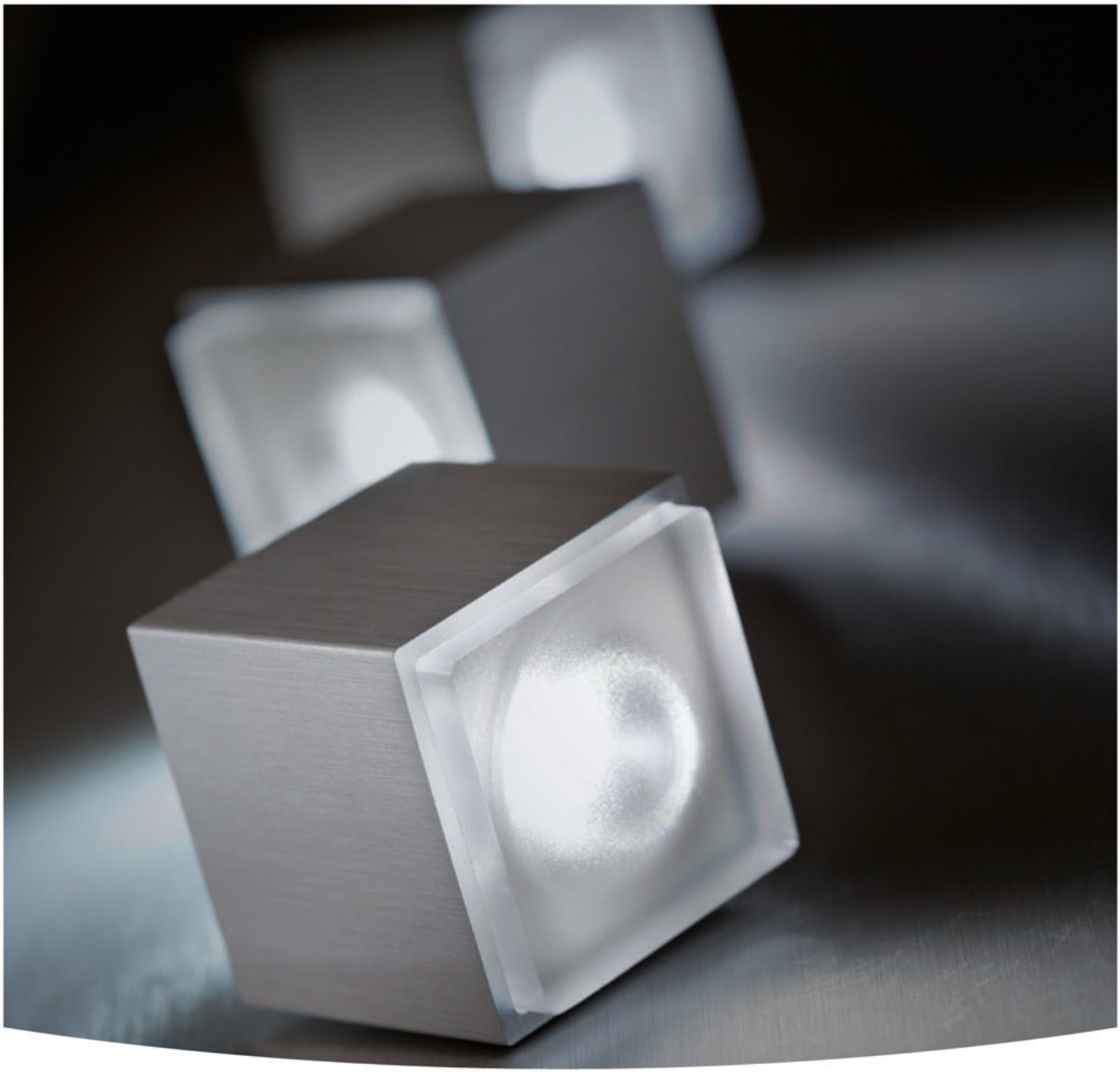
AMBIENTECH

PRODUCT CATALOGUE | SRP

VERSION: 01.02.2011



inakustik

KABEL | LAUTSPRECHER | MUSIK

CONTENTS:

AMBIENTRACK – THE SYSTEM

- Wall pillar 4-5
- Corner pillar 6-7
- Skirting board duct 8-9
- Flat wall pillar 10-11
- Covers 12-14
- Multimedia terminals 15
- Tool box 16-17
- Skirting board 18-20
- Device support 22-23
- Wall pillar, compact | TV cable duct 24-25
- TV wall bracket 26-27
- Accessories 28-29

AMBIENART – THE SYSTEM

- LED strip RGB 31-33
- LED cube 36-37
- LED wall spotlight 38
- LED floor spotlight 39
- Pendant lights 40
- Overview of lighting components 41
- RGB controller 42-43
- 24 volt DC network adapter 44 **NEW!**
- LED Downlights 45 **NEW!**

AMBIENTONE

- AmbienTone No. 4; No.1 46-47
- AmbienTone No. 6 47 **NEW!**
- AmbienTone No. 2 48-49
- AmbienTone No. 3 50-51
- AmbienTone Q1 52-53
- AmbienTone R1 54-55
- AmbienTone Sub No. 2 56-57 **NEW!**

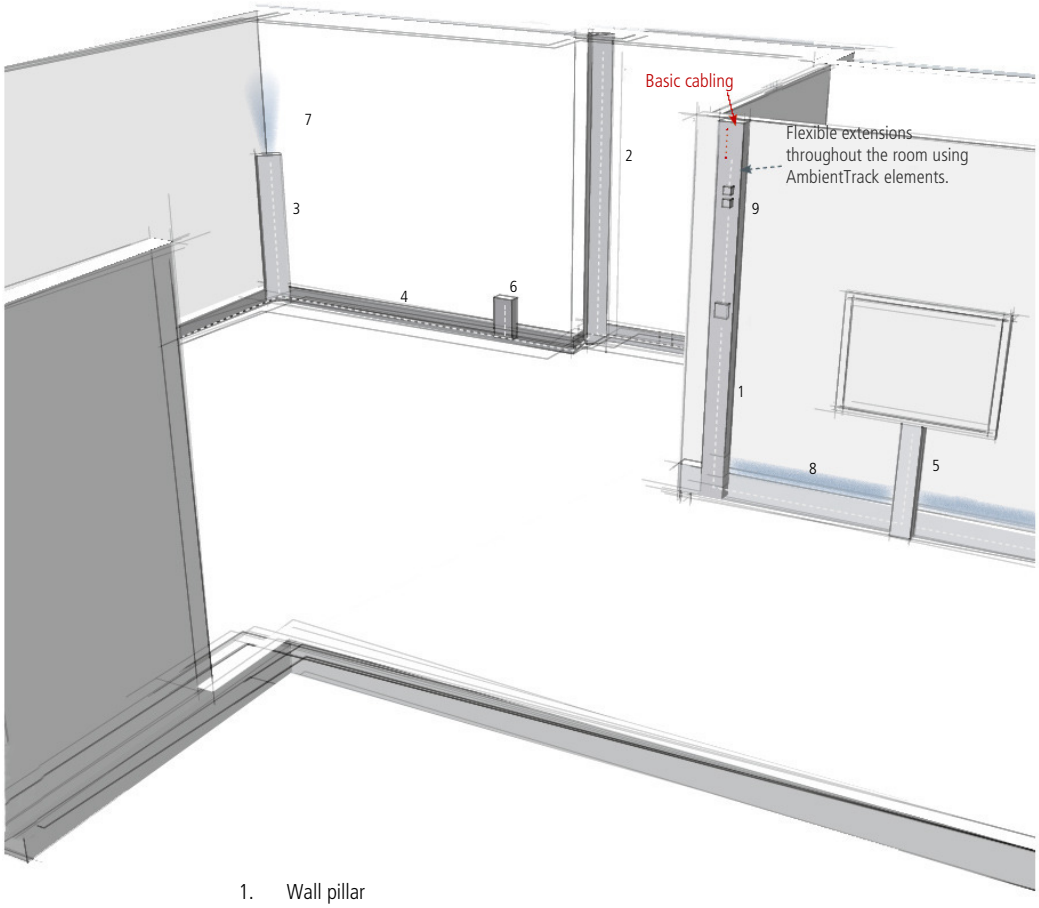
AMBIENTRACK & AMBIENART TECHNOLOGY

- AmbienTrack installation concept 58-60
- Wall pillar configuration plan 61-65
- Intelligent building technology 66-67
- Plug&Play Installation 68
- Cost calculation | Efficiency 69
- Installation options | Ideas 70-73
- Light planning 74
- AmbienArt circuit design 75-78
- Overview of components 79

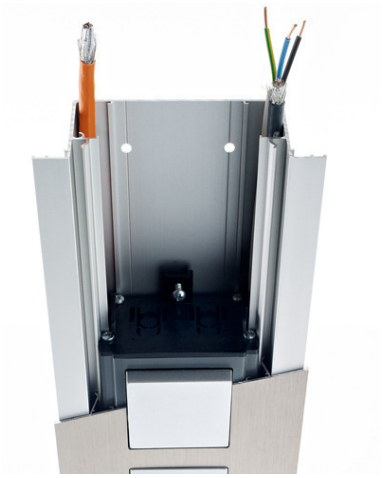
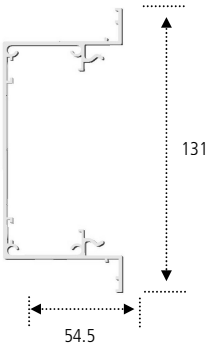
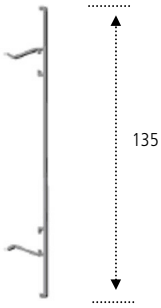
NOTE: Prices include VAT.

AMBIENTRACK – THE SYSTEM

AmbienTrack consists of a variety of ducts made of aluminium, which can be installed on, or flush with, the walls. The ducts are given the task of running cables out of sight both horizontally and vertically in a room, and yet enabling access to the installation at any time. In addition, a number of the AmbienTrack ducts allow you to integrate all sorts of installation components variably, such as sockets, switches, operating controls, sensors, power supply units, distributor boxes and control electronics. The exceptional geometry with the shadow gap produces a free-floating effect and so reduces the impression of the duct's size. Further design features include high-quality materials and surfaces, as well as the installation of switches and sockets without the need for frames. As a further option, AmbienTrack can be upgraded into a light installation system for the entire room using LED components.

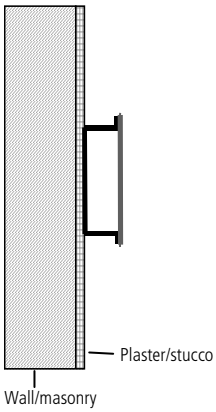


1. Wall pillar
2. Corner pillar
3. Corner pillar, half-height
4. Skirting board or skirting board duct
5. Wall pillar, flat, or wall pillar, compact
6. Device support
7. Ceiling spot
8. LED light line
9. LED cube

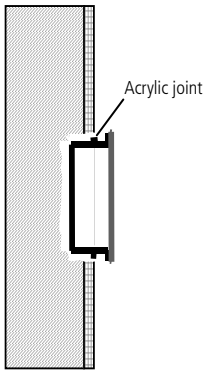
Product images		
Brief description	The AmbienTrack wall pillar is made of aluminium and can be installed at half room height or at full room height. The wall pillar is used for guiding cables and for fitting installation components. The fixed installation of main circuits into the rooms ends in the wall pillar. The transition from a classic installation to flexible cabling is therefore effected in the wall pillar. It can be installed both surface-mounted and flush-mounted in the walls It consists of a baseboard and cover panels with a width of 135 mm and various perforations. The surface is available in two finishes: natural aluminium and stainless steel look. The wall pillar includes the option of backlighting the shadow gap using the Ambien Tack LED strips, as well as installing the AmbienTrack LED spotlights or placing the rotating LED cube on top.	
Purchase order items	• Baseboard	• Cover
Product diagram		
Standard profile lengths	• 1,800 mm • 900 mm	• 500 mm • 900 mm • 2,500 mm
Material/Colours/Surfaces	• Anodised natural aluminium E6EV1	• Anodised natural aluminium E6EV1 • Aluminium with stainless steel finish
Highlights	• Baseboard with side cutout for skirting boards • Baseboard 1,800 features rear recesses for direct installation over in-wall sockets • Installation of AmbienTone No. 3	• Cover with various perforations
Possible applications	• Pillar, room-height • Pillar, half room height (with end section) • Wall cable duct (side rail duct)	

Installation options

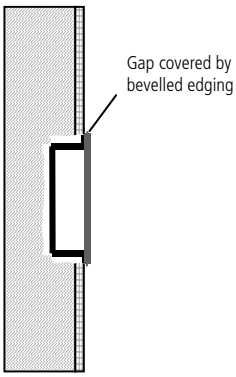
Surface-mounted



Recessed



In-wall



Installation instructions

- 2 rows of drill holes (5 mm) on the rear of the profile
  Row interval: 50 mm, hole interval: 400 mm
- Surface-mounted installation using screws (wall plugs as per wall composition)
- In-wall installation using screws or bonding foam

Accessories

- Coupling pin (included in delivery)

- Earthing set (included in delivery)

- Light modules (LED strips, LED cubes)
- Tool box
- AmbienTone No. 3

- End section (incl. installation bracket)

Product benefits

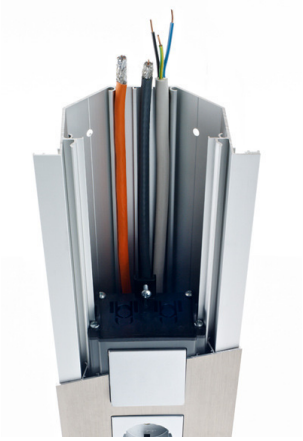
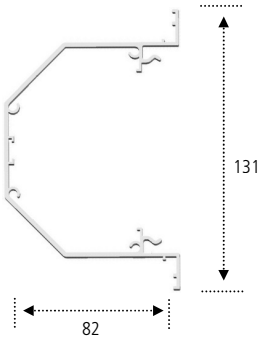
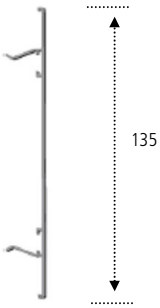
- Designer cable duct!
- No need for earthing when using the tool box
  Option of flush-mounted in-wall installation
  (gap covered by side profile edging)
- Surface-mounted shadow gap creates a free-floating impression
- No fingerprints on the surfaces
- Screwless clip cover assembly
- Complete camouflaging of the baseboard by the cover (no longitudinal joints)
- Option of indirect LED lighting (light lines)

Overview of items

WALL PILLAR			
Item-no.	Designation	Unit	SRP
0011002	A-Track wall pillar high; alu optic; 900mm	1 pc	58,00
0011004	A-Track wall pillar high; alu optic; 1.800mm	1 pc	105,00
0011003	A-Track wall pillar high; alu optic; with cutout; 900mm	1 pc	76,00
0011005	A-Track wall pillar high; alu optic; with cutout; 1.800mm	1 pc	120,00
Accessories			
0011009	A-Track wall pillar high; alu optic; end cap (old)	1 pc	27,50
0011012	A-Track wall pillar high; stainless steel optic; end cap	1 pc	29,50

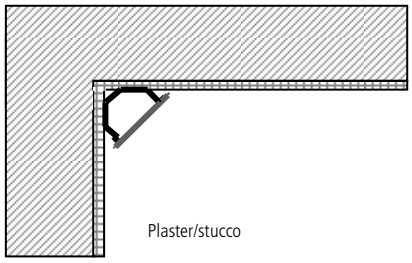
See extra page for covers, tool box and light modules

AMBIENTRACK CORNER PILLAR

Product images		
Brief description	The corner pillar is also fully made of aluminium and can be installed at half-height or room height in corner spaces. It boasts the same installation options as the wall pillar, and is also well suited for vertical installation over several floors. The same cover panels are used as for the wall pillar. The corner pillar provides the option of backlighting the shadow gap using the Ambien Tack LED strips, as well as installing the AmbienTrack LED spotlights or placing the rotating LED cube on top.	
Purchase order items	• Baseboard	• Cover
Product diagram		
Profile lengths	• 1,800 mm • 900 mm	• 500 mm • 900 mm • 2,500 mm
Material/Colours/Surfaces	• Anodised natural aluminium E6EV1	• Anodised natural aluminium E6EV1 • Aluminium with stainless steel finish
Highlights	• Baseboard with side cutout for skirting boards • Installation of AmbienTone No. 3	• Cover with various perforations (see extra page)
Applications	• Pillar, room-height • Pillar, half room height (with end section)	

Installation options (sketch)

Surface-mounted:



Installation instructions

2 rows of drill holes (5 mm) on the rear of the profile (wall system surfaces); hole interval: 400 mm
Surface-mounted installation using screws (wall plugs as per wall composition)

Accessories

- Coupling pin (included in delivery)

- Earthing set (included in delivery)

