mounting  
in shelves and cupboards



The recessed track In48 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

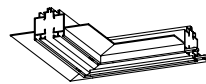


### drywall profiles

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

article no.	€ Euro
98200	153,00

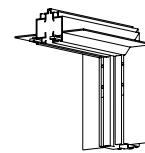
**1** Mounting set for the recessed track must be selected and ordered separately.



### corner element 90° horizontal-horizontal

Aluminium profile for flush mounting on ceilings or walls

article no.	€ Euro
98050	133,00



### corner element 90°, horizontal-vertical

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

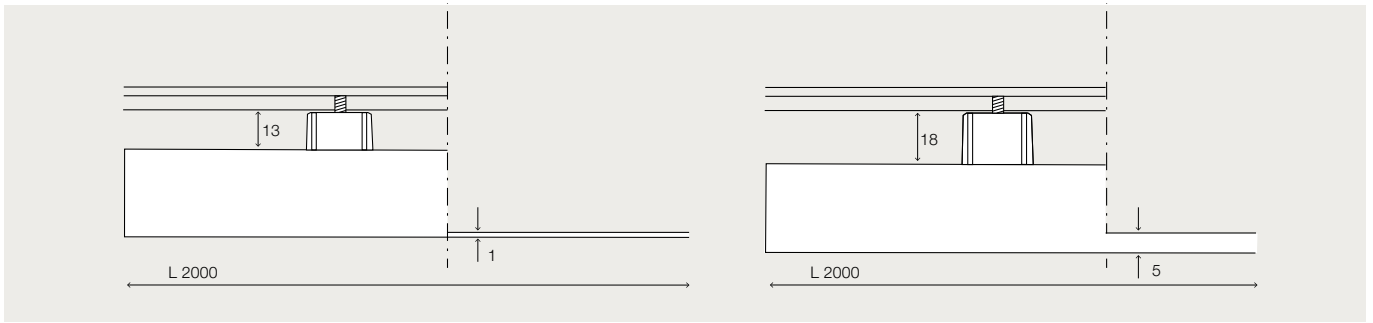
article no.	€ Euro
98055	133,00



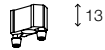
### LV stranded cable

silver transparent  
incl. 4 cable end sleeves

	article no.	€ Euro
2x2,5 mm <sup>2</sup> , running metre	90525	16,00
2x4 mm <sup>2</sup> , running metre	90520	18,00
2x6 mm <sup>2</sup> , running metre	90500	19,00



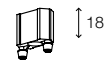
## Mounting kits



### mounting kit in for flush mounting

see illustration above,  
1 mm of the In48 track remains visible  
supplied in packs of 5

article no.	€ Euro
91955	53,00



### mounting kit in for semi-recessed mounting

see illustration above,  
5 mm of the In48 track remain visible  
supplied in packs of 5

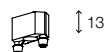
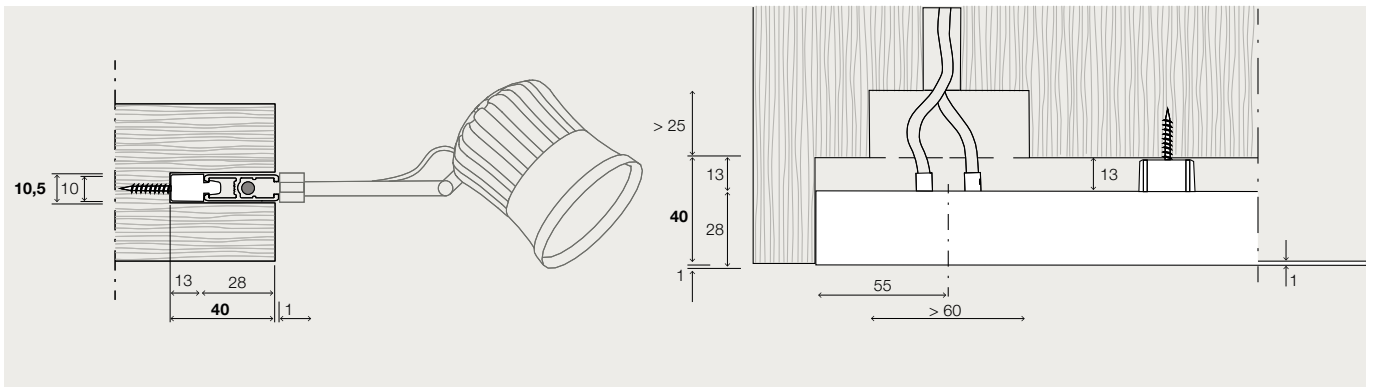
article no.	€ Euro
91957	53,00



### distance tape

required for horizontal  
mounting of in48 track  
L=5000

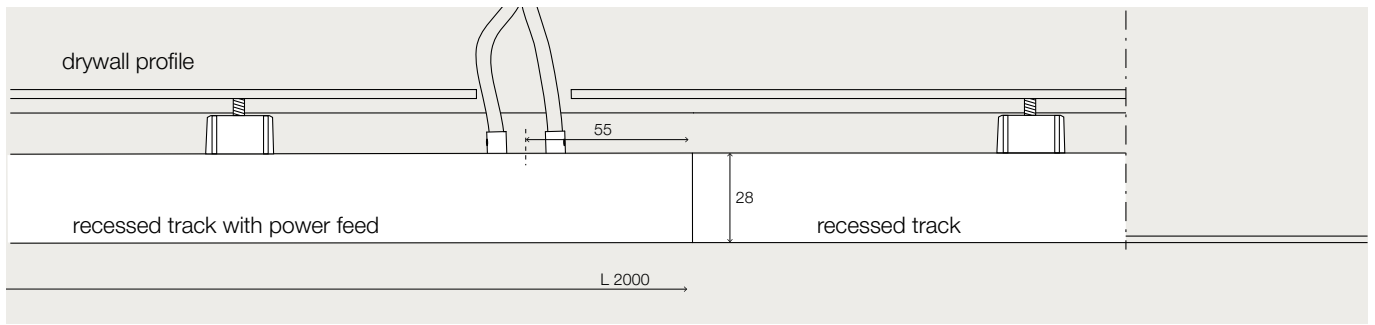
article no.	€ Euro
91958	27,00



### mounting kit in for mounting in shelves

in48 mounting kit for mounting in  
shelves, 1 mm of the track remains  
visible, supplied in packs of 2,  
NB instructions re. milling!

article no.	€ Euro
91956	35,00



## Recessed track with power feed



### recessed track

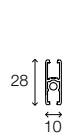
L=2000  
can be shortened  
48 V DC, 12.5 A

⚠ **Mounting kit to be selected and ordered separately.**

article no.	€ Euro
48-93002	193,00
48-93032	
48-93042	
48-93082	237,00

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

article no.	€ Euro
48-930023	385,00
48-930323	
48-930423	
48-930823	431,00



### recessed track with power feed

L=2000  
left or right, can be shortened,  
screw contact for power cable  
incl. 2 end caps, 48 V DC, 12.5 A

⚠ **Cable and mounting kit to be selected and ordered separately.**

article no.	€ Euro
48-93006	255,00
48-93036	
48-93046	
48-93086	298,00

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

article no.	€ Euro
48-930063	448,00
48-930363	
48-930463	
48-930863	494,00



### recessed track with recessed power feed

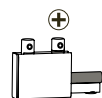
L=2000, left or right, can be shortened,  
screw contact for power cable,  
max. 2.5 mm² !  
incl. 2 end caps, 48 V DC, 12.5 A

⚠ **Cable and mounting kit to be selected and ordered separately.**

article no.	€ Euro
48-93003	255,00
48-93039	
48-93043	
48-93083	298,00

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

article no.	€ Euro
48-930033	448,00
48-930393	
48-930433	
48-930833	494,00

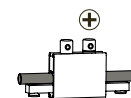


### power feed, top left or right

L=35, screw contact for power cable,  
incl. 2 end caps  
48 V DC, 12.5 A

⚠ **Cable to be selected and ordered separately.**

article no.	€ Euro
93614	132,00
93612	
93613	



### power feed, top centre

L=35, screw contact for power cable  
incl. 2 end caps  
48 V DC, 12.5 A

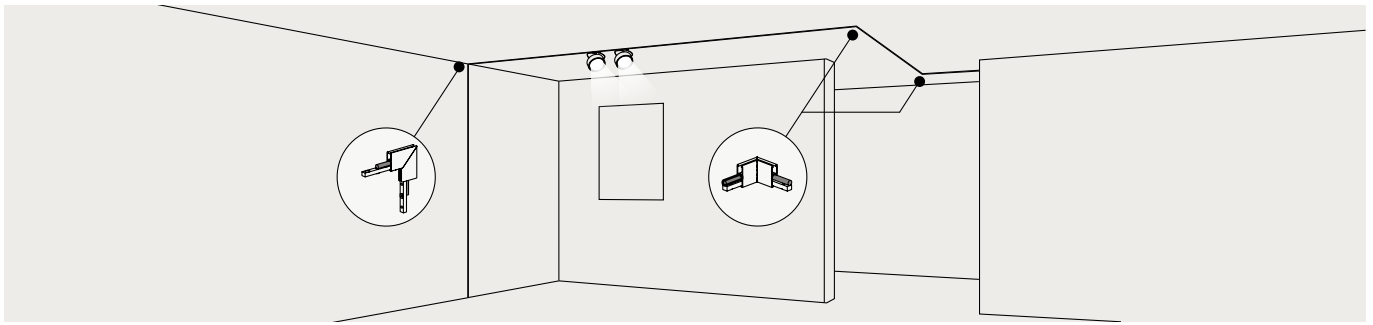
⚠ **Cable to be selected and ordered separately.**

article no.	€ Euro
93619	141,00
93616	
93617	





Design: Hans Buschfield

2508-244



## Connectors

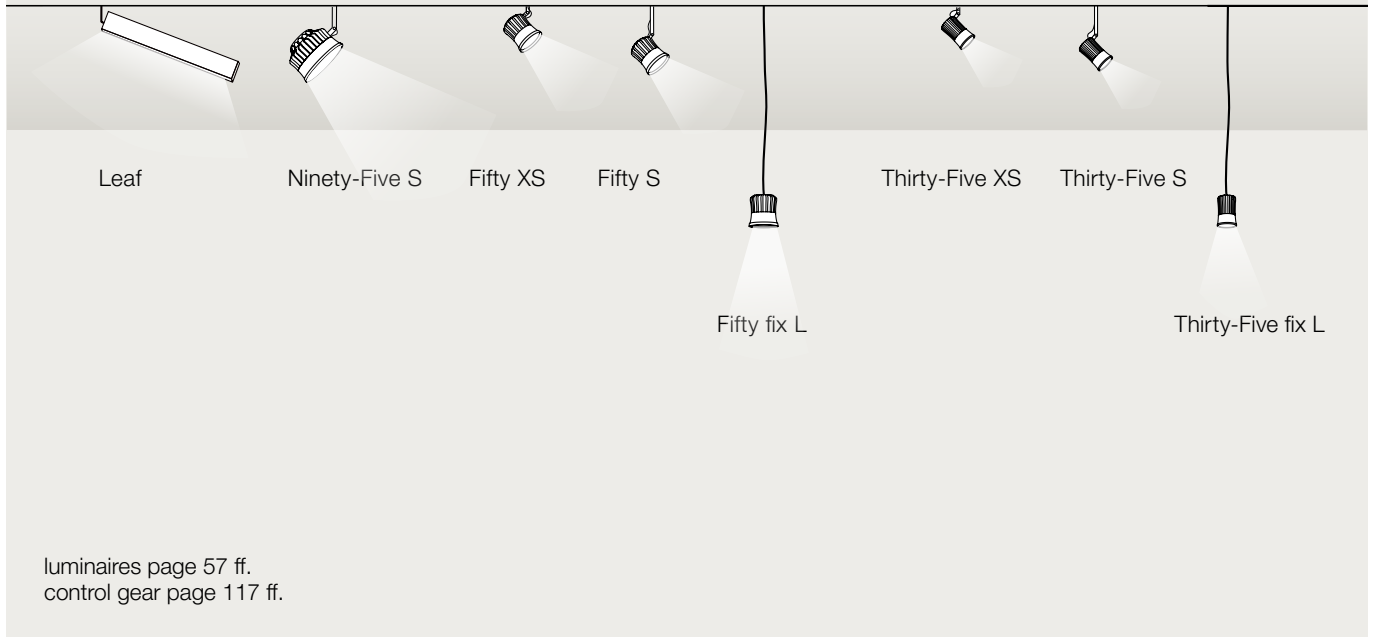
					
<b>linear connector, conductive</b>	article no.	€ Euro	<b>linear connector, insulated</b>	article no.	€ Euro
L=0	91302	53,00	L=1	<ul style="list-style-type: none"> <li> 91304</li> <li> 91305</li> <li> 91307</li> </ul>	7,00

		
<b>joint connector 80-280°, horizontal-horizontal, conductive</b>	article no.	€ Euro
L=0 mitre cut required on site	91502	98,00

					
<b>angle connector 90°, conductive</b>	article no.	€ Euro	<b>angle connector 90°, insulated</b>	article no.	€ Euro
L=35	<ul style="list-style-type: none"> <li> 95202</li> <li> 95232</li> <li> 95242</li> </ul>	81,00	L=35	<ul style="list-style-type: none"> <li> 95205</li> <li> 95235</li> <li> 95245</li> </ul>	81,00

					
<b>angle connector 90°, on the inside, horizontal-vertical, conductive</b>	article no.	€ Euro	<b>angle connector 90°, on the outside, horizontal-vertical, non-conductive</b>	article no.	€ Euro
L=50 horizontal-vertical inner conductor on the inside	<ul style="list-style-type: none"> <li> 95602</li> <li> 95632</li> <li> 95642</li> </ul>	81,00	L=50 horizontal-vertical inner conductor on the outside	<ul style="list-style-type: none"> <li> 95702</li> <li> 95732</li> <li> 95742</li> </ul>	81,00

# Luminaires for in48



luminaires page 57 ff.  
control gear page 117 ff.

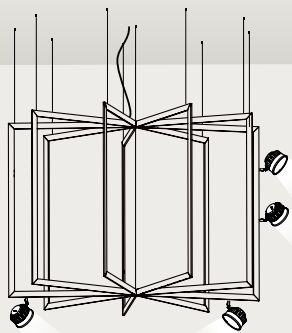


Sense System  
freestyler  
3D track structure

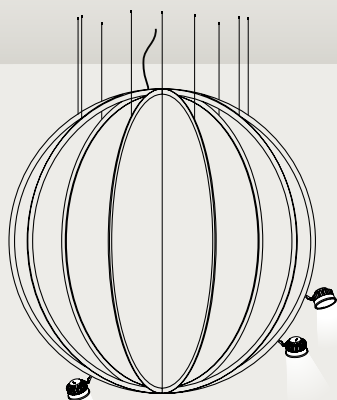
# freestyler

The Freestyler® typology is based on star-shaped connectors that eliminate the traditional dimensions of length and width and introduce space as a new dimension. The unique arrangement of beams and curved tracks Freestyler opens up limitless possibilities for the design of individual lighting objects. Cylindrical structures or geometric grids are also possible.

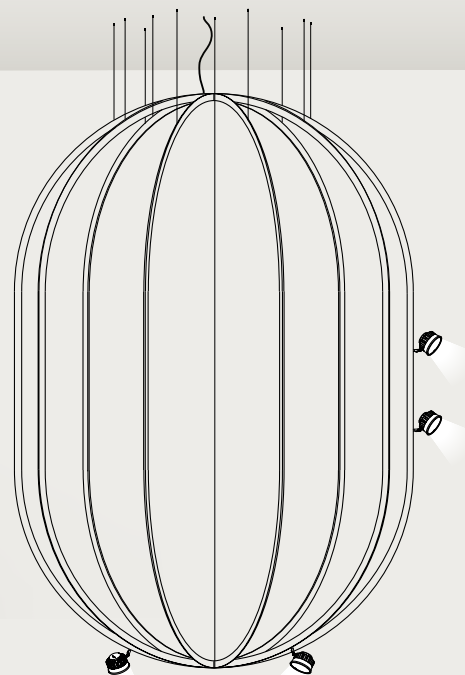
blade wheel



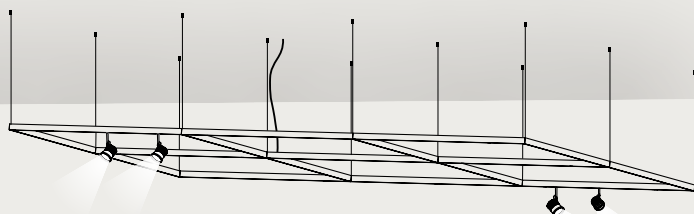
sphere



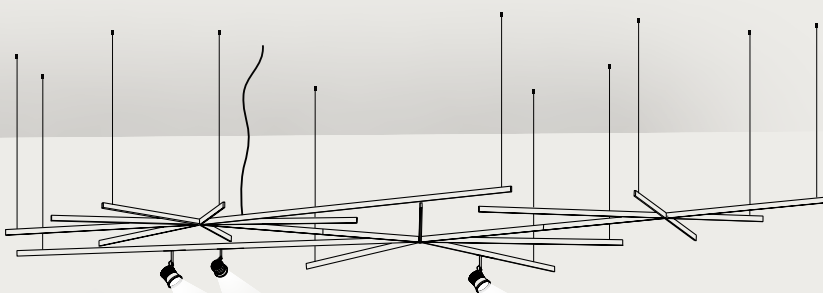
sphere



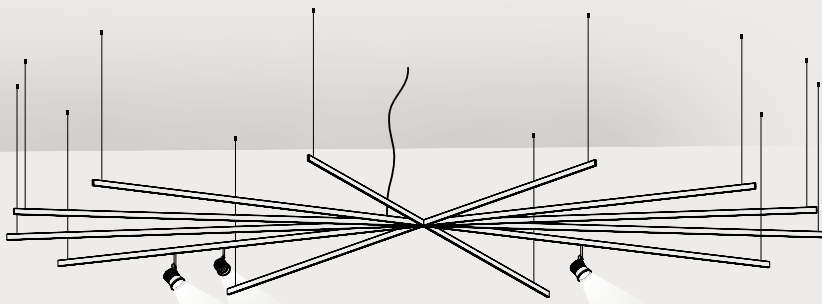
square



starry sky



starry sky







**Sense System**  
**tri48 floor & steel48 floor**  
free-standing luminaires



The Tri48 Floor and Steel48 Floor free-standing luminaires serve as excellent enhancements to ceiling or wall-mounted light tracks. Nevertheless, they also offer a convenient standalone option. Their simple placement and connection make them particularly suitable for spaces like historic parlors adorned with valuable wall and ceiling decorations.



Moreover, the digital control capability of these spotlights allows for precise control over the lighting without the need for extra installation efforts or control cables.

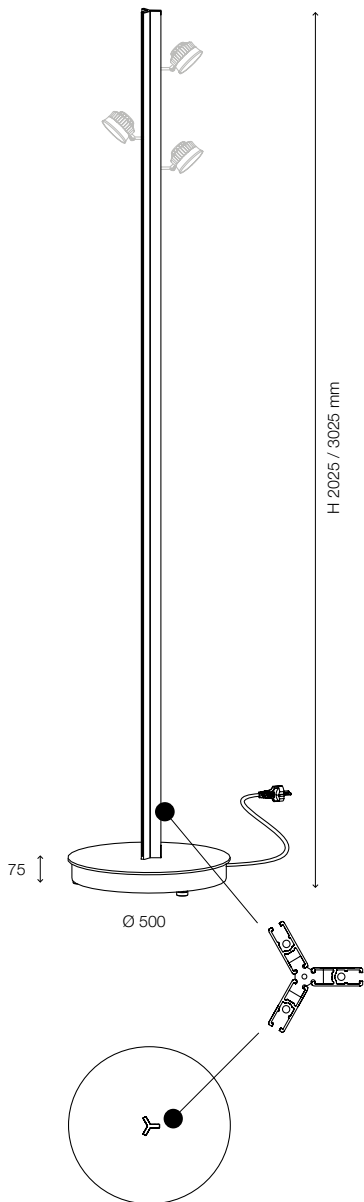


Photo: © Lennart Wiedemuth für Buschfeld Design, Bayerische Schlösserverwaltung

Sense System Tri48 Floor, black  
with Ninety-Five S luminaires

Design: buschfeld Design





**tri48 floor**

free-standing luminaire

Free-standing floor luminaire with three track channels for locking in place any spotlight from the Sense System.

PRI 230 V | SEC 48 V DC | 240 W  
 switching power supply unit in base  
 steel base round Ø 500 mm, base height 75 mm, weight ~ 25kg  
 colours of base and pole can be different  
 cable with safety plug, 2.5 m, black

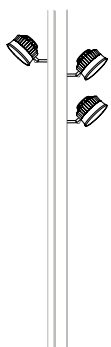
plus Sense System luminaires (page 57ff): Ninety-Five S, Fifty S, Fifty XS, Thirty-Five S, Thirty-Five XS or Leaf.

	colour of track	article no.	€ Euro
Height of luminaire 2025 mm	alumatt	48-97255 a	3.165,00
	white	48-97255 w	3.165,00
	black	48-97255 b	3.165,00
	bronze	48-97255 c	3.288,00
Height of luminaire 3025 mm	alumatt	48-97355 a	3.536,00
	white	48-97355 w	3.536,00
	black	48-97355 b	3.536,00
	bronze	48-97355 c	3.662,00

**Accessories**

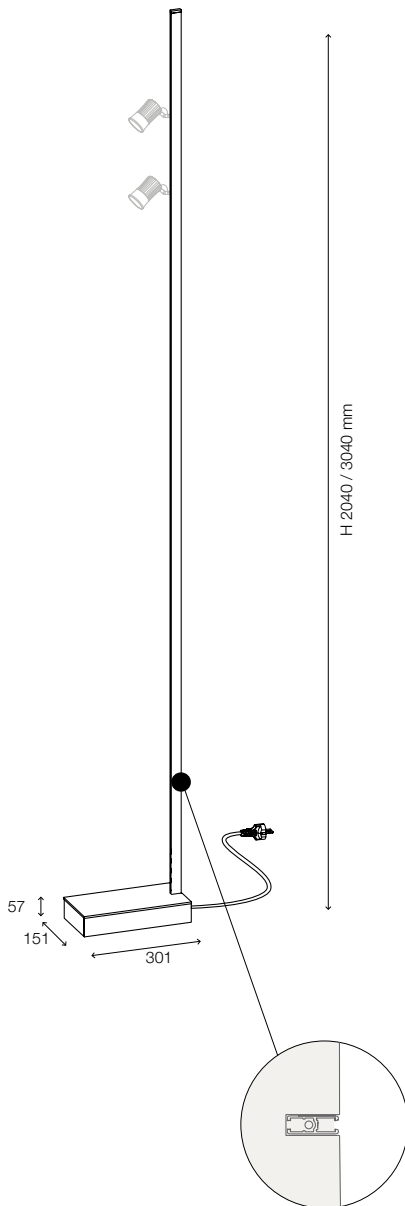
foot switch black	8404 b	38,00
-------------------	--------	-------

Graduated prices are possible for extensive projects, and we also offer individual custom-made products. Please send us an e-mail.



**Number of luminaires per free-standing luminaire**

Ninety-Five S	1 - 11
Fifty S, Fifty XS	1 - 14
Thirty-Five S, Thirty-Five XS	1 - 25



**steel48 floor**

free-standing luminaire

Slimline free-standing luminaire with one track channel for locking in place any spotlight from the Sense System.

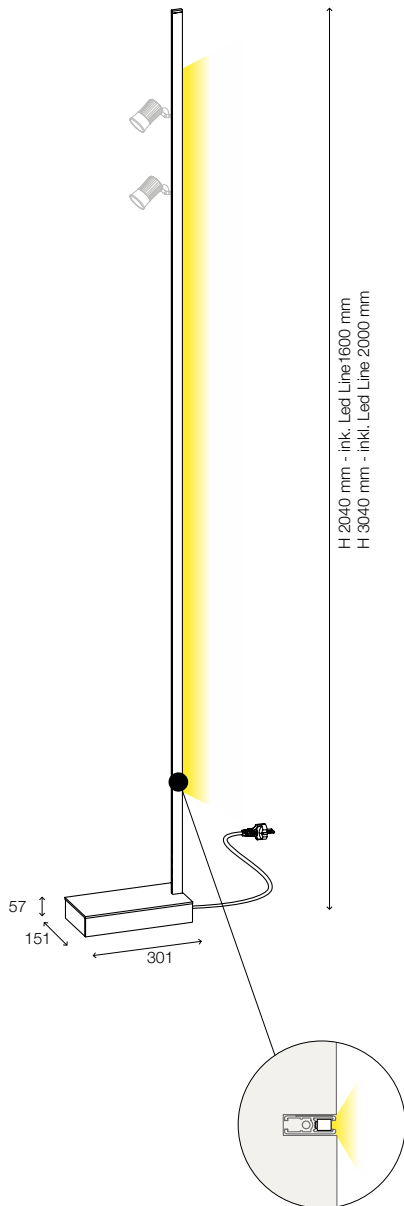
PRI 230 V | SEC 48 V DC | 150 W  
 switching power supply unit in base  
 steel base 495 mm x 315 mm x 70 mm, 20 kg  
 colours of base and pole can be different  
 cable with safety plug, 2.5 m, black

plus Sense System luminaires (page 57ff): Fifty S, Fifty XS, Thirty-Five S, Thirty-Five XS or Leaf.

	colour of track	article no.	€ Euro
Height of luminaire 2040 mm	alumatt	48-97205 a	1.259,00
	white	48-97205 w	1.259,00
	black	48-97205 b	1.259,00
	bronze	48-97205 c	1.300,00
Height of luminaire 3040 mm	alumatt	48-97305 a	1.439,00
	white	48-97305 w	1.439,00
	black	48-97305 b	1.439,00
	bronze	48-97305 c	1.481,00
<b>Accessories</b>			
foot switch black		8404 b	38,00

Number of luminaires per free-standing luminaire	Height of Luminaire without Led Line	2040 mm / 3040 mm
Fifty S, Fifty XS		1 - 9
Thirty-Five S, Thirty-Five XS		1 - 15
Ninety-Five S		1 - 6

Only suitable to a limited extent because of the head size!



**steel48 floor**

free-standing luminaire

Slimline free-standing luminaire with one track channel for locking in place any spotlight from the Sense System.

PRI 230 V | SEC 48 V DC | 150W  
 switching power supply unit in base  
 steel base 495 mm x 315 mm x 70 mm, 20 kg  
 colours of base and pole can be different  
 cable with safety plug, 2.5 m, black

plus Sense System luminaires (page 57ff): Fifty S, Fifty XS, Thirty-Five S, Thirty-Five XS or Leaf.

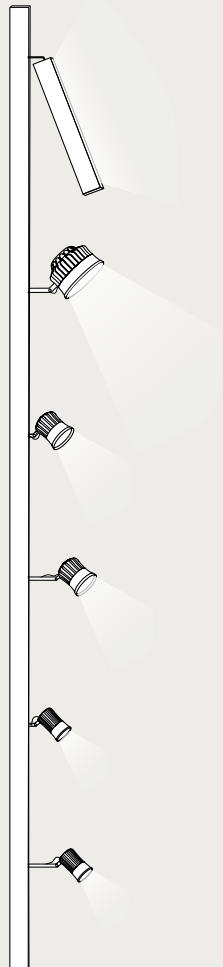
Led Line 1600 mm | 2000 mm  
 Nichia LED built into the luminaire shaft  
 power: ~ 26 W/m  
 luminous flux: ~ 3300 lm/m  
 luminous efficacy: 126 lm/W  
 CRI: > 90 und R<sub>g</sub> > 50  
 three colour temperatures are available  
 controllable via Casambi

	colour of track	article no.	Led Line	€ Euro
Height of luminaire 2040 mm incl. Led Line 1600 mm	alumatt	48-97205 a	+ ...	2.156,00
	white	48-97205 w	+ ...	2.156,00
	black	48-97205 b	+ ...	2.156,00
	bronze	48-97205 c	+ ...	2.197,00
Height of luminaire 3040 mm incl. Led Line 2000 mm	alumatt	48-97305 a	+ ...	2.506,00
	white	48-97305 w	+ ...	2.506,00
	black	48-97305 b	+ ...	2.506,00
	bronze	48-97305 c	+ ...	2.548,00
Led Line		article no.+...		
	colour temperature	2200 K	...-22	
		2700 K	...-27	
		3000 K	...-30	
Accessories				
foot switch black		8404 b		38,00

Number of luminaires per free-standing luminaire	Height of luminaire	2040 mm	3040 mm
	Led Line length	1600 mm	2000 mm
Fifty S, Fifty XS		1 - 6	1 - 5
Thirty-Five S, Thirty-Five XS		1 - 10	1 - 9
Ninety-Five S		1 - 4	1 - 4

Only suitable to a limited extent because of the head size!

## Luminaires for free-standing luminaires

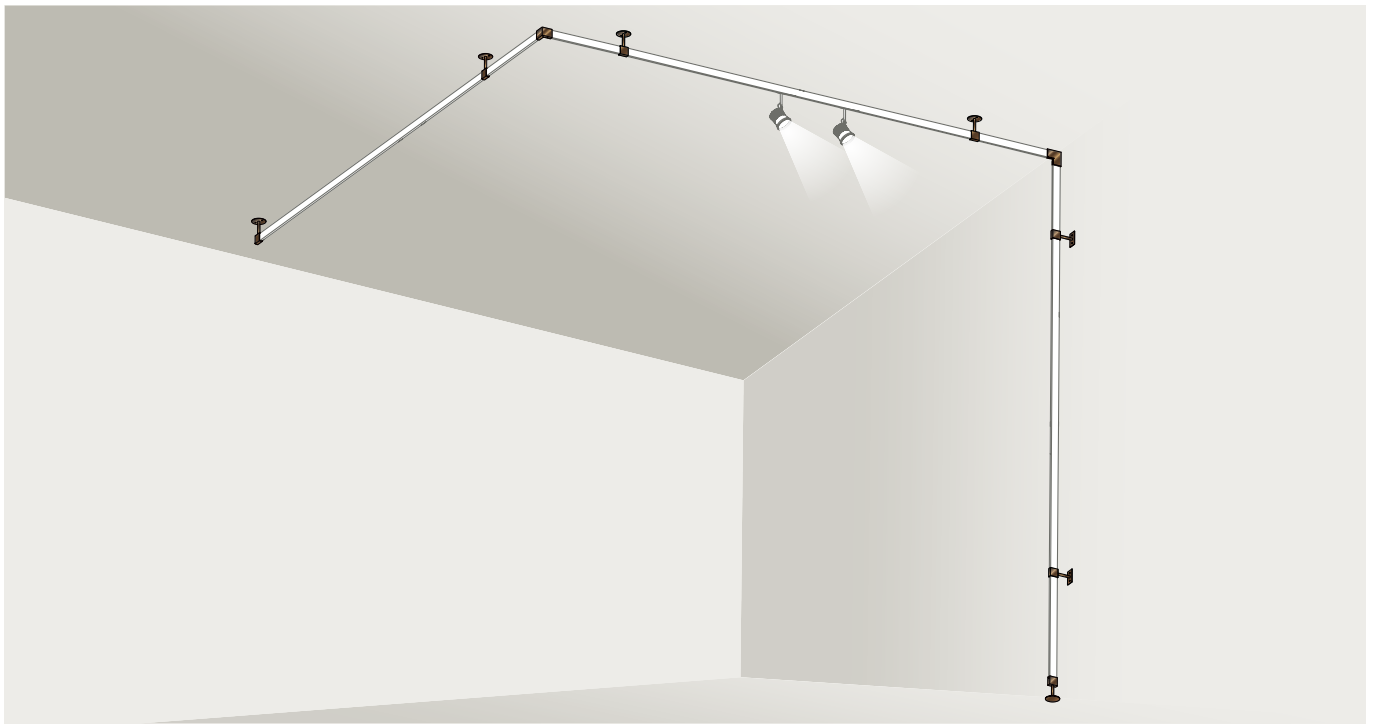


luminaires page 57ff.  
control gear page 117ff.

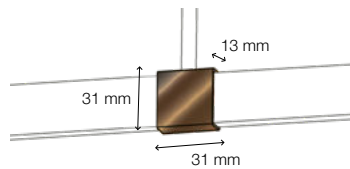
Design: buschfeld Design  
CE  
Eurasian Conformity  
RoHS  
REACH  
IP68  
IP69K

accessories  
brass holder





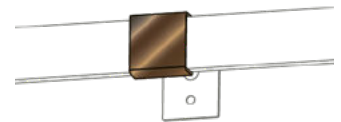
Decorative brass holders for tracks



**track holder centre,  
brass, burnished,  
fastening upwards**

article no. € Euro  
93542 mb 126,00\*

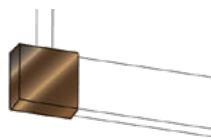
L=31  
decorative, handcrafted holder  
spacer rod and mounting plate  
required



**track holder, centre  
brass, burnished,  
fastening on the side**

article no. € Euro  
93543 mb 126,00\*

L=31  
decorative, handcrafted holder  
spacer rod and mounting plate  
required



**track holder at end,  
brass, burnished,  
fastening upwards**

article no. € Euro  
93540 mb 126,00\*

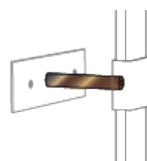
L=31  
decorative, handcrafted holder  
spacer rod and mounting plate  
required



**track holder at end,  
brass, burnished,  
fastening on the side**

article no. € Euro  
93541 mb 126,00\*

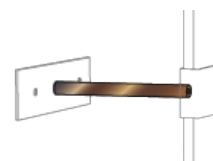
L=31  
decorative, handcrafted holder  
spacer rod and mounting plate  
required



**distance rod,  
brass, burnished**

article no. € Euro  
93545 mb 26,00\*

L=50  
handcrafted  
distance rod, with internal thread M6

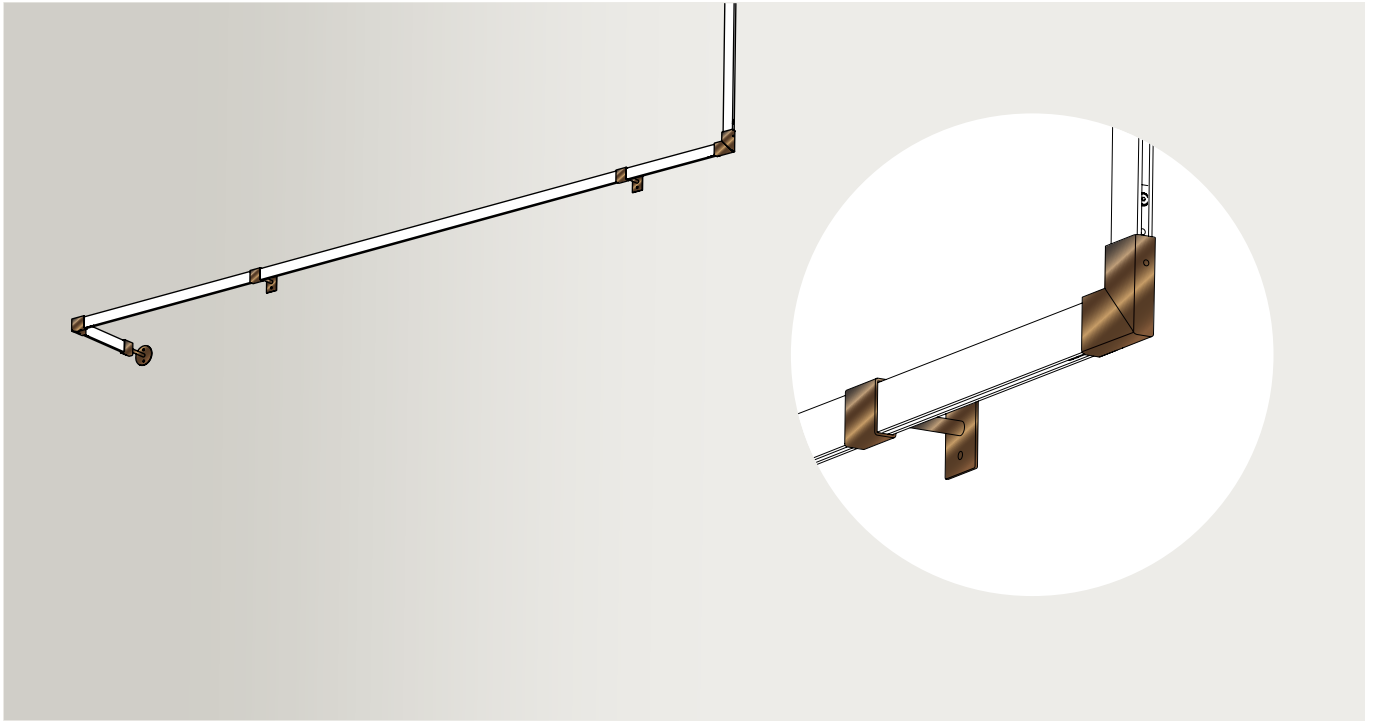


**distance rod,  
brass, burnished**

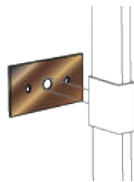
article no. € Euro  
93546 mb 32,00\*

L=100  
handcrafted  
distance rod, with internal thread M6

\*Brass, burnished: Please note the reduced dealer discount and potentially longer delivery time.



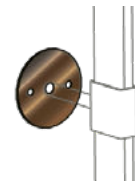
Decorative brass corners and mounting plates



**mounting plate, rectangular, brass, burnished**

31 x 50 mm  
handcrafted  
spacer rod and holder required

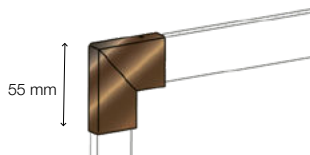
article no. € Euro  
93548 mb 47,00\*



**mounting plate, round, brass, burnished**

Ø=50,  
handcrafted  
spacer rod and holder required

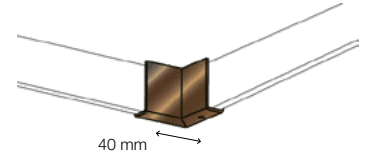
article no. € Euro  
93549 mb 47,00\*



**track cover, horizontal-vertical, brass, burnished**

L=55  
handcrafted, decorative cover for an angle connector

article no. € Euro  
93640 mb 126,00\*



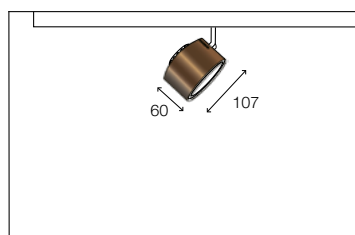
**track cover, horizontal-horizontal, brass, burnished**



L=40  
handcrafted, decorative cover for a corner connector

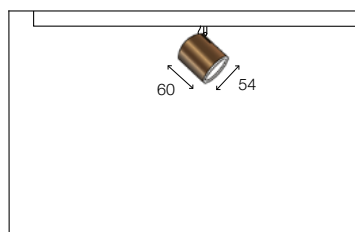
article no. € Euro  
93641 mb 126,00\*



**\*Please Note:** Our brass-burnished items are meticulously handcrafted by us in small batches, with a keen eye for detail. Because of this careful craftsmanship, we offer a reduced dealer discount. We appreciate your understanding regarding potential delays in delivery.

shades



type of shade	colour	article no.	€ Euro
 <b>Tube95</b> 60 mm, with slit and border	 brass, burnished	48-2443 mb	124,00*



type of shade	colour	article no.	€ Euro
 <b>Tube50</b> 60 mm, with slit and border	 brass, burnished	48-2412 mb	92,00*



Design: buschfeld Design

**\*Please Note:** Our brass-burnished items are meticulously handcrafted by us in small batches, with a keen eye for detail. Because of this careful craftsmanship, we offer a reduced dealer discount. We appreciate your understanding regarding potential delays in delivery.

# luminaires 48 V

# Sense System luminaires

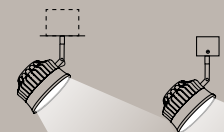
## index



Ninety-Five S



Ninety-Five side S



Ninety-Five Mono48 S

Wall48

Pend48

Ceiling48

In48

Mono48

Steel48, Tri48 Floor

see page

light sources

63

64

65

66 - 67

66 - 67

66 - 67



Fifty S



Fifty XS



Fifty side S



Fifty side L

Wall48

Pend48

Ceiling48

In48

Mono48

Steel48, Tri48 Floor

see page

light sources

72

73

74

75

80 - 81

80 - 81

80 - 81

80 - 81



Thirty-Five S



Thirty-Five XS



Thirty-Five side S



Thirty-Five side L

Wall48

Pend48

Ceiling48

In48

Mono48

Steel48, Tri48 Floor

see page

light sources

86

87

88

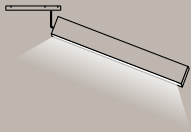
89

93

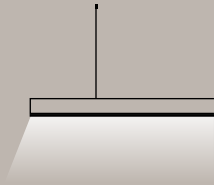
93

93

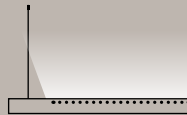
93



Leaf



Long Leaf



Led Line



Projector XS



94



96

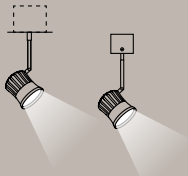


99

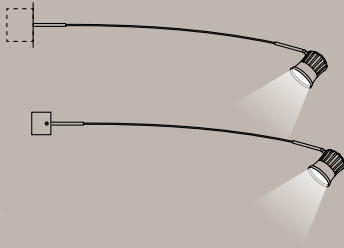


100

wall track  
 pendant track  
 ceiling track  
 recessed track  
 individual luminaire  
 free-standing luminaire  
 see page  
 light sources



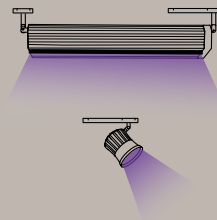
Fifty Mono48 S



Fifty Mono48 L



Fifty fix L



Art Light



76

80-81



77

80-81



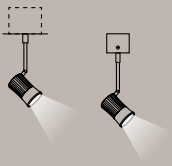
79

80-81



102

wall track  
 pendant track  
 ceiling track  
 recessed track  
 individual luminaire  
 free-standing luminaire  
 see page  
 light sources



Thirty-Five mono48 S



Thirty-Five mono48 L



Thirty-Five fix L



90

93



91

93



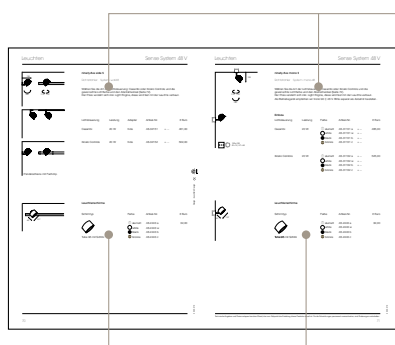
92

93

wall track  
 pendant track  
 ceiling track  
 recessed track  
 individual luminaire  
 free-standing luminaire  
 see page  
 light sources

# ninety-five

## planning and ordering

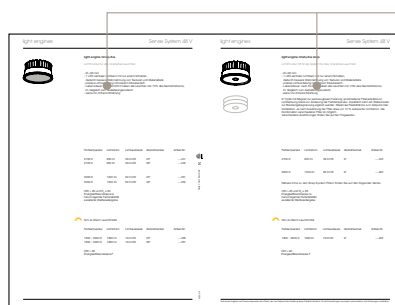


### Luminaires

application (spot or downlight)  
length of luminaire  
adapter alignment (e.g. Side 90° for Wall48)  
lighting control Casambi

### Shades

For our luminaires we offer a range of shades.  
These can be selected and ordered as accessories.

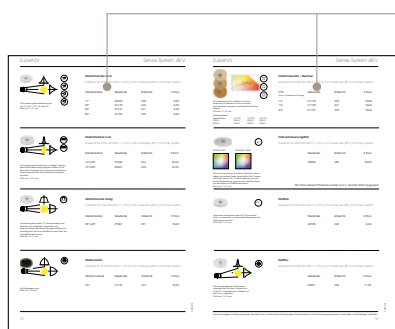


### Light Engines

beam angle (9° with Snap, 25° or 36°)  
colour temperature (2700 K or 3000 K)  
Dim-To-Warm light source

The light engines are housed within the luminaires.

see page 66



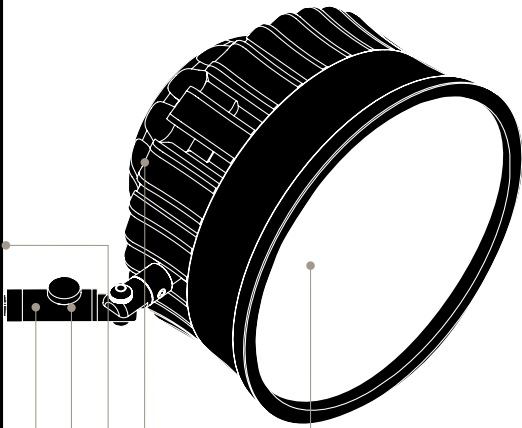
### Accessories

Snap filter only for 9° light engines

see page 68

# ninety-five

## example of how to order



**Light Engine**  
beam angle  
colour temperature

9° Snap / 2700 K / CRI 95	440
25° / 2700 K / CRI 95	441
36° / 2700 K / CRI 95	442

9° Snap / 3000 K / CRI 95	450
25° / 3000 K / CRI 95	451
36° / 3000 K / CRI 95	452



9° Snap / Dim-to-Warm / CRI 90	455
25° / Dim-to-Warm / CRI 90	456
36° / Dim-to-Warm / CRI 90	457

**Luminaires**  
lighting control

Casambi	1
---------	---

adapter

hide	5
Mono48	3

length of luminaire

S, 60 mm	1
----------	---

adapter alignment

0°, flexible	1
90°, side, flexible	2

name of luminaire

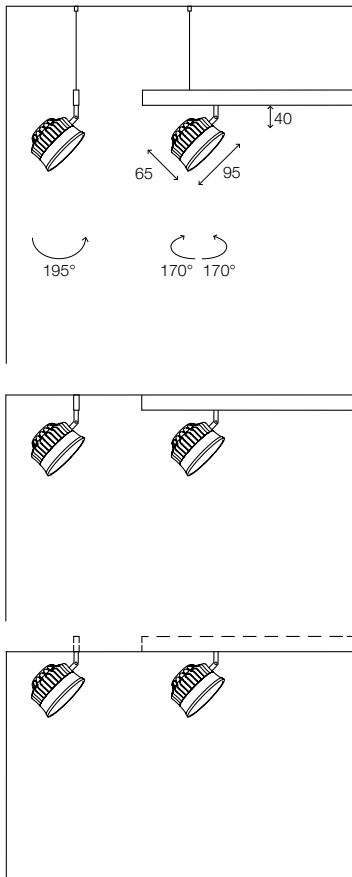
Thirty-Five	1
Fifty	2
Ninety-Five	3

48 volts

48-31151-441



Luminaires Ninety-Five on a Tri48 Floor.



**ninety-five S**

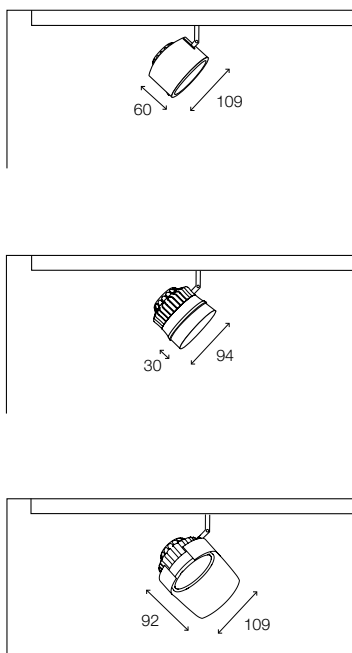
directional spotlight systems: pend48, ceiling48, in48, rondo48, tri48 floor, and sphere




Swivel and tilt directional spotlight, system light, 48V DC, light control Casambi. Rod connection on the adapter: 0° to the track.

The price offered includes the permanently installed light engine. Select the colour temperature, beam angle and Soraa Snap accessories if required. Further details on the properties of the Light Engine can be found from page 66. Optionally, you can add shades.

lighting control	wattage	adapter	article no.	light engine	€ Euro
Casambi	20 W	hide	48-31151	+ ...	518,00

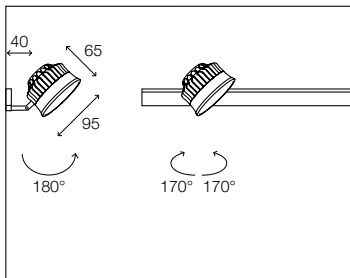
**shades**



type of shade	colour	article no.	€ Euro
 <b>Tube95</b> 60 mm, with slit and border	alumatt	48-2443 a	46,00
	white	48-2443 w	
	black	48-2443 b	
	bronze	48-2443 c	
	brass burnished	48-2443 mb	124,00*
 <b>Tube95 Front</b> 30 mm, without border. Can also be used in combination with Tube95	black**	48-2439 b	36,00
 <b>Curve95</b> Rotatable, as glare protection	black**	48-2699 b	72,00

\*Brass, burnished: Please note the reduced dealer discount and potentially longer delivery time.

\*\*Tube95 Front and Curve95 are also available in other colours on request. Please note the longer delivery time.

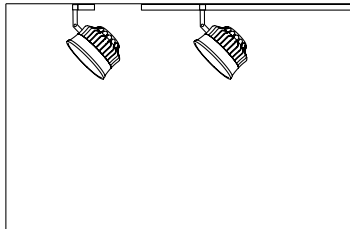


**ninety-five side S**

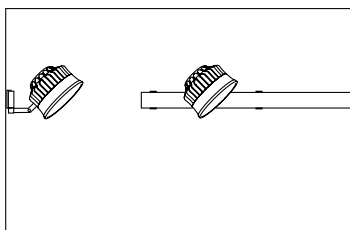
directional spotlight system: wall 48

Swivel and tilt directional spotlight, system light, 48V DC, light control Casambi. Rod connection on the adapter: 90° to the track.

The price offered includes the permanently installed light engine. Select the colour temperature, beam angle and Soraa Snap accessories if required. Further details on the properties of the Light Engine can be found from page 66. Optionally, you can add shades.



lighting control	wattage	adapter	article no.	light engine	€ Euro
Casambi	20 W	hide	48-32151	+ ...	518,00

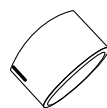
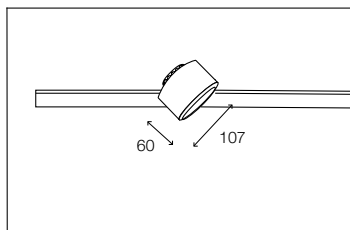


pendant mounted track with flat clips

**shades**

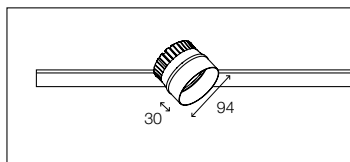
type of shade

colour article no. € Euro



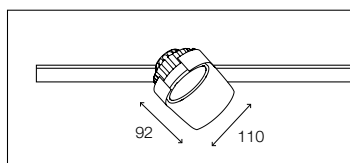
**Tube95**  
60 mm, with slit and border

alumatt	48-2443 a	46,00
white	48-2443 w	
black	48-2443 b	
bronze	48-2443 c	
brass burnished	48-2443 mb	124,00*



**Tube95 Front**  
30 mm, without border,  
Can also be used in combination with Tube95

black**	48-2439 b	36,00
---------	-----------	-------



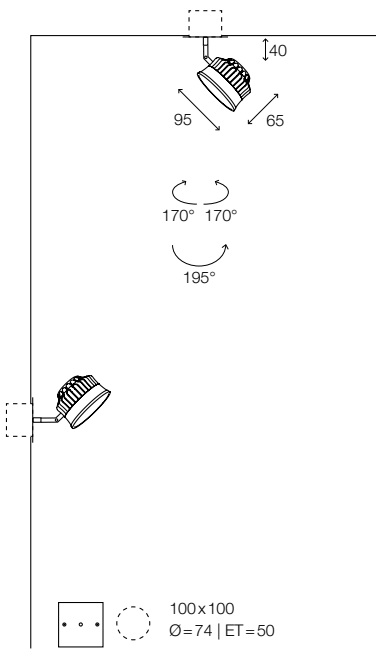
**Curve95**  
Rotatable, as glare protection

black**	48-2699 b	72,00
---------	-----------	-------

\*Brass, burnished: Please note the reduced dealer discount and potentially longer delivery time.  
\*\*Tube95 Front and Curve95 are also available in other colours on request. Please note the longer delivery time.



Design: buschfeld Design



**ninety-five mono48 S | for recessed mounting**

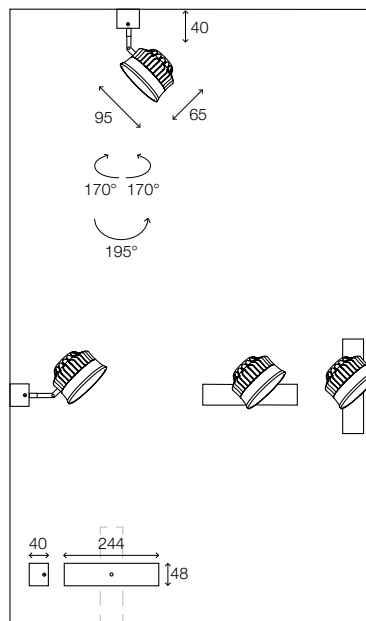
directional spotlight system: mono48

Swivel and tilt single spotlight, 48V DC, light control Casambi.

The price offered includes the permanently installed light engine. Select the colour temperature, beam angle and Soraa Snap accessories if required. Further details on the properties of the Light Engine can be found from page 66. Optionally, you can add shades.

**Note:** We recommend Tronic 90|48 V as the control gear. Please order separately as an accessory. Due to its size, the power supply must be installed outside the recessed canopy.

lighting control	wattage	colour	article no	light engine	€ Euro
Casambi	20 W	● alumatt	48-31131 a	+ ...	545,00
		○ white	48-31131 w	+ ...	
		● black	48-31131 b	+ ...	
		● bronze	48-31131 c	+ ...	



**ninety-five mono48 S | for surface mounting**

directional spotlight system: mono48

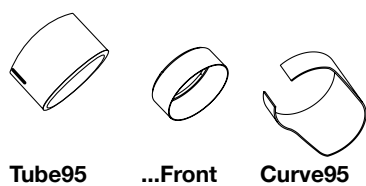


Swivel and tilt single spotlight, 48V DC, light control Casambi.

The price offered includes the permanently installed light engine. Select the colour temperature, beam angle and Soraa Snap accessories if required. Further details on the properties of the Light Engine can be found from page 66. Optionally, you can add shades.

**Note:** The Tronic 90|48 V power supply is included in the surface-mounted housing.

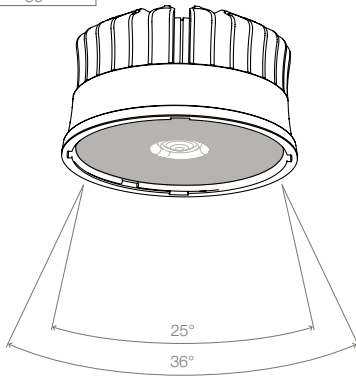
lighting control	wattage	colour	article no	light engine	€ Euro
Casambi	20 W	● alumatt	48-31141 a	+ ...	829,00
		○ white	48-31141 w	+ ...	
		● black	48-31141 b	+ ...	
		● bronze	48-31141 c	+ ...	



**shades**

The matching lampshades can be found with the Ninety-Five side S luminaire on page 64.

- 2700 K
- 3000 K
- Dim-to-Warm
- 25°
- 36°



**light engine ninety-five**

luminaire module for the entire ninety-five range

- Ø = 95 mm
- single source LED with single shadow to enhance the perception of textures and materials
- precise light distribution with very little spill
- after 50,000 h, all luminaires have at least 70% of their rated luminous flux, compared to the state of delivery
- no UV/infrared radiation

**2700 K | 3000 K Light Engine**

CRI > 95 and R<sub>9</sub> ≥ 95  
 energy efficiency class G  
 excellent colour stability  
 excellent white colour rendering

colour temperature	flux	luminous efficiency	beam angle	article no.
2700 K	950 lm	59 lm/W	25°	...-441
2700 K	950 lm	59 lm/W	36°	...-442
3000 K	1000 lm	62 lm/W	25°	...-451
3000 K	1000 lm	62 lm/W	36°	...-452

**Dim-to-Warm Light Engine**

CRI > 90  
 energy efficiency class F

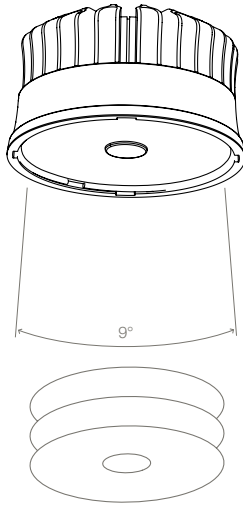


colour temperature	flux	luminous efficiency	beam angle	article no.
1800 - 3000 K	1280 lm	79 lm/W	25°	...-456
1800 - 3000 K	1280 lm	79 lm/W	36°	...-457

Buschfeld x Dim-to-Warm

Design: Hans Buschfeld

- 2700 K
- 3000 K
- Dim-to-Warm
- 9° Snap



**light engine ninety-five snap**

luminaire module equipped with Snap System for the entire ninety-five range

- Ø = 95 mm
- single source LED with single shadow to enhance the perception of textures and materials
- precise light distribution with very little spill
- after 50,000 h, all luminaires have at least 70% of their rated luminous flux, compared to the state of delivery
- no UV/infrared radiation

9° optics with a magnet enables a wide range of filters to be attached to the luminaire without tools to adjust the beam angle or colour temperature. A honeycomb louvre can also be applied to enhance glare control. Maximum flexibility prior to installation. Depending on the filter applied, the luminous flux may be reduced by up to 10 %. Different combinations of filters can be applied.