- Light modules (LED strips, LED cubes)
- Tool box
- AmbienTone No. 3

- End section (incl. installation bracket)

Product benefits

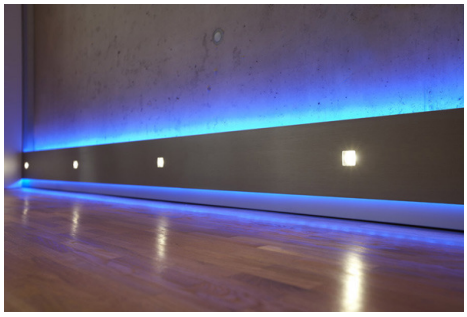
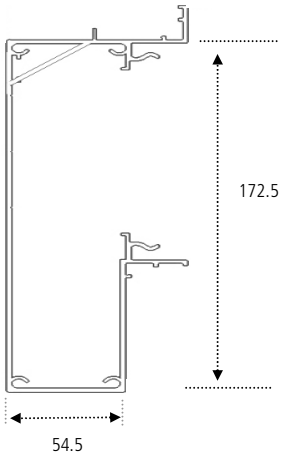
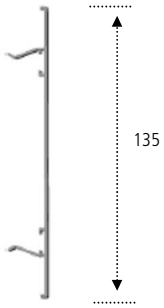
- Designer cable duct!
- No need for earthing when using the tool box
- Special geometry for installation in the corner of a room
- Surface-mounted shadow gap creates a free-floating impression
- No fingerprints on the surfaces
- Screwless clip cover assembly
- Complete camouflaging of the baseboard by the cover (no longitudinal joints)
- Option of indirect LED lighting (light lines)

Overview of items

CORNER PILLAR			
Item-no.	Designation	Unit	SRP
0011201	A-Track corner pillar; alu optic; 900mm	1 pc	74,00
0011203	A-Track corner pillar; alu optic; 1.800mm	1 pc	123,00
0011202	A-Track corner pillar; alu optic; with cutout; 900mm	1 pc	80,00
0011204	A-Track corner pillar; alu optic; with cutout; 1.800mm	1 pc	128,00
Accessories			
0011205	A-Track corner pillar; alu optic; end cap	1 pc	29,50
0011206	A-Track corner pillar; stainless steel optic; end cap	1 pc	32,00

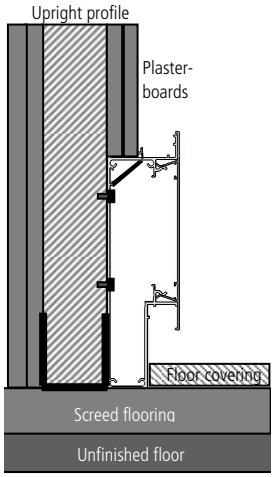
See extra page for covers, tool box and light modules

AMBIENTRACK SKIRTING BOARD DUCT

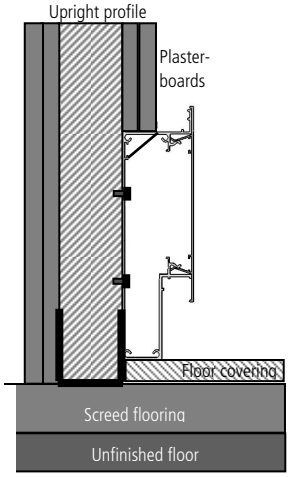
Product images		
Brief description	The AmbienTrack skirting board duct is installed on the floor and is a horizontal guide for cables, as well as a fitting for installation components near floor level. Combined with drywall construction, it is possible to partially integrate the skirting board duct into the wall. The baseboard is made of aluminium, and the same covers – available in natural aluminium and stainless steel finish – can be used as for the wall pillar. The special geometry of the skirting board duct yields two shadow gaps which can be backlit with the AmbienTrack LED strips. Furthermore, the AmbienTrack LED spotlights can be installed, or the rotating LED cube placed on top.	
Purchase order items	• Baseboard	• Cover
Product diagram		
Profile lengths	• 625 mm • 1,875 mm	• 500 mm • 900 mm • 2,500 mm
Material/Colours/Surfaces	• Anodised natural aluminium E6EV1	• Anodised natural aluminium E6EV1 • Aluminium with stainless steel finish
Highlights		• Cover with various perforations
Applications	• Skirting board duct • Skirting board duct integrated in drywalls • Side rail duct • Floor duct on the facade • Ceiling duct integrated in suspended plasterboard ceiling	

Installation options (sketch)

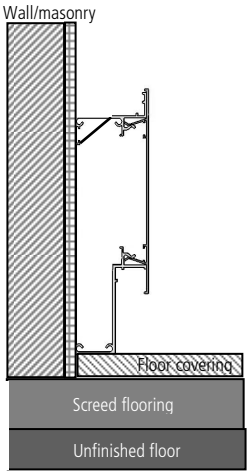
Drywall construction on screed flooring:



Drywall construction on flooring:



Surface-mounted:



Installation instructions

- Direct installation on upright profiles

Accessories

- Coupling pin (included in delivery)

- Earthing set (included in delivery)

- Light modules (LED strips, LED cubes)
- Tool box

Product benefits

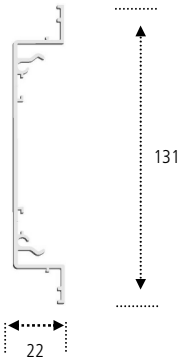
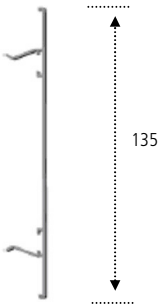
- Designer cable duct!
- No need for earthing when using the tool box
  Special geometry for integration in drywall constructions
- Replaces the floor skirting board
- Can be installed directly on screed flooring
  (replacement of the flooring without removing the duct).
- Variable positioning of sockets and installation devices along the wall
- Shadow gaps on both sides created a free-floating impression
- No fingerprints on the surfaces
- Screwless clip cover assembly
- Complete camouflaging of the baseboard by the cover (no longitudinal joint)
  Option of indirect LED lighting (light lines on both sides)

Overview of items

SKIRTING BOARD CHANNEL

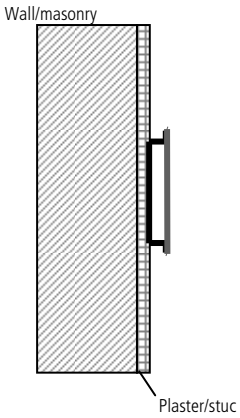
Item-no.	Designation	Unit	SRP
0010202	A-Track skirting board channel; base profile; alu optic; anodized 625mm	1 pc	84,00
0010204	A-Track skirting board channel; base profile; alu optic; anodized 1.875mm	1 pc	174,00

See extra page for covers, tool box and light modules

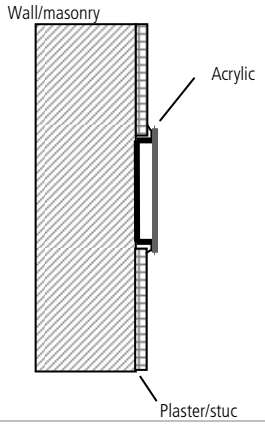
Product images		
Brief description	The flat wall pillar is made of aluminium and can be installed at half room height or at room height, and is solely for cable routing. It can be installed both surface-mounted and flush-mounted in the walls. The flat wall pillar consists of a baseboard, and the same cover panels with the natural aluminium and stainless steel finish can be used. The flat wall pillar offers the option of backlighting the shadow gaps with the AmbienTrack LED strips as well as installing AmbienTrack LED spotlights.	
Purchase order items	• Baseboard	• Cover • Complete set (900 mm)
Product diagram		
Profile lengths	• 500 mm • 900 mm	• 500 mm • 900 mm • 2,500 mm
Material/Colours/Surfaces	• Anodised natural aluminium E6EV1	Anodised natural aluminium E6EV1 Aluminium with stainless steel finish
Highlights	• Baseboard 500 features rear recesses for direct installation over in-wall sockets	Cover with various perforations
Possible applications	• Pillar, room-height • Pillar, half room height (with end section) • Ceiling duct • Cable routing duct	

Installation options (sketch)

Surface-mounted:



In-wall:



Installation instructions

- 2 rows of drill holes (5 mm) on the rear of the profile (wall system surfaces); hole interval: 400 mm.
- Surface-mounted installation using screws (wall plugs as per wall composition)

Accessories

- Coupling pin (included in delivery)

- Earthing set (included in delivery) (only needed in exceptional cases):

- See extra page for light modules

- End section (incl. installation bracket):

Product benefits Flat wall pillar

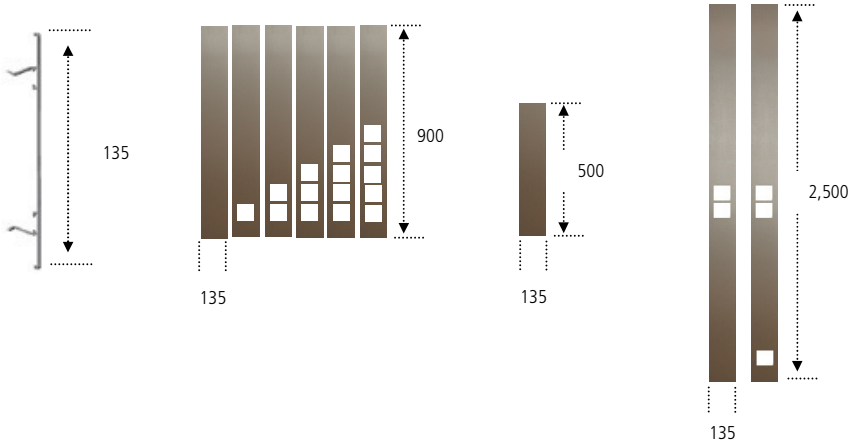
- Designer cable duct!
- Option of flush-mounted in-wall installation (gap covered by side profile edging; direct installation on the bare wall – no wall recess required)
- Surface-mounted shadow gap creates a free-floating impression
- No fingerprints on the surfaces
- Screwless clip cover assembly
- Complete camouflaging of the baseboard by the cover (no longitudinal joints)
- Option of indirect LED lighting (light lines)
- Same structural height as the skirting board

Overview of items

WALL PILLAR FLAT

Item-no.	Designation	Unit	SRP
0010803	A-Track wall pillar flat; alu optic; anodized 900mm	1 pc	54,00
0010806	A-Track wall pillar flat; set with cover; alu optic	1 Set	77,00
0010807	A-Track wall pillar flat; set with cover; stainless steel optic	1 Set	95,00
Accessories			
0010804	A-Track wall pillar flat; alu optic; anodized; end cap	1 pc	25,00
0010805	A-Track wall pillar flat; stainless steel optic; end cap	1 pc	27,50

See extra page for covers and light modules

Product images	
Brief description	The same aluminium covers are used for the wall duct, corner duct, skirting board duct and the flat wall duct baseboard. There are two standard surface finishes (natural anodised and stainless steel). The covers are clipped onto the baseboard without screws. To match the various installation products and light modules, there are covers with the corresponding perforations. A special design feature is the frame-free installation of standard switch systems.
Product diagram	
Profile lengths	• 500 mm • 900 mm • 2,500 mm • Further lengths on request
Material/Colours/Surfaces	• Anodised natural aluminium E6EV1 • Aluminium with stainless steel finish • Further surface finishes and colours (painted in all RAL colours) on request
Versions	• Closed cover • Cover with perforation for switch systems with 56x56 central plates (1 to 5-fold) • Cover with perforation for switch systems with 65x65 central plates (1 to 5-fold) • Cover with perforation for switch systems with 71x71 central plates (1 to 5-fold) • Cover with perforation for AmbienArt LED cube • Further perforations on request
Installation instructions	Position the tool box in baseboard to match up with the perforation
Accessories	Universal cable outlet
Product benefits	• Frame-free installation of standard switch systems (cover replaces the switch system frame) • No fingerprints on the surfaces • Screwless clip cover assembly • Complete camouflaging of the baseboard by the cover (no longitudinal joints)

Switch systems

The table below shows an example of the AmbienTrack covers which should be used for particular manufacturer brands/ switch systems.

Manufacturer	Cover 56x56	Cover 65x65	Cover 71x71
Merten	M smart M Arc M star M Plan M Plan II		
Gira	E2 Event Esprit standard 55		
Jung	AS 500 AS 500 antibacterial A 500 AS universal		L990 Anthracite LS Plus High-gloss chrome
Busch Jaeger		future future linear carat solo pure stainless steel	

Maintenance

Clean the covers with a soft cloth only. If it is very dirty, you can use a neutral cleaning agent with a damp cloth. NEVER wash the profiles!

Overview of items

COVER

Item-no.	Designation	Unit	SRP
anodized aluminum			
00114002	A-Track cover; alu optic; 500mm	1 pc	29,50
00114003	A-Track cover; alu optic; 900mm	1 pc	39,50
0011490	A-Track cover; alu optic; cable outlet	1 pc	19,90
stainless steel optic			
00114005	A-Track cover; stainless steel optic; 500mm	1 pc	39,50
00114006	A-Track cover; stainless steel optic; 900mm	1 pc	57,00
0011491	A-Track cover; stainless steel optic; cable outlet	1 pc	24,00

COVER SYSTEM 56MM

Item-no.	Designation	Unit	SRP
anodized aluminum			
00114501	A-Track cover System 56; alu optic; / 1 gang; 900mm	1 pc	44,00
00114503	A-Track cover System 56; alu optic; / 2 gang; 900mm	1 pc	45,50
00114505	A-Track cover System 56; alu optic; / 3 gang; 900mm	1 pc	47,90
00114507	A-Track cover System 56; alu optic; / 4 gang; 900mm	1 pc	50,00
00114508	A-Track cover System 56; alu optic; / 5 gang; 900mm	1 pc	52,50
00114504	A-Track cover System 56; alu optic; / 2 gang; 2.500mm	1 pc	135,00
00114506	A-Track cover System 56; alu optic; / 2+1 gang; 2.500mm	1 pc	137,00
stainless steel optic			
00114509	A-Track cover System 56; stainless steel optic; / 1 gang; 900mm	1 pc	61,50
00114511	A-Track cover System 56; stainless steel optic; / 2 gang; 900mm	1 pc	64,00
00114513	A-Track cover System 56; stainless steel optic; / 3 gang; 900mm	1 pc	66,00
00114515	A-Track cover System 56; stainless steel optic; / 4 gang; 900mm	1 pc	68,00
00114516	A-Track cover System 56; stainless steel optic; / 5 gang; 900mm	1 pc	70,00
00114512	A-Track cover System 56; stainless steel optic; / 2 gang; 2.500mm	1 pc	187,00
00114514	A-Track cover System 56; stainless steel optic; / 2+1 gang; 2.500mm	1 pc	189,00

Overview of items

COVER SYSTEM 65MM

Item-no.	Designation	Unit	SRP
anodized aluminum			
00114601	A-Track cover System 65; alu optic; / 1 gang; 900mm		
00114603	A-Track cover System 65; alu optic; / 2 gang; 900mm	1 pc	45,50
00114604	A-Track cover System 65; alu optic; / 3 gang; 900mm	1 pc	47,90
00114605	A-Track cover System 65; alu optic; / 4 gang; 900mm	1 pc	50,00
00114606	A-Track cover System 65; alu optic; / 5 gang; 900mm	1 pc	52,50
stainless steel optic			
00114607	A-Track cover System 65; stainless steel optic; / 1 gang; 900mm	1 pc	61,50
00114609	A-Track cover System 65; stainless steel optic; / 2 gang; 900mm	1 pc	64,00
00114610	A-Track cover System 65; stainless steel optic; / 3 gang; 900mm	1 pc	66,00
00114611	A-Track cover System 65; stainless steel optic; / 4 gang; 900mm	1 pc	68,00
00114612	A-Track cover System 65; stainless steel optic; / 5 gang; 900mm	1 pc	70,00

COVER SYSTEM 71MM

Item-no.	Designation	Unit	SRP
anodized aluminum			
00114701	A-Track cover System 71; alu optic; / 1 gang; 900mm	1 pc	44,00
00114703	A-Track cover System 71; alu optic; / 2 gang; 900mm	1 pc	45,50
00114704	A-Track cover System 71; alu optic; / 3 gang; 900mm	1 pc	47,90
00114705	A-Track cover System 71; alu optic; / 4 gang; 900mm	1 pc	50,00
00114706	A-Track cover System 71; alu optic; / 5 gang; 900mm	1 pc	52,50
stainless steel optic			
00114707	A-Track cover System 71; stainless steel optic; / 1 gang; 900mm	1 pc	61,50
00114709	A-Track cover System 71; stainless steel optic; / 2 gang; 900mm	1 pc	64,00
00114710	A-Track cover System 71; stainless steel optic; / 3 gang; 900mm	1 pc	66,00
00114711	A-Track cover System 71; stainless steel optic; / 4 gang; 900mm	1 pc	68,00
00114712	A-Track cover System 71; stainless steel optic; / 5 gang; 900mm	1 pc	70,00

COVER UNIVERSALAUSLASS

Item-no.	Designation	Unit	SRP
anodized aluminum			
0011490	A-Track cover; alu optic; cable outlet	1 pc	19,90
stainless steel optic			
0011491	A-Track cover; stainless steel optic; cable outlet	1 pc	24,00

Product images

Brief description

To supplement AmbienTrack, we also offer a wide spectrum of fixed multimedia installations. The range consists of panel jacks and covers for easy integration of video and audio connections in standard switch systems or in AmbienTrack installations. The modular set-up allows any combination you wish.

Purchase order options

- Support ring
- Cover
- Video/digital
- Audio
- YUV
- HDMI & HDMI with cable
- VGA & VGA with cable
- LS-terminal
- Dimensions: 56x28 or 70x35

Material/Colours/Surfaces

- Natural anodised aluminium

Handling and installation instructions

The AV covers can be integrated into both the AmbienTrack system as well as standard in-wall installations.

Product benefits

- 2 connections in the smallest of spaces
- Connections can be replaced or upgraded anytime
- Elegant design

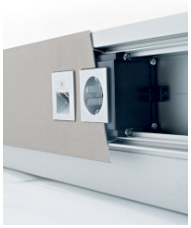
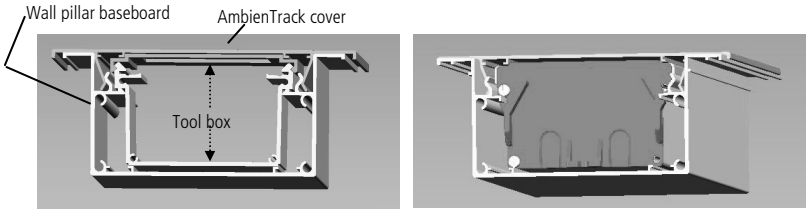
Accessories

AmbienTrack tool box. See extra page

Overview of items

MULTIMEDIATERMINALS

Item-no.	Designation	Unit	SRP
0098000	Support ring	bulk	10,99
00980005006	blind; 56x28	bulk	17,49
00980007006	blind; 70x35	bulk	18,49
00980085016	Video / Digital; 1 RCA; 56x28	bulk	21,99
00980087016	Video / Digital; 1 RCA; 70x35	bulk	22,99
00980085026	Audio; 2 RCA; 56x28	bulk	25,49
00980087026	Audio; 2 RCA; 70x35	bulk	26,99
00980085036	YUV; 3 RCA; 56x28	bulk	29,99
00980087036	YUV; 3 RCA; 70x35	bulk	29,99
00980035016	HDMI <-> HDMI; 56x28	bulk	29,99
00980037016	HDMI <-> HDMI; 70x35	bulk	31,49
00980025256	HDMI <-> HDMI 25 cm; round; 56x28	bulk	31,99
00980027256	HDMI <-> HDMI 25 cm; round; 70x35	bulk	32,99
00980125016	VGA (w); 56x28	bulk	25,99
00980127016	VGA (w); 70x35	bulk	26,99
00980125256	VGA (f) <-> VGA (f) 25cm; 56x28	bulk	24,99
00980127256	VGA (f) <-> VGA (f) 25cm; 70x35	bulk	23,99
00980105026	Banana / Spade Lug; 56x28	bulk	31,99
00980107026	Banana / Spade Lug; 70x35	bulk	32,99

Product images	
Brief description	The tool box allows installation components such as switches, sockets, computer and speaker connections, sensors, operating elements and so on to be installed modularly in any combination in the AmbienTrack wall ducts, corner ducts and skirting board ducts. Furthermore, the tool box can be used as a distributor and branching box. The installation of power supply units and electronic components, e.g. for building automation, is also possible. The tool box is available in a variety of lengths, suitable for the respective installation situation. The entire box is made of plastic and sheathes all metallic parts of the installation components, providing protection against accidental contact even when the ducts are open. In addition, the box can be used to accommodate the control and electronic circuits for the AmbienTrack LED components.
Scope of delivery	Complete box, consisting of: • Tool box base section • Tool box base part • 2 x end sections, pre-stamped for cable outlets • Locking screws • Screws for end sections • Installation instructions
Product diagram	
Formats, lengths	• Tool box 1-fold: 71 mm; Tool box 2-fold: 142 mm; Tool box 3-fold: 213 mm; Tool box 4-fold: 284 mm; Tool box 5-fold: 355 mm; individual formats on request
Material/Colours/Surfaces	• Top part and base part made of reground PVC • End sections made of PVS
Versions	• Empty box for use as a terminal and distributor box • Tool box with top part perforations, suitable for standard device systems • Box, pre-equipped with LED circuit electronics • Box, equipped with LED controller or power supply units
Installation	

Installation instructions	Fit the required devices to the base part of the tool box and connect the cabling. Ensure that the support rings for the built-in devices slot into the groove of the base part.	Pull the cables through the end sections and fix them in place with the strain relief (separate item). Screw the end sections to the base part of the tool box.	Clip on the top part of the tool box.	Attach the top (central panels) of the devices.

Accessories

- Strain relief

- See extra pages for complete installations and electronics for lighting systems

Tool box benefits

- Modular installation (without screws) of standard switch systems in any combination
- Easy insertion of support rings
- Allows frame-free installation of switch systems (AmbienTrack cover replaces switch frames)
- Complete covering of all metallic components in the built-in devices. This means no earthing of the AmbienTrack profiles is required.
- For use as a terminal and distributor box
- Installation of electrical components
- Installation of LED circuit electronics
- Complete pre-assembly possible -> Plug&Play installation
- Easy to clip into the AmbienTrack profiles

Overview of items

TOOLBOX

Item-no.	Designation	Unit	SRP
0013001	A-Track toolbox set;closed / 1 gang	1 Set	5,45
0013002	A-Track toolbox set;closed / 2 gang	1 Set	6,10
0013003	A-Track toolbox set;closed / 3 gang	1 Set	6,90
0013004	A-Track toolbox set;closed / 4 gang	1 Set	7,60
0013005	A-Track toolbox set;closed / 5 gang	1 Set	8,35

TOOLBOX SYSTEM 56MM

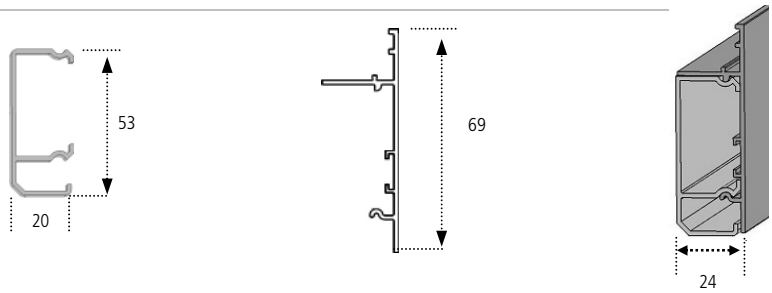
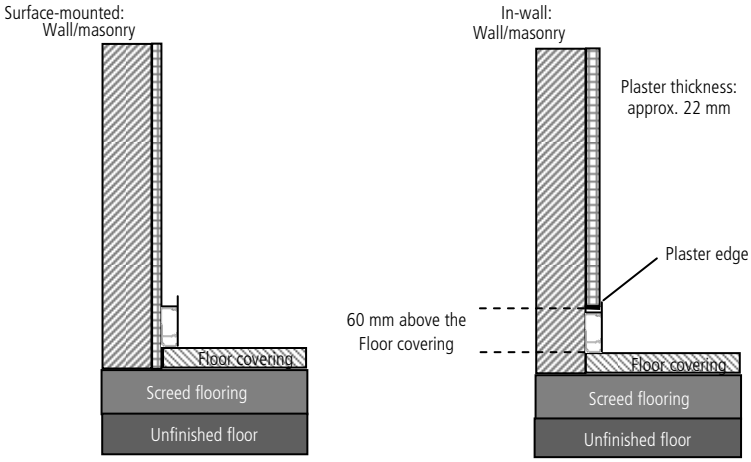
Item-no.	Designation	Unit	SRP
0013051	A-Track toolbox set; System 56 / 1 gang	1 Set	6,70
0013052	A-Track toolbox set; System 56 / 2 gang	1 Set	9,65
0013053	A-Track toolbox set; System 56 / 3 gang	1 Set	11,30
0013054	A-Track toolbox set; System 56 / 4 gang	1 Set	13,90
0013055	A-Track toolbox set; System 56 / 5 gang	1 Set	16,40

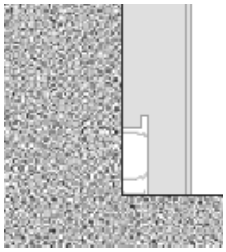
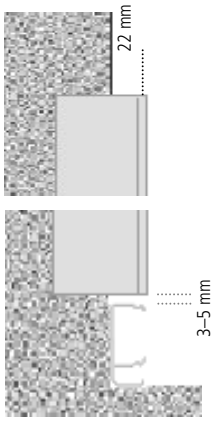
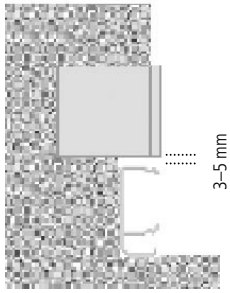
TOOLBOX SYSTEM 65MM

Item-no.	Designation	Unit	SRP
0013061	A-Track toolbox set; System 65 / 1 gang	1 Set	6,70
0013062	A-Track toolbox set; System 65 / 2 gang	1 Set	9,65
0013063	A-Track toolbox set; System 65 / 3 gang	1 Set	11,30
0013064	A-Track toolbox set; System 65 / 4 gang	1 Set	13,90
0013065	A-Track toolbox set; System 65 / 5 gang	1 Set	16,40

TOOLBOX SYSTEM 71MM

Item-no.	Designation	Unit	SRP
0013071	A-Track toolbox set; System 71 / 1 gang	1 Set	4,80
0013072	A-Track toolbox set; System 71 / 2 gang	1 Set	5,40
0013073	A-Track toolbox set; System 71 / 3 gang	1 Set	5,70
0013074	A-Track toolbox set; System 71 / 4 gang	1 Set	6,15
0013075	A-Track toolbox set; System 71 / 5 gang	1 Set	6,70
Accessories			
00190003	A-Track strain relief (M5861)	1 pc	1,10

Product images	
Brief description	The AmbienTrack skirting board is used for horizontal distribution of cables in a room, which generally lead out of an AmbienTrack pillar. It is however also possible to feed into an AmbienTrack skirting board directly from the wall. The baseboard for the AmbienTrack skirting board is made of plastic and is completely covered by the aluminium top part, available in the surface finishes natural aluminium or stainless steel. The AmbienTrack skirting board provides the option of backlighting the shadow gaps with the AmbienTrack LED strips as well as installing AmbienTrack LED spotlights. It replaces the normal skirting board.
Purchase order items	Set, consisting of baseboard and cover
Product diagram	
Profile lengths	• 1,800 mm
Material/Colours/Surfaces	Baseboard: • Reground PVC Cover: • Anodised natural aluminium E6EV1 • Aluminium stainless steel finish
Applications	• Skirting board • Picture rail (ceiling area) • Drywalling (with the aid of adapter profiles)
Installation options (sketch)	

Installation instructions	General guidelines for assembling the joining strip: When installing the covers, start with the end or corner sections first so that as few of the cut edges as possible can be seen, and so these are camouflaged by the wall pillar cover. Assembly in combination with wall pillars:		
	Surface-mounted Use the wall and corner pillars with the SL cutout. Position the relevant cutout above the baseboard of the joining strip. Sequence: 1. Baseboard joining strip 2. Baseboard wall pillar 3. Wall pillar cover 4. Joining strip cover (flush cut) 	Recessed Use wall pillars WITHOUT an SL cutout and embed into the wall with a clearance of 22 mm to the flange. Maintain 3–5 mm interval to the baseboard of the joining strip so that the SL cover can click into place. Discontinue the joining strip approx. 70–75 mm below the wall pillar. You can use the "SL wall pillar connection cover" here later. Adjust the flange of the baseboard so that it has a clearance of 22 mm from the wall. Notes on recessed and in-wall installation: Take the thickness of the wall plaster into consideration when planning the installation depth for the wall pillars. 	In-wall Use wall pillars WITHOUT the SL cutout and mount them flush into the wall all the way to the flange. Maintain a 3–5 mm interval to the baseboard of the joining strip so that the SL cover can click into place. Discontinue the joining strip approx. 70–75 mm below the wall pillar. You can use the "SL wall pillar connection cover" here later. 
Accessories	Outer corner: 	End sections (left/right): 	Device support: 	LED tubes:

Skirting board product benefits

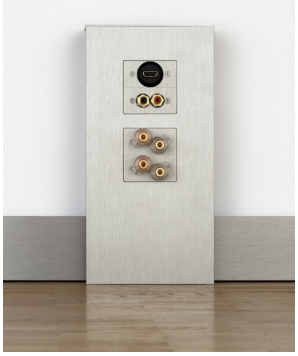
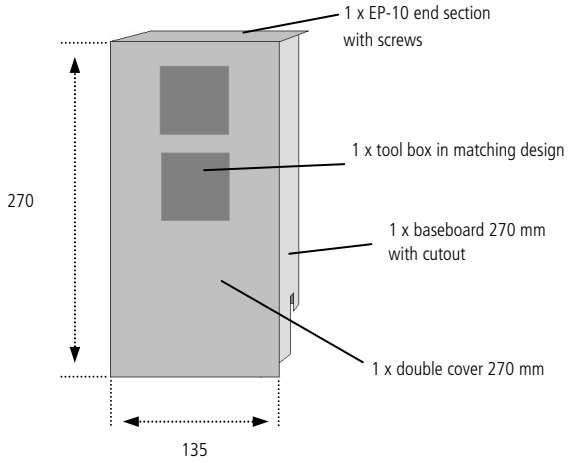
- Designer cable duct!
- Replaces the floor skirting board
- Option of flush-mounted in-wall installation (gap covered by cover profile; direct installation on the bare wall – no wall recess required)
- Surface-mounted shadow gap creates a free-floating impression
- Asymmetrical partitioning of the installation chambers allows the use of plug connections during installation
- No fingerprints on the surfaces
- Screwless clip cover assembly
- Corner sections without changing wall thickness
- Complete camouflaging of the baseboard by the cover (no longitudinal joints)
- Option of indirect LED lighting (light lines) and installation of LED floor spotlights
- Use of environmentally-friendly reground PVC
- Comprehensive range of accessories, e.g universal cable outlet

Overview of items

SKIRTING BOARD

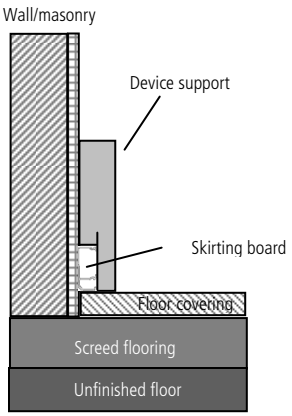
Item-no.	Designation	Unit	SRP
anodized aluminum			
0010004	A-Track skirting board; alu optic; 1.800mm	1 Set	69,00
0010005	A-Track skirting board; alu optic; 1.800mm	5 Set	252,00
anodized aluminum			
0010008	A-Track skirting board; alu optic; external corner	1 pc	29,90
0010010	A-Track skirting board; alu optic; end cap left	1 pc	27,50
0010009	A-Track skirting board; alu optic; end cap right	1 pc	27,50
stainless steel optic			
0010012	A-Track skirting board; stainless steel optic; 1.800mm	1 Set	88,00
0010013	A-Track skirting board; stainless steel optic; 1.800mm	5 Set	359,00
Accessories			
0010016	A-Track skirting board; stainless steel optic; external corner	1 pc	37,50
0010018	A-Track skirting board; stainless steel optic; end cap left	1 pc	37,50
0010017	A-Track skirting boar ; stainless steel optic; end cap right	1 pc	37,50

See extra page for light modules

Product images	
Brief description	The AmbienTrack device support is installed on the skirting board and allows you to vary the position of sockets, a computer or multimedia connections. It can also be easily added to at a later date. The devices support are made of aluminium, in the natural aluminium or stainless steel surface finish. The AmbienTrack device support offers the option of backlighting the shadow gaps with the AmbienTrack LED strips as well as installing AmbienTrack LED spotlights to illuminate the walls.
Scope of delivery	Complete set, consisting of: • Baseboard • Cover • End section • Tool box 2-fold:
Product diagram	
Material/Colours/Surfaces	Baseboard • Anodised natural aluminium E6EV1 Cover and end section: • Anodised natural aluminium E6EV1 • Aluminium stainless steel finish
Versions	• 2-fold perforation for switch systems with 55x55 central plates • 2-fold perforations for switch systems with 64x64 central plates • 2-fold perforations for switch systems with 71x71 central plates

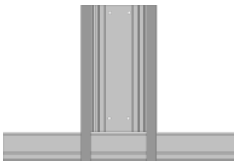
Installation options (sketch)

Surface-mounted

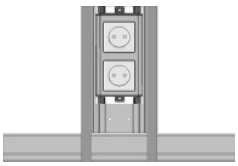


Installation instructions

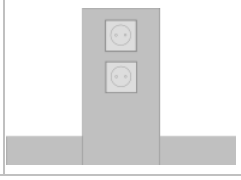
Fit the baseboard for the device support to the position of your choice on the wall. Position the cutout above the baseboard of the skirting board. Remove the cover of the skirting board first.