Further information on Snap system filters can be found on the following pages or on our website.

[Sora Snap System™ large](#)

**2700 K | 3000 K Light Engine**

CRI > 95 and R<sub>g</sub> ≥ 95  
 energy efficiency class G  
 excellent colour stability  
 excellent white colour rendering

colour temperature	flux	luminous efficiency	beam angle	article no.
2700 K	950 lm	59 lm/W	9°	...-440
3000 K	1000 lm	62 lm/W	9°	...-450

**Dim-to-Warm Light Engine**

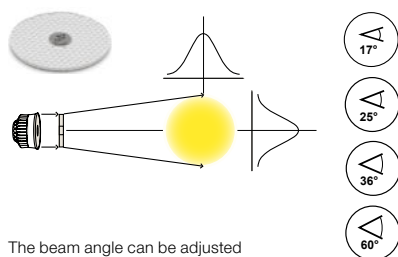
CRI > 90  
 energy efficiency class F



colour temperature	flux	luminous efficiency	beam angle	article no.
1800 - 3000 K	1280 lm	79 lm/W	9°	...-455

[Buschfeld x Dim-to-Warm](#)

\* Light Engine -465 Dim-to Warm Snap System only works with Snap filter. Only the filter guarantee an adequate colour mixture. Please order filter separately. Filter on page 68 .

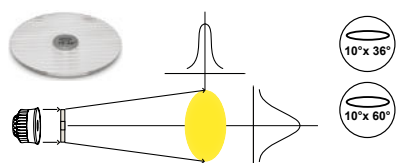


The beam angle can be adjusted from 10° to 17°, 25°, 36° or 60°.  
 Ø 84 mm, T=3.1 mm

### beam angle circular

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

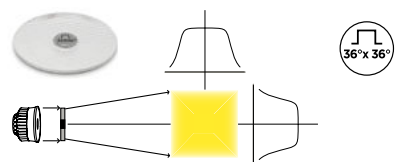


For the creation of asymmetric light beams, in particular for the illumination of linear objects. Given the oval shape of the light beam from just one light source per exhibit, fewer luminaires are required.  
 Ø 84 mm, T=3.1 mm

### beam angle oval

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

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

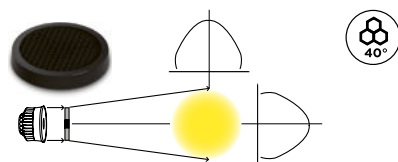


The circular shape of the 10° light beam is modified to generate a rectangular shaped beam: for square light fields on walls and floors. Uniform spread of light across the designated surface. No light fade along the edges.  
 Ø 84 mm, T=3.1 mm

### beam angle rectangular

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

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

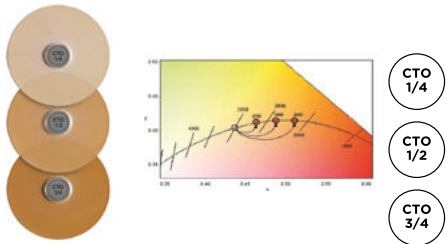


For glare control  
 Ø 84 mm, T=9 mm

### honeycomb louver

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

cutoff 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**

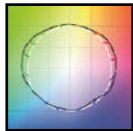
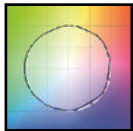
accessories for VIVID LED AR111 (12 V) and ninety-five (48 V) Snap System

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



SORAA VIVID

ENHANCE SNAP



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) Snap System

neadcode	article no.	€ Euro
03283	450	65,00



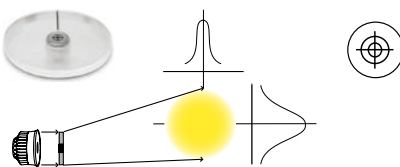
For application with coloured foil or dichroic filters to generate special atmospheres or effects.

Ø 84 mm, T=3.1 mm

**transparent filter**

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

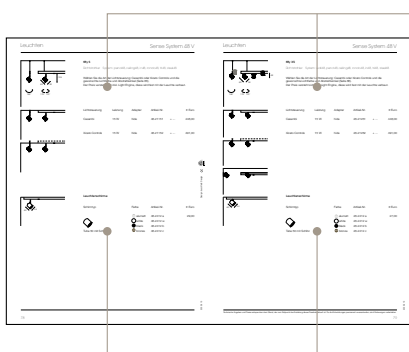
**filter disc**

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

neadcode	article no.	€ Euro
03257	449	17,50

# fifty

## planning and ordering

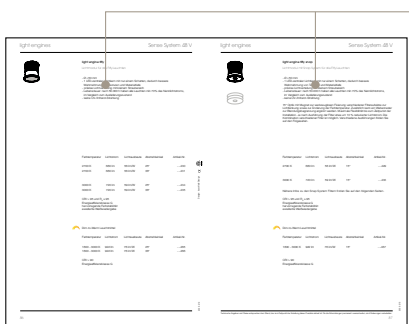


### Luminaires

application (spot, downlight, luminaire for lighting pictures, or individual luminaires) length of luminaire  
 adapter alignment (e.g. Side 90° for Wall48)  
 lighting control Casambi

### Shades

For our luminaires we offer a range of shades.  
 These can be selected and ordered as accessories.

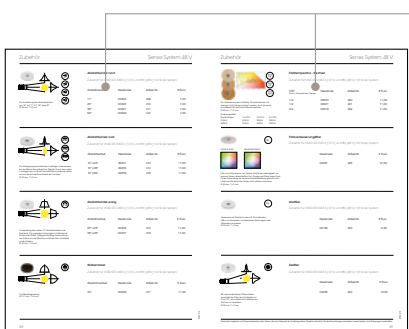


### Light Engines

beam angle (15° with Snap, 25° or 36°)  
 colour temperature (2700 K or 3000 K)  
 Dim-To-Warm light source

The light engines are housed within the luminaires.

see page 80

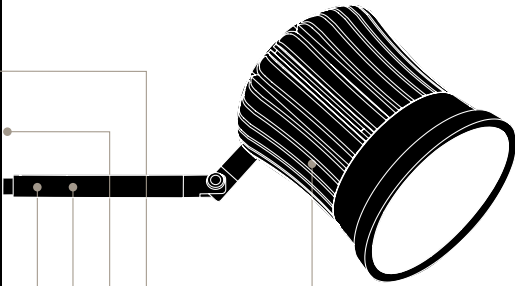


### Accessories

Snap filter only for 15° light engines

see page 82

# example of how to order



**Light Engine**

beam angle  
colour temperature

15° Snap / 2700 K / CRI 95	429
25° / 2700 K / CRI 95	430
36° / 2700 K / CRI 95	431

15° Snap / 3000 K / CRI 95	433
25° / 3000 K / CRI 95	434
36° / 3000 K / CRI 95	435



15° Snap / Dim-to-Warm / CRI 90	465
25° / Dim-to-Warm / CRI 90	466
36° / Dim-to-Warm / CRI 90	467

**Luminaires**

lighting control

Casambi	1
---------	---

adapter

hide	5
Mono48 recessed	3
Mono48 surface	4

length of luminaire

XS, 35 mm	2
S, 60 mm	1
L, 500 mm	3
L, 1000 mm	6

adapter alignment

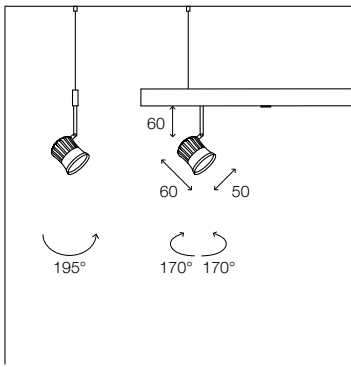
0°, fix	0
0°, flexible	1
90°, side, flexible	2

name of luminaire

Thirty-Five	1
Fifty	2
Ninety-Five	3

48 volts

48-21151-431

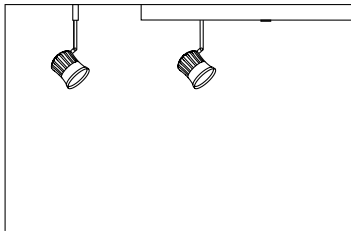


**fifty S**

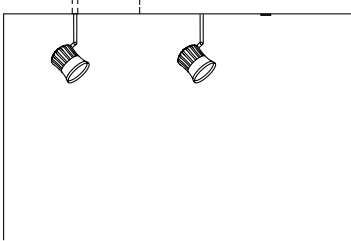
directional spotlight system: pend48, ceiling48, in48, rondo48, tri48, steel48

Swivel and tilt directional spotlight, system light, 48V DC, light control Casambi. Rod connection on the adapter: 0° to the track.

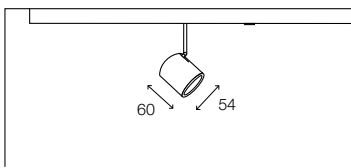
The price offered includes the permanently installed light engine. Select the colour temperature, beam angle and Soraa Snap accessories if required. Further details on the properties of the Light Engine can be found from page 80. Optionally, you can add shades




lighting control	wattage	adapter	article no.	light engine	€ Euro
Casambi	15 W	hide	48-21151	+ ...	503,00

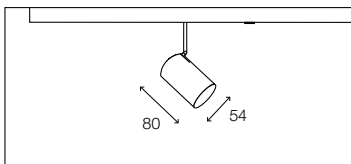


**shades**



**Tube50**  
60 mm, with slit and border

type of shade	colour	article no.	€ Euro
	alumatt	48-2412 a	37,00
	white	48-2412 w	
	black	48-2412 b	
	bronze	48-2412 c	
	brass burnished	48-2412 mb	92,00*

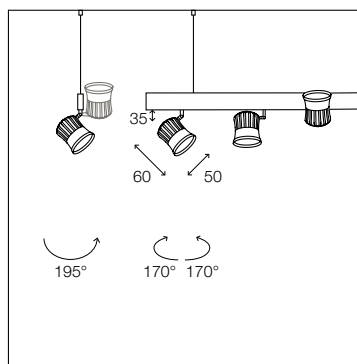


**Tube50**  
80 mm, with slit, without border

	alumatt	48-2418 a	37,00
	white	48-2418 w	
	black	48-2418 b	
	bronze	48-2418 c	

\*Brass, burnished: Please note the reduced dealer discount and potentially longer delivery time.

Design: buschfeld Design

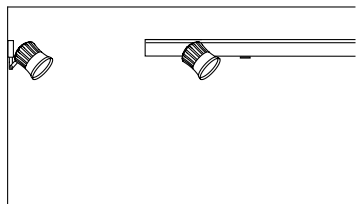
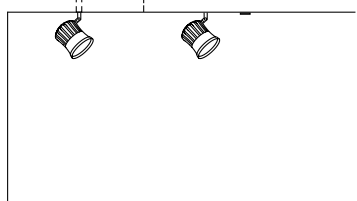
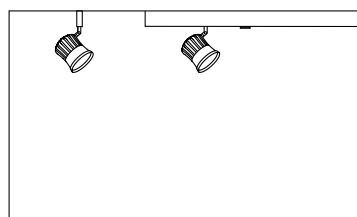


**fifty XS**

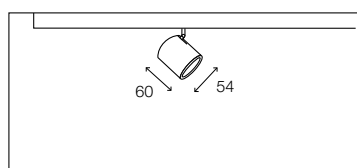
directional spotlight system: wall48, pend48, ceiling48, in48, rondo48, tri48, steel48

Swivel and tilt directional spotlight, system light, 48V DC, light control Casambi. Rod connection on the adapter: 0° to the track.

The price offered includes the permanently installed light engine. Select the colour temperature, beam angle and Soraa Snap accessories if required. Further details on the properties of the Light Engine can be found from page 80. Optionally, you can add shades








lighting control	wattage	adapter	article no.	light engine	€ Euro
Casambi	15 W	hide	48-21251	+ ...	503,00

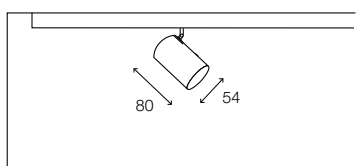



**shades**





type of shade                      colour                      article no.                      € Euro

  
**Tube50**  
 60 mm, with slit and border

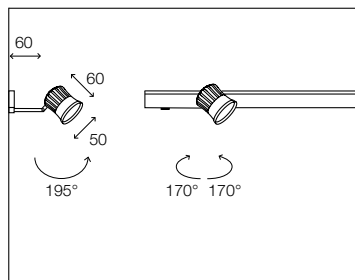
	alumatt	48-2412 a	37,00
	white	48-2412 w	
	black	48-2412 b	
	bronze	48-2412 c	
	brass burnished	48-2412 mb	92,00*



  
**Tube50**  
 80 mm, with slit, without border

	alumatt	48-2418 a	37,00
	white	48-2418 w	
	black	48-2418 b	
	bronze	48-2418 c	

\*Brass, burnished: Please note the reduced dealer discount and potentially longer delivery time.

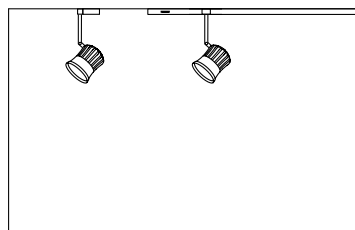


**fifty side S**

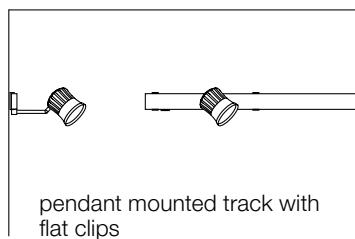
directional spotlight system: wall48

Swivel and tilt directional spotlight, system light, 48V DC, light control Casambi. Rod connection on the adapter: 90° to the track.

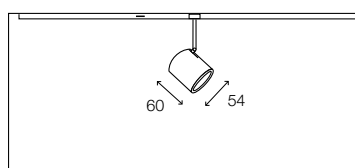
The price offered includes the permanently installed light engine. Select the colour temperature, beam angle and Soraa Snap accessories if required. Further details on the properties of the Light Engine can be found from page 80. Optionally, you can add shades



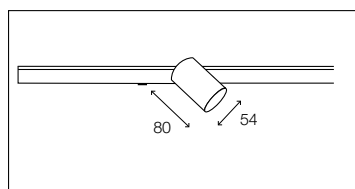
lighting control	wattage	adapter	article no.	light engine	€ Euro
Casambi	15 W	hide	48-22151	+ ...	503,00





**shades**



**Tube50**  
60 mm, with slit and border



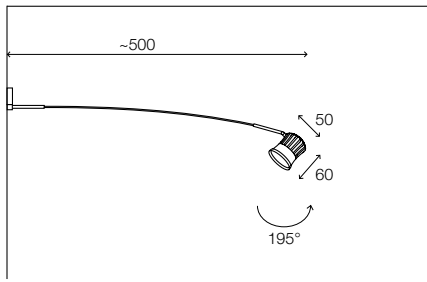
**Tube50**  
80 mm, with slit, without border

type of shade	colour	article no.	€ Euro
	alumatt	48-2412 a	37,00
	white	48-2412 w	
	black	48-2412 b	
	bronze	48-2412 c	
	brass burnished	48-2412 mb	92,00*
	alumatt	48-2418 a	37,00
	white	48-2418 w	
	black	48-2418 b	
	bronze	48-2418 c	

\*Brass, burnished: Please note the reduced dealer discount and potentially longer delivery time.



Design: buschfeld Design



**fifty side L**

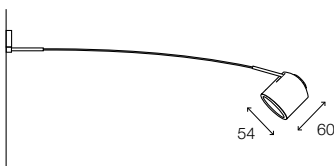
wall-mounted luminaire system: wall48

Wall and picture light, system light, 48V DC, light control Casambi.  
Rod connection on the adapter: 90° to the track.

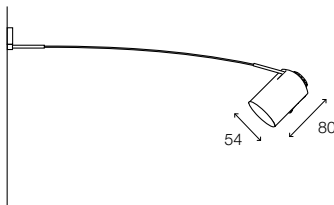
The price offered includes the permanently installed light engine. Select the colour temperature, beam angle and Soraa Snap accessories if required. Further details on the properties of the Light Engine can be found from page 80. Optionally, you can add shades

lighting control	wattage	adapter	article no.	light engine	€ Euro
Casambi	15 W	hide	48-22351	+ ...	530,00



**shades**



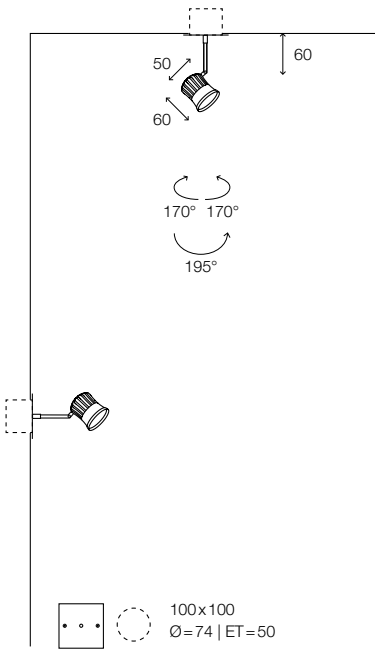
**Tube50**  
60 mm, with slit and border



**Tube50**  
80 mm, with slit, without border

type of shade	colour	article no.	€ Euro
	alumatt	48-2412 a	37,00
	white	48-2412 w	
	black	48-2412 b	
	bronze	48-2412 c	
	brass burnished	48-2412 mb	92,00*
	alumatt	48-2418 a	37,00
	white	48-2418 w	
	black	48-2418 b	
	bronze	48-2418 c	

\*Brass, burnished: Please note the reduced dealer discount and potentially longer delivery time.



**fifty mono48 S | for recessed mounting**

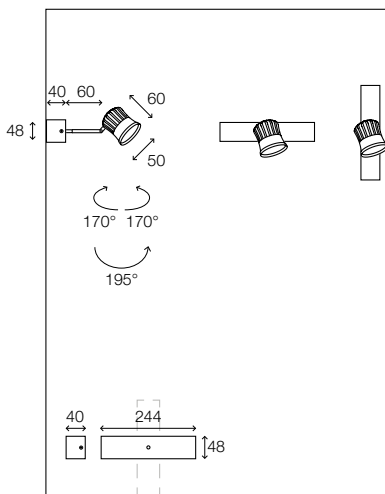
directional spotlight system: mono48

Swivel and tilt single spotlight, 48V DC, light control Casambi.

The price offered includes the permanently installed light engine. Select the colour temperature, beam angle and Soraa Snap accessories if required. Further details on the properties of the Light Engine can be found from page 80. Optionally, you can add shades

**Note:** We recommend Tronic 90|48 V as the control gear. Please order separately as an accessory.

lighting control	wattage	colour	article no	light engine	€ Euro
Casambi	15 W	● alumatt	48-21131 a	+ ...	530,00
		○ white	48-21131 w	+ ...	
		● black	48-21131 b	+ ...	
		● bronze	48-21131 c	+ ...	



**fifty mono48 S | for surface mounting**

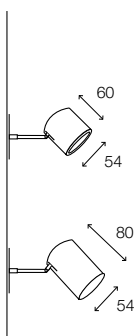
wall-mounted luminaire system: mono48

Swivel and tilt single spotlight, 48V DC, light control Casambi.

The price offered includes the permanently installed light engine. Select the colour temperature, beam angle and Soraa Snap accessories if required. Further details on the properties of the Light Engine can be found from page 80. Optionally, you can add shades

**Note:** The Tronic 90|48 V power supply is included in the surface-mounted housing.

lighting control	wattage	colour	article no	light engine	€ Euro
Casambi	15 W	● alumatt	48-21141 a	+ ...	814,00
		○ white	48-21141 w	+ ...	
		● black	48-21141 b	+ ...	
		● bronze	48-21141 c	+ ...	

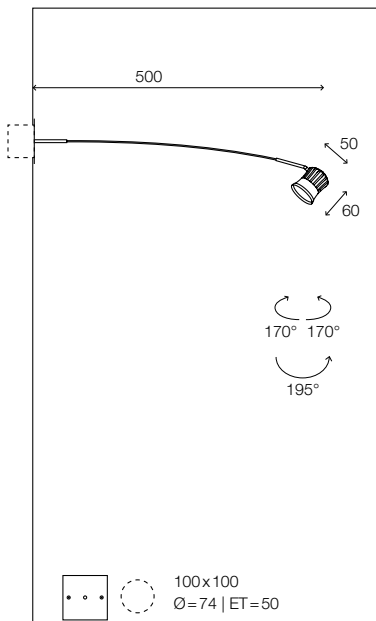


**shades**

The matching lampshades can be found with the Fifty side S luminaire on page 74.

**Tube50**  
60 mm, with slit and border

**Tube50**  
80 mm, with slit, without border



**fifty mono48 L | for recessed mounting**

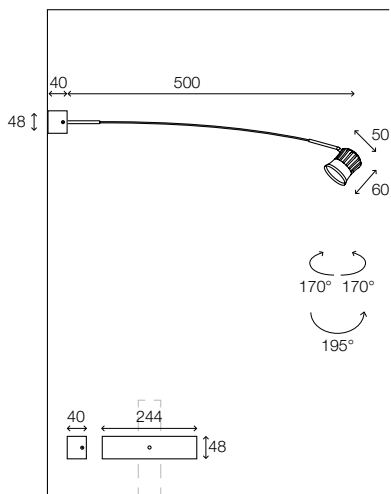
wall-mounted luminaire system: mono48

Wall and picture light as a single spotlight, 48V DC, light control Casambi.

The price offered includes the permanently installed light engine. Select the colour temperature, beam angle and Soraa Snap accessories if required. Further details on the properties of the Light Engine can be found from page 80. Optionally, you can add shades

**Note:** We recommend Tronic 90|48 V as the control gear. Please order separately as an accessory. Due to its size, the power supply must be installed outside the recessed canopy.

lighting control	wattage	colour	article no	light engine	€ Euro
Casambi	15 W	alumatt	48-21331 a	+ ...	557,00
		white	48-21331 w	+ ...	
		black	48-21331 b	+ ...	
		bronze	48-21331 c	+ ...	



**fifty mono48 L | for surface mounting**

wall-mounted luminaire system: mono48

Wall and picture light as a single spotlight, 48V DC, light control Casambi.

The price offered includes the permanently installed light engine. Select the colour temperature, beam angle and Soraa Snap accessories if required. Further details on the properties of the Light Engine can be found from page 80. Optionally, you can add shades

**Note:** The Tronic 90|48 V power supply is included in the surface-mounted housing.

lighting control	wattage	colour	article no	light engine	€ Euro
Casambi	15 W	alumatt	48-21341 a	+ ...	839,00
		white	48-21341 w	+ ...	
		black	48-21341 b	+ ...	
		bronze	48-21341 c	+ ...	

**shades**

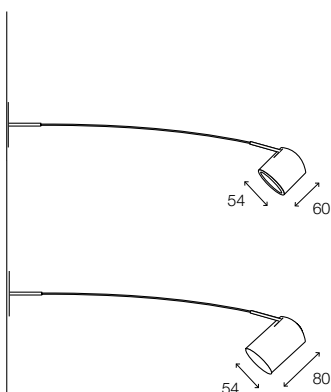
The matching lampshades can be found with the Fifty side L luminaire on page 75.

**Tube50**

60 mm, with slit and border

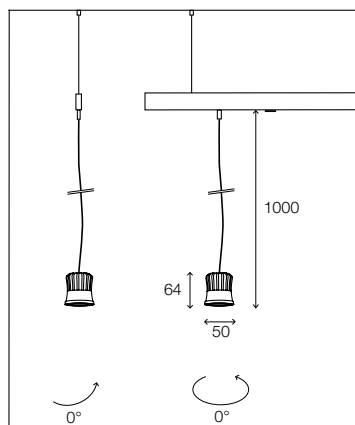
**Tube50**

80 mm, with slit, without border





Luminaire Fifty fix L with shade Tube50, white



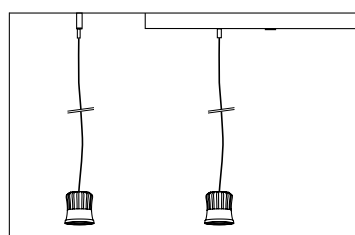
**fifty fix L**

Pendant light system: pend48, ceiling48, in48

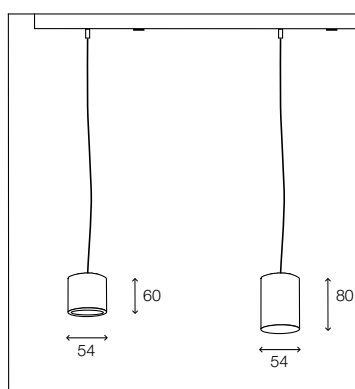
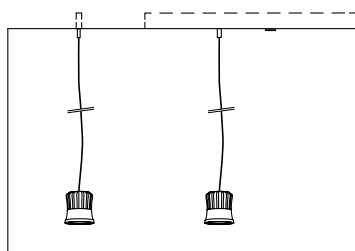
Pendant luminaire, system light, 48V DC, light control Casambi.

The price offered includes the permanently installed light engine. Select the colour temperature, beam angle and Soraa Snap accessories if required. Further details on the properties of the Light Engine can be found from page 80. Optionally, you can add shades.



Length of pendant luminaire can be shortened. Standard colour of textile cable is black. Custom lengths and colours on request.



lighting control	wattage	adapter	article no.	light engine	€ Euro
Casambi	15 W	hide	48-20651	+ ...	530,00

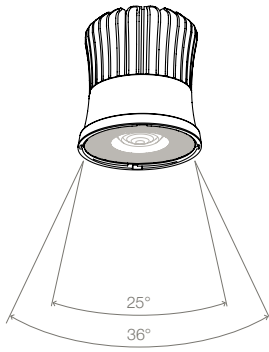


**shades**

type of shade	colour	article no.	€ Euro
 <p><b>Tube50</b> 60 mm, without slit, with border</p>	alumatt	48-2416 a	37,00
	white	48-2416 w	
	black	48-2416 b	
	bronze	48-2416 c	
	brass burnished	48-2416 mb	92,00*
 <p><b>Tube50</b> 80 mm, without slit and border</p>	alumatt	48-2414 a	37,00
	white	48-2414 w	
	black	48-2414 b	
	bronze	48-2414 c	

\*Brass, burnished: Please note the reduced dealer discount and potentially longer delivery time.

- 2700 K
- 3000 K
- Dim-to-Warm
- 25°
- 36°



**light engine fifty**

luminaire module for the entire fifty range

- Ø = 50 mm
- single source LED with single shadow to enhance the perception of textures and materials
- precise light distribution with very little spill
- after 50,000 h, all luminaires have at least 70% of their rated luminous flux, compared to the state of delivery
- no UV/infrared radiation

**2700 K | 3000 K Light Engine**

CRI > 95 and R<sub>g</sub> ≥ 95  
 energy efficiency class G  
 excellent colour stability  
 excellent white colour rendering

colour temperature	flux	luminous efficiency	beam angle	article no
2700 K	680 lm	56 lm/W	25°	...-430
2700 K	680 lm	56 lm/W	36°	...-431
3000 K	720 lm	59 lm/W	25°	...-434
3000 K	720 lm	59 lm/W	36°	...-435

**Dim-to-Warm Light Engine**

CRI > 90  
 energy efficiency class G

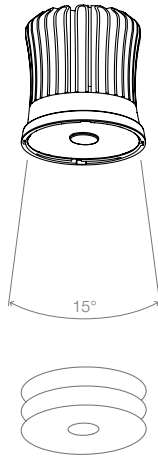


colour temperature	flux	luminous efficiency	beam angle	article no
1800 - 3000 K	922 lm	76 lm/W	25°	...-466
1800 - 3000 K	922 lm	76 lm/W	36°	...-467

Buschfeld x Dim-to-Warm

Design: buschfeld Design

- 2700 K
- 3000 K
- Dim-to-Warm
- 15° Snap



**light engine fifty snap**

luminaire module with snap system for the entire fifty range

- Ø = 50 mm
- single source LED with single shadow to enhance the perception of textures and materials
- precise light distribution with very little spill
- after 50,000 h, all luminaires have at least 70% of their rated luminous flux, compared to the state of delivery
- no UV/infrared radiation

15° optics with a magnet enables a wide range of filters to be attached to the luminaire without tools to adjust the beam angle or colour temperature. A honeycomb louvre can also be applied to enhance glare control. Maximum flexibility prior to installation. Depending on the filter applied, the luminous flux may be reduced by up to 10 %. Different combinations of filters can be applied. Further information on Snap System filters can be found on the following pages and on our website.