Insert the cables from the skirting board into the device support and wire them to the tool box. Then clip the pre-equipped and wire tool box into place and secure it.



Put on the cover and the end section of the device support. The covers of the skirting board are fitted flush.



Product benefits Device support

- Designer cable duct system
- Variable positioning of sockets and other connections
- No cutting into walls when relocating or adding to sockets
- Installation of standard socket systems
- Surface-mounted shadow gap creates a free-floating impression
- No fingerprints on the surfaces
- Screwless clip cover assembly
- Upgrading to wall spotlight with LED end section
- LED light lines can be added

Overview of items

DEVICE SUPPORT CLOSED

Item-no.	Designation	Unit	SRP
anodized aluminum			
0013200	A-Track device support set; closed; alu optic	1 Set	66,00

DEVICE SUPPORT SYSTEM 56MM

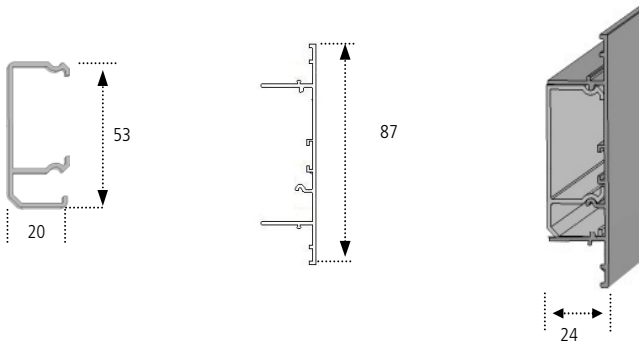
Item-no.	Designation	Unit	SRP
anodized aluminum			
0013251	A-Track device support set System 56 ; alu optic	1 Set	88,00
stainless steel optic			
0013252	A-Track device support set System 56 ; stainless steel optic	1 Set	99,00

DEVICE SUPPORT SYSTEM 65mm

Item-no.	Designation	Unit	SRP
anodized aluminum			
0013261	A-Track device support set System 65; alu optic	1 Set	88,00
stainless steel optic			
0013262	A-Track device support set System 65; stainless steel optic	1 Set	99,00

DEVICE SUPPORT SYSTEM 71mm

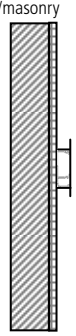
Item-no.	Designation	Unit	SRP
anodized aluminum			
0013271	A-Track device support set System 71 set; alu optic	1 Set	88,00
stainless steel optic			
0013272	A-Track device support set System 71 set; stainless steel optic	1 Set	99,00

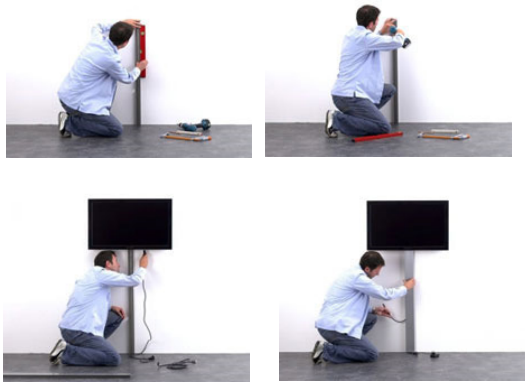
Product images		
Brief description	The compact wall pillar is also used for guiding cables and is usually surface-mounted. It has a slimmer design than the flat wall pillar. The baseboard for the WA OT90 is made of plastic and is completely covered by the aluminium top part, available in the surface finishes natural aluminium or stainless steel. The WS OT90 provides the option of backlighting the shadow gaps with the AmbienTrack LED strips as well as installing AmbienTrack LED spotlights.	
Purchase order options	Set, consisting of baseboard and cover	
Product diagram		
Profile lengths	• 1,800 mm • 1,000 mm (TV cable duct)	
Material/Colours/Surfaces	Baseboard: • Reground PVC	Cover: • Anodised natural aluminium E6EV1 • Aluminium stainless steel finish TV cable duct (set: 1,000 mm) • Aluminium powder-coated finish, black • Aluminium powder-coated finish, silver-grey • Aluminium powder-coated finish, white • Aluminium powder coated finish, orange • Aluminium powder coated finish, blue
Applications	• Cable routing duct, surface-mounted • Ceiling duct • Drywall construction (with adapter profiles) • TV cable duct	

Installation options (sketch)

Surface-mounted

Wall/masonry





Accessories

- See extra page for light modules for the compact wall pillar
- LED light kit, specially for TV cable ducts, see article overview below
- AmbienTech TV wall bracket, see extra page

Product benefits WS OT90

- Designer cable duct!
- Surface-mounted shadow gap creates a free-floating impression
- Asymmetrical partitioning of the installation chambers allows the use of plug connections during installation
- No fingerprints on the surfaces
- Screwless clip cover assembly
- Easy installation of the baseboard (reground PVC)
- Complete camouflaging of the baseboard by the cover (no longitudinal joints)
- Pre-stamped cover side walls. This makes side cable outlets easy to make.
- Option of indirect LED lighting (light lines) and installation of LED spotlights
- Use of environmentally-friendly reground PVC
- Comprehensive range of accessories for TV cable duct, e.g. TV wall bracket

Overview of items

WALL PILLAR SMALL

Item-no.	Designation	Unit	SRP
0010403	A-Track wall pillar small; alu optic; 1.800mm	1 Set	60,00
0010405	A-Track wall pillar small; stainless steel optic; 1.800mm	1 Set	83,00

TV CABLE CHANNEL

Item-no.	Designation	Unit	SRP
00110106101	TV cable channel 1000 mm white	1 pc	78,00
00110107101	TV cable channel 1000 mm black	1 pc	78,00
00110108101	TV cable channel 1000 mm silver grey	1 pc	78,00
LED kit for TV cable channel			
002700020421	LED light kit 2 x 1,0m blue	1 pc	109,00
0027000206121	LED light kit 2 x 1,0m warm white	1 pc	126,00
002700020621	LED light kit 2 x 1,0m white	1 pc	120,00

Product images		
Brief description	Today's powerful home entertainment products can do just about anything, that is, except blend in with the room. Our innovative fixture solutions can position your LCD or plasma TV exactly where it looks best in the room. All the positions are VESA compatible and suitable for practically any screen size and any model on the market. For the highest possible convenience and freedom of movement.	
Purchase order items	TV wall bracket no. 1	TV wall bracket no. 2
Screen sizes and load values		
Installation instructions	Please observe the operating manual provided with the product.	
Accessories	TV cable duct. See extra page	

Product benefits TV wall bracket	AmbienTech wall bracket no. 1 • Universal plasma/LCD TV wall bracket • Fulfils the VESA standard • TV size: 37–60"/95–153 cm • TV weight: 75 kg/165 lbs • With spirit level • Lockable • Super-flat design • Incl. installation instructions • Incl. installation kit • Simple Plug&Play installation	AmbienTech wall bracket no. 2 • Universal plasma/LCD TV wall bracket • Fulfils the VESA standard • TV size: 23–37"/59–95 cm • TV weight: 50 kg/110 lbs • Lockable • Super-flat design • Incl. installation instructions • Incl. installation kit • Simple Plug&Play installation
Overview of items		

TV WALL MOUNT

Item-no.	Designation	Unit	SRP
002606075	TV wall mount No.1 37-60" / 95-153cm	1 pc	64,00
002603750	TV wall mount No.2 23-37" / 59-95 cm	1 pc	42,00

Skirting board outside corner 90°

0010008	A-Track skirting board; alu optic; external corner	1 pc	29,90
0010016	A-Track skirting board; stainless steel optic; external corner	1 pc	37,50

Skirting board end sections

0010010	A-Track skirting board; alu optic; end cap left	1 pc	27,50
0010009	A-Track skirting board; alu optic; end cap right	1 pc	27,50
0010018	A-Track skirting board; stainless steel optic; end cap left	1 pc	37,50
0010017	A-Track skirting boar ; stainless steel optic; end cap right	1 pc	37,50

Cover panel for wall and corner pillar with universal outlet.

0011490	A-Track cover; alu optic; cable outlet	1 pc	19,90
0011491	A-Track cover; stainless steel optic; cable outlet	1 pc	24,00

End section for corner pillar

0011205	A-Track corner pillar; alu optic; end cap	1 pc	29,50
0011206	A-Track corner pillar; stainless steel optic; end cap	1 pc	32,00

End section for wall pillar and flat wall pillar

0011009	A-Track wall pillar high; alu optic; end cap (old)	1 pc	27,50
0011012	A-Track wall pillar high; stainless steel optic; end cap	1 pc	29,50
0011009	A-Track wall pillar high; alu optic; end cap (old)	1 pc	27,50
0011012	A-Track wall pillar high; stainless steel optic; end cap	1 pc	29,50

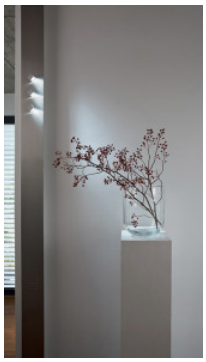
Strain relief for tool box	00190003	A-Track strain relief (M5861)	1 pc	1,10

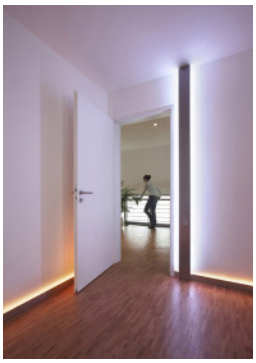
AMBIENART – THE SYSTEM

AmbienArt, the lighting building blocks for AmbienTrack, now makes it possible, for the first time, to locate the power plugs you need for light sources flexibly and in the right places within a room – and to retrofit them as well.

And with the new lighting components, the matching products are available to solve diverse types of problems. AmbienArt creates new levels of freedom to turn a room into an attractive living environment. A simple white surface is transformed into a dynamic, illuminated object by AmbienArt.

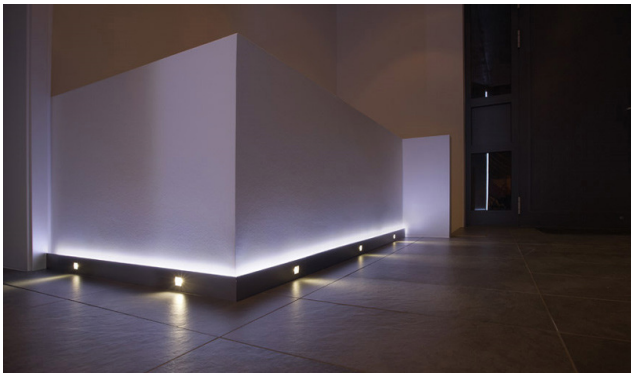
Complementing a general or background light, AmbienArt allows the key light, which is so important to the room's overall effect, to be installed, and so determine where the observer's attention and perception will be guided. The LED cubes, for example, generate a comfortable atmosphere in the room with their attractive light and shadow play in suitable colours, and highlight certain objects or wall surfaces.

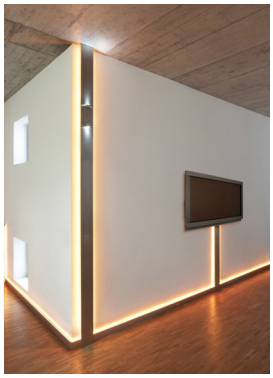




Using the LED strips, which are placed in the characteristic shadow gaps of the AmbienTrack ducts, fascinating lines of light – with a dynamic change of colour – are created, which can also be used as an orientation feature. A variety of scene settings allow you to lend the same room the right mood for an evening of TV, or add that special touch for a party on another occasion.

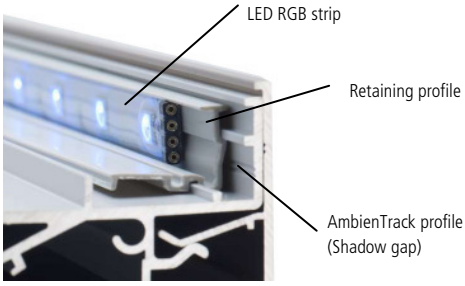
The minimalistic design of the entire AmbienTrack system has also been retained for the LED cubes. Great light is produced with the smallest dimensions. The complete system allows any number of variable combinations, so that the rotatable spotlights can be positioned at exactly the right height and with the right angle of illumination.





AmbienArt is especially interesting for older buildings, where attractive lighting concepts can be realised without having to cut into and knock down walls. Only the most modern, energy-efficient LEDs are used as light sources. These now feature a very high light flux, in combination with a longer life span, and a considerably improved light yield in comparison to standard illuminants such as light bulbs or halogen lamps. In addition, the play of colours the LEDs create provide innovative and previously unimagined interior design options.

Product images



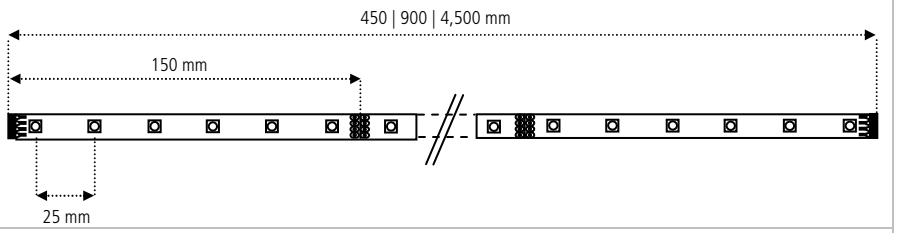
Brief description

For installation in the shadow gap of the AmbienTrack ducts (wall duct, corner duct, skirting board, skirting duct, device support, TV wall duct) there are LED strips in a variety of designs. Monochrome strips in the colours white, warm white and blue can be clipped into the profiles – no need for tools. They are supplied directly using appropriate 24 volt power supply units from the AmbienTrack range, or using the AmbienTrack controller/dimmer.
In addition, the LED strip is also available in a RGB version. This allows the light lines to be realised in any imaginable colour and even with dynamic changes of colour. The RGB strip is clipped into the AmbienTrack profile together with a small retaining profile and activated using the AmbienTrack controller/dimmer. A comprehensive range of accessories, such as connector or coupling pieces, is available for the LED strips. A flexible LED strip with the three base colours red, green and blue for individual and variable colour palettes. Dust and water proof, moulded with a self-adhesive rear side for universal use. The short LED intervals of just 25 mm provide a high luminosity and evenly distribute the illumination. The strips are easy to combine by joining together.

Purchase order items

- LED strip RGB (lengths: 450 mm, 900 mm, 4,500 mm) incl. retaining profile

Product diagram



Electrical component data

Item no.:	**0027204509**	**0027209009**	**002 7245009**
Length	45 cm (447 mm)	90 cm (897 mm)	4.5 m (4,497 mm)
Number of LEDs:	18	36	180
Output:	3.5 watts (0.146 A)	7 watts (0.29 A)	35 watts (1.46 A)
Operating voltage:	24 volts	24 volts	24 volts
LED colours:	RGB	RGB	RGB
Width:	10 mm	10 mm	10 mm
LED intervals:	25 mm	25 mm	25 mm
Colour of support material:	white	white	white
Connection:	double-sided with a quadripole coupler	double-sided with a quadripole coupler	double-sided with a quadripole coupler
Separable	every 15 cm	every 15 cm	every 15 cm
Self-adhesive	yes	yes	yes
Waterproof	yes	yes	yes
Conforms to CE	yes	yes	yes
Conforms to RoHS	yes	yes	yes

Circuit diagram

Combinations/components

AmbienTrack profile:

- Wall duct
- Flat wall duct
- Corner duct
- Skirting board duct
- TV cable duct
- Skirting board

Photometric data

Colour	Operating voltage (volts DC)	Power consumption (mA)	Output (W)	Wavelength Type (nm)	Angle of illumination Type	Brightness Type (lm)
red	24	50	1,2	625	140°	47
green		120	2,9	525		90
blue		120	2,9	470		28

Based on a 900 mm module at 25°C

Handling and installation instructions

The RGB strips can be individually shortened at predefined points (every 150 mm). Shortening is only recommended at the end of a light line, so that no solder connection is required.

CAUTION: When connecting the LED tube, observe the polarity.

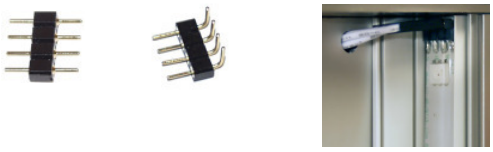
Accessories

AmbienArt LED light RGB connection cable

Quadripole cable for connecting the AmbienArt LED RGB strips to the AmbienArt RGB controller.

AmbienArt LED light RGB dual coupling

Quadripole dual coupling for connecting two AmbienArt LED light RGB strips. Quadripole dual coupling forming a 90° angle for joining or connecting two AmbienArt LED light RGB strips around a corner.



AmbienArt LED light RGB 4-pin PCB connector

Quadripole connector socket for soldering to shortened AmbienArt LED light RGB strips.

AmbientArt RGB controller

See extra page for a detailed product description

Product benefits

- Short LED intervals (25 mm) for high luminosity and less conspicuous points
- Low-key white support material
- Low colour/brightness tolerances (binning)
- Simple Plug&Play connections, both sides
- Can be combined using coupling pin
- Constant LED interval even with the coupling pins
- Dust and waterproof
- Suitable for AmbienTrack profiles | toolless installation
- Self-adhesive for universal use
- Separable every 15 cm
- Available in the lengths 450 mm | 900 mm | 4,500 mm
- Delivery incl. PVC adapter profile for the AmbienTrack profile (shadow gap)

Applications

- Ambient room lighting
- Atmospheric light lines
- Orientation light

Overview of items

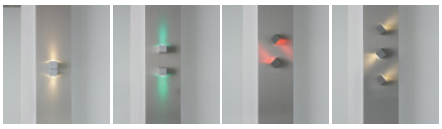
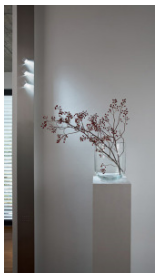
LED TUBE RGB

Item-no.	Designation	Unit	SRP
0015201	A-Art LED tube RGB 24V / 450mm (447 x 10 / 2xPCB connector / ESD)	1 pc	36,00
0015202	A-Art LED tube RGB 24V / 900mm (897 x 10 / 2xPCB connector / ESD)	1 pc	71,00
0015203	A-Art LED tube RGB 24V / 2.250mm (2.247 x 10 / 2xPCB connector / ESD)	1 pc	176,00
0015204	A-Art LED tube RGB 24V / 4.500mm (4.497 x 10 / 2xPCB connector / ESD)	1 pc	341,00
Accessories			
0015291	A-Art LED tube RGB connecting cable 1,5m	1 pc	8,15
0015293	A-Art LED tube RGB connector 4p.	1 pc	0,50
0015294	A-Art LED tube RGB connector 4p.; 90°	1 pc	0,55
0015295	A-Art LED tube RGB jack 4p; solder connection	1 pc	0,44

See extra page for AC adapter and RGB controller

NOTES

Product images

Brief description

The LED cubes have an edge length of just 30 mm, can be rotated by 360° and can be individually combined and can be placed and replaced on the AmbienTrack profiles anytime. The matching jacks with the LED circuit electronics are installed ready to connect to the AmbienTrack tool boxes. The focused light beam from the cube, with an illumination angle of 20°, is generated using power LED technology. The LED cube is available in both a monochrome and RGB version, which is a distinctive feature in this size. The power is supplied and the cube activated using the 24-volt power supply unit and the controller/dimmer from the AmbientTrack range. Ceilings, walls, accessories and even entire rooms can now be accentuated with cool or warm light colours according to preference.

Scope of delivery

- LED cube, operating manual

Product benefits/ applications

- Modern and efficient LED technology
- Can be rotated by 360°
- Very compact (edge length only 30mm)
- Available in monochrome or RGB colour-change version
- Different combinations possible
- Ambient lighting
- Side light/light cones on the wall
- Illuminating exhibits
- Setting light accents
- and much more!

Combinations/components

- AmbienTrack wall pillar
- AmbienTrack corner pillar
- AmbienTrack skirting board duct
- In-wall or cavity wall sockets

Accessories

- AmbienArt plug-in base in a range of models; see extra page
- AmbienArt RGB controller; see extra page
- AmbienArt AC adapter; see extra page

Technical data

- Dimensions: 30 x 30 x 30 mm
- Output: 1 watt/350 mA max.
- Angle of illumination: 15°
- Brightness: see overview
- Connection: 3.5 mm stereo jack
- Conforms to CE: yes
- Conforms to RoHS: yes

Handling and installation instructions

The LED cubes fall into two categories:

- monochrome (uni-colour)
- RGB (for colour change)

When planning, take into account that there are matching plug-in bases are available for each category.
The plug-in bases (except Slave) contain constant current converters which enable system-compatible activation using 24 volts PWM.

Overview of items

LED CUBE

Item-no.	Designation	Unit	SRP
monochrome			
0015401	A-Art LED cube monochrome 350mA/1W 90°; white	1 pc	58,00
0015402	A-Art LED cube monochrome 350mA/1W 90°; warmwhite	1 pc	58,00
0015404	A-Art LED cube monochrome 350mA/1W 90°; red	1 pc	58,00
0015405	A-Art LED cube monochrome 350mA/1W 90°; green	1 pc	58,00
0015403	A-Art LED cube monochrome 350mA/1W 90°; blue	1 pc	58,00
RGB color change		1 pc	0,00
0015451	A-Art LED cube RGB 3x350mA/1W; 90°	1 pc	65,00

LED PENDULAR

Item-no.	Designation	Unit	SRP
0015421	A-Art LED pendular monochrome 350mA/1W; white	1 pc	57,00
0015422	A-Art LED pendular monochrome 350mA/1W; warmwhite	1 pc	57,00

AMBIENART PLUG-IN BASE FOR THE LED CUBE

Brief description

The AmbienArt plug-in base performs both the electrical adjustment as well as the mechanical adaption of the LED cubes. They fit into the AmbienTrack tool box perfectly, where an adapter fitting guides the pluggable connections out of the tool box.
In combination with the in-wall covers, available separately, the plug-in base and the LED cube can be installed in standard in-wall sockets independently of the AmbienTrack system.

There are three different base modules:

1) AmbienArt plug-in base Master monochrome
The Master plug-in base contains the constant current converter required for the LED cube (24 volt → 350 mA) and can be dimmed by PWM. A DIP switch allows you to decide which system channel the LED cube reacts to. The Master plug-in base can power up to four further LED cubes using Slave plug-in bases.

2) AmbienArt plug-in base Slave monochrome
The Slave plug-in base is for extending the Master plug-in base (see above). It can also be used as a purely mechanical plug-in base for activating the LED cubes using other systems. CAUTION: In this case, it must be activated using 350 mA constant current!

3) AmbienArt plug-in base RGB
This plug-in base has been designed especially for the LED cubes RGB. It contains a separately-dimmable constant current converter for every colour channel (red, green and blue). It is activated using PWM.

Scope of delivery

- AmbienArt plug-in base; instruction manual

Product benefits

- Contains the required constant current converter
- Suitable for AmbienTrack systems
- Suitable for standard in-wall sockets
- Available in monochrome Master/Slave or RGB design
- Different combinations possible

Combinations

- AmbienTrack wall pillar
- AmbienTrack corner pillar
- AmbienTrack skirting board duct
- In-wall or cavity wall sockets

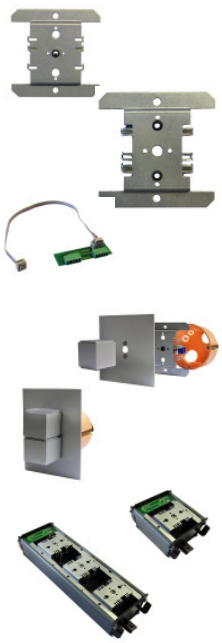
Accessories

- AmbienArt RGB controller; see extra page
- AmbienArt AC adapter; see extra page

Technical data

- Dimensions: approx. 71 x 71 x 35 mm
- Operating voltage: 24V
- Output rating: monochrome 1 watt/350mA; RGB 3 x 1 watt/350mA
- Dimmer control: PWM
- Connection: Flat ribbon cable and/or screw clamps
- Conforms to CE: yes
- Conforms to RoHS: yes

Overview of items



LED PLUG BASE

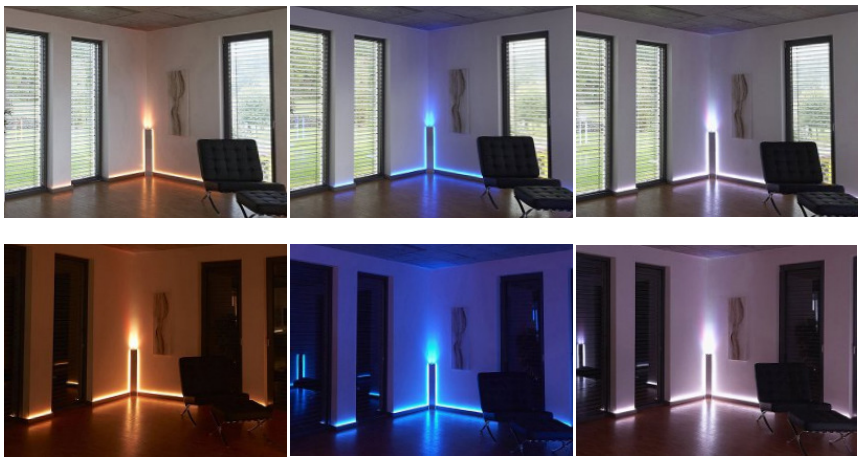
Item-no.	Designation	Unit	SRP
monochrome			
0015510	A-Art plug base monochrome 1 gang; Master	1 pc	45,00
0015511	A-Art plug base monochrome 1 gang; Slave	1 pc	19,00
0015513	A-Art plug base monochrome 2 gang; Master/Slave	1 pc	62,00
0015514	A-Art plug base monochrome 2 gang; Master/Master	1 pc	84,00
RGB color change			
0015551	A-Art plug base RGB 1 gang; Master	1 pc	45,00
0015552	A-Art plug base RGB 2 gang; Master	1 pc	84,00
Accessories			
0015593	A-Art LED cube plug base connecting adapter for toolbox	1 pc	21,50
0015591	A-Art LED cube UP-cover 1 gang; stainless steel optic	1 pc	24,00
0015592	A-Art LED cube UP-cover 2 gang; stainless steel optic	1 pc	27,50

LED STECKSOCKELBOX SET

Item-no.	Designation	Unit	SRP
monochrome			
0015601	A-Art plug base BOX monochrome 1 gang; Master	1 pc	61,00
0015603	A-Art plug base BOX monochrome 2 gang; Master/Slave	1 pc	81,00
0015604	A-Art plug base BOX monochrome 2 gang; Master/Master	1 pc	108,00
0015606	A-Art plug base BOX monochrome 3 gang; Master/Slave/Slave	1 pc	103,00
0015607	A-Art plug base BOX monochrome 3 gang; Master/Master/Master	1 pc	154,00
RGB color change			
0015651	A-Art plug base BOX RGB 1 gang	1 pc	61,00
0015652	A-Art plug base BOX RGB 2 gang	1 pc	108,00
0015653	A-Art plug base BOX RGB 3 gang	1 pc	154,00

AMBIENART LED WALL SPOTLIGHT

Product images



Brief description

A powerful LED spotlight in monochrome and RGB versions which is integrated into the end sections of the wall and corner pillars, as well as the device support. The beam of light emerging from the front face of the profile is generally directed towards the ceiling, and produces a fascinating light reflection on the wall – in particular during the dynamic colour changes. The power is supplied and the cube activated using the 24-volt power supply unit and the controller/dimmer from the AmbientTrack range. The extraordinary combination of light with sockets, loudspeakers and other connections underlines the innovative character of the AmbienTrack system and illustrates the intrinsic value of the entire installation.

Product benefits

- Power LED technology
- Spots produce a unique light reflection (side light)
- Available in monochrome or RGB version
- Different colour combinations possible

Combinations/components

- Wall pillar
- Corner pillar
- Device support

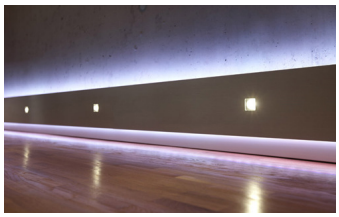
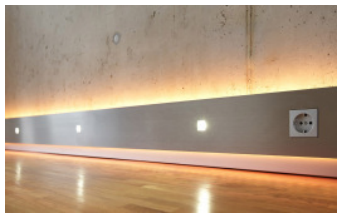
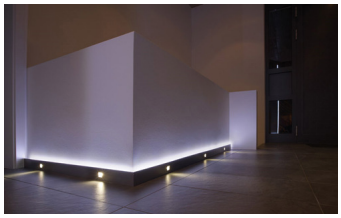
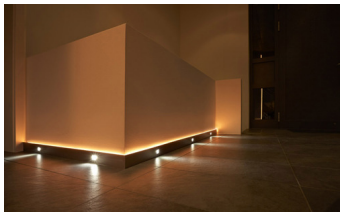
Overview of items

LED END CAP

Item-no.	Designation	Unit	SRP
wall pillar anodized aluminum			
0015802	A-Art LED end cap; wall pillar; alu optic; 350mA/1W; white	1 pc	92,00
0015803	A-Art LED end cap; wall pillar; alu optic; 350mA/1W; warmwhite	1 pc	92,00
0015801	A-Art LED end cap; wall pillar; alu optic; 350mA/1W; blue	1 pc	92,00
wall pillar stainless steel optic			
0015806	A-Art LED end cap; wall pillar; stainless steel optic; 350mA/1W; white	1 pc	94,00
0015807	A-Art LED end cap; wall pillar; stainless steel optic; 350mA/1W; warmwhite	1 pc	94,00
0015805	A-Art LED end cap; wall pillar; stainless steel optic; 350mA/1W; blue	1 pc	94,00
corner pillar anodized aluminum			
0015822	A-Art LED end cap; corner pillar; alu optic; 350mA/1W; white	1 pc	98,00
0015823	A-Art LED end cap; corner pillar; alu optic; 350mA/1W; warmwhite	1 pc	98,00
0015821	A-Art LED end cap; corner pillar; alu optic; 350mA/1W; blue	1 pc	98,00
corner pillar stainless steel optic			
0015826	A-Art LED end cap; corner pillar; stainless steel optic; 350mA/1W; white	1 pc	100,00
0015827	A-Art LED end cap; corner pillar; stainless steel optic; 350mA/1W; warmwhite	1 pc	100,00
0015825	A-Art LED end cap; corner pillar; stainless steel optic; 350mA/1W; blue	1 pc	100,00

See extra page for AC adapter and RGB controller

Product images

Brief description

Most sources of light are placed in the upper parts of rooms. However, an important function of light – providing orientation and attracting attention – cannot always be optimally realised. In the floor area, it is often especially important to point out any trip hazards or steps, and to define paths. Using AmbienArt LED floor spotlights, which are installed flush-mounted into the AmbienTrack skirting boards or skirting board ducts, this function can also be mastered to perfection. They can be installed or retrofitted anytime by simply replacing the standard duct covers with panels which feature the LED floor spotlights. There are a number of combinations defined in the standard range. However, it is also possible to determine the interval and the number of spots installed individually. The floor spotlight is available in the colours white and warm white. The power is supplied and they are also activated using the 24-volt power supply unit and the controller/dimmer from the AmbientTrack range. The floor spotlights can also be used alternatively – or complementary to – the light lines as an orientation aid.

Product benefits

- Power LED technology
- Available in white and warm white
- Ideal for illuminating trip hazards or steps
- Provides orientation in hallways and corridors
- Spots create unique light reflections on the floor. (raking light)

Combinations/components

- Skirting board duct
- Skirting board

Overview of items

LED SB MODULE

Item-no.	Designation	Unit	SRP
0016001	A-Art LED module 350mA/1W; blue	1 pc	68,00
0016003	A-Art LED module 350mA/1W; warmwhite	1 pc	68,00
0016002	A-Art LED module 350mA/1W; white	1 pc	68,00

Front spot for skirting board duct on request.

Product images

Brief description

The building block principle of the entire AmbienTrack system, including the lighting components, makes it possible to create diverse lighting solutions and even individual lamps. An example of this is the pendant light, which is comprised of an AmbienTrack profile and 5 LED cubes. The LED cubes are not simply fitted onto the profile, but rather connected together using a very thin low-voltage cable, which at the same time forms the lamp pendulum. Of course, individual variations in the number of LED cubes, pendant interval and length of the pendants are very easy to implement. The LED cubes are also interchangeable on the pendant lights. The power is supplied and they are also activated using the 24-volt power supply unit and the controller/dimmer from the AmbientTrack range.