Soraa Snap System™ small

**2700 K | 3000 K Light Engine**

CRI > 95 and R<sub>g</sub> ≥ 95  
 energy efficiency class G  
 excellent colour stability  
 excellent white colour rendering

colour temperature	flux	luminous efficiency	beam angle	article no
2700 K	680 lm	56 lm/W	15°	...-429
3000 K	720 lm	59 lm/W	15°	...-433

**Dim-to-Warm Light Engine**

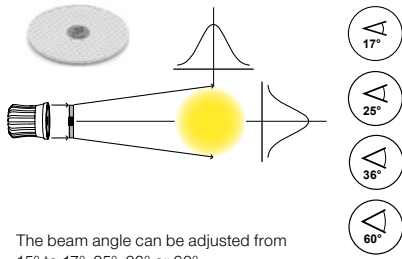
CRI > 90  
 energy efficiency class G



colour temperature	flux	luminous efficiency	beam angle	article no
1800 - 3000 K	922 lm	76 lm/W	15°	...-465*

Buschfeld x Dim-to-Warm

\* Light Engine -465 Dim-to Warm Snap System only works with Snap filter. Only the filter guarantee an adequate colour mixture. Please order filter separately. Details can be found from page 82 .

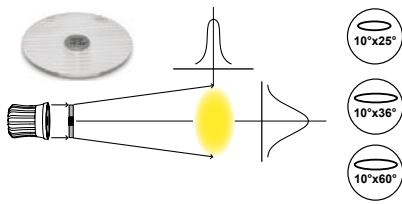


The beam angle can be adjusted from 15° to 17°, 25°, 36° or 60°.  
 Ø 50 mm, T=2 mm

**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

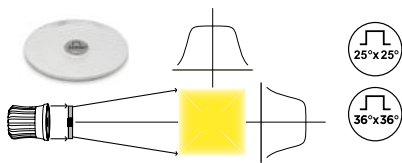


For the creation of asymmetric light beams, in particular for the illumination of linear objects. Given the oval shape of the light beam from just one light source per exhibit, fewer luminaires are required.  
 Ø 50 mm, T=2 mm

**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

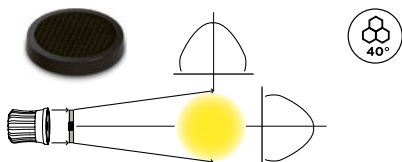


The circular shape of the 15° light beam is modified to generate a rectangular shaped beam: for square light fields on walls and floors. Uniform spread of light across the designated surface. No fading light along the edges.  
 Ø 50 mm, T=2 mm

**beam angle rectangular**

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

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

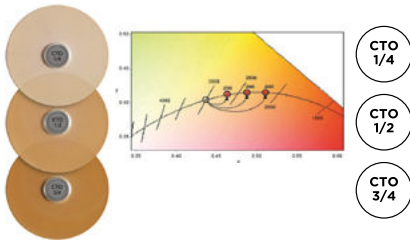


For glare control  
 Ø 51,1 mm, T=9 mm

**honeycomb louvre**

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

cutoff 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

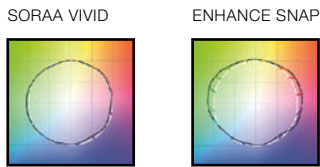
Effect achieved:

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

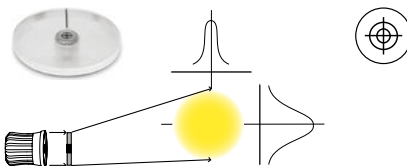


For application with coloured foil or dichroic filters to generate special atmospheres or effects.  
 Ø 50 mm, T=2 mm

**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

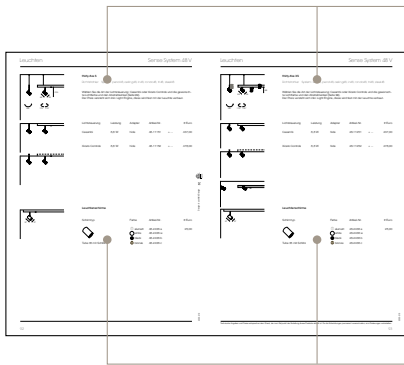
**filter disc**

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

neadcode	article no.	€ Euro
03255	404	13,50

# thirty-five

## planning and ordering

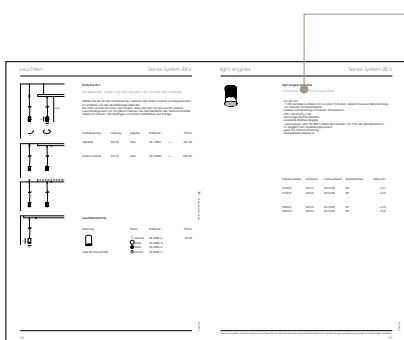


### Luminaires

application (spot, luminaire for lighting pictures, or individual luminaires)  
length of luminaire  
adapter alignment (e.g. Side 90° for Wall48)  
lighting control Casambi

### Shades

For our luminaires we offer a range of shades.  
These can be selected and ordered as accessories.



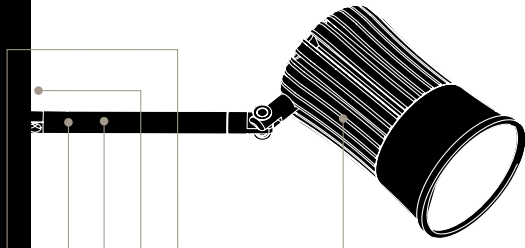
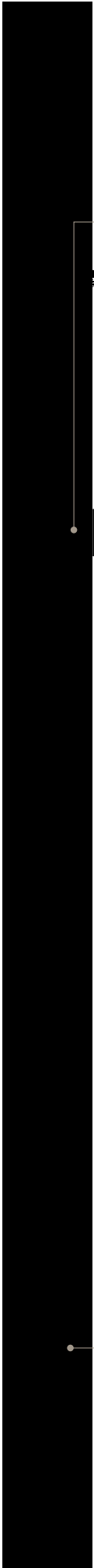
### Light Engines

Beam angle (25° or 36°)  
Colour temperature (2700 K or 3000 K)  
The light engines are housed within the luminaires.

see page 93

# thirty-five

## example of how to order



**Light Engine**  
beam angle  
colour temperature

25° / 2700 K / CRI 95	411
36° / 2700 K / CRI 95	412
25° / 3000 K / CRI 95	414
36° / 3000 K / CRI 95	415

**Luminaires**  
lighting control

Casambi	1
---------	---

adapter

hide	5
Mono48 recessed	3
Mono48 surface	4

length of luminaire

XS, 35 mm	2
S, 60 mm	1
L, 700 mm	4
L, 1000 mm	6

adapter alignment

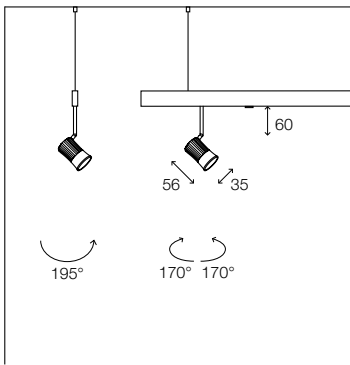
0°, fix	0
0°, flexible	1
90°, side, flexible	2

name of luminaire

Thirty-Five	1
Fifty	2
Ninety-Five	3

48 volts

48-11151-412

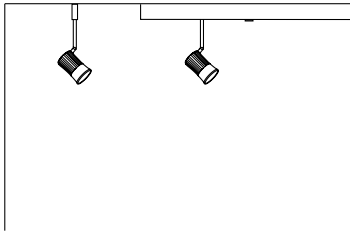


**thirty-five S**

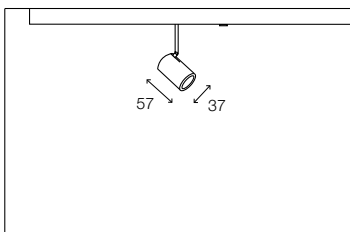
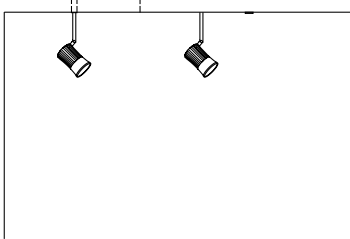
directional spotlight system: pend48, ceiling48, in48, rondo48, tri48, steel48

Swivel and tilt directional spotlight, system light, 48V DC, light control Casambi. Rod connection on the adapter: 0° to the track.

The price offered includes the permanently installed light engine. Select the colour temperature and beam angle. Further details on the properties of the Light Engine can be found from page 93. Optionally, you can add shades.



lighting control	wattage	adapter	article no.	light engine	€ Euro
Casambi	8,8 W	hide	48-11151	+ ...	491,00



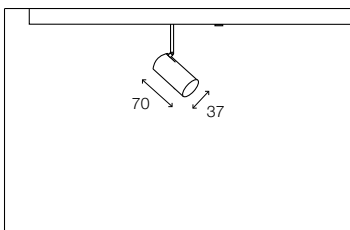
**shades**

type of shade



**Tube35**  
57 mm, with slit and border

colour	article no.	€ Euro
alumatt	48-2436 a	30,00
white	48-2436 w	
black	48-2436 b	
bronze	48-2436 c	

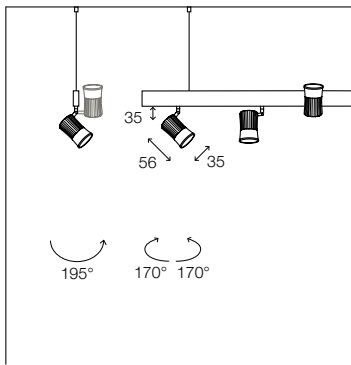


**Tube35**  
70 mm, with slit, without border

colour	article no.	€ Euro
alumatt	48-2707 a	30,00
white	48-2707 w	
black	48-2707 b	
bronze	48-2707 c	




  
 Design: buschfeld Design

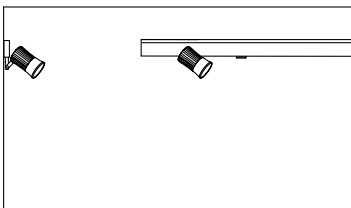
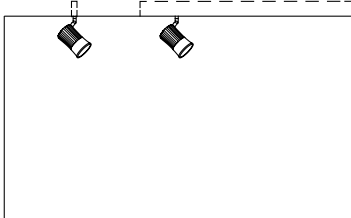
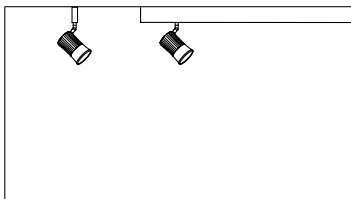


**thirty-five XS**

directional spotlight system: wall48, pend48, ceiling48, in48, rondo48, tri48, steel48

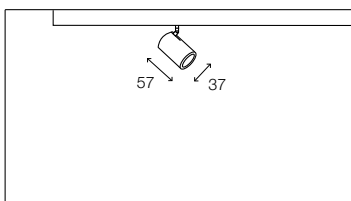
Swivel and tilt directional spotlight, system light, 48V DC, light control Casambi. Rod connection on the adapter: 0° to the track.

The price offered includes the permanently installed light engine. Select the colour temperature and beam angle. Further details on the properties of the Light Engine can be found from page 93. Optionally, you can add shades.

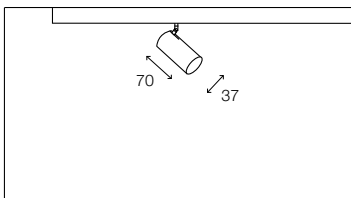


lighting control	wattage	adapter	article no.	light engine	€ Euro
Casambi	8,8 W	hide	48-11251	+ ...	491,00



**shades**

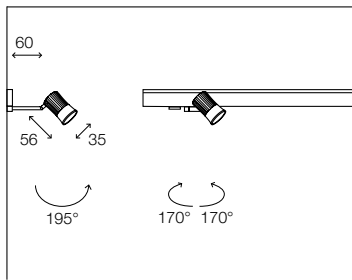


**Tube35**  
57 mm, with slit and border



**Tube35**  
70 mm, with slit, without border

type of shade	colour	article no.	€ Euro
	alumatt	48-2436 a	30,00
	white	48-2436 w	
	black	48-2436 b	
	bronze	48-2436 c	
	alumatt	48-2707 a	30,00
	white	48-2707 w	
	black	48-2707 b	
	bronze	48-2707 c	

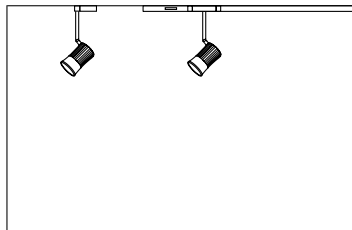


**thirty-five side S**

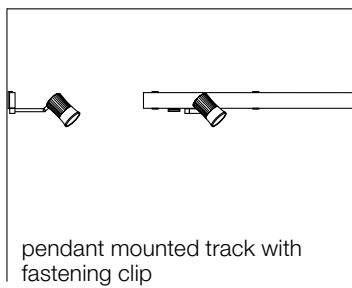
directional spotlight system: wall 48

Swivel and tilt directional spotlight, system light, 48V DC, light control Casambi. Rod connection on the adapter: 90° to the track.

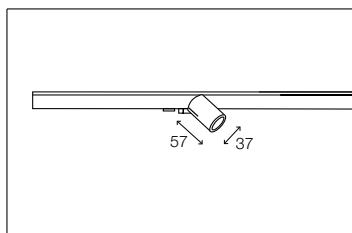
The price offered includes the permanently installed light engine. Select the colour temperature and beam angle. Further details on the properties of the Light Engine can be found from page 93. Optionally, you can add shades.




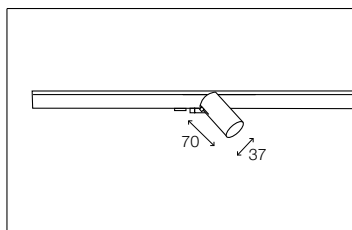
lighting control	wattage	adapter	article no.	light engine	€ Euro
Casambi	8,8 W	hide	48-12151	+ ...	491,00



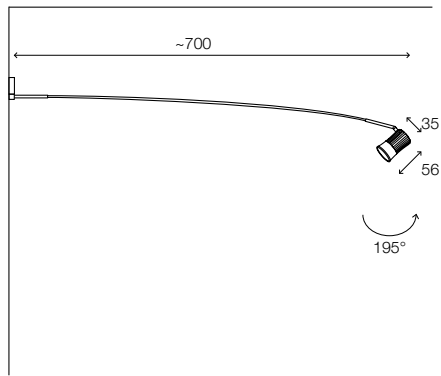
**shades**



type of shade	colour	article no.	€ Euro
	alumatt	48-2436 a	30,00
	white	48-2436 w	
	black	48-2436 b	
	bronze	48-2436 c	



	alumatt	48-2707 a	30,00
	white	48-2707 w	
	black	48-2707 b	
	bronze	48-2707 c	



**thirty-five side L**

luminaire for lighting pictures system: wall48

Wall and picture light, system light, 48V DC, light control Casambi.  
Rod connection on the adapter: 90° to the track.

The price offered includes the permanently installed light engine. Select the colour temperature and beam angle. Further details on the properties of the Light Engine can be found from page 93. Optionally, you can add shades.

lighting control	wattage	adapter	article no.	light engine	€ Euro
Casambi	8,8 W	hide	48-12451	+ ...	518,00



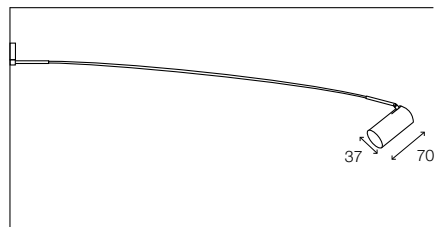
**shades**

type of shade



**Tube35**  
57 mm, with slit and border

colour	article no.	€ Euro
alumatt	48-2436 a	30,00
white	48-2436 w	
black	48-2436 b	
bronze	48-2436 c	



**Tube35**  
70 mm, with slit, without border

colour	article no.	€ Euro
alumatt	48-2707 a	30,00
white	48-2707 w	
black	48-2707 b	
bronze	48-2707 c	

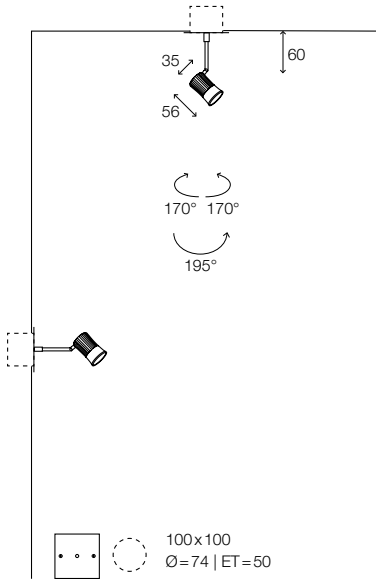
**thirty-five mono48 S | for recessed mounting**

directional spotlight system: mono48

Swivel and tilt single spotlight, 48V DC, light control Casambi.

The price offered includes the permanently installed light engine. Select the colour temperature and beam angle. Further details on the properties of the Light Engine can be found from page 93. Optionally, you can add shades.

**Note:** We recommend Tronic 90|48 V as the control gear. Please order separately as an accessory.



lighting control	wattage	colour	article no	light engine	€ Euro
Casambi	8,8 W	alumatt	48-11131 a	+ ...	518,00
		white	48-11131 w	+ ...	
		black	48-11131 b	+ ...	
		bronze	48-11131 c	+ ...	

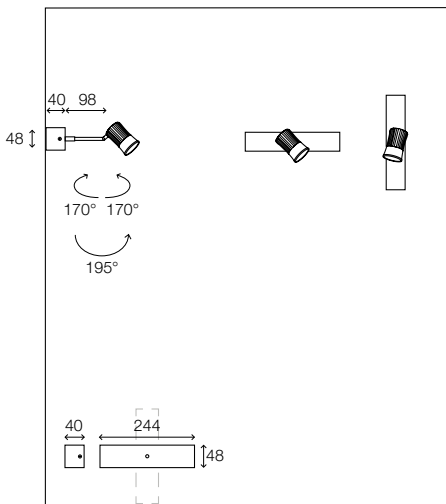
**thirty-five mono48 S | for surface mounting**

wall-mounted luminaire system: mono48

Swivel and tilt single spotlight, 48V DC, light control Casambi.

The price offered includes the permanently installed light engine. Select the colour temperature and beam angle. Further details on the properties of the Light Engine can be found from page 93. Optionally, you can add shades.

**Note:** The Tronic 90|48 V power supply is included in the surface-mounted housing.



lighting control	wattage	colour	article no	light engine	€ Euro
Casambi	8,8 W	alumatt	48-11141 a	+ ...	800,00
		white	48-11141 w	+ ...	
		black	48-11141 b	+ ...	
		bronze	48-11141 c	+ ...	



Design: buschfeld Design

**shades**

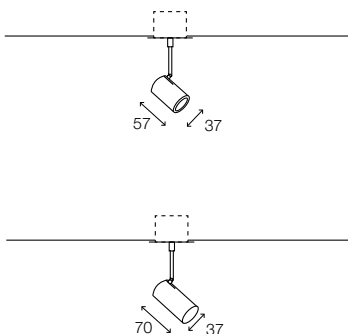
The matching shades can be found with the Thirty-Five side S luminaire on page 88.

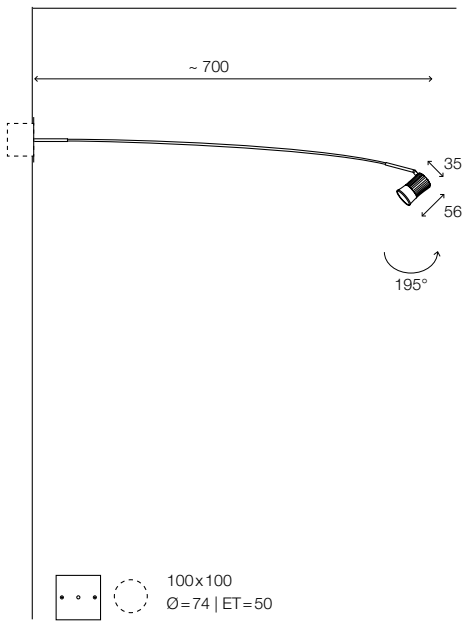
**Tube35**

57 mm, with slit and border

**Tube35**

70 mm, with slit, without border





**thirty-five mono48 L | for recessed mounting**

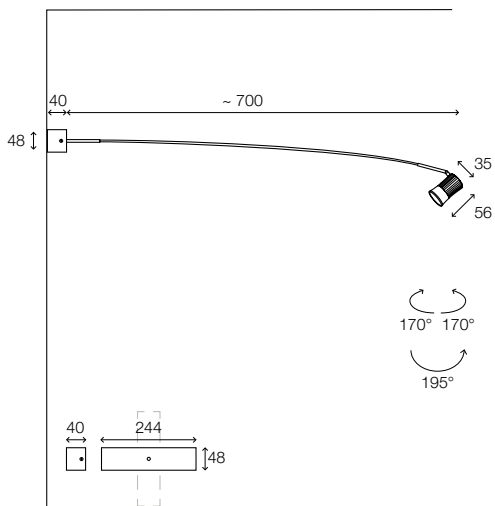
wall-mounted luminaire system: mono48

Wall and picture light as a single spotlight, 48V DC, light control Casambi.

The price offered includes the permanently installed light engine. Select the colour temperature and beam angle. Further details on the properties of the Light Engine can be found from page 93. Optionally, you can add shades.

**Note:** We recommend Tronic 90 | 48 V as the control gear. Please order separately as an accessory.

lighting control	wattage	colour	article no	light engine	€ Euro
Casambi	8,8 W	alumatt	48-11431 a	+ ...	545,00
		white	48-11431 w	+ ...	
		black	48-11431 b	+ ...	
		bronze	48-11431 c	+ ...	



**thirty-five mono48 L | for surface mounting**

wall-mounted luminaire system: mono48

Wall and picture light as a single spotlight, 48V DC, light control Casambi.

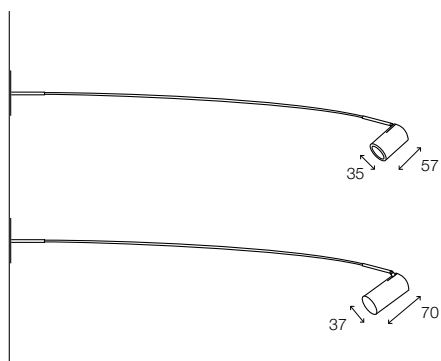
The price offered includes the permanently installed light engine. Select the colour temperature and beam angle. Further details on the properties of the Light Engine can be found from page 93. Optionally, you can add shades.

**Note:** The Tronic 90 | 48 V power supply is included in the surface-mounted housing.

lighting control	wattage	colour	article no	light engine	€ Euro
Casambi	8,8 W	alumatt	48-11441 a	+ ...	827,00
		white	48-11441 w	+ ...	
		black	48-11441 b	+ ...	
		bronze	48-11441 c	+ ...	

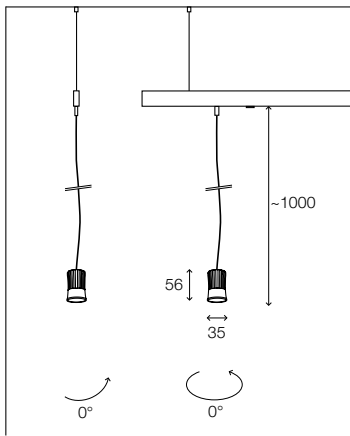
**shades**

The matching shades can be found with the Thirty-Five side L luminaire on page 89.



**Tube35**  
57 mm, with slit and border

**Tube35**  
70 mm, with slit, without border



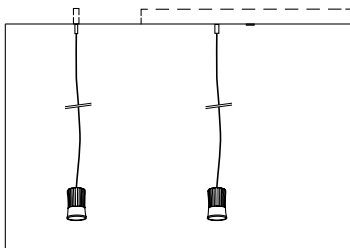
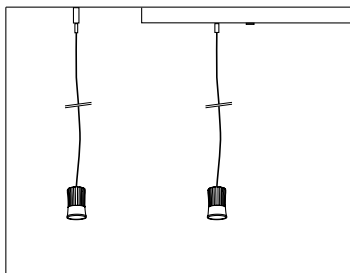
**thirty-five fix L**

directional spotlight system: pend48, ceiling48, in48, rondo48, tri48

Pendant light, system light, 48V DC, light control Casambi.

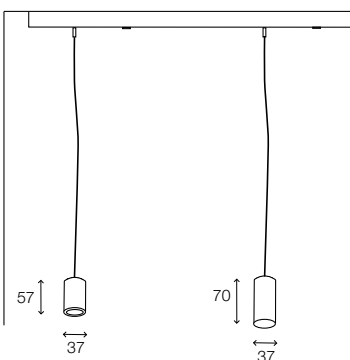
The price offered includes the permanently installed light engine. Select the colour temperature and beam angle. Further details on the properties of the Light Engine can be found from page 93.