Product benefits

- Power LED technology
- Provides elegant lighting, for example above the dining table
- Pendants are interchangeable
- Number, length and interval of the pendants are individually adaptable
- Indirect ceiling lighting with RGB colour change

Overview of items

LED PENDANT LAMP

Item-no.	Designation	Unit	SRP
0016414	A-Art pendant lamp; stainless steel optic; 5 gang LED; warmwhite	1 pc	589,00
0016415	A-Art pendant lamp; stainless steel optic; 5 gang LED; warmwhite with RGB backlight	1 pc	955,00

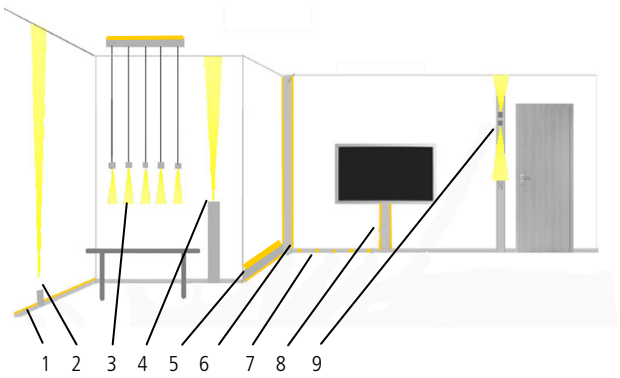
BASIC PRINCIPLE FOR THE DESIGN AND DEVELOPMENT OF THE AMBIENART LIGHTING COMPONENTS:

SYSTEM PRINCIPLE:
AmbienArt is both installation system as well as interior design element. The profiles are used as a platform for diverse lighting functions. Just a few lighting modules make a versatile application spectrum possible.

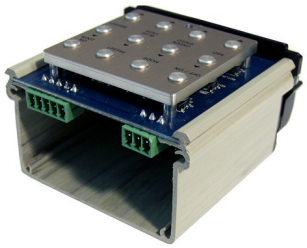
ENERGY EFFICIENCY:
State-of-the-art technology goes together with modern design. Therefore only high-quality LED light is used for the AmbienArt lighting function. LEDs are far superior to standard light sources both in energy efficiency and their fields of application. (up to 200 lm/watt)

MINIMALISTIC DESIGN:
In keeping with the AmbienTrack profiles, the AmbienArt lighting elements have been streamlined down to the essentials. Clear, right-angled geometries define the design. Connections without any change in wall thickness and as few visible joints as possible are the features distinguishing them from standard systems.

1. Skirting board light lines
2. LED wall spotlight – Device support
3. Pendant lights
4. LED wall spotlight – Pillar
5. Skirting board light line
6. Corner pillar light line (top/bottom)
7. Floor spotlight
8. Flat wall pillar light lines
9. LED cube



AMBIENART RGB-CONTROLLER

Product image	
Brief description	The AmbienArt light system is controlled by a RGB controller, which takes care of the colour setting, changing the colour or dimming the light components. The controller is elegantly integrated into the wall pillars along with the tool box and can be easily operated by remote control. The power is supplied using the 24-volt system power supply unit. The controller's user interface is very high quality and has a clear layout, and can be combined with any switches and sockets.
Purchase order items	Complete set consisting of: • Module with front plate and buttons • Remote control • Plug-in connection terminals • End section with cutouts for AmbienTrack tool box • Operating manual Versions with central panels 55x55, 64x64 and 71x71
Individual elements/scope of delivery	
Technical data	• Operating voltage: 12–24 volts • Output current: 2 amperes per channel (3 x 2 A) • Dimensions: approx. 71 x 71 x 20(13) mm • Weight: approx. 70 g
Material/Colours/Surfaces	• Front plate: Stainless steel finish
Combinations/components	Can be installed in the tool box in combination with standard switch systems.
Accessories	AmbienTrack tool box: RGB Repeater 12-24 Volt: 165x40x26mm NEW!
Handling and installation instructions	The controller must always be positioned at the upper end of the tool box.

Product benefits

- 3 channels (open collector to negative)
- 8 preset colours
- Individual adjustment of the static colour mix
- For operating voltages from 12 to 24 volts
- 2 ampere output current per channel
- Energy-saving PWM dimmer (pulse width modulation)
- 10 automatic programs
- Interval period can be set from 0.5 to 500 seconds
- Cross-fading time can be set from 0.5 to 500 seconds
- Brightness can be set from 0 to 100% in 10 levels
- Elegant control panel with 12 buttons
- Aluminium front plate in stainless steel finish
- IR remote control
- Suitable for AmbienTrack tool box
- Can be combined with other switch systems within the AmbienTrack tool box
- Available in the cutout dimensions 56x56 | 65x65 | 71x71

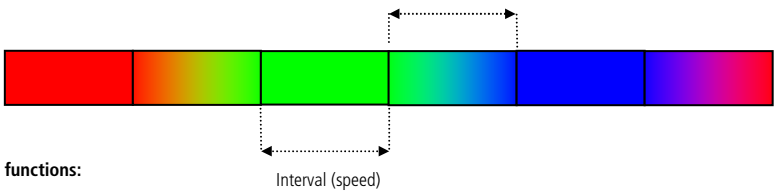
Functions

The RGB controller module features three different basic functions:

1. Preset static colour
The following eight colour mixes are stored permanently:
Red, green, blue, white, cyan, magenta, yellow, amber
These can be directly activated in succession using the remote control, or using the PRESET button on the module.

2. Individual static colour mix
Using the buttons Red, Green, Blue (using ▲ ▼ respectively), a personal favourite colour can be set.

3. Program functions
The program function features ten colour palettes for automatic colour blends. Brightness, interval and cross-fading time can each be adjusted in 10 levels.



Special functions:

1. Last call
The module saves the last setting and activates this when switched on again, even after being completely disconnected from the mains supply.

2. 100% ON
This button on the module switches all three colours/channels to 100% (white). This function is used for quick orientation.

Overview of items

RGB CONTROLLER

Item-no.	Designation	Unit	SRP
0016605	A-Art RGB controller 2432 PWM / 12-24V/3x2A / System 56; stainless steel optic	1 pc	219,00
0016606	A-Art RGB controller 2432 PWM / 12-24V/3x2A / System 65; stainless steel optic	1 pc	219,00
0016607	A-Art RGB controller 2432 PWM / 12-24V/3x2A / System 71; stainless steel optic	1 pc	219,00
0016600	A-Art RGB controller 2432 PWM / 12-24V/3x2A / PCB	1 pc	126,00
0016620	A-Art RGB repeater	1 pc	54,00

Product images

150W Adapter

100W/60W Adapter

20W Adapter

Brief description

24 volt DC mains adapter for the AmbienArt LED components.

Electrical component data

Item-No.:	**0017105**	**0017104**	**0017103**	**0017102**
Power:	150W / 6,3A	100W / 4A	60W / 2,5A	20W / 0,84A
Dimenssions:	222 x 68 x	200x68x35mm	182x62x35mm	117x34x21mm
Input		100 – 240V		
Output		24V		

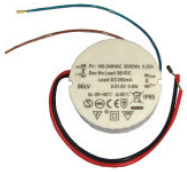
LED strip connection lengths/max. number of LED cubes

		RGB strip 7.8 W/m	**Cube 1.2 W/pc.**	**Cube 3.5 W/pc.**
AC adapter		RGB (m max.)	Monochrome (pc. max.)	RGB (pc. max.)
0017105	**150 W**	18	116	40
0017104	**100 W**	12	83	28
0017103	**60 W**	7,7	50	17
0017102	**20 W**	2	16	5

Accessories

NEW!

AC-Adapter 230V
350mA / 6W



NEW!

AC-Adapter 230V
350mA / 9W

NEW!

Power supply 100-230V AC -> 24V DC / 14W
with Y-adapter & 2xDC coupling

Overview of items

POWER SUPPLY

Item-no.	Designation	Unit	SRP
Konstantstrom 350mA			
0017001	AC adapter 230V -> 350mA / 3W	1 pc	24,75
0017002	AC adapter 230V -> 350mA / 6W	1 pc	24,75
0017003	AC adapter 230V -> 350mA / 9W / round contruction for installation socket	1 pc	24,75
Konstantspannung 24 Volt			
0017101	Power supply 100-230V AC -> 24V DC / 14W with Y-adapter & 2xDC coupling	1 pc	11,80
0017102	AC adapter 90-264V AC -> 24V DC / 0,84A / 20W	1 pc	23,50
0017103	AC adapter 90-264V AC -> 24V DC / 2,5A / 60W	1 pc	54,00
0017104	AC adapter 90-264V AC -> 24V DC / 4A / 96W	1 pc	75,00
0017105	AC adapter 90-280V AC -> 24V DC / 6,3A / 150W	1 pc	115,00

Product images

NEW!

Brief description

Complete integrated spotlights (down lights) for attractive decorative lights with high-power LEDs and integrated passive cooling. The compact dimensions enable universal use, for instance in suspended ceilings, wooden panels or plasterboards, shelves, furniture etc.

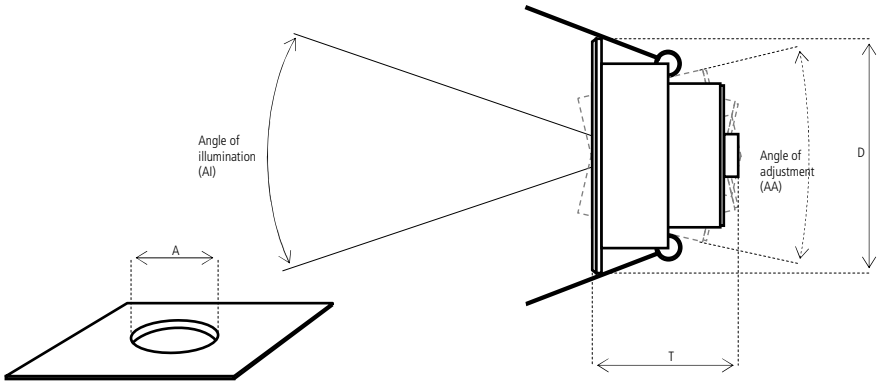
Technical data

- Energy-saving LED technology
- Integrated passive cooling
- Compact dimensions
- 25 cm connection cable with screw clamp
- Adjustable tilting angle
- High-quality lens for concentrating light
- Tension spring for easy snap in assembly

ITEM NO.	DESCRIPTION	DI	DE	IR	AA	AI	BRIGHTNES S TYPE	COLOUR TEMP.
0016201	A-type LED ceiling spotlight 350 mA/1 W WHITE	66	42	58	25°	30°	70 lm	6500 k
0016202	A-type LED ceiling spotlight 350 mA/1 W WARM WHITE	66	42	58	25°	30°	60 lm	3000 k
0016203	A-type LED ceiling spotlight 350 mA/3 x 1 W WHITE	86	40	72	25°	30°	180 lm	6500 k
0016204	A-type LED ceiling spotlight 350 mA/3 x 1 W WARM WHITE	86	40	72	25°	30°	130 lm	3000 k

DI = Diameter; DE = Depth; IR = Installation recess; AA = Angle of adjustment; AI = Angle of illumination;

Technical Drawing



Overview of items

LED DOWNLIGHTS			
Item-no.	Designation	Unit	SRP
0016201	A-Art LED downlights; swiveling 350mA/1W; white	1 pc	35,00
0016202	A-Art LED downlights; swiveling 350mA/1W; warmwhite	1 pc	35,00
0016203	A-Art LED downlights; swiveling 350mA/3 x 1W; white	1 pc	59,00
0016204	A-Art LED downlights; swiveling 350mA/3 x 1W; warmwhite	1 pc	59,00

Product images

Brief description

AmbienTone is a flat panel loudspeaker in a modified gypsum plasterboard. It is installed in drywall constructions. In very few work steps. Once connected, fitted and sealed, AmbienTone can be wallpapered over, painted and even plastered over. A coat with a thickness of up to 2 mm will result in only a minimal loss of sound quality.

Handling and installation instructions

Step 1:
Install the metal stand wall. At the corresponding positions,
make a frame construction for the AmbienTone panels, so that these can be
secured on all sides with screws.

Step 2:
Insert the soundproofing material and cover the metal stand wall with plasterboards.
Be sure to connect the AmbienTone panel before inserting it.

Step 3:
Secure the AmbienTone panel on all sides with screws. A functional test is then recommended to check the wall for vibrations.

Step 4:
Fill the gaps and smoothen them.

Step 5:
Complete the wall with a finish of your choice.
Of course, the scope of delivery also includes full assembly instructions.
The figure below provides an overview.

Technical data

	AmbienTone No.4 (60 Watt)	AmbienTone No.1 (40 Watt)	AmbienTone No.1 (100V)
• Carrier:	12,5mm plasterboard	12,5mm plasterboard	12,5mm plasterboard
• Size (H x W x D):	625 x 500 x 44mm	700 x 500 x 44mm	700 x 500 x 44mm
• Weight:	ca. 5,5kg	ca. 5,5kg	ca. 5,8kg
• System:	2-ways	2- ways	2- ways
• Version:			100 Volt
• Power handling:	60 Watts	40 Watts	25 Watts (6/12/20/25 Watts to grip)
• Impedance:	6 Ohm	4 Ohm	
• Frequency range:	80 Hz–18 kHz	80 Hz–18 kHz	80 Hz–18 kHz
• Sensitivity:	92.5 dB	85 dB (1 Watt/ 1m)	85 dB (1 Watt/ 1m)
• Max. SPL:	108 dB	102 dB	102 dB
• Dispersion angel:	H x V 180° x 180°	H x V 180° x 180°	H x V 180° x 180°
• Connection:	10m speaker cable	10m speaker cable	10m speaker cable

Overview of items

AMBIENTONE NO.4 & NO.1

Item-no.	Designation	Unit	SRP
0025004	AmbienTone No. 4 In-Wall-speaker; 2-way; 60W; 6 Ohm	1 pc	1318,90
0025004100	AmbienTone No. 4 In-Wall-speaker; 2-way; 100 Volt	1 pc	1483,90
0025001	AmbienTone No. 1 In-Wall-speaker; 2-way	1 pc	1208,90
0025001100	AmbienTone No. 1 In-Wall-speaker; 2-way; 100 Volt	1 pc	1318,90

AMBIENTONE NO. 6 | FOR INSTALLING IN SOLID WALLS

NEW!

Product images

Brief description

AmbienTone No.6 is a speaker module for invisible integration in solid walls. The flat-panel speaker constructed according to the principle of the bending wave converter. The module is embedded into a niche constructed in the wall and plastered over completely. Available as an option in a 100 V model.

Note: the design of the AmbienTone No.6 module ensures an extremely high decoupling between the membrane surface and the surrounding surface of the wall. However, structure-borne sound which spreads through the walls can still occur, depending on the construction and workmanship of the masonry. Before installing the panel, check the static function of the wall you would like to use.
.

Technical data

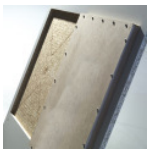
- Carrier: Foam membrane
- Size (H x W x D): 435x 570 x 45 mm
- Weight: ca. 3,5 kg
- System: 2-ways
- Power handling: 40 Watst
- Impedance: 4 Ohm
- Frequency range: 80 Hz–18 kHz
- Sensitivity: 85 dB (1 Watt / 1m)*
- Dispersion angel: H x V 180° x 180°
- Connection: 10 m speaker cable

* For 2 mm plaster approx. –2 dB

Overview of items

AMBIENTONE NO.6

Item-no.	Designation	Unit	SRP
0025006	AmbienTone No. 6 module for brick wall; 2-way; 40W; 4 Ohm	1 pc	1208,90

Product images	
Brief description	The AmbienTone No. 2 universal modules blend in indiscernably with panelling materials such as MDF, wood or chipboard. Panelling materials such as parts of a multimedia wall, or wall or ceiling cladding sections, are prepared in a way which allows the self-adhesive AmbienTone No. 2 to be installed on the back of these and the front side of the panelling material is used as a surface membrane. This means the AmbienTone No. 2 surface loudspeaker can be integrated into wood panelling, furnishings, etc., remaining out of sight and without visible joints.
Handling and installation instructions	Step 1: Reduce the panel thickness by surface milling the back to a thickness of 4 mm. The milled surface must be sanded smooth and painted to ensure optimum grip on the adhesive surface of the AmbienTone No. 2 universal module. Step 2: Remove the transport locks found on the back of the AmbienTone No. 2 universal module. Remove the silicone paper from the adhesive surface on the front. Step 3: Insert the AmbienTone No. 2 universal module into the surface milled area, making sure that the self-adhesive membrane rests against the milled surface of the panelling material. Step 4: Make sure to connect the loudspeaker before you attach the panelling material! When installing the panelling material, pay special attention that no loose parts are situated in or on the substructure or are in contact with these, and that nothing is in contact with the loudspeaker on the rear.  Of course, the scope of delivery also includes full assembly instructions. The figure below provides an overview.
Application examples	

Technical data

- Size: 435 x 570 x 40 mm (H x W x D)
- Weight: approx. 3.5 kg
- System: 2-way
- Output: 40 watts
- Impedance: 4 Ohm
- Frequency range: 80 Hz t–18 kHz; depending on surface
- Sensitivity: 85 dB (1 watt/1m); surface-dependent
- Model: Self-adhesive membrane
- Angle of illumination: H x V 180° x 180°
- Connection: 10 m loudspeaker cable

Overview of items

AMBIENTONE NO.2

Item-no.	Designation	Unit	SRP
0025002	AmbienTone No. 2; 2-way; 40W	1 pc	1065,90

Product images

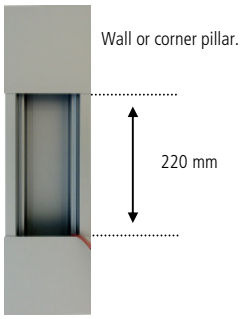
Brief description

The AmbienTone No. 3 is a Plug&Play loudspeaker for the AmbienTrack wall and corner pillars. Its elegant and unobtrusive design is perfectly suited to the AmbienTrack system. Sound engineering can now be integrated inconspicuously and appealingly into the room set-up. The pillar loudspeaker is easy to clip into the wall or corner pillar, and can be connected to standard hi-fi amplifiers or a surround receiver. It is ideal for background music, for example in the kitchen, living and dining room or in open spaces, such as galleries or restaurants. It is also designed for stereo and home cinema applications. The AmbienTone No. 3 pillar loudspeaker is available in all the standard AmbienTrack designs, aluminium and stainless steel.