Length of pendant luminaire can be shortened. Standard colour of textile cable is black. Custom lengths and colours on request



lighting control	wattage	adapter	article no.	light engine	€ Euro
Casambi	8,8 W	hide	48-10651	+ ...	518,00

**shades**



type of shade



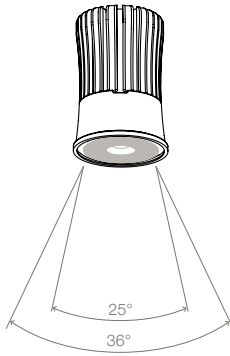
**Tube35**  
57 mm, without slit, with border



**Tube35**  
70 mm, without slit, without border

colour	article no.	€ Euro
alumatt	48-2662 a	30,00
white	48-2662 w	
black	48-2662 b	
bronze	48-2662 c	
alumatt	48-2706 a	30,00
white	48-2706 w	
black	48-2706 b	
bronze	48-2706 c	

2700 K
3000 K
25°
36°



### light engine thirty-five

luminaire module for the entire thirty five range

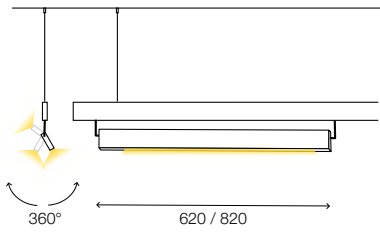
- $\varnothing=35$  mm
- single source LED with single shadow to enhance the perception of textures and materials
- precise light distribution with very little spill
- CRI > 95 and  $R_9 \geq 95$
- excellent colour stability
- excellent white colour rendering
- after 50,000 h, all luminaires have at least 70% of their rated luminous flux, compared to the state of delivery
- no UV/infrared radiation
- energy efficiency class G

### 2700 K | 3000 K Light Engine

CRI > 95 and  $R_9 \geq 95$   
 energy efficiency class G  
 excellent colour stability  
 excellent white colour rendering

colour temperature	flux	luminous efficiency	beam angle	article no.
2700 K	405 lm	60 lm/W	25°	...-411
2700 K	405 lm	60 lm/W	36°	...-412
3000 K	430 lm	64 lm/W	25°	...-414
3000 K	430 lm	64 lm/W	36°	...-415



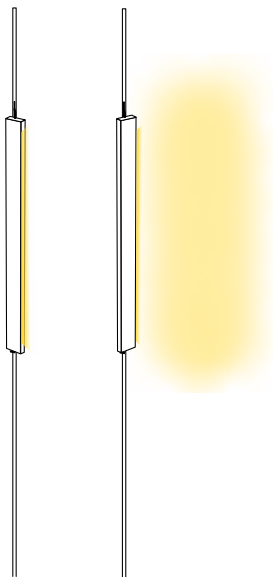
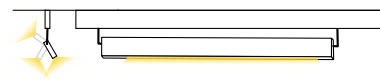


**leaf Casambi**

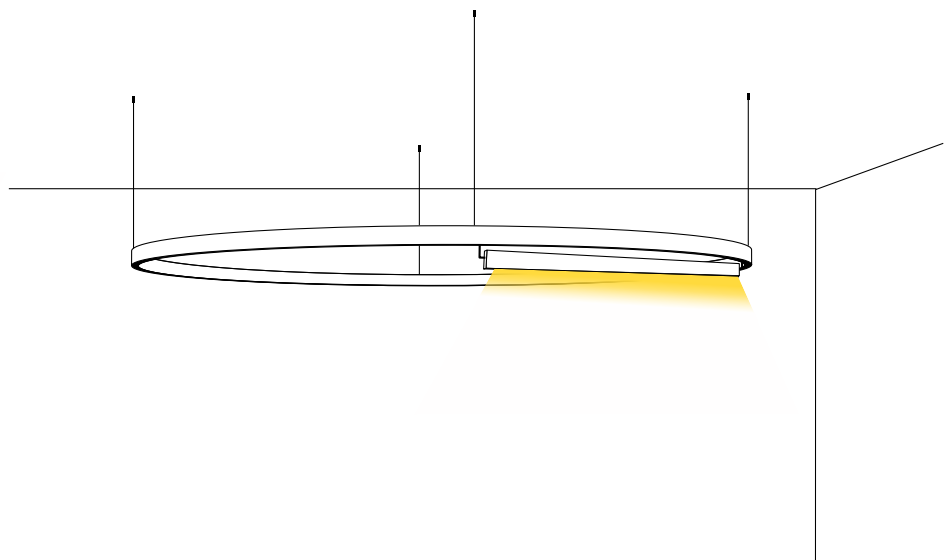
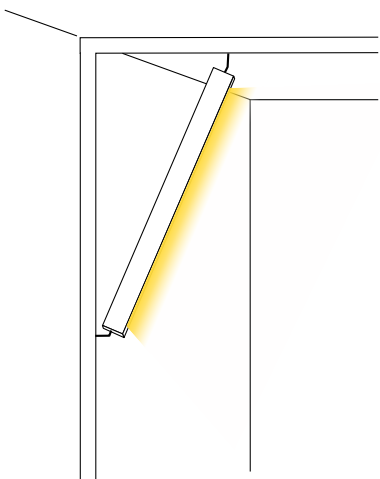
Linear luminaire system: pend48, ceiling48, in48, steel48, tri48 floor

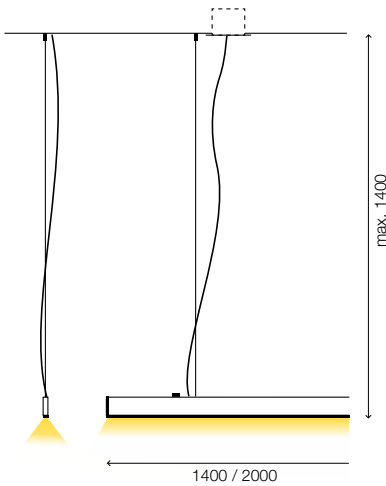
Tilt linear light, system light, 48V DC, light control Casambi. Rod connection on the adapter: 0° to the track. The luminaire can be locked straight into the course of a track or at an angle, e.g. across a corner in two tracks.

Nichia LED: CRI: > 90 and R9 > 50  
 Select the colour temperature: 2700 K or 3000 K.



Length wattage / flux	Colour	Article no.	Colour temperature		€ Euro
			2700 K	3000 K	
<b>620 mm</b> 16 W / 2100 lm	alumatt	48-51251 a +	...-27	...-30	785,00
	white	48-51251 w +	...-27	...-30	
	black	48-51251 b +	...-27	...-30	
	bronze	48-51251 c +	...-27	...-30	
<b>820 mm</b> 21 W / 2800 lm	alumatt	48-51351 a +	...-27	...-30	912,00
	white	48-51351 w +	...-27	...-30	
	black	48-51351 b +	...-27	...-30	
	bronze	48-51351 c +	...-27	...-30	





**long leaf mono48 | for recessed mounting**

Linear pendant luminaire

Linear pendant light with two cable suspensions, 48V DC, light control Casambi.  
incl. recessed canopy and cover plate  
Nichia LED: CRI: > 90 and R9 > 50  
Flux 3500 lm/m  
Select the colour temperature 2700 K or 3000 K.  
The louvre is always black.

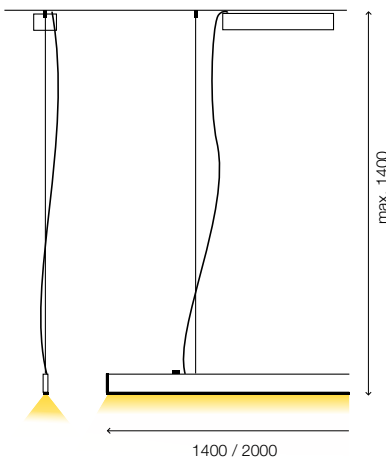
**Note:** We recommend Tronic 90|48 V as the control gear. Please order separately as an accessory. Due to its size, the power supply must be installed outside the recessed canopy.



Length wattage / flux	Colour	Article no.	Colour temperature		€ Euro
			2700 K	3000 K	
<b>1400 mm</b> 36,5 W / 3500 lm/m	alumatt	48-50731 a	+...-27	...-30	1309,00
	white	48-50731 w	+...-27	...-30	
	black	48-50731 b	+...-27	...-30	
	bronze	48-50731 c	+...-27	...-30	
<b>2000 mm</b> 52 W / 3500 lm/m	alumatt	48-50831 a	+...-27	...-30	1609,00
	white	48-50831 w	+...-27	...-30	
	black	48-50831 b	+...-27	...-30	
	bronze	48-50831 c	+...-27	...-30	



Design: buschfeld Design

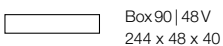


**long leaf mono48 | for surface mounting**

Linear pendant luminaire

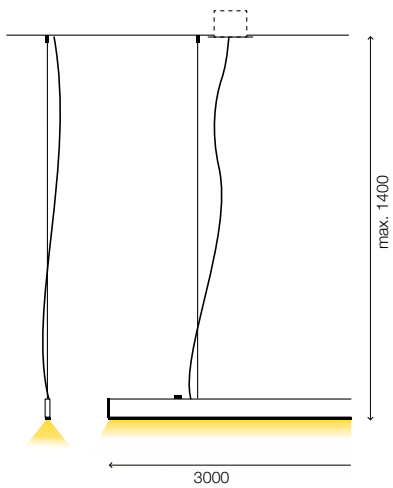
Linear pendant light with two cable suspensions, 48V DC, light control Casambi.  
Nichia LED: CRI: > 90 and R9 > 50  
Flux 3500 lm/m  
Select the colour temperature 2700 K or 3000 K.  
The louvre is always black.

**Note:** The Box 90|48 V power supply is included in the surface-mounted housing.



Length wattage / flux	Colour	Article no.	Colour temperature		€ Euro
			2700 K	3000 K	
<b>1400 mm</b> 36,5 W / 3500 lm/m	alumatt	48-50741 a	+...-27	...-30	1669,00
	white	48-50741 w	+...-27	...-30	
	black	48-50741 b	+...-27	...-30	
	bronze	48-50741 c	+...-27	...-30	
<b>2000 mm</b> 52 W / 3500 lm/m	alumatt	48-50841 a	+...-27	...-30	1969,00
	white	48-50841 w	+...-27	...-30	
	black	48-50841 b	+...-27	...-30	
	bronze	48-50841 c	+...-27	...-30	

2508-244



**long leaf mono48 | for recessed mounting**  
Linear pendant luminaire

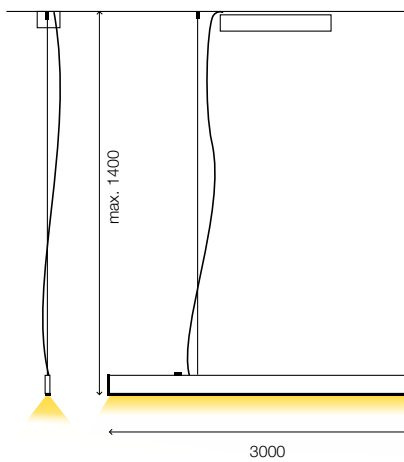
Linear pendant light with three cable suspensions, 48V DC, light control Casambi.  
incl. recessed canopy and cover plate  
Nichia LED: CRI: > 90 and R9 > 50  
Flux 3500 lm/m  
Select the colour temperature 2700 K or 3000 K.  
The louvre is always black.

**Note:** We recommend Tronic90|48 V oder MW150|48 V as the control gear. Please order separately as an accessory. Due to its size, the power supply must be installed outside the recessed canopy.



Length wattage / flux	Colour	Article no.	Colour temperature		€ Euro
			2700 K	3000 K	
<b>3000 mm</b> 78 W / 3500 lm/m	alumatt	48-50931 a	+...-27	...-30	2207,00
	white	48-50931 w	+...-27	...-30	
	black	48-50931 b	+...-27	...-30	
	bronze	48-50931 c	+...-27	...-30	

Professional Product: Please note additional handling and shipping costs.

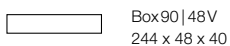


**long leaf mono48 | for surface mounting**  
Linear pendant luminaire

Linear pendant luminaire

Linear pendant light with three cable suspensions, 48V DC, light control Casambi.  
Nichia LED: CRI: > 90 and R9 > 50  
Flux 3500 lm/m  
Select the colour temperature 2700 K or 3000 K.  
The louvre is always black.

**Note:** The Box90|48V power supply is included in the surface-mounted housing.



Length wattage / flux	Colour	Article no.	Colour temperature		€ Euro
			2700 K	3000 K	
<b>3000 mm</b> 78 W / 3500 lm/m	alumatt	48-50941 a	+...-27	...-30	2546,00
	white	48-50941 w	+...-27	...-30	
	black	48-50941 b	+...-27	...-30	
	bronze	48-50941 c	+...-27	...-30	

Professional Product: Please note additional handling and shipping costs.

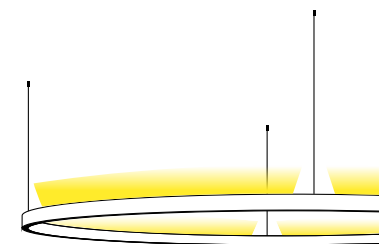
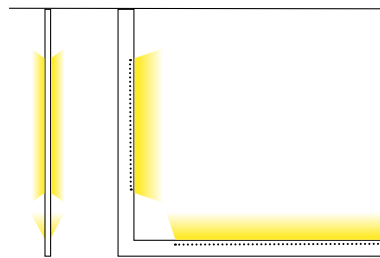
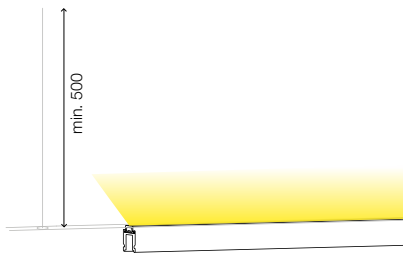




Sense System Pend48,  
and Led Line uplight



Design: buschfeld Design



### led line uplight

project-related luminaire system: pend48, rondo48

Led Line is an uplight module and available in different standard dimensions. It is custom made for projects and pre-installed in our pendant mounted track, or in the Rondo ring-shaped chandelier. Led Line functions as an uplight and is only for application in the upper channel.

In order to be able to make you a detailed offer, we would ask you to send us:

- a **sketch** indicating the layout of the track
- incl. **marks for Led Line** within the lighting system
- Let us know if you prefer a **visible or a concealed power supply unit** (48 V DC).

- operating voltage: 48 V DC
- Nichia LED
- Energy efficiency class: F
- beam angle 120°
- lifespan: > 60.000 h

#### 4 options:

- colour temperature: **2200 K**
- power: ~ 29 W/m
- flux: 3315 lm/m
- luminous efficacy: 115 lm/W
- CRI: > 80

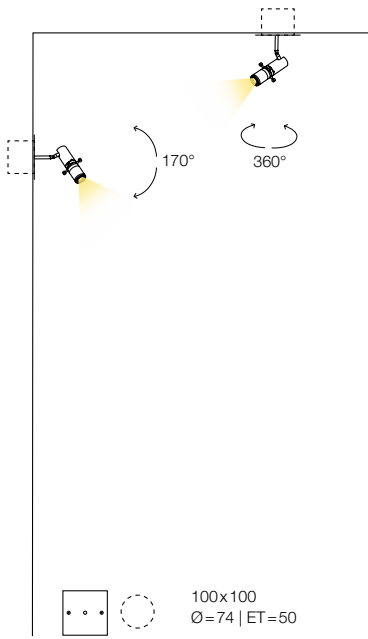
- colour temperature: **2700 K**
- power: ~ 26 W/m
- flux: 3300 lm/m
- luminous efficacy: 127 lm/W
- CRI: > 90 and R<sub>g</sub> > 50

- colour temperature: **3000 K**
- power: ~ 26 W/m
- flux: 3500 lm/m
- luminous efficacy: 135 lm/W
- CRI: > 90 and R<sub>g</sub> > 50

- colour temperature: **4000 K**
- power: ~ 29 W/m
- flux: 3750 lm/m
- luminous efficacy: 130 lm/W
- CRI: > 90 and R<sub>g</sub> > 50

You can reach us by mail at [info@buschfeld.de](mailto:info@buschfeld.de)





**mini projector mono48 S | for recessed mounting**

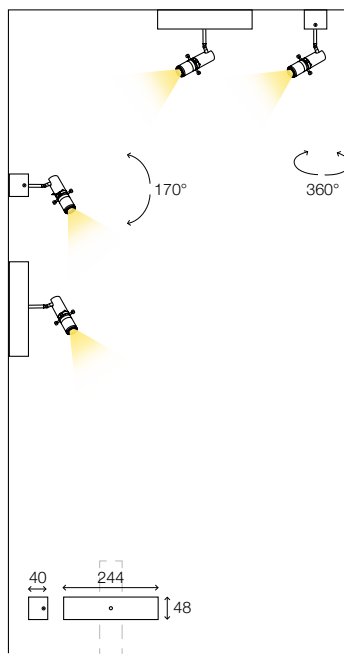
projector system: mono48

Swivel and tilt mini projector, single light, 48V DC, light control Casambi. With precise beam angles and flexible light fields, the small projectors create impressive highlights create impressive highlights and set special accents.

Projector colour and cover plate: black  
 Colour temperature: 3000 K (2700 K and 4000 K on request)  
 Colour rendering: CRI 97  
 Select beam angle: 15° -36° Zoom or 55° Fix.

**Note:** We recommend Tronic 90|48 V as the control gear. Please order separately as an accessory. Due to its size, the power supply must be installed outside the recessed canopy.

Beam angle wattage / flux	Colour	Article no.	€ Euro
<b>15° -36° Zoom</b> 7 W / 100-140 lm	● black	48-61131 b-711	877,00
<b>55° Fix</b> 7 W / 1145-160 lm	● black	48-61131 b-710	877,00



**mini projector mono48 S | for surface mounting**

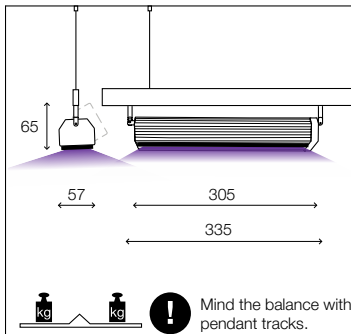
projector system: mono48

Tilt mini projector, single light, 48V DC, light control Casambi. With precise beam angles and flexible light fields, the small projectors create impressive highlights create impressive highlights and set special accents.

Projector and housing colour: black  
 Colour temperature: 3000 K (2700 K and 4000 K on request)  
 Colour rendering: CRI 97  
 Select beam angle: 15° -36° Zoom or 55° Fix.

**Note:** The Tronic 90|48 V power supply is included in the surface-mounted housing.

Beam angle wattage / flux	Colour	Article no.	€ Euro
<b>15° -36° Zoom</b> 7 W / 100-140 lm	● black	48-61141 b-711	1161,00
<b>55° Fix</b> 7 W / 1145-160 lm	● black	48-61141 b-710	1161,00



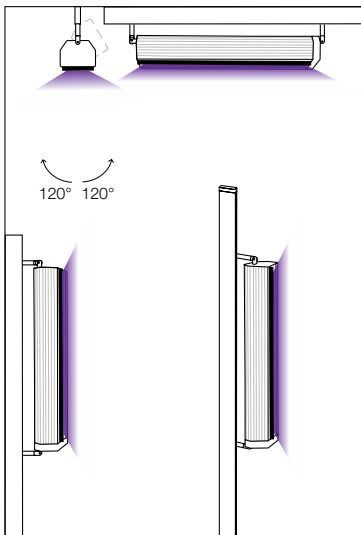
**art light**

project light system: pend48, ceiling48, in48, steel48, tri48 floor



High-quality black light luminaires for art, events and special effects - with optimum UV performance for impressive fluorescence, in the Buschfeld track system.

Nichia LED  
Wavelength in the UV-A range standard 385 nm  
Luminaire colour: black



Luminaire length  
wattage / wavelength

Article no.

€ Euro

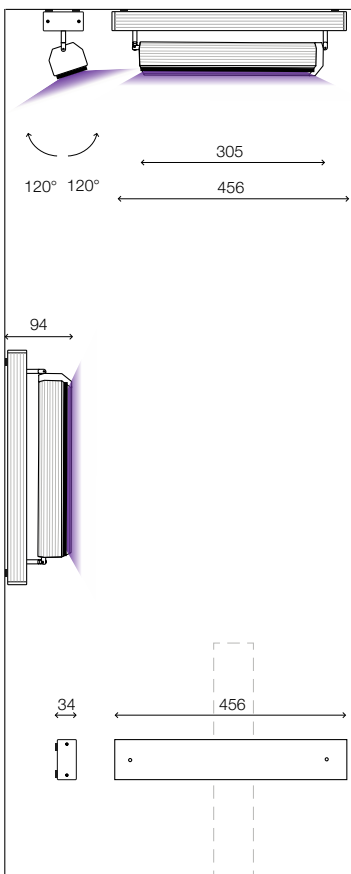
**305mm**  
32 W / 385 nm

48-81151-385

998,00



Design: buschfeld Design



**art light mono48 | for surface mounting**

project light system: mono48



With precise beam angles and flexible light fields, the small projectors create impressive highlights create impressive highlights and set special accents.

Nichia LED  
Wavelength in the UV-A range standard 385 nm  
Luminaire and housing colour: black  
Swivelling  
The light is always controlled via Casambi.

**Note:** The Power 250|48 V power supply is included in the surface-mounted housing.

Luminaire length  
wattage / wavelength

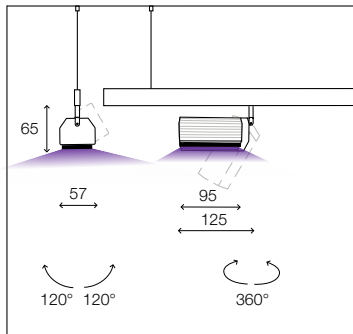
Article no.

€ Euro

**305 mm**  
32 W / 385 nm

48-8114-385

1.309,00



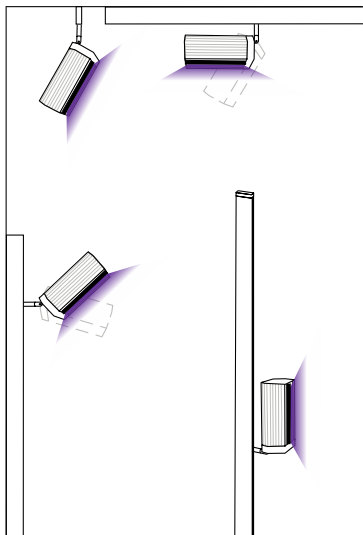
**art light**

project light system: pend48, ceiling48, in48, steel48, tri48 floor



High-quality black light luminaires for art, events and special effects - with optimum UV performance for impressive fluorescence, in the Buschfeld track system.

Nichia LED  
 Wavelength in the UV-A range standard 385 nm  
 Luminaire colour: black  
 Swivel and rotatable, hide adapter  
 The light is always controlled via Casambi.



Luminaire length  
 wattage / wavelength

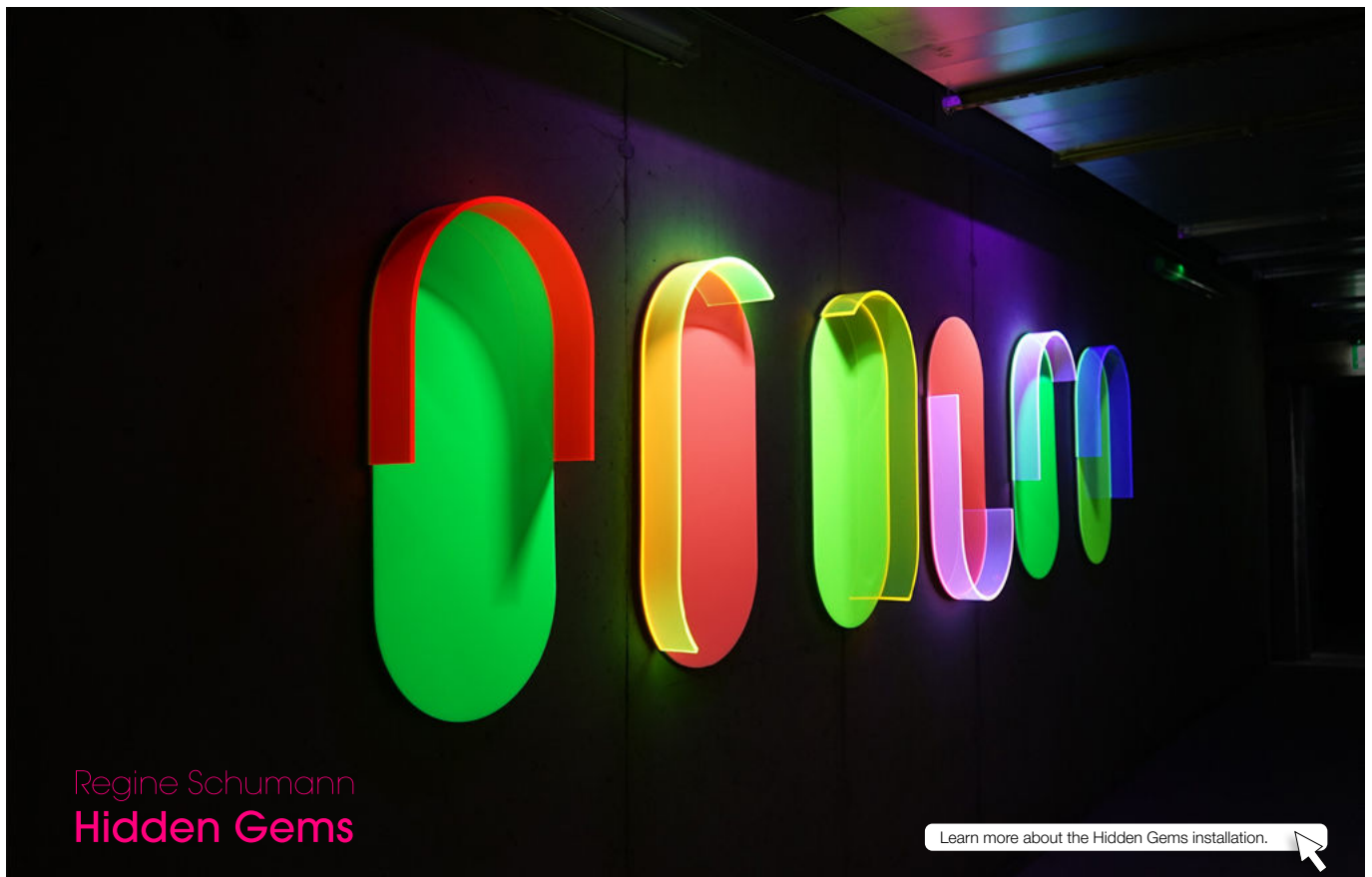
Article no.

€ Euro

**95 mm**  
 11 W / 385 nm

48-81251-385

713,00



Regine Schumann  
**Hidden Gems**

[Learn more about the Hidden Gems installation.](#)

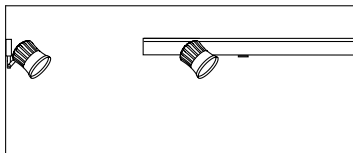
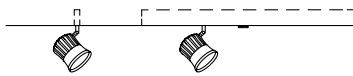
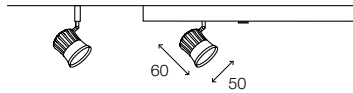
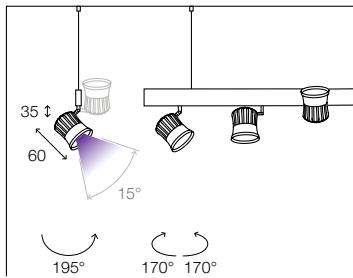


**fifty XS black light**

directional spotlight system: wall48, pend48, ceiling48, in48, rondo48, tri48, steel48

Swivel and tilt directional spotlight with UV light, system light, 48V DC, light control Casambi. Rod connection on the adapter: 0° to the track. High-quality black light for art, events and special effects - with optimum UV performance for impressive fluorescence.

The price offered includes the permanently installed Light Engine: Nichia LED, wavelength in the UV-A range standard 385 nm  
Beam angle: 15°. Optics with magnet for tool-free attachment of various filter attachments for light control. See Soraa Snap System. Shades can be added as an option.



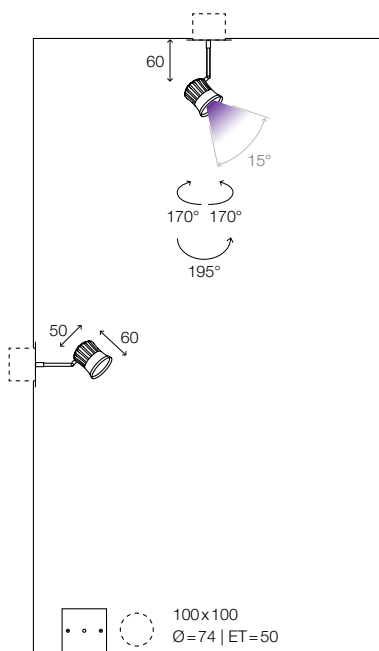
Lighting control	Article no	€ Euro
Casambi 6,5 W / 385 nm	48-21251-385	543,00

**shades**

Type of shade	Colour	Article no.	€ Euro
<p><b>Tube50</b> 60 mm, with slit and border</p>	alumatt	48-2412 a	35,00
	white	48-2412 w	
	black	48-2412 b	
	bronze	48-2412 c	92,00*
	Messing brüniert	48-2412 mb	
<p><b>Tube50</b> 80 mm, with slit, without border</p>	alumatt	48-2418 a	35,00
	white	48-2418 w	
	black	48-2418 b	
	bronze	48-2418 c	

\*Brass, burnished: Please note the reduced dealer discount and potentially longer delivery time.

Design: buschfeld Design



**fifty mono48 S black light | for recessed mounting**



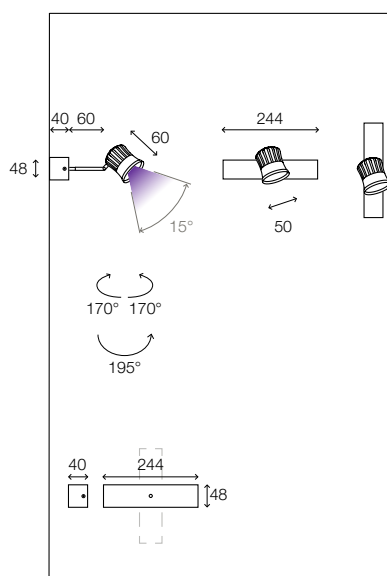
directional spotlight system: mono48

Swivel and tilt directional spotlight with UV light, single light, 48V DC, light control Casambi. High-quality black light for art, events and special effects - with optimum UV performance for impressive fluorescence.

The price offered includes the permanently installed Light Engine: Nichia LED, wavelength in the UV-A range standard 385 nm Beam angle: 15°. Optics with magnet for tool-free attachment of various filter attachments for light control. See Soraa Snap System. The matching shades can be found with the Fifty XS luminaire on page 104

**Note:** We recommend Tronic 90|48 V as the control gear. Please order separately as an accessory. Due to its size, the power supply must be installed outside the recessed canopy.

Lighting control	Colour	Article no	€ Euro
Casambi 6,5 W / 385 nm	alumatt	48-21131 a-385	570,00
	white	48-21131 w-385	
	black	48-21131 b-385	
	bronze	48-21131 c-385	



**fifty mono48 S black light | for surface mounting**



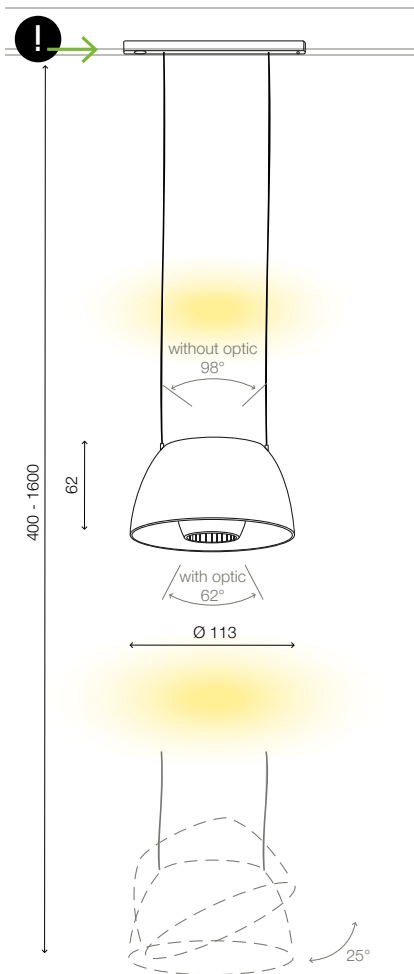
directional spotlight system: mono48

Swivel and tilt directional spotlight with UV light, single luminaire, 48V DC, light control Casambi. High-quality black light for art, events and special effects - with optimum UV performance for impressive fluorescence.

The price offered includes the permanently installed Light Engine: Nichia LED, wavelength in the UV-A range standard 385 nm Beam angle: 15°. Optics with magnet for tool-free attachment of various filter attachments for light control. See Soraa Snap System. The matching shades can be found with the Fifty XS luminaire on page 104

**Note:** The Tronic 90|48 V power supply is included in the surface-mounted housing.

Lighting control	Colour	Article no	€ Euro
Casambi 6,5 W / 385 nm	alumatt	48-21141 a-385	854,00
	white	48-21141 w-385	
	black	48-21141 b-385	
	bronze	48-21141 c-385	



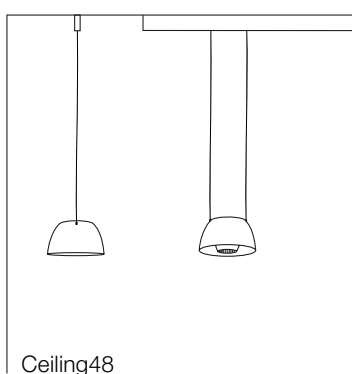
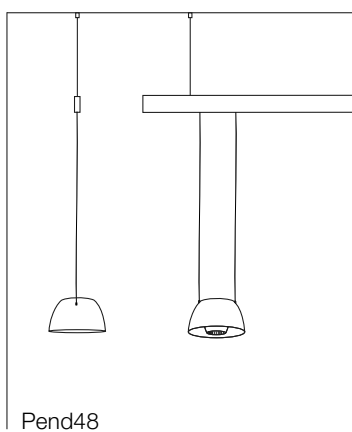
### BALTENSWEILER IRIO P BF

Original Baltensweiler pendant luminaire for pend48, ceiling48

- CRI min. 90
- Beam angle: Indirect light / uplight (without optics) 98°.
- Direct light (with optics) 62°. The optics are included in the scope of delivery.
- The "Baltensweiler for Buschfeld" luminaires offered here are Casambi ready.
- The position of the luminaire must be selected when installing the system.
- Pendant can be adjusted vertically downwards by pulling on the luminaire head.
- Pendant vertically upwards by means of mechanical winding adjustable with integrated rotary handle
- Switchable and dimmable (stepless) via integrated Casambi push-button (underside of the luminaire head)
- Indirect and direct light can be switched separately (dimming of entire luminaire)
- Briefly press the integrated push-button to switch between the indirect the scenes indirect light, direct light or both together, dimming takes place with a long press of the button

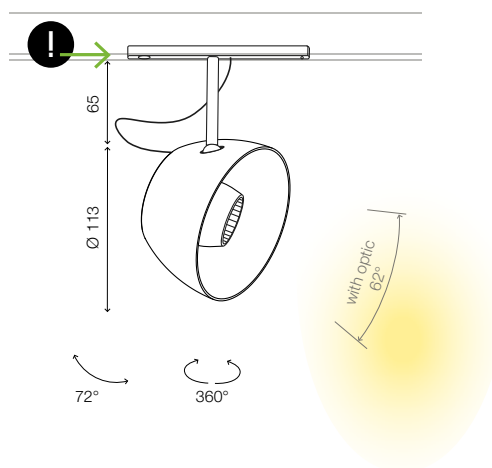
Colour temperature wattage / flux	Colour	Article no.	€ Euro
<b>2700 K</b> 15,5 W / 1505 lm	alumatt	6742 020 A	935,00*
	black	6742 020 S	970,00*
	bronze	6742 020 B	990,00*
<b>1800 - 2850 K</b> 15 W / 1180 lm	alumatt	6742 120 A	935,00*
	black	6742 120 S	970,00*
	bronze	6742 120 B	990,00*

\*Prices subject to change by Baltensweiler.  
A reduced dealer discount applies.




**Attention!** The IRIO P BF luminaire described here is supplied with an original Baltensweiler adapter. This must be inserted at the side and cannot be used later at any point in the system, as is the case with our own luminaires (e.g. Ninety-Five, Fifty or Thirty-Five). To change the luminaire position within a system, it may be necessary for IRIO P BF, connectors may need to be disconnected and reconnected.










For Baltensweiler luminaires, plan additional track mounting kits.



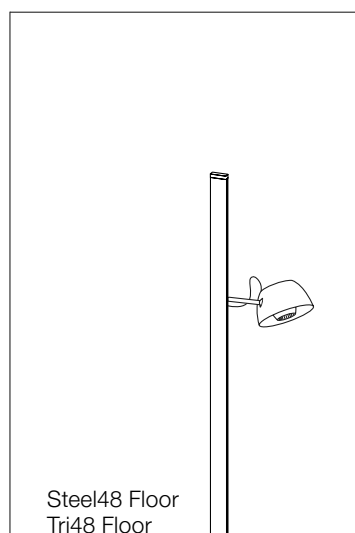
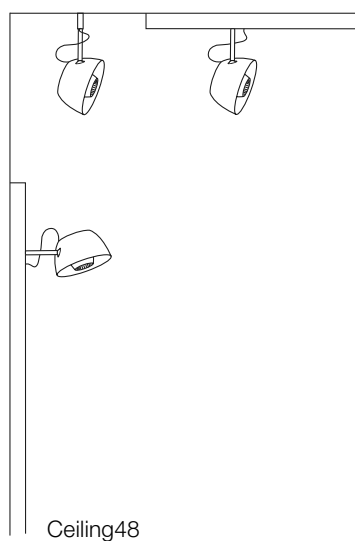
### BALTENSWEILER IRIO R BF


Original Baltensweiler directional spotlight for ceiling48, steel48 floor, tri48 floor

- CRI min. 90
- Beam angle: direct light (with optics) 62°. The optics are included in the scope of delivery.
- The "Baltensweiler for Buschfeld" luminaires offered here are Casambi ready.
- The position of the spotlight must be selected when installing the system. 
- Spotlight can be freely directed vertically in the range of 72° by ball joint -> is used for horizontal illumination
- Switchable and dimmable (infinitely variable) via Casambi app

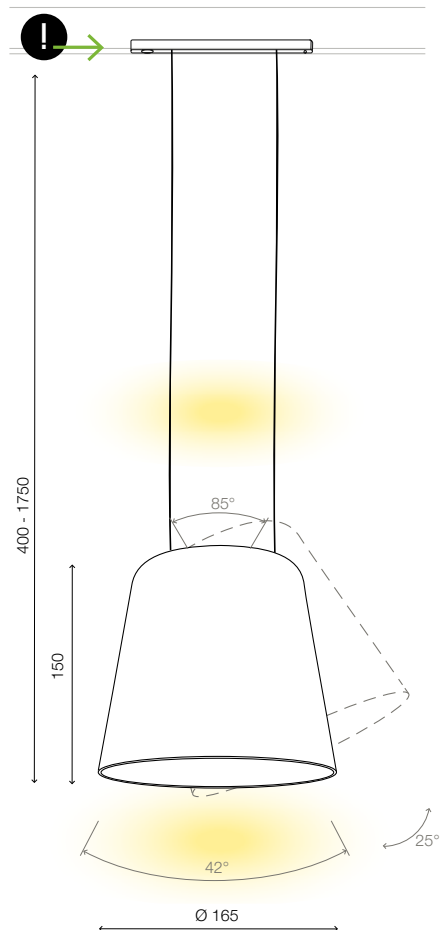
Colour temperature wattage / flux	Colour	Article no.	€ Euro
<b>2700 K</b> 15,5 W / 1350 lm	 alumatt	6751 020 A	725,00*
	 black	6751 020 S	755,00*
	 bronze	6751 020 B	775,00* 
<b>1800 - 2850 K</b>  15 W / 1140 lm	 alumatt	6751 120 A	725,00*
	 black	6751 120 S	755,00*
	 bronze	6751 120 B	775,00* 

\*Prices subject to change by Baltensweiler.  
A reduced dealer discount applies.




 **Attention!** The IRIO R BF luminaire described here is supplied with an original Baltensweiler adapter. This must be inserted at the side and cannot be used later at any point in the system, as is the case with our own luminaires (e.g. Ninety-Five, Fifty or Thirty-Five). To change the luminaire position within a system, it may be necessary for IRIO R BF, connectors may need to be disconnected and reconnected.














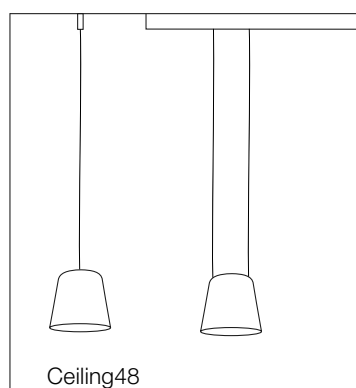
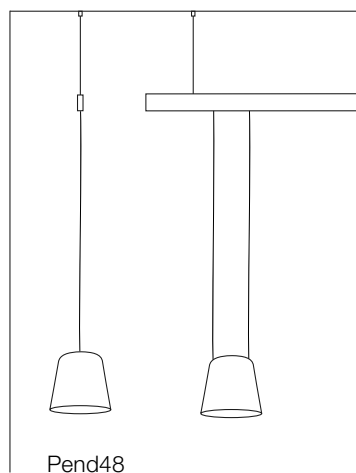
### BALTENSWEILER FEZ DZ BF


Original Baltensweiler pendant light for pend48, ceiling48

- CRI min. 90
- Beam angle: indirect light / uplight 85°; direct light 42°.
- The "Baltensweiler for Buschfeld" luminaires offered here are Casambi ready.
- The position of the luminaire must be selected when installing the system. 
- Luminaire infinitely vertically height-adjustable via automatic cable pull
- Switchable and dimmable (infinitely variable) via integrated Casambi push-button (top of the luminaire head).
- Indirect and direct light can be switched separately (dimming of entire luminaire)
- Switch between indirect and direct light scenes or both together with a short short push-button action on integrated push-button, dimming with long push-button action

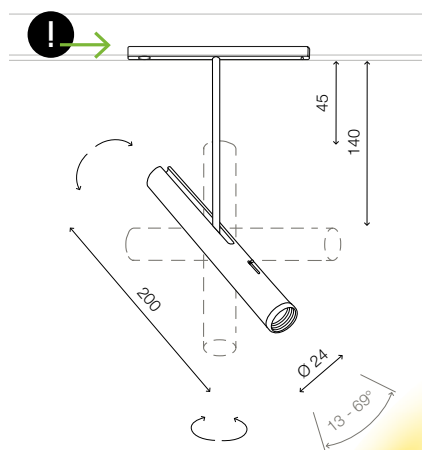
Colour temperature wattage / flux	Colour	Article no.	€ Euro
<b>2700 K</b> 27,5 W / 2615 lm	 alumatt	7042 020 A	1.410,00*
	 black	7042 020 S	1.485,00*
	 white	7042 020 W	1.485,00*
	 bronze	7042 020 B	1.640,00*
<b>1800 - 2850 K</b>  27 W / 2310 lm	 alumatt	7042 120 A	1.410,00*
	 black	7042 120 S	1.485,00*
	 white	7042 120 W	1.485,00*
	 bronze	7042 120 B	1.640,00*

\*Prices subject to change by Baltensweiler.  
A reduced dealer discount applies.



 **Attention!** The FEZ DZ BF luminaire described here is supplied with an original Baltensweiler adapter. This must be inserted at the side and cannot be used later at any point in the system, as is the case with our own luminaires (e.g. Ninety-Five, Fifty or Thirty-Five). To change the luminaire position within a system, it may be necessary for FEZ DZ BF, connectors may need to be disconnected and reconnected.

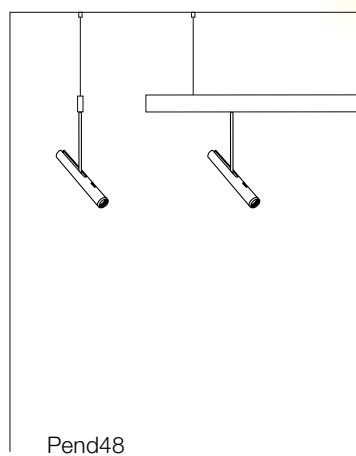
For Baltensweiler luminaires, plan additional track mounting kits.



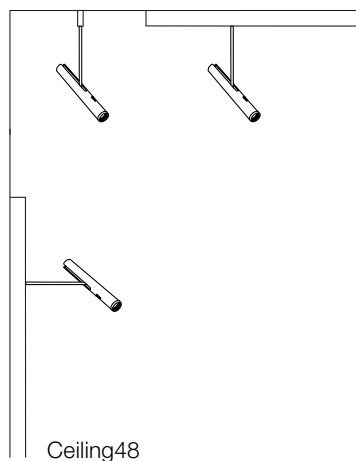
### BALTENSWEILER LINiJA R Vario BF

Original Baltensweiler spotlight for pend48, ceiling48

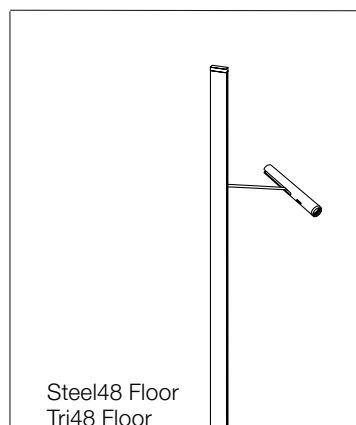
- CRI min. 90
- Beam angle: 13 - 69°, adjustable with focusing pin on the luminaire head
- The "Baltensweiler for Buschfeld" luminaires offered here are Casambi ready.
- The position of the spotlight must be selected when installing the system.
- The Vario spotlight can be used to highlight and illuminate objects in a targeted manner. It is used for horizontal illumination.



Pend48



Ceiling48



Steel48 Floor  
Tri48 Floor

Colour temperature wattage / flux	Colour	Article no.	€ Euro
<b>2700 K</b> 6,5 W / 425 lm	alumatt	5098 48 020 A	590,00*
	black	5098 48 020 S	650,00*

\*Prices subject to change by Baltensweiler.  
A reduced dealer discount applies.


**Attention!** The LINiJA R Vario BF luminaire described here is supplied with an original Baltensweiler adapter. This must be inserted at the side and cannot be used later at any point in the system, as is the case with our own luminaires (e.g. Ninety-Five, Fifty or Thirty-Five). To change the luminaire position within a system, it may be necessary for LINiJA R Vario BF, connectors may need to be disconnected and reconnected.



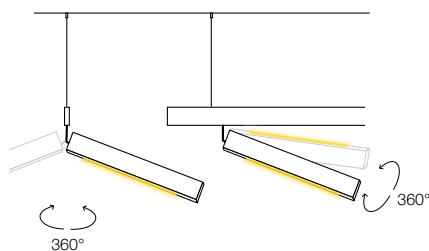
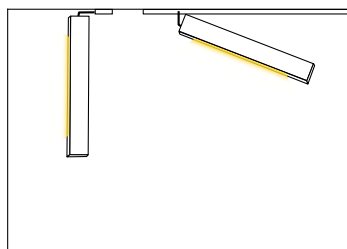
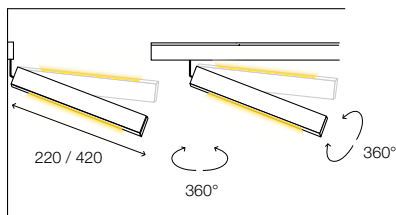
**luminaires not dimmable,**  
without lighting control


**leaf20 basic | leaf40 basic**









Linear luminaire system: wall48, pend48, ceiling48, in48, steel48, tri48 floor

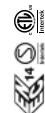
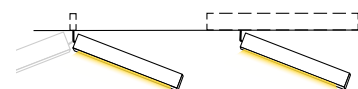
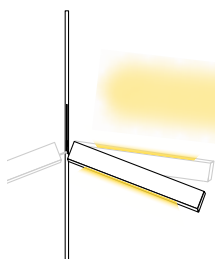
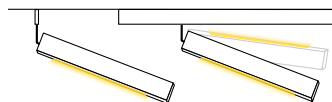
 without individual lighting control - dimming option as group on request  
 Leaf as a short, movable, linear luminaire for installation on the inner track conductor side.

Select the colour temperature.  
 Beam angle approx. 120°  
 Can be swivelled and rotated 360°, hide adapter  
 Nichia LED: CRI: > 90 and R9 > 50

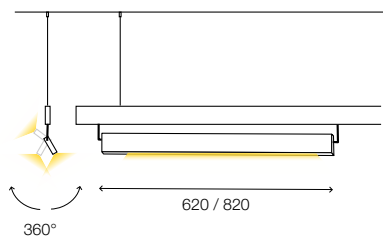


 Mind the balance with pendant tracks.

Length wattage / flux	Colour	Article no.	Colour temperature		€ Euro
			2700 K	3000 K	
<b>220 mm</b> 5,5 W / 700 lm	 alumatt	48-51050 a +	...-27	...-30	313,00
	 white	48-51050 w +	...-27	...-30	
	 black	48-51050 b +	...-27	...-30	
	 bronze	48-51050 c +	...-27	...-30	
<b>420 mm</b> 10,5 W / 1400 lm	 alumatt	48-51150 a +	...-27	...-30	366,00
	 white	48-51150 w +	...-27	...-30	
	 black	48-51150 b +	...-27	...-30	
	 bronze	48-51150 c +	...-27	...-30	




Design: buschfeld Design

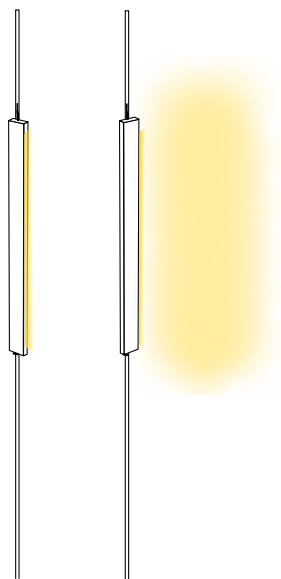










**leaf60 basic | leaf80 basic**

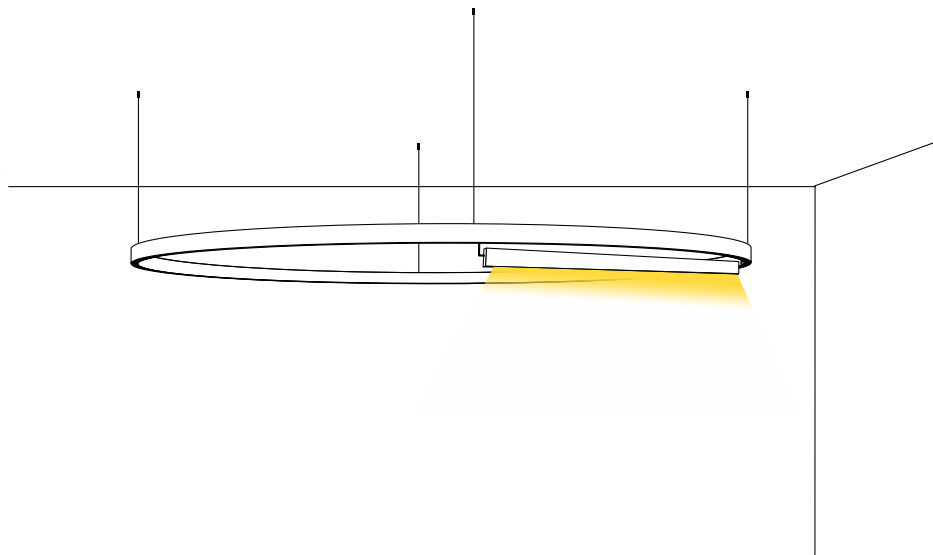
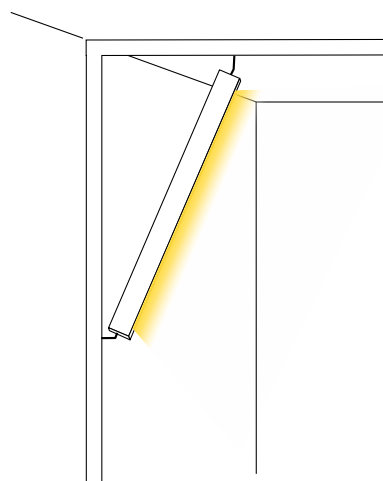
Linear luminaire system: pend48, ceiling48, in48, steel48, tri48 floor

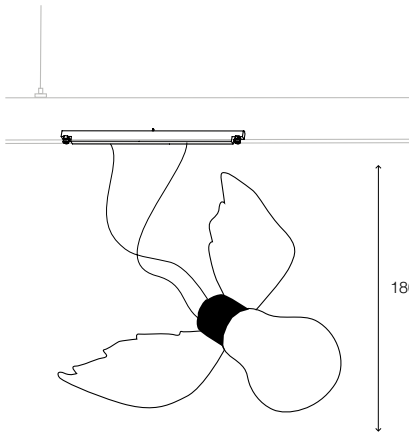
 without individual lighting control - dimming option as group on request  
The luminaire can be locked straight into the course of a track or at an angle, e.g. across a corner in two tracks.

Select the colour temperature.  
Beam angle approx. 120°  
Can be swivelled and rotated 360°, hide adapter  
Nichia LED: CRI: > 90 and R9 > 50



Length wattage / flux	Colour	Article no.	Colour temperature		€ Euro
			2700 K	3000 K	
<b>620 mm</b> 16 W / 2100 lm	 alumatt	48-51250 a +	...-27	...-30	608,00
	 white	48-51250w +	...-27	...-30	
	 black	48-51250 b +	...-27	...-30	
	 bronze	48-51250 c +	...-27	...-30	
<b>820 mm</b> 21 W / 2800 lm	 alumatt	48-51350 a +	...-27	...-30	734,00
	 white	48-51350 w +	...-27	...-30	
	 black	48-51350 b +	...-27	...-30	
	 bronze	48-51350 c +	...-27	...-30	





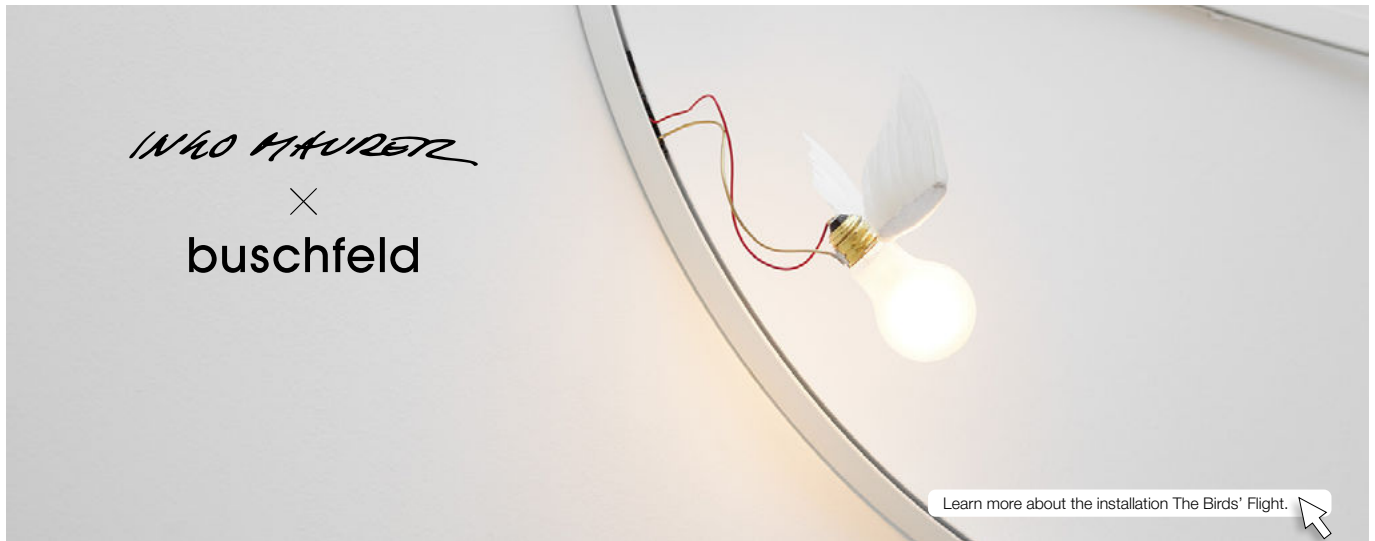


**Lucellino for buschfeld**

Luminaire "Lucellino" for pend48, ceiling48, in48, wall48

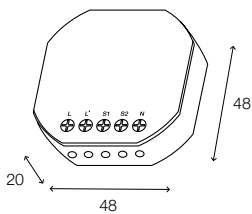
The "Lucellino for Buschfeld" is an original from the company Ingo Maurer GmbH and for custom designs with Buschfeld lighting tracks with the hide adapter and 48V DC on/off track driver. The light bulb with its handmade goose feather wings embodies the characteristics that define Ingo Maurer: Poetry, humour and technology.

- LED: 1.5 W; 100 lm; 2700 K; CRI > 85;	article no.	€ Euro
- 15,000 h; EEC A+		
-  without lighting control	48-32600	354,00
-  dimmable as a group on request		



**Casambi switching relay**

controlled via Casambi



includes two functions:

1. The relay can meet the requirements of the Ecodesign Directive. It switches the operating device completely voltage-free in order to reduce the standby power loss in the sense of the ERP directive EU 2019/2020. Due to its high load, it is suitable - independently of our Sense system - for e.g. switching non-dimmable electrical devices on and off, suitable for loads up to 3000 VA - 13 A.

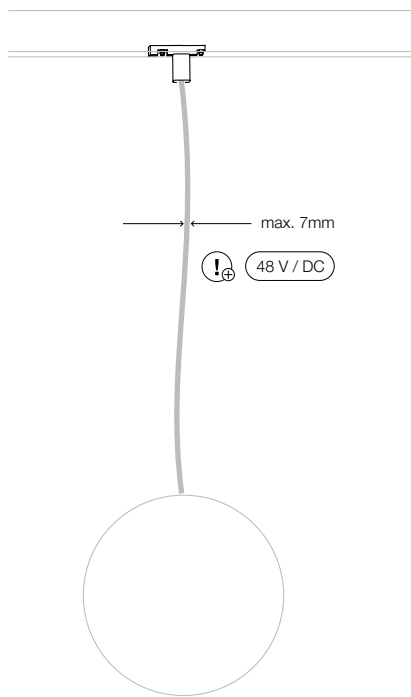
2. Combined with a conventional push-button, the Casambi unit also offers the option of connecting 1 or 2 freely configurable push-buttons that can be used freely in the Casambi interface for luminaire / group / scene / relay etc.