Handling and installation instructions

Preparation

A prerequisite for the assembly of the AmbienTone No. 3 is the fixed installation of an AmbienTrack wall or corner pillar. Make sure than no loose parts or cables within the wall/corner pillar can cause vibrations or interference. Select the assembly height for the loudspeaker. Cut the panels of the wall/corner pillar to produce a "window" of 220 mm into which the loudspeaker can be inserted.



Connection

- Remove the transport locks (cardboard).
- Use 2 x 1.5 mm² or 2 x 2.5 mm² loudspeaker cables, e.g. from in-akustik.
- Pull the connection terminal off the loudspeaker. (Fig. 1)
- Connect the connection terminal to the loudspeaker cable already laid. Observe the correct polarity.
- Reconnect the connection terminal to the loudspeaker and fit the loudspeaker into the wall/corner pillar. (Fig. 2)
- Connect the other end of the cable to the amplifier.
- Observe the correct polarity (+/-) when connecting the cables.

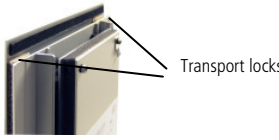
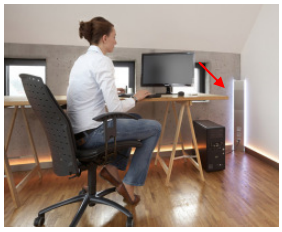
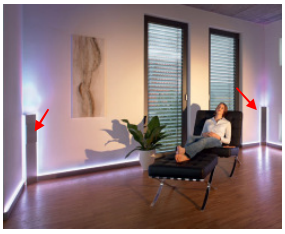


Fig. 1

Fig. 2

Of course, the scope of delivery also includes full assembly instructions. The figure below provides an overview.

Application examples

Technical data

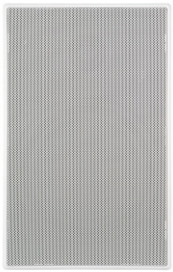
- Broadband system
- Overload protection
- In aluminium or stainless steel finish
- Size: 135 x 250 x 43 mm
- Weight: approx. 640g
- Power rating: 15 watts
- Impedance: 8 Ohm
- Frequency range: 80–18,000 Hz.
- Sensitivity: 80 dB (1 watt/1 meter)

Overview of items

AMBIENTONE NO.3

Item-no.	Designation	Unit	SRP
00208143003	AmbienTone No.3; alu optic	1 pc	429,00
00208163003	AmbienTone No.3; stainless steel optic	1 pc	429,00

Product images



Brief description

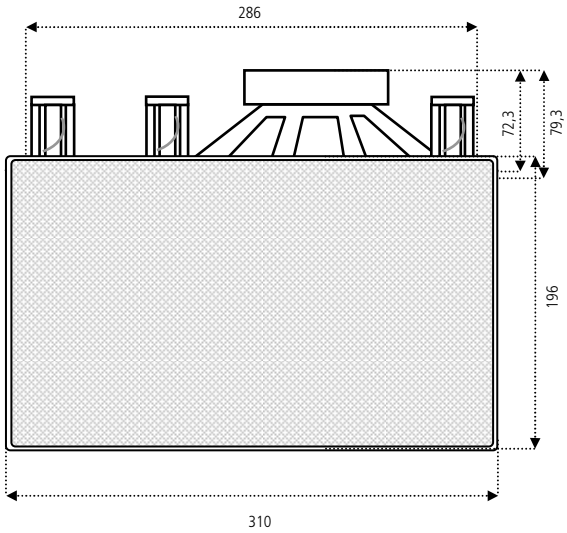
High-quality 2-way built-in loudspeaker with outstanding sound properties. The quick-lock system facilitates, and saves a lot of time during, assembly.

Purchase order items

Scope of delivery:

- 2 x loudspeakers
- 2 x cover grid
- Release hooks for the cover grids
- Installation instructions

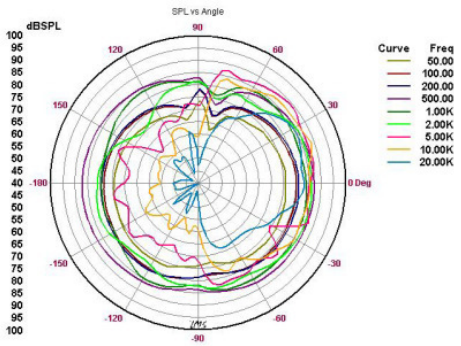
Product diagram



Technical data

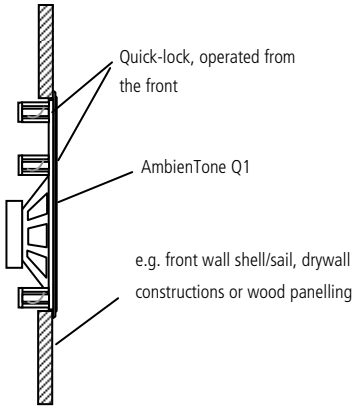
- Design: rectangular, 2-way
- Dimensions: 310 x 196 x 79.3 mm
- Cutout: 286 x 172 mm
- Installation depth: 72.3 mm
- Weight: 1420g/pc
- Sub-woofer/mid-range driver: 6 ½" (16.5 cm)
- Tweeter: 20 mm Soft Dome
- Membrane material: PP (Polypropylene)
- Tuneable: Tweeter 0 / -3 / -6 dB
- Output: 50 watts max.
- Impedance: 8 Ohm
- Sensitivity: 87 dB (1 watt/1m)
- Frequency range: 61Hz–20 kHz
- Locking: Quick-lock, operated from the front
- Conforms to CE & RoHS: yes

Technical data



Handling and installation instructions

Generally, when installing built-in loudspeakers ensure that no loose screws or other parts can vibrate in the ceiling or wall construction and cause interference.



Accessories

From the in-akustik cable range:

- 003 021 Star loudspeaker cable 2 x 1.5 mm², transparent
- 003 02198 Star loudspeaker cable 2 x 1.5 mm², transparent professional
- 00402918 Premium loudspeaker cable HALOGENFREE 2 x 1.5 mm² round, grey 100
- 004029188 Premium loudspeaker cable HALOGENFREE 2 x 1.5 mm² round, grey 500
- 008 155 Premium flexible pin 1.5 qmm–4.0 qmm bulk
- 008 1551 Premium flexible pin 1.5 qmm–4.0 qmm; set of 4, 50 pcs.

Product benefits

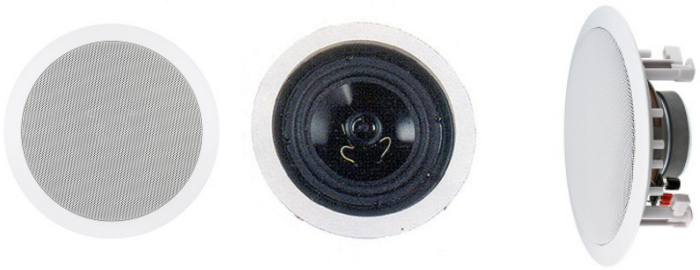
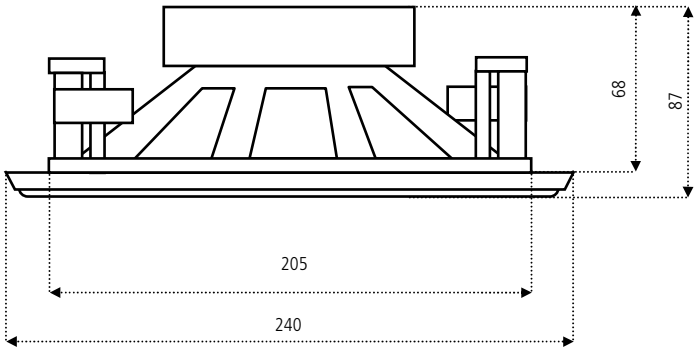
- Outstanding sound properties
- Short assembly time thanks to quick-locks
- Installation depth just 72.3 mm
- 20mm Soft Dome tweeter
- Robust polypropylene membrane
- Large frequency range
- High power rating
- Large application spectrum

Applications

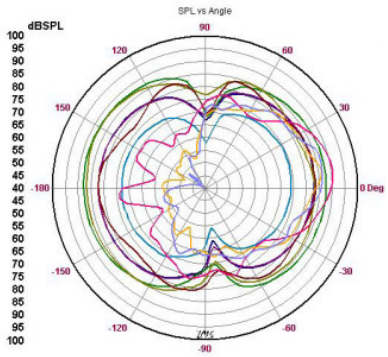
- Multi-room
- Surround systems
- Hospitality
- Public buildings
- General background sound system
- Hotels
- Schools
- Conference facilities
- Health facilities
- and much more!

Overview of items

AMBIENTONE Q1			
Item-no.	Designation	Unit	SRP
0024201	AmbienTon Q1 In-Wall speaker; 50W	1 pair	129,00

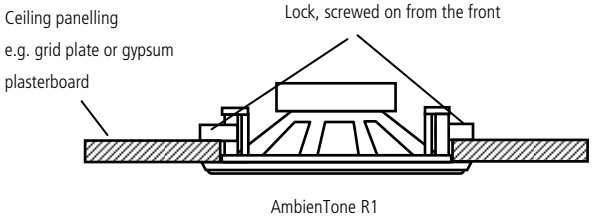
Product images	
Brief description	High-quality 2-way built-in loudspeaker for ceiling installation.
Purchase order items	Scope of delivery • 2 x loudspeakers • 2 x cover grid • Release hooks for the cover grids • Installation instructions
Product diagram	
Technical data	• Design: Round, 2-way • Dimensions: ∅ 240 mm • Cutout: ∅ 205 mm • Installation depth: 68 mm • Weight: 1080g/pc • Sub-woofer/mid-range driver: 6 ½" (16.5 cm) • Tweeter: 13 mm Dome • Membrane material: PP (Polypropylene) • Output: 50 watts max. • Impedance: 8 Ohm • Sensitivity: 86 dB (1 watt/1m) • Frequency range: 72 Hz–20 kHz • Locking: Hooks with screws accessible from the front • Conforms to CE: yes • Conforms to RoHS: yes

Technical data



Handling and installation instructions

Generally, when installing built-in loudspeakers ensure that no loose screws or other parts can vibrate in the ceiling or wall construction and cause interference.



Accessories

From the in-akustik cable range:

- 003 021 Star loudspeaker cable 2 x 1.5 mm², transparent
- 003 02198 Star loudspeaker cable 2 x 1.5 mm², transparent professional
- 00402918 Premium loudspeaker cable HALOGENFREE 2 x 1.5 mm² round, grey 100
- 004029188 Premium loudspeaker cable HALOGENFREE 2 x 1.5 mm² round, grey 500
- 008 155 Premium flexible pin 1.5 qmm–4.0 qmm bulk
- 008 1551 Premium flexible pin 1.5 qmm–4.0 qmm; set of 4, 50 pcs.

Product benefits

- Just 68mm installation depth
- Robust polypropylene membrane
- Large frequency range
- High power rating
- Large application spectrum

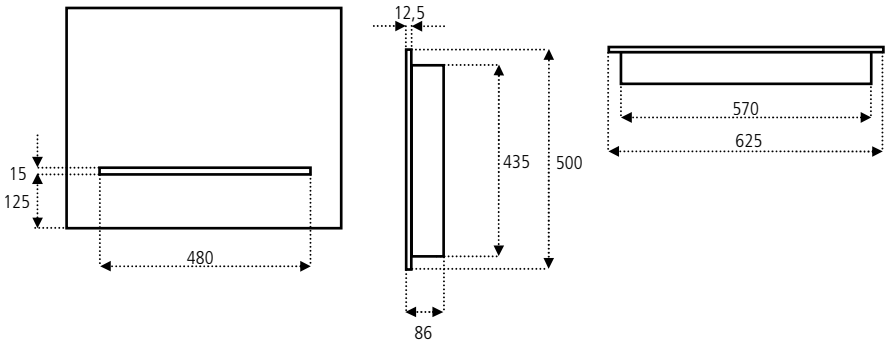
Applications

- Multi-room
- Surround systems
- Hospitality
- Public buildings
- Hotels
- Schools
- Conference facilities
- Health facilities
- General background sound system
- and much more!

Overview of items

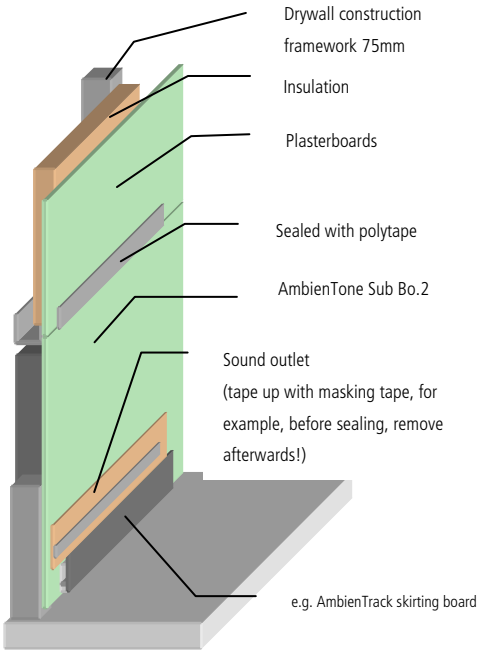
AMBIENTONE R1

Item-no.	Designation	Unit	SRP
0024001	AmbienTon R1 In-Ceiling speaker; 50W	1 pair	99,00

Product images	NEW!
Brief description	This speaker is specialized for deep bass reproduction and can be perfectly combined with the AmbienTone panels No.4, No.2, an d No.1.This hi-tech in-wall subwoofer features a very low structure-borne sound thanks to its special design. Wall vibrations and the transmission of noise to neighbouring rooms are therefore reduced to a minimum, even without additional decoupling. The front of the subwoofer consists of a gypsum plasterboard. In the same way as AmbienTone No.4, it is screwed onto the substructure of drywall constructions and plastered over flush with the surrounding plasterboard. A 10 mm narrow slit acts as a sound outlet and can be positioned inconspicuously above the skirting board or close to the ceiling. The integrated special switch enables a direct connection to a standard amplifier.
Purchase order items	Scope of delivery • Subwoofer with connection cable • Installation instructions
Product diagram	
Technical data	• Design: Passive stereo system • Dimensions: 500 x 625 x 86 mm • Cutout: 435 x 570 mm • Installation depth: 73 mm • Power rating: 2 x 100 W max. • Impedance: 2 x 6 Ohm • Sensitivity: 82 dB (1 watt/1m) • Frequency range: 38–200 Hz • Max. acoustic pressure: 108 dB (1 watt/1 m) • Frequency crossover: Integrated special cross switch • Connection: 10 m loudspeaker cable • Conforms to CE: yes • Conforms to RoHS: yes

Handling and installation instructions

Generally, when installing built-in loudspeakers ensure that no loose screws or other parts can vibrate in the ceiling or wall construction and cause interference.
Tape up the sound outlet slit, e.g. with masking tape, before sealing to prevent any compound from entering the subwoofer. Remove the masking tape after sealing and sanding smooth.



Accessories

From the in-akustik cable range:

- 003 021 Star loudspeaker cable 2 x 1.5 mm², transparent
- 003 02198 Star loudspeaker cable 2 x 1.5 mm², transparent professional
- 00402918 Premium loudspeaker cable HALOGENFREE 2 x 1.5 mm² round, grey 100
- 004029188 Premium loudspeaker cable HALOGENFREE 2 x 1.5 mm² round, grey 500
- 008 155 Premium flexible pin 1.5 qmm–4.0 qmm bulk
- 008 1551 Premium flexible pin 1.5 qmm–4.0 qmm; set of 4, 50 pcs.