- can be combined with all commercially available push-buttons (spring-back)	article no.	€ Euro
- 48 x 48 x 20 mm	97919	156,00

**buschfeld universal-luminaire adapter, 7 mm**

Connection for 48 V lights from other manufacturers for pend48, ceiling48, in48

Adapter for 48 V DC pendant lights from other manufacturers with cable.  
Connectable cable max. 7 mm outer diameter (e.g. textile cable)



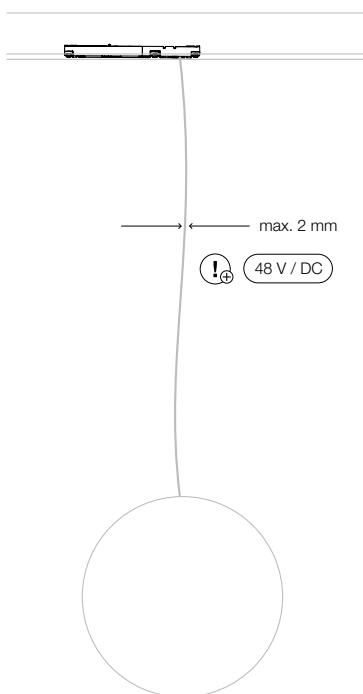
- 48 V DC is mandatory
- screw connection of the luminaire cable on-site to terminals in the connection block

article no.	€ Euro
● 91143	109,00
○ 91144	
● 91145	
● 91146	

**buschfeld universal-luminaire adapter, 2 mm**

Connection for 48 V lights from other manufacturers for pend48, ceiling48, in48

Adapter for 48 V DC pendant lights from other manufacturers with cable.  
Connectable cable max. 2 mm outer diameter (e.g. coaxial cable)



- 48 V DC is mandatory
- Direct connection to the contact board in the adapter

article no.	€ Euro
91142	109,00

Design: buschfeld Design



control gear 48 V

# overview

## design control gear

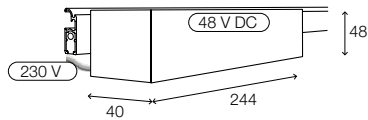
	article no.	Wall48	Ceiling48	Pend48	In48
Box Wall48   90	48-90610	•			
Bigbox Wall48   150	48-90626	•			
Bigbox Wall48   320	48-90627	•			
Power Wall48   250	48-90628	•			
Box Pend/Ceiling48   90	48-90635		•	•	
Bigbox Pend/Ceiling48   150	48-90636		•	•	
Bigbox Pend/Ceiling48   320	48-90637		•	•	
Power Pend/Ceiling48   250	48-90638		•	•	
Steel48 Floor					
Steel48 Floor Led Line					
Tri48 Floor					

## concealed control gear

	article no.	Wall48	Ceiling48	Pend48	In48
Tronic90   48 V	48-90115	•	•	•	•
MW150   48 V	48-90143	•	•	•	•
MW320   48 V	48-90114	•	•	•	•
MW480   48 V	48-90196	•	•	•	•
MW600   48 V	48-90187	•	•	•	•

max. permitted system length	possible number of luminaires with light control		
	Ninety-Five 20 W	Fifty 15 W	Thirty-Five 8,8 W
15 m	1 - 4	1 - 6	1 - 10
15 m	1 - 7	1 - 9	1 - 15
15 m	1 - 15	1 - 20	1 - 34
15 m	1 - 10	1 - 14	1 - 24
15 m	1 - 4	1 - 6	1 - 10
15 m	1 - 7	1 - 9	1 - 15
15 m	1 - 15	1 - 20	1 - 34
15 m	1 - 10	1 - 14	1 - 24
	1 - 7	1 - 9	1 - 15
	1 - 4	1 - 5	1 - 9
	1 - 11	1 - 14	1 - 25

max. permitted system length	possible number of luminaires with light control		
	Ninety-Five 20 W	Fifty 15 W	Thirty-Five 8,8 W
15 m	1 - 4	1 - 6	1 - 10
15 m	1 - 7	1 - 9	1 - 15
15 m	1 - 15	1 - 20	1 - 34
15 m	1 - 24	1 - 32	1 - 54
15 m	1 - 30	1 - 40	1 - 70

**box wall48 | 90**

power supply unit system: wall48

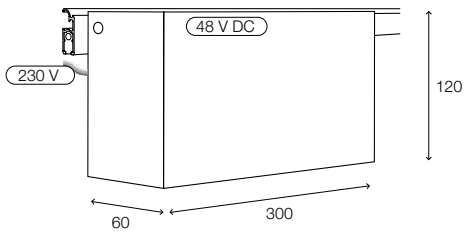
- PRI: 220-240 V AC | SEC: 48 V DC | 90 W
- power supply unit in a design housing
- with integral short circuit, overheating and overload protection
- concealed adapter feed included
- 2 end caps
- for system lengths of up to 15 m
- LWH 244 x 40 x 48 mm
- 0.5 kg

- number of luminaires per control gear

Ninety-Five	(20 W)	1 - 4
Fifty	(15 W)	1 - 6
Thirty-Five	(8,8 W)	1 - 10

article no. € Euro

	48-90610 a	421,00
	48-90610 w	
	48-90610 b	
	48-90610 c	

**bigbox wall48 | 150**

power supply unit system: wall48

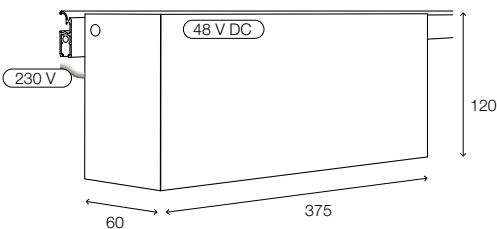
- PRI: 90-305 V AC or 127-431 V DC
- SEC: 48 V DC | 150 W
- power supply unit in a design housing
- with integral short circuit, overheating and overload protection
- incl. 0.5 m connecting cable, transparent silver
- concealed adapter feed included
- 2 end caps
- for system lengths of up to 15 m
- LWH 300 x 60 x 120 mm
- 2.2 kg

- number of luminaires per control gear

Ninety-Five	(20 W)	1 - 7
Fifty	(15 W)	1 - 9
Thirty-Five	(8,8 W)	1 - 15

article no. € Euro

	48-90626 a	510,00
	48-90626 w	
	48-90626 b	
	48-90626 c	

**bigbox wall48 | 320**

power supply unit system: wall48

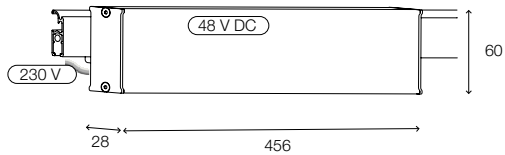
- PRI: 90-305 V AC or 127-431 V DC
- SEC: 48 V DC | 320 W
- power supply unit in a design housing
- with integral short circuit, overheating and overload protection
- incl. 0.5 m connecting cable, transparent silver
- concealed adapter feed included
- 2 end caps
- for system lengths of up to 15 m
- LWH 375 x 60 x 120 mm
- 3 kg

- number of luminaires per control gear

Ninety-Five	(20 W)	1 - 15
Fifty	(15 W)	1 - 20
Thirty-Five	(8,8 W)	1 - 34

article no. € Euro





	48-90627 a	589,00
	48-90627 w	
	48-90627 b	
	48-90627 c	

**power wall48 | 250**

power supply unit system: pend48, ceiling48

- PRI: 220-240 V AC | SEC: 48 V DC | 250 W
- power supply unit in a design housing
- with integral short circuit, overheating and overload protection
- incl. 0.5 m connecting cable, transparent silver
- concealed adapter feed included
- 2 end caps
- for system lengths of up to 15 m
- LWH 456 x 28 x 60 mm
- 1.2 kg

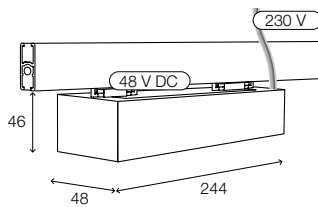
article no. € Euro

	48-90728 a	540,00
	48-90728 w	
	48-90728 b	
	48-90728 c	

- number of luminaires per control gear

Ninety-Five	(20 W)	1 - 10
Fifty	(15 W)	1 - 14
Thirty-Five	(8,8 W)	1 - 24

**WARNING:** Fire hazard - very slow overload indicator! Do not exceed the recommendation regarding the maximum number of luminaires, or 85% of the rated power.

**box pend/ceiling48 | 90**

switching power supply system: pend48, ceiling48

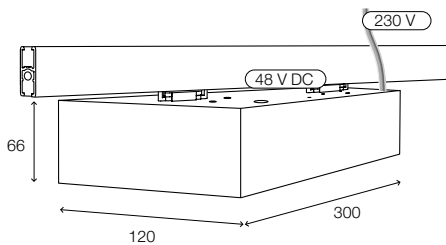
- PRI: 220-240 V AC | SEC: 48 V DC | 90 W
- switching power supply in a design housing
- with integral short circuit, overheating and overload protection
- incl. 1.5 m connecting cable, transparent silver
- concealed adapter feed included
- 2 end caps
- for system lengths of up to 15 m
- LWH 244 x 48 x 46 mm
- 0.5 kg

article no. € Euro

- 48-90635 a 421,00
- 48-90635 w
- 48-90635 b
- 48-90635 c

- number of luminaires per control gear

Ninety-Five (20 W)	1 - 4
Fifty (15 W)	1 - 6
Thirty-Five (8,8 W)	1 - 10

**bigbox pend/ceiling48 | 150**

switching power supply system: pend48, ceiling48

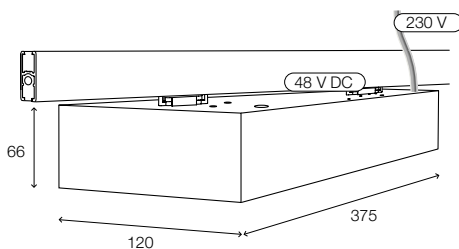
- PRI: 90-305 V AC or 127-431 V DC
- SEC: 48 V DC | 150 W
- switching power supply in a design housing
- with integral short circuit, overheating and overload protection
- incl. 1.5 m connecting cable, transparent silver
- concealed adapter feed included
- 2 end caps
- for system lengths of up to 15 m
- LWH 300 x 120 x 66 mm
- 2.2 kg

article no. € Euro

- 48-90636 a 510,00
- 48-90636 w
- 48-90636 b
- 48-90636 c

- number of luminaires per control gear

Ninety-Five (20 W)	1 - 7
Fifty (15 W)	1 - 9
Thirty-Five (8,8 W)	1 - 15

**bigbox pend/ceiling48 | 320**

switching power supply system: pend48, ceiling48

- PRI: 90-305 V AC or 127-431 V DC
- SEC: 48 V DC | 320 W
- switching power supply in a design housing
- with integral short circuit, overheating and overload protection
- incl. 1.5 m connecting cable, transparent silver
- concealed adapter feed included
- 2 end caps
- for system lengths of up to 15 m
- LWH 375 x 120 x 66 mm
- 3 kg

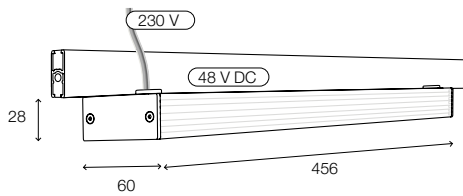
article no. € Euro

- 48-90637 a 589,00
- 48-90637 w
- 48-90637 b
- 48-90637 c

- number of luminaires per control gear

Ninety-Five (20 W)	1 - 15
Fifty (15 W)	1 - 20
Thirty-Five (8,8 W)	1 - 34

Regarding the control gear please note: other mounting options (e.g. ceiling mounted) are possible.

**power pend/ceiling48 | 250**

switching power supply system: pend48, ceiling48

- PRI: 220 - 240 V AC | SEC: 48 V DC | 250 W
- switching power supply in a design housing
- with integral short circuit, overheating and overload protection
- incl. 1.5 m connecting cable, transparent silver
- concealed adapter feed included
- 2 end caps
- for system lengths of up to 15 m
- LWH 456 x 60 x 28 mm
- 1.2 kg

article no. € Euro

- 48-90738 a 540,00
- 48-90738 w
- 48-90738 b
- 48-90738 c

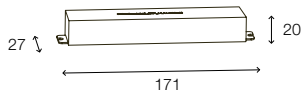
- number of luminaires per control gear

Ninety-Five	(20 W)	1 - 10
Fifty	(15 W)	1 - 14
Thirty-Five	(8,8 W)	1 - 24

**WARNING:** Fire hazard - very slow overload indicator! Do not exceed the recommendation regarding the maximum number of luminaires, or 85% of the rated power.

Regarding the control gear please note: other mounting options (e.g. ceiling mounted) are possible.

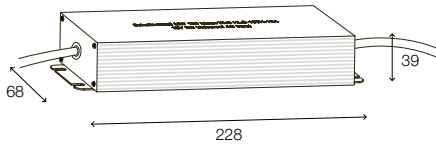
All technical data and prices quoted refer to the status quo when the price list was put together. Given that developments are part of a continuing process, all data provided is also subject to change.



**tronic 90 | 48 V**

power supply unit system: wall48, pend48, ceiling48, in48, rondo48

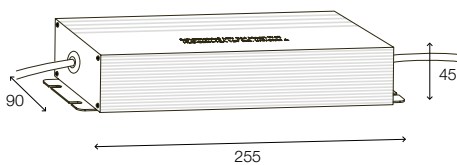
- PRI: 230 V | SEC: 48 V DC | 90 W
  - for recessed mounting
  - with integral short circuit, overheating and overload protection
  - for secondary track lengths of up to 15 m
  - LWH 171 x 27 x 20 mm
  - 0.35 kg
- |  |             |        |
|--|-------------|--------|
|  | article no. | € Euro |
|  | 48-90115    | 206,00 |
- 
- number of luminaires per control gear
- |                     |        |  |
|---------------------|--------|--|
| Ninety-Five (20 W)  | 1 - 4  |  |
| Fifty (15 W)        | 1 - 6  |  |
| Thirty-Five (8,8 W) | 1 - 10 |  |



**MW150 | 48 V**

power supply unit system: wall48, pend48, ceiling48, in48, rondo48

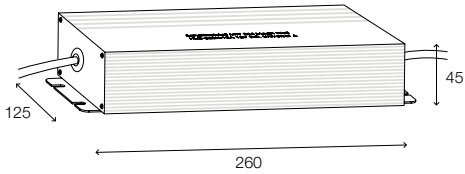
- PRI: 90-305 V AC or 127-431 V DC
  - SEC: 48 V DC | 150 W
  - for recessed mounting
  - with integral short circuit, overheating and overload protection
  - for secondary track lengths of up to 15 m
  - LWH 228x68x39 mm
  - 1.15 kg
- |  |             |        |
|--|-------------|--------|
|  | article no. | € Euro |
|  | 48-90143    | 245,00 |
- 
- number of luminaires per control gear
- |                     |        |  |
|---------------------|--------|--|
| Ninety-Five (20 W)  | 1 - 7  |  |
| Fifty (15 W)        | 1 - 9  |  |
| Thirty-Five (8,8 W) | 1 - 15 |  |



**MW320 | 48 V**

power supply unit system: wall48, pend48, ceiling48, in48, rondo48

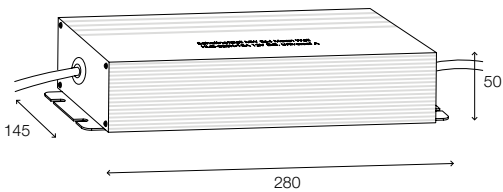
- PRI: 90-305 V AC or 127-431 V DC
  - SEC: 48 V DC | 320 W
  - for recessed mounting
  - with integral short circuit, overheating and overload protection
  - for secondary track lengths of up to 15 m
  - LWH 255x90x45 mm
  - 1.9 kg
- |  |             |        |
|--|-------------|--------|
|  | article no. | € Euro |
|  | 48-90114    | 336,00 |
- 
- number of luminaires per control gear
- |                     |        |  |
|---------------------|--------|--|
| Ninety-Five (20 W)  | 1 - 15 |  |
| Fifty (15 W)        | 1 - 20 |  |
| Thirty-Five (8,8 W) | 1 - 34 |  |



**MW480 | 48 V**

power supply unit system: wall48, pend48, ceiling48, in48, rondo48

- PRI: 90-305 V AC or 127-431 V DC
  - SEC: 48 V DC | 480 W
  - for recessed mounting
  - with integral short circuit, overheating and overload protection
  - for secondary track lengths of up to 15 m
  - LWH 260x125x45 mm
  - 2.8 kg
- |   | article no. | € Euro |
|---|-------------|--------|
| - number of luminaires per control gear |             |        |
| Ninety-Five (20 W)                      | 1 - 24      |        |
| Fifty (15 W)                            | 1 - 32      |        |
| Thirty-Five (8,8 W)                     | 1 - 54      |        |



**MW600 | 48 V**

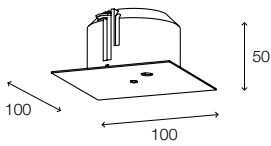
switching power supply system: wall48, pend48, ceiling48, in48, rondo48

- PRI: 90-305 V AC or 127-431 V DC
  - SEC: 48 V DC | 600 W
  - for recessed mounting
  - with integral short circuit, overheating and overload protection
  - for secondary track lengths of up to 15 m
  - LWH 280x145x50 mm
  - 4 kg
- |   | article no. | € Euro |
|---|-------------|--------|
| - number of luminaires per control gear |             |        |
| Ninety-Five (20 W)                      | 1 - 30      |        |
| Fifty (15 W)                            | 1 - 40      |        |
| Thirty-Five (8,8 W)                     | 1 - 70      |        |



connecting cables

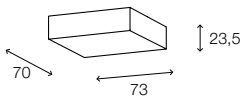
	article no.	€ Euro
transparent, silver supplied with 4 cable end sleeves		
2x2,5 mm <sup>2</sup> , running metre	90525	16,00
2x4 mm <sup>2</sup> , running metre	90520	18,00
2x6 mm <sup>2</sup> , running metre	90500	19,00



recessed canopy for power feed by cable



for LV cable connection or  
HV mains connection,  
cover plate 100x100  
depth 50  
diameter 74

	article no.	€ Euro
	93510	62,00
	93517	
	93518	



surface-mounted canopy for power feed by cable

for LV cable connection or  
HV mains connection,  
70x73x23,5

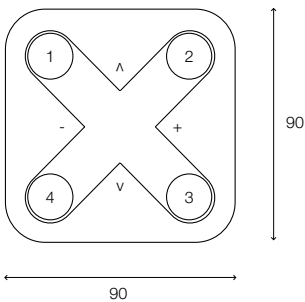
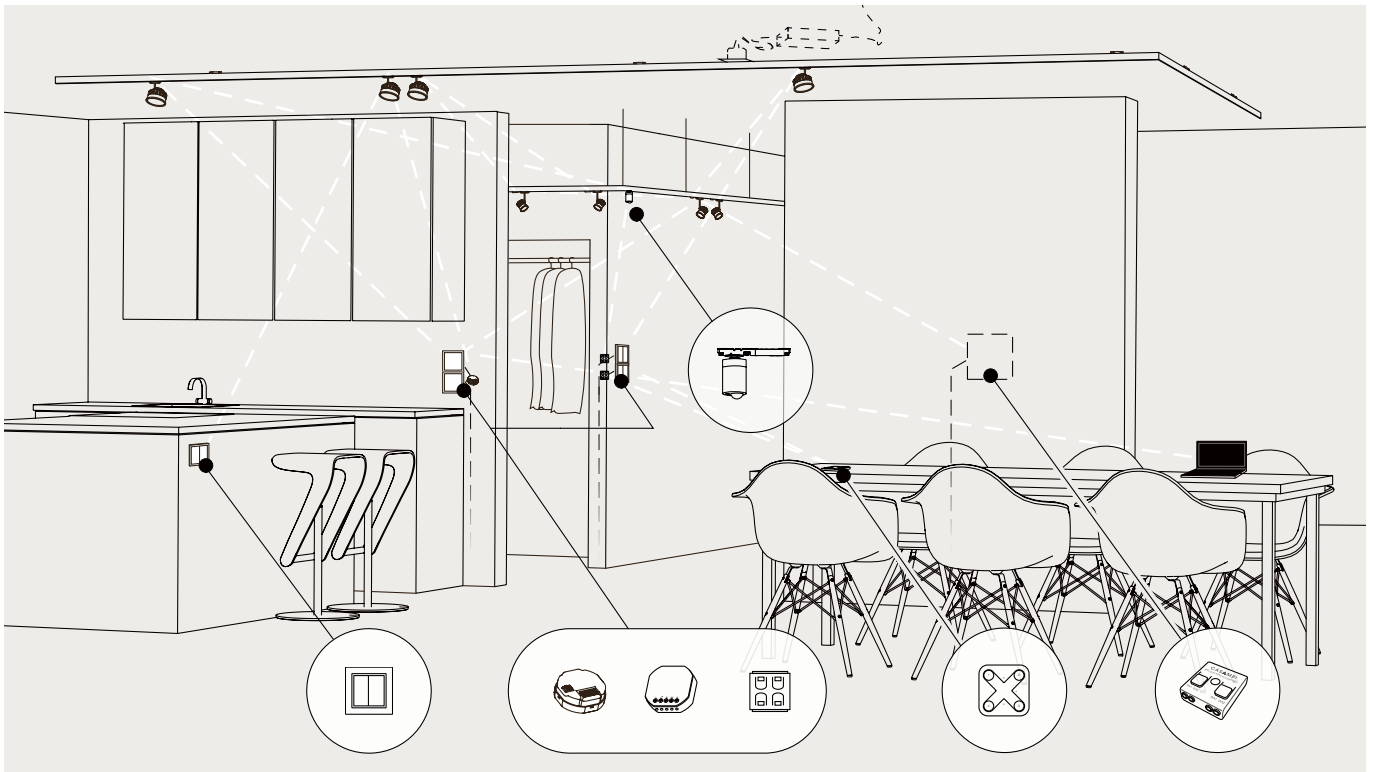
	article no.	€ Euro
	93500	62,00
	93537	
	93538	





  
 Design: buschfeld Design





**Casambi Xpress wireless wall switch**

controlled via Casambi

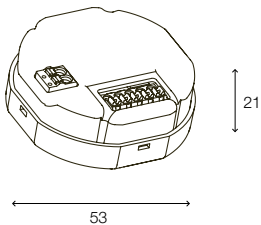
- wall bracket for fixed mounting
- Xpress control panel can be attached via magnet
- 2 push button dimming switches,
- 2 multifunctional buttons (configurable)
- wireless standard 2.4 GHz
- coverage to first mesh-enabled spotlight: 10 m indoor, 50 m outdoors
- battery-operated using a CR2430 battery (2 - 5 years battery service life)
- LWH 90 x 90 x 12 mm

article no.                      € Euro

- 97908 w                      251,00
- 97908 b

**CASAMBI**

For up-to-date information, visit [www.casambi.com](http://www.casambi.com)



**SC-Ti-CAS push-button module, for flush-mounting behind a conventional push-button wall switch**

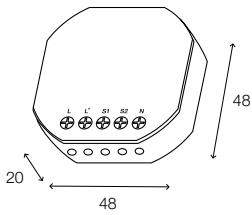
controlled via Casambi

- for mounting behind a conventional switch
- up to 4 potential-free switches connectable
- coverage to first mesh-enabled spotlight: 10 m indoors, 100 m outdoors
- controlled via Casambi
- The device is automatically identified by the Casambi app and can be integrated into a preexisting network. The switching can be configured via the Casambi app.
- Operated on mains supply, the device can be built into a flush-mounted socket.
- Ø 53 x H 21 mm

article no.                      € Euro

- 97918                      200,00

**CASAMBI**



**CASAMBI**

**Casambi switching relay**

controlled via Casambi

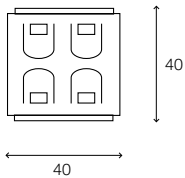
offers 2 functions:

1. The relay can meet the requirements of the Ecodesign Directive. It switches the operating device completely voltage-free in order to reduce the standby power loss in the sense of the ERP directive EU 2019/2020. Due to its high load, it is suitable - independently of our Sense system - for e.g. switching non-dimmable electrical devices on and off, suitable for loads up to 3000 VA - 13 A; a physical connection to the operating device is required

2. Combined with a conventional push-button, the Casambi unit also offers the option of connecting 1 or 2 freely configurable push-buttons that can be used freely in the Casambi interface for luminaire / group / scene / relay etc.

- can be combined with all commercially available push-buttons (spring-back)
- LWH 48 x 48 x 20 mm

article no.	€ Euro
97919	156,00



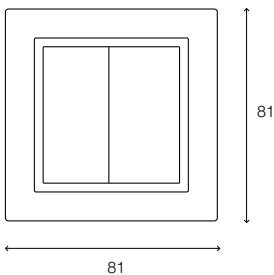
**CASAMBI**

**transmitter module PTM 215B for installation in wireless switches**

controlled via Casambi

- for installation in EnOcean switch mounting kits for a variety of switch manufacturers
- 4 assignable switches
- device configuration via NFC (ISO 14443) wireless standard 2.4 GHz, AES128 (CBC) authentication
- initial installation only possible with NFC-enabled end devices (for iPhones: the centre of the button must be positioned at the very top of the iPhone because the NFC interface is located there)
- coverage to first mesh-enabled spotlight: 10 m indoor, 100 m outdoors
- battery-free thanks to Kinetic Energy Harvesting
- is applied in mounting kits that are not supplied with a wireless module: e.g. Gira mounting kit, EnOcean wireless wall-mounted transmitter 2-channel, System 55, Gira 8232 -03, -26, -27 and -28 or as an with an integrated module from the PTM 21x range
- LWH 40 x 40 x 11.2 mm

article no.	€ Euro
97914	74,00



**CASAMBI**

**double rocker wall switch Easyfit, white wireless standard**

controlled via Casambi

- can be screwed or glue-mounted onto walls
- 4 assignable switches
- device configuration via NFC (ISO 14443) BLE standard 2.4 GHz, AES128 (CBC) authentication
- initial installation only possible with NFC-enabled end devices (for iPhones: the centre of the button must be positioned at the very top of the iPhone because the NFC interface is located there).
- coverage to first mesh-enabled spotlight: 10 m indoor, 100 m outdoors
- battery-free thanks to Kinetic Energy Harvesting
- can be integrated in the cover frame of various switch ranges. Please contact us for information on the switch ranges available.
- LWH 81 x 81 x 14 mm

article no.	€ Euro
97912	169,00



# Individual

# individualised lighting design

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.

## Support and assistance

Buschfeld lighting 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:

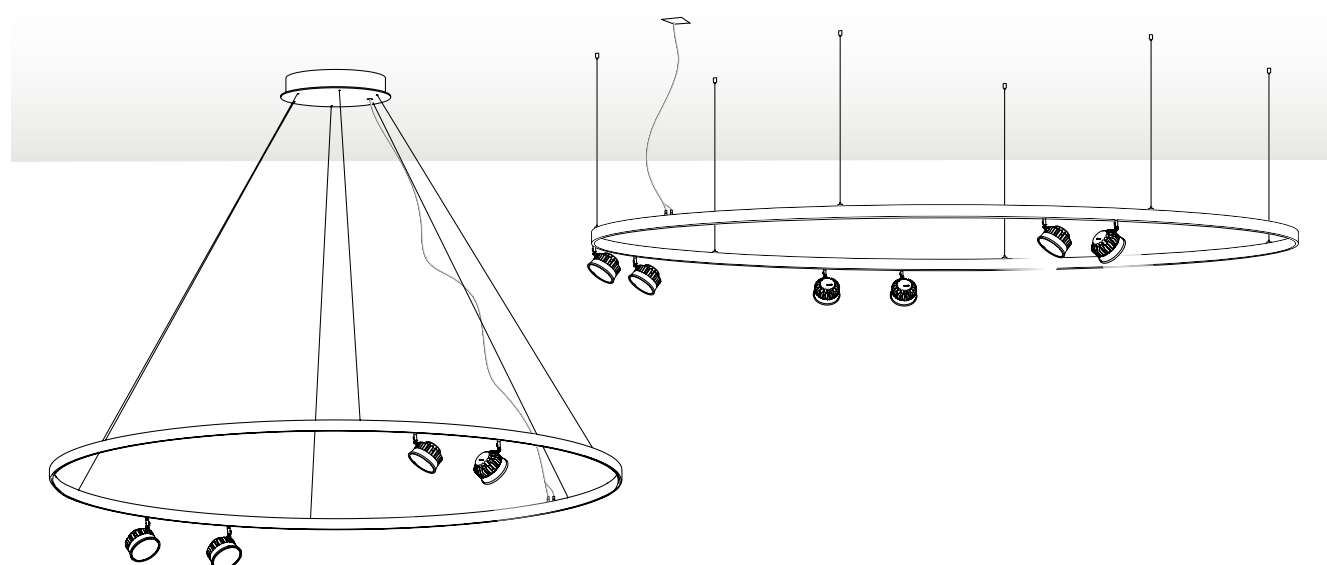
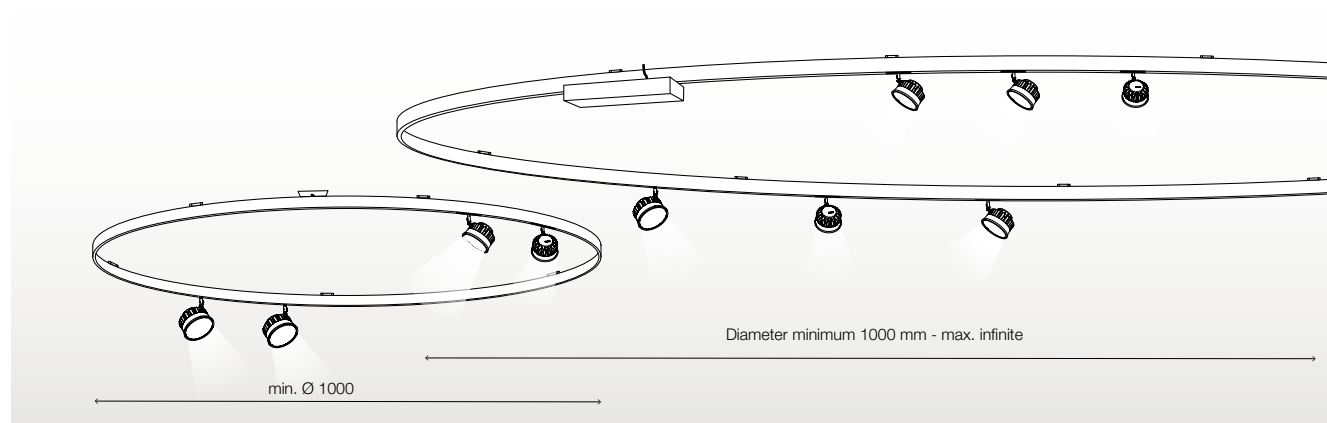
Tel.: +49 221 93764-0    [info@buschfeld.de](mailto:info@buschfeld.de)



# rondo48 - ring-shaped luminaire

You want to design your own chandelier. Rondo48 is exactly the right modular low-voltage ring-shaped system you are looking for. Rondo48 is custom-made to suit your project, and based on our Pend and Ceiling track 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 mounting module, if desired. Rondo48 is designed to take any of the luminaires in the Pend48 or Ceiling48 range.

The Led Line uplighter module can also be applied.



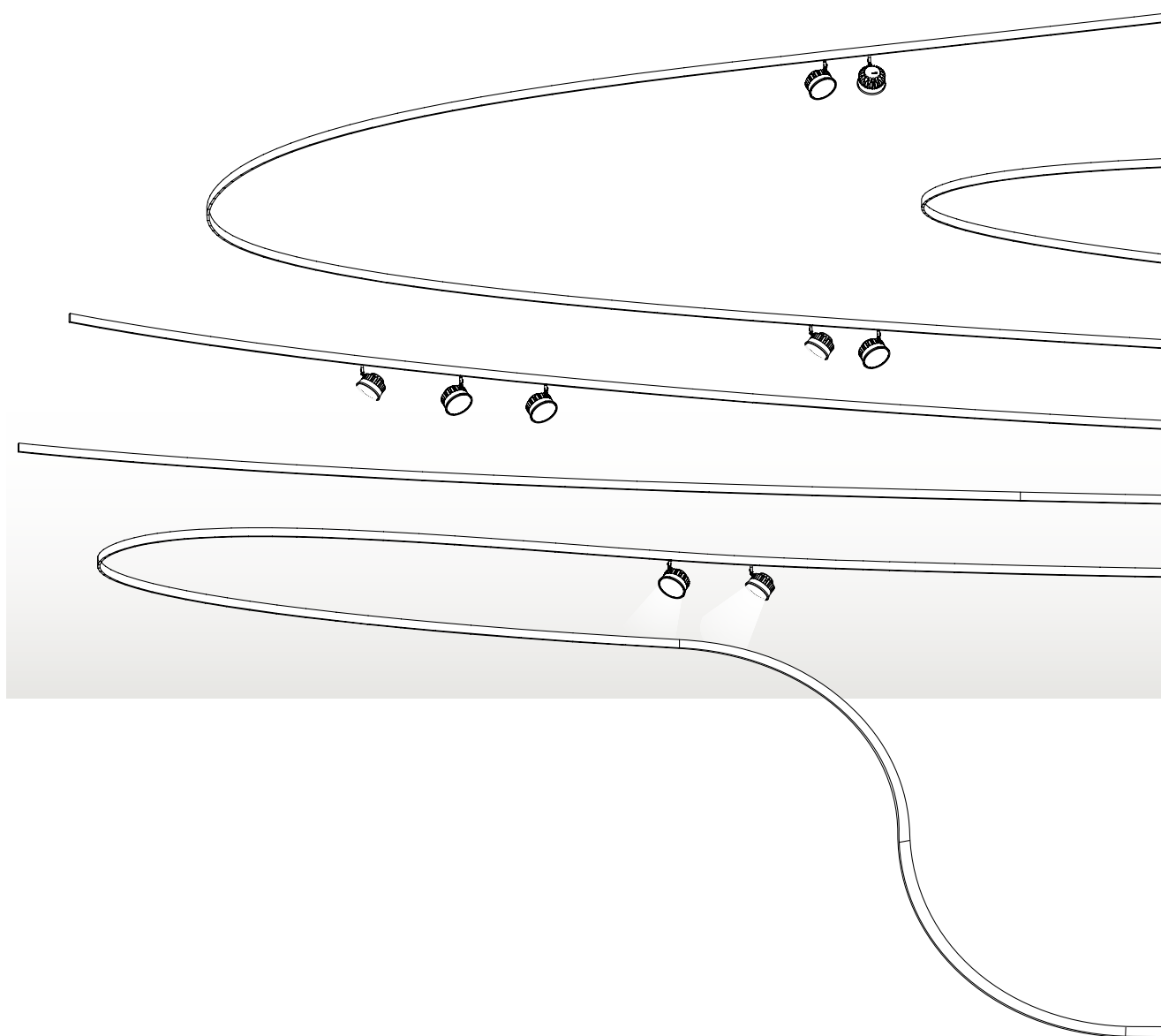
Rondo for Ceiling48 or Pend48  
with concealed control gear and in design housing.

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

# freeform48 - custom shapes

It could not be easier to adapt a lighting 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. 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 system is designed to take any of the luminaires from the Pend48 or Ceiling48 range.

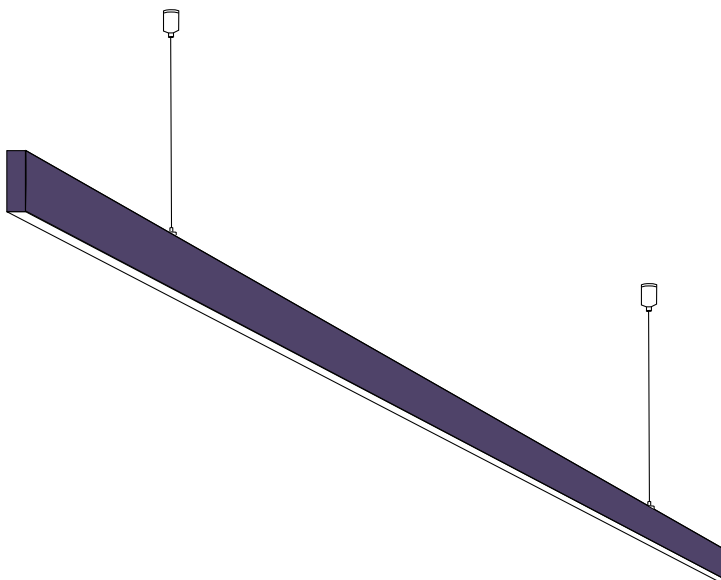


# colour - custom colours

All Sense System 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 Sense System in bold colours you can focus attention on the lighting concept - whereas subtle colours render the track practically invisible.

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



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





**top left:** Wall tracks and shades are subtly and perfectly tailored to the room ambiance.

**top right:** Individual shades or sections of tracks can be accentuated.

**left:** Custom colour collections can also be assembled upon request.

# Sense System project document

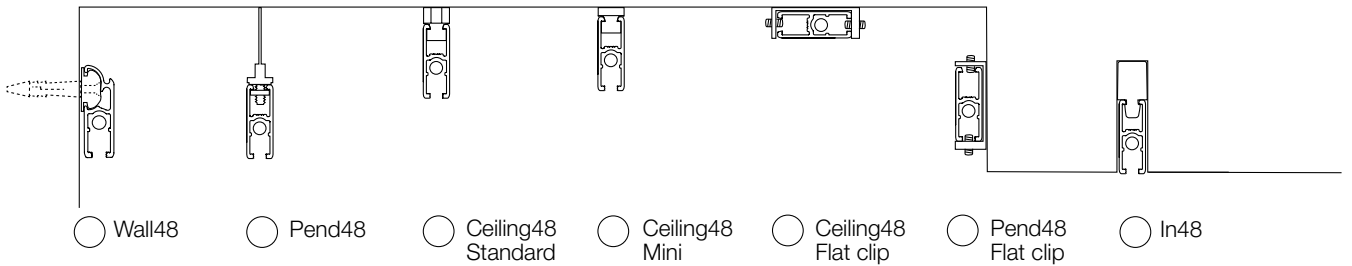
buschfeld Tel +49 221 93764-0 Fax -79 info@buschfeld.de www.buschfeld.de

## contact

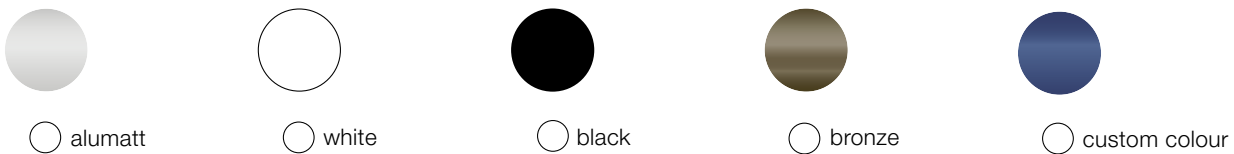
company: \_\_\_\_\_  
 country: \_\_\_\_\_  
 contact person: \_\_\_\_\_

project name: \_\_\_\_\_  
 details (e.g. floor level): \_\_\_\_\_  
 e-mail / tel. no: \_\_\_\_\_

## system



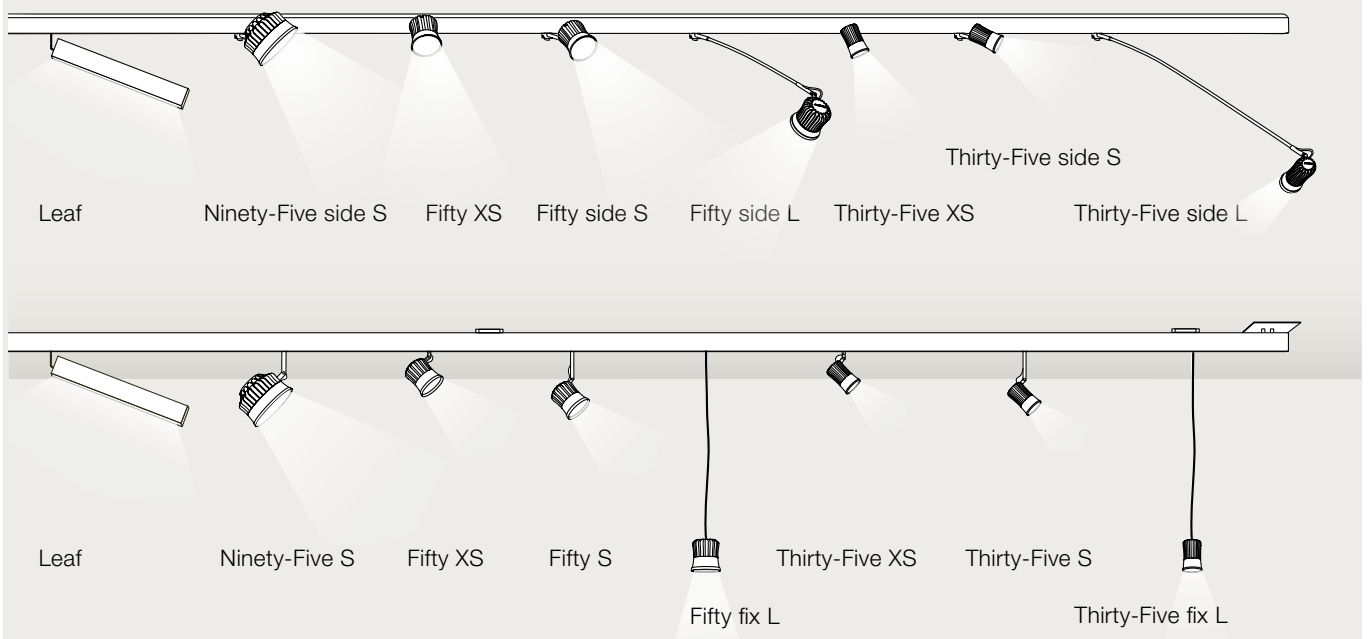
## colour



## control gear and position of power feed

- for visible mounting in a design housing on track (incl. adapter power feed)
- for concealed mounting - please indicate or sketch in the position of the required feed points.

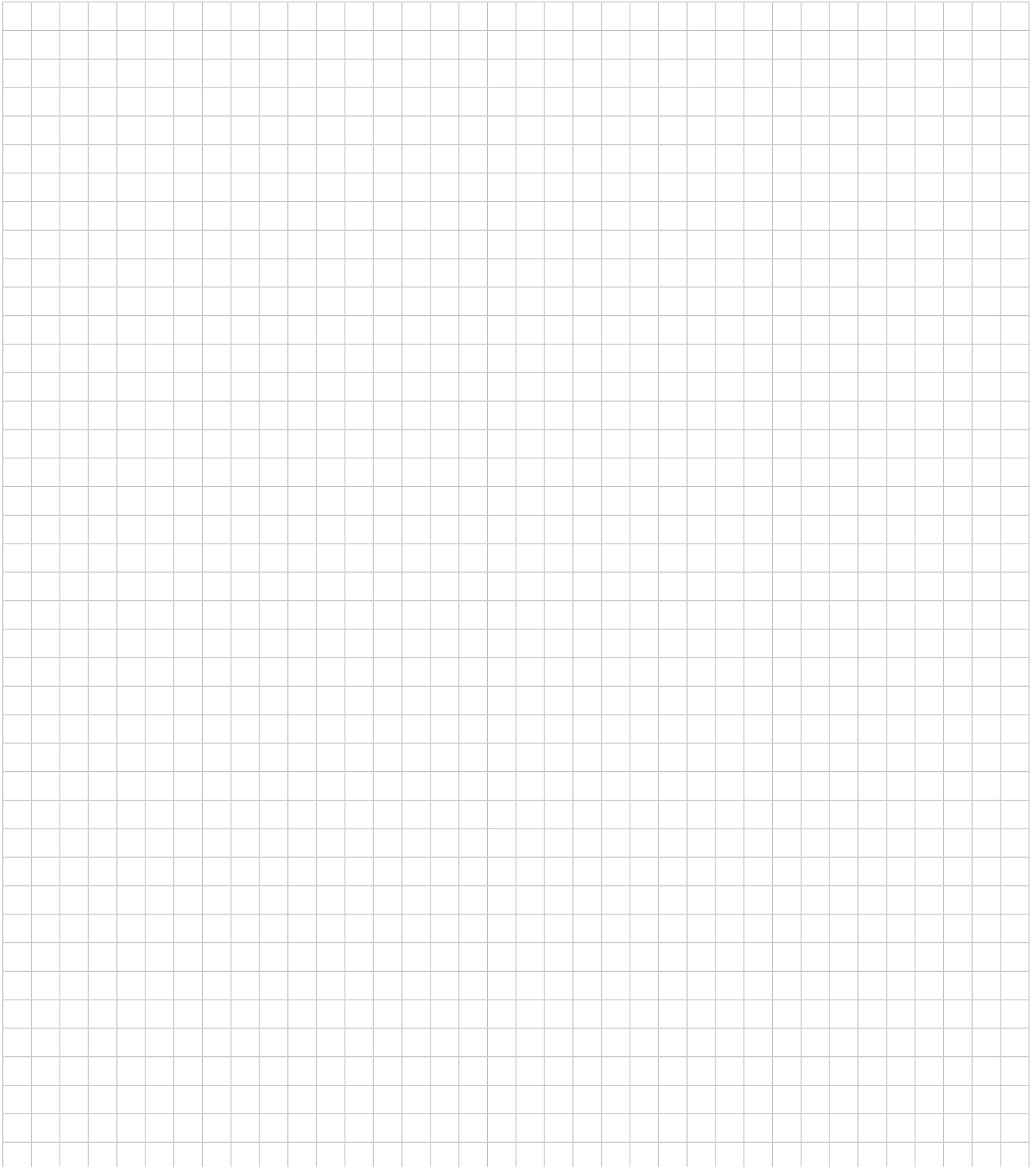
## luminaires



# luminaires

quantity	name of luminaire	power	colour temperature	beam angle	shade	Soraa Snap Filter
pcs		W	K	°	yes / no	
pcs		W	K	°	yes / no	
pcs		W	K	°	yes / no	

## 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 April, 2025.

## I. General Information

1. The following General Terms and Conditions (hereinafter referred to as „GTC“) apply exclusively. Other conditions only become part of the contract if the manufacturer has expressly agreed to their applicability in writing. In the case of ongoing business relationships, these GTC – in the version valid at the time of the contract conclusion – form the basis for all future transactions as well.

2. All agreements between the contracting parties must be recorded in writing. Orders are only considered valid after written confirmation. This also applies to orders mediated by representatives or sales employees. Divergent confirmations are considered new offers. Supplements, changes, and side agreements to already placed orders, as well as any assurances, only become effective with the written confirmation by the manufacturer.

## II. Offers and the Documents Inherent to Offers

1. Offers are always subject to change, unless otherwise agreed.

2. The documents belonging to an offer, such as illustrations, drawings, weight and size specifications, are only approximately binding, unless they are expressly stated as binding. Technical descriptions, explanations of a technical nature, as well as technical specifications and functional descriptions do not constitute a warranty of quality. Characteristics are only considered guaranteed if they have been explicitly confirmed in writing by the manufacturer.

3. Deviations from descriptions and information in brochures, catalogs, and written documents, as well as changes due to technical progress, remain reserved, without giving rise to any claims against the manufacturer.

4. The offer and all related documents may not be disclosed, published, or reproduced without the manufacturer's approval, nor may they be used for any purpose other than the agreed-upon one.

5. Upon request, all offer documents must be returned to the manufacturer.

## 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 make reasonable partial deliveries and to invoice such partial deliveries.

3. Samples will only be provided upon explicit agreement and solely against payment.

## IV. Prices

1. Unless otherwise stated in the manufacturer's order confirmation, the prices are based on delivery from the Cologne warehouse, plus shipping and packaging.

2. These prices are based on the production costs at the time of the conclusion of the contract. In the case of ongoing obligations, the manufacturer is entitled to request negotiations for a price adjustment if the following factors change: material prices, labor or ancillary labor costs due to legal or tariff changes, or VAT. If no agreement is reached during these negotiations regarding the price change, either party may terminate the contract in writing with three months' notice at the end of a quarter.

## 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, assemblies, custom orders, tools, development costs, and models are payable immediately without any deductions. We reserve the right to request advance payment for special constructions and special projects. First deliveries will only be made against advance payment.

3. In case of exceeding the due date, interest will be charged at an annual rate of 9%, or 5% for consumers, above the base rate of the Deutsche Bundesbank. The manufacturer's right to claim a higher amount of damages remains unaffected by this.

4. Payments are made exclusively by bank transfer, direct debit, or other common electronic payment methods.

5. The Purchasing Party may only exercise the right to offset costs if there are legally recognized reasons for counterclaims or if these are undisputed. The right to refuse performance may only be asserted if the counterclaims are justified and arise from the same contractual relationship.

## VI. Delivery Times

1. The delivery times quoted by the Manufacturer are non-binding and subject to the clarification of all technical issues, unless otherwise agreed in writing. An agreed delivery time commences once the order confirmation has been sent, but not before the Purchasing Party has fulfilled all obligations, particularly the payment of any 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 reasonably extended in the event of unforeseen circumstances, regardless of whether they occur at the Manufacturer's premises or at one of his suppliers, such as unforeseen disruptions in operations, legally recognized strikes, lock-outs, delays in self-supply despite proper and timely ordering, or any other events outside the Manufacturer's control. The Manufacturer is, however, obligated to inform the Purchasing Party in writing of the commencement and conclusion of such events as soon as possible.

4. Should the Manufacturer fail to meet the delivery deadline and the Purchasing Party can demonstrate that this has caused damage, the Manufacturer

is liable to pay a fixed delay compensation. This compensation amounts to 0.5% for each completed week of delay, but is limited to a maximum of 15% of the value of the part of the total delivery that could not be used in time due to the delay. The same applies if the delay results in a loss of interest or if the delay causes a commercial fixed transaction as per § 376 of the German Commercial Code (HGB) to be impossible. In any case, the liability for damages is limited to the foreseeable and typically occurring damage. The Purchasing Party is entitled to further claims only in cases of intentional or grossly negligent delays on the part of the Manufacturer.

5. Should the Purchasing Party set the Manufacturer an equitable period of grace after the latter has failed to deliver on time, with a threat of refusal to accept delivery, the Purchasing Party is entitled to withdraw from the contract if the grace period expires for reasons attributable to the Manufacturer. The Purchasing Party is only entitled to claim damages for non-performance within the scope of the foreseeable, typical damages that may occur, unless the cause of the damage is due to wilful intent or gross negligence on the part of the Manufacturer.

## VII. Custom Orders and Exclusion of the Right of Withdrawal

### 1. General Regulation for Custom Orders

Custom orders, which are manufactured according to the specifications of the Purchasing Party, are generally excluded from the right of withdrawal, exchange, and return. The Purchasing Party confirms with their order that they are aware of the custom nature of the product and that it deviates from the general return and exchange policies.

### 2. Definition of Custom Orders

Custom orders refer to products that are manufactured or modified according to individual customer requirements, such as special sizes, shapes, surfaces, or other specifications provided by the buyer.

### 3. Legal Basis for Exclusion

The exclusion of the right of withdrawal is based on the provisions of Section 312g, Paragraph 2, No. 1 of the German Civil Code (BGB), according to which the right of withdrawal does not apply to contracts for the delivery of goods that are not pre-manufactured and for which the Purchasing Party has made individual selections or specifications, or which are clearly tailored to the Purchasing Party's personal needs.

### 4. Order and Production Process

The customer shall receive an order confirmation with all relevant specifications before the start of production. The customer is obliged to check these. Changes after order confirmation are only possible to a limited extent and may be subject to an additional charge.

### 5. Right of Withdrawal and Return for Custom Orders

The right to withdraw from the contract for custom orders is generally excluded, unless the goods have defects for which the Manufacturer is responsible. Regardless of the exclusion of the right of withdrawal, statutory warranty claims for defects in the delivered goods remain unaffected.

### 6. Liability Exclusion for Customer Specifications

The Manufacturer accepts no liability for errors arising from unclear, incorrect, or incomplete customer specifications. The customer is responsible for ensuring the accuracy of the information provided, particularly with regard to measurements, designs, and other individual specifications. The customer is explicitly informed that there is no right of withdrawal, and neither exchanges nor returns are permitted.

## VIII. Transfer of risk – Acceptance of Delivery

1. The services provided by the Manufacturer are to be accepted upon completion, including in the case of deliverable partial performances.

2. Upon acceptance, the risk transfers to the Purchasing Party. If the Purchasing Party defaults on acceptance, the risk transfers at the time the default occurs. The same applies if the provision of services is interrupted for reasons attributable to the Purchasing Party, and the Manufacturer has, by mutual agreement, handed over the services provided up until that point to the Purchasing Party's custody.

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. If the Purchaser falls into default of acceptance or fails to fulfill his cooperation obligations, he shall bear the costs arising from storage, amounting to 0.5% of the invoice amount per month, starting two weeks after notification of readiness for shipment, unless he can prove to the Manufacturer that no damage or only a significantly lower amount of damage has occurred. Further claims, particularly under §§ 373 et seq. of the German Commercial Code (HGB) in the case of a bilateral commercial transaction, remain unaffected. The Manufacturer is also entitled to dispose of the goods otherwise or to carry out an emergency or self-help sale after setting a reasonable grace period and its unsuccessful expiration.

## IX. Reservation of Property Rights

1. All items to be delivered remain the property of the Manufacturer until the settlement of the claims owed to the Manufacturer under the contract.

2. Subject to the provisions in section 4, for the duration of the retention of title, the Purchasing Party is not entitled to sell, give away, pledge, or transfer the delivered goods as collateral.

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 of the German 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 of the German Code of Civil Procedure, the Purchasing Party shall be liable for the resulting damages.

4. If the delivery is for the purpose of resale in a business operated by the Purchasing Party, the Purchasing Party agrees to retain title to the goods when reselling to its customers. The Purchasing Party hereby assigns the rights and claims arising from this retention of title to the Manufacturer, who accepts them, regardless of whether the goods have been resold with or without subsequent processing.

5. In the case of delayed payment of the Purchasing Party, the Manufacturer is entitled to take back all delivered items. The return of the goods does not constitute a withdrawal from the contract, unless explicitly stated in writing. After the return of the purchased items, the Manufacturer is entitled to their disposal, and the proceeds from the disposal shall be credited against the liabilities of the Purchasing Party, less reasonable disposal costs.

6. The Purchasing Party is obligated to take care when handling the purchased items. In particular, he/she is obligated to insure them adequately at replacement value against damage from fire, water, and theft. Should maintenance and inspection work be necessary, the Purchasing Party is required to have this performed at their own expense and in a timely manner.

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, including VAT) to the other item(s) that have been processed at the point in time when processing is undertaken. The same applies to 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 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, including 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 the Manufacturer's claims against them arising from the combination of the purchased goods with real estate against a third party.

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

#### X. 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. Any claims against the Manufacturer, regardless of the legal basis, shall expire after six months, unless Section 11 provides otherwise.

9. The Manufacturer is not liable for material defects in goods he receives from third parties and forwards unchanged to the Purchasing Party. He is entitled to withdraw from the contract if, despite having previously concluded a corresponding purchasing agreement, he does not receive the goods. Liability for intentional acts or gross negligence remains unaffected. The Manufacturer shall promptly inform the Purchasing Party about the non-availability of the goods; any consideration received will be refunded without delay.

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.

#### XI. Rights of Use, Rights of Third Parties

1. By placing an order, the Purchasing Party guarantees that they, or their client (if the Purchasing Party is the contractor), hold the rights to use any image files and materials, particularly photographs, provided to the Manufacturer for processing. The Purchasing Party is responsible for ensuring that the Manufacturer's processing of the provided image files and materials complies with applicable laws, including copyright and trademark laws, 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. Refusal of Orders

The Manufacturer reserves the right to refuse orders that contradict applicable laws or accepted moral standards, even after they have been placed, on a case-by-case basis.

#### 4. Copyright and Prohibition of Exploitation

The content and images on the Manufacturer's website are protected by German copyright law. Any reproduction, modification, distribution, or other forms of use require the prior written consent of the Manufacturer. Downloads and copies of the website's content are prohibited. This specifically applies to all photos on the Manufacturer's website. The Manufacturer has made every effort to respect third-party rights in the creation of the website. However, if any infringements come to light, such content will be promptly removed from the Manufacturer's website.

#### XII. 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. Where the Manufacturer's liability is excluded or limited as outlined above, this also applies to any claims made by the Purchasing Party against our employees, staff, agents, assistants, or representatives.

#### XIII. Place of Jurisdiction

##### 1. Place of Fulfilment

The place of fulfilment for all obligations arising from the contractual relationship is the Manufacturer's business location. Should a different place of fulfilment be agreed upon, the Purchasing Party shall bear any associated costs.

##### 2. Governing Law

The relationship between the contracting parties is governed exclusively by the applicable law of the Federal Republic of Germany. The application of the United Nations Convention on Contracts for the International Sale of Goods (CISG) and the laws concerning the conclusion of international sales contracts for movable goods are excluded.

#### XIV. 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.

#### XV. 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.

#### Photos:

Kellermann, Gerhardt	114
Meyer, Constantin	43, 45, 45→, 96
Steinraths, Silke	53
Tewes, Michael	98, 137↖
Wiedemuth, Lennart	46-47, 48, 62
Buschfeld Design GmbH	12-13, 18-19, 28-29, 36-37, 45↖, 45↓, 78, 103, 133, 137↖, 137↘

**buschfeld**

Tel. +49 221 93764-0 Fax -79

info@buschfeld.de

buschfeld Design GmbH

Dillenburger Str. 97 D-51105 Köln

www.buschfeld.de

**b**