Product benefits

- Virtually invisible subwoofer system
- Low structure-borne sound
- Driver unit can be exchanged for servicing
- Width in standard drywall dimensions 625mm
- Easy installation in normal drywall constructions

Applications

- Bass loudspeaker for integration into drywall constructions
- Perfect bass tone support e.g. for AmbienTone No. 4, e.g. for
- Multi-room
- Surround systems
- Hospitality | Bar | Hotel
- Conference facilities
- Health facilities
- and much more!

Overview of items

AMBIENTONE SUB NO.2

Item-no.	Designation	Unit	SRP
0025201	AmbienTone Sub No.2	1 pc	1999,00

PLANNING PROCESS FOR HOUSE BUILDING

General challenges for the contractor while planning the construction of a house:

Many decisions to be made in a very short time. You can't know today what tomorrow will bring. You can't be an expert at everything, and so you have to ask a specialist and, in other respects, do it "the way it's always be done".

For electrical installation this means: laying the cables in-wall, possibly even with empty conduits.

Consequence:

- Too few sockets and multimedia connections.
- Or more sockets planned than are actually needed later.
- Many sockets disappear behind furniture and are never used.
- Sockets are often in the wrong place and can be hard to reach.
- Even small changes involve a great deal of renovating work, combined with dust and dirt.
- Subsequent creative opportunities, e.g. using light, are severely limited.
- Building materials such as wood or concrete make slitting the walls difficult.
- Several power boards are often connected to one wall socket, so that the cables are overloaded. This leads to a fire danger*.
- Cables lie around, and power strips collect dust and are trip hazards.
- Installation options for additional devices, e.g. ISDN, NTBA, DSL splitters or modems are missing, so that these extra devices often just lie around.

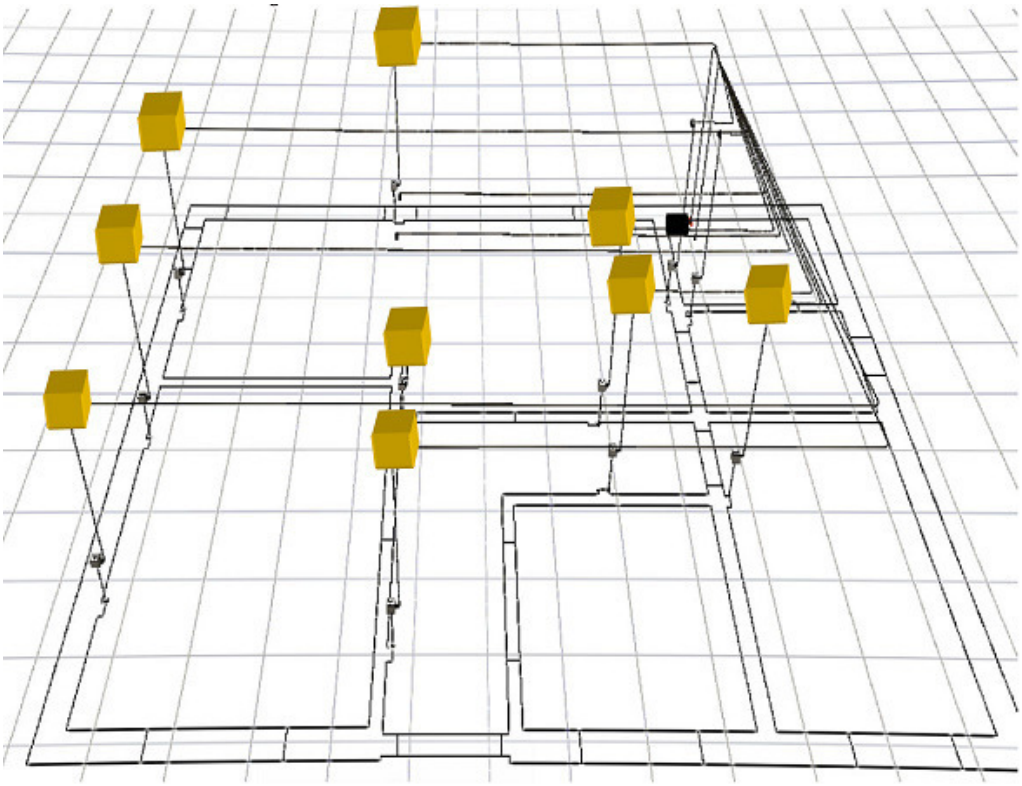
*According to studies by the German Insurance Association, about one in every eight home fires is caused by electricity, or by electrical cables becoming trip hazards.

AMBIENTRACK – A NEW LEVEL OF FREEDOM WHEN PLANNING AN ELECTRICAL INSTALLATION

For the first time, AmbienTrack offers a way to prepare an entire building with a simple, universal planning concept for all future requirements, without having to know exactly at the time of planning and initial installation exactly what goes where or will be needed in the future.

This concept involves laying a three-phase power cable (NYM 5x2.5²) as well as 2 to 3 data cables leading from the mains distributor into every room, which will, for the time being, end in the AmbienTrack pillars (in the tool boxes). This base installation is normally routed via the ceiling, walls or floor, and that will not change. This principle corresponds to the new house cabling standard EN50173-4.

The basic cabling ends in tool boxes within the AmbienTrack pillars, which are used as interfaces for 230-volt and data networks. From here the transition to flexible, freely modifiable cabling begins.



The installation is guided through the AmbienTrack ducts within a room. They provide sufficient space for the installation of switches, sensors and sockets, telephone and computer connections, electronic modules as well as lighting elements and even loudspeakers. The ducts can lead along the walls, or be installed flush with the walls.

Later changes are merely a matter of opening the cover, inserting the new components and replacing a few panels, at the most. And all of that functions without drilling and clouds of dust.

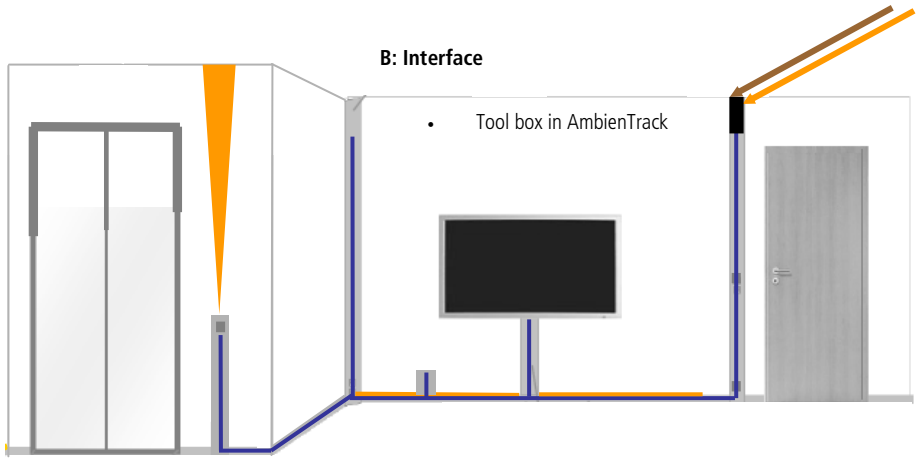
UNIVERSAL PLANNING CONCEPT – IN 2 LEVELS.

1) Basic cabling – does not need to be changed

2) Adding cabling flexibly – which can be changed within AmbienTrack at any time

A: Basic cabling

- NYM 5x2.5²
- 2–3 network cable cat. 6
- if needed, coax cable



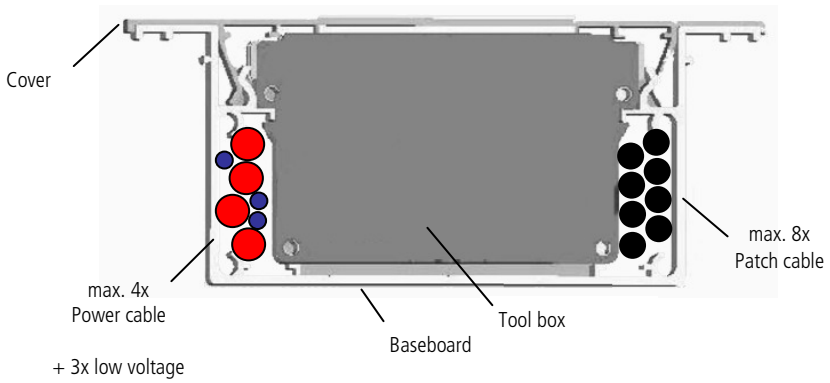
C: Adding cabling flexibly in AmbienTrack

- 230 volt mains
- Data and TV network
- 24 volt LED power supply
- Bus
- Multimedia network

EXAMPLE

There are defined functional zones provided in the media pillar according to requirements. These can be activated anytime.

Cable configuration capacity of the wall pillar

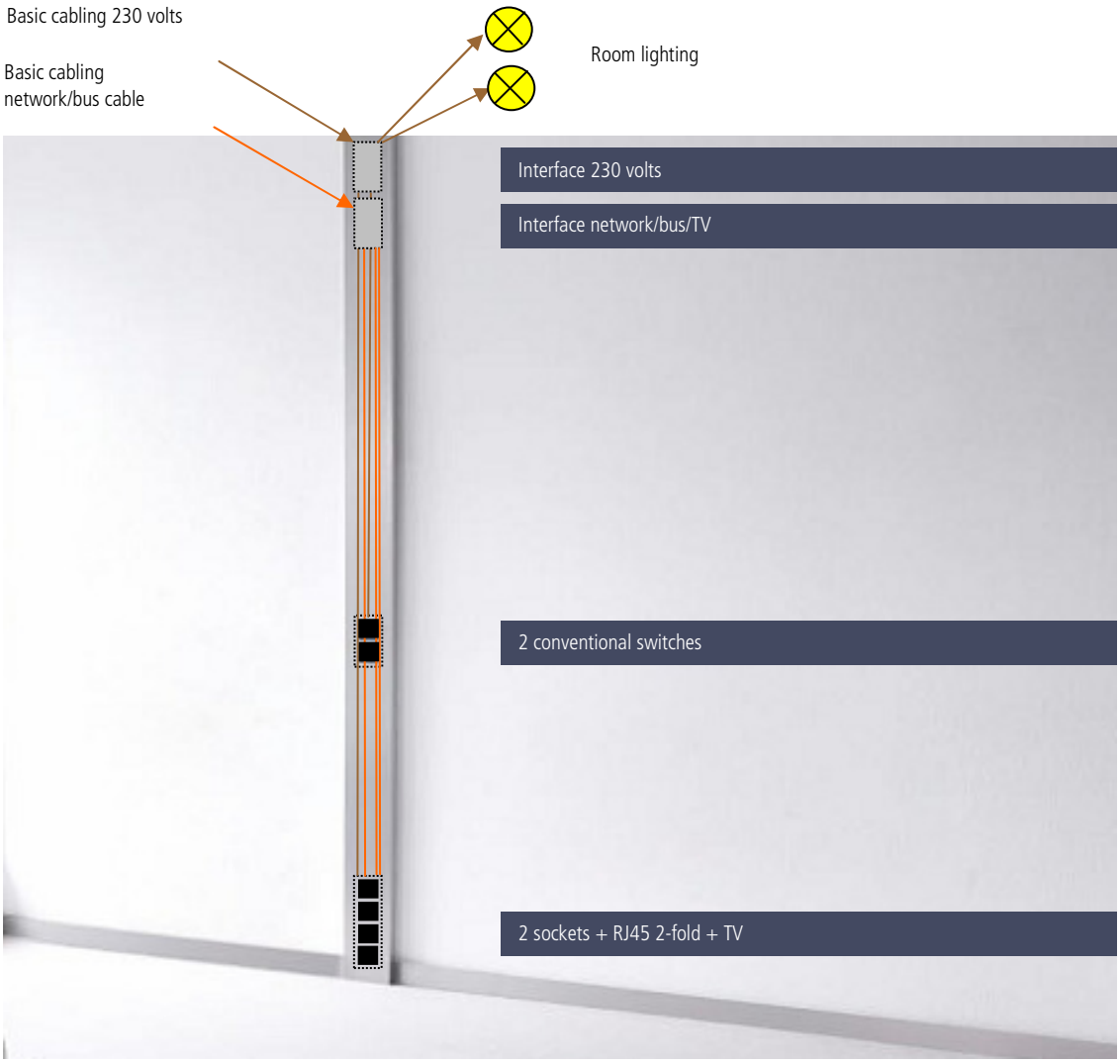


START

- Basic cabling (230 volt network/bus) ends in the AmbienTrack pillar (tool box as distributor box)
- The room's light cabling begins in the media pillar (tool box)
- Conv. light switch switches on room lighting (cabling with distributor box)
- Sockets are connected to 230 volts (cabling with distributor box)

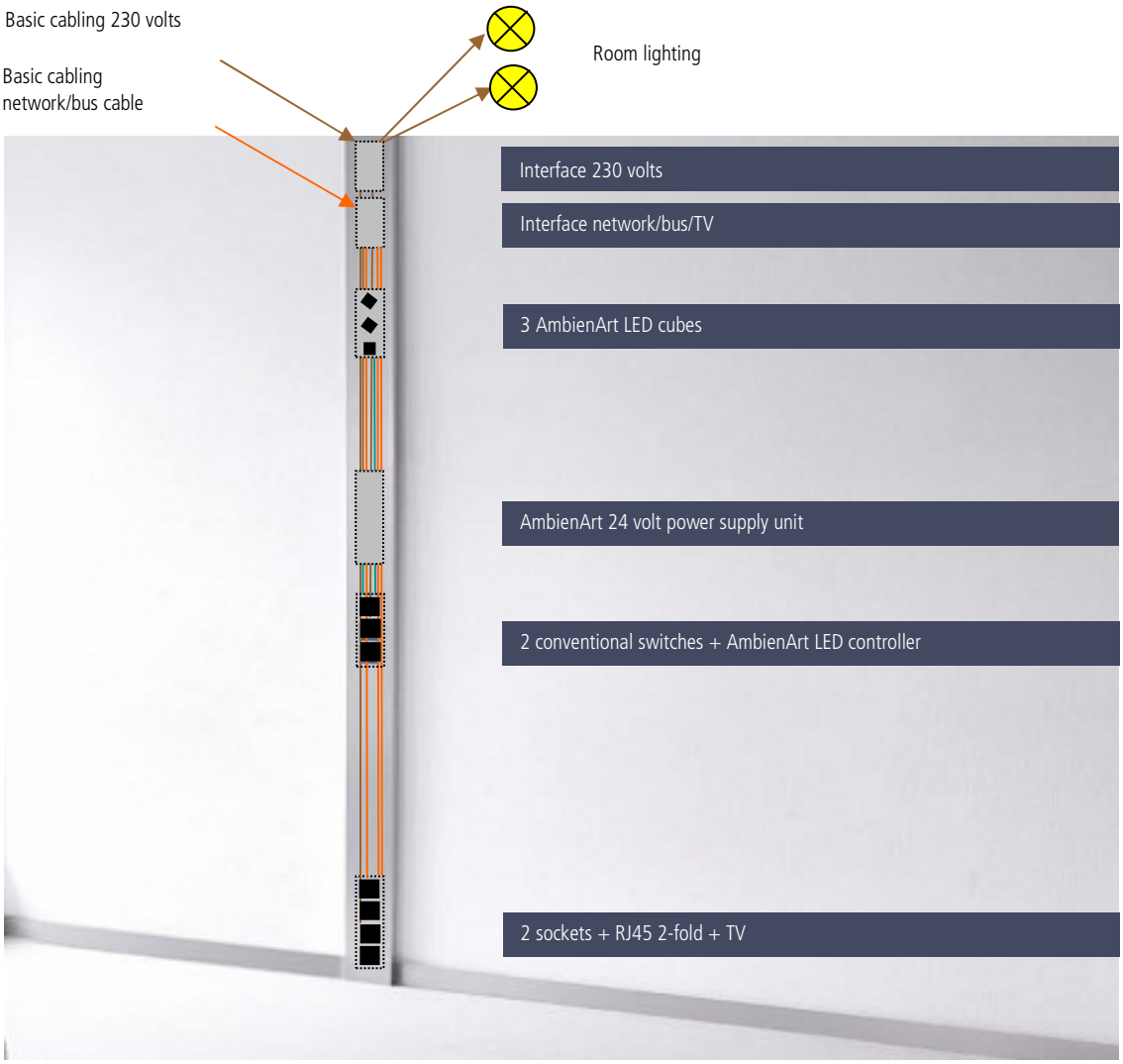
NETWORK EXPANSION

- RJ45 and TV connection sockets are connected to the home network
- Replacement of an AmbienTrack panel as well as a tool box (2-fold -> 4-fold)
- Simple network cabling within the AmbienTrack pillar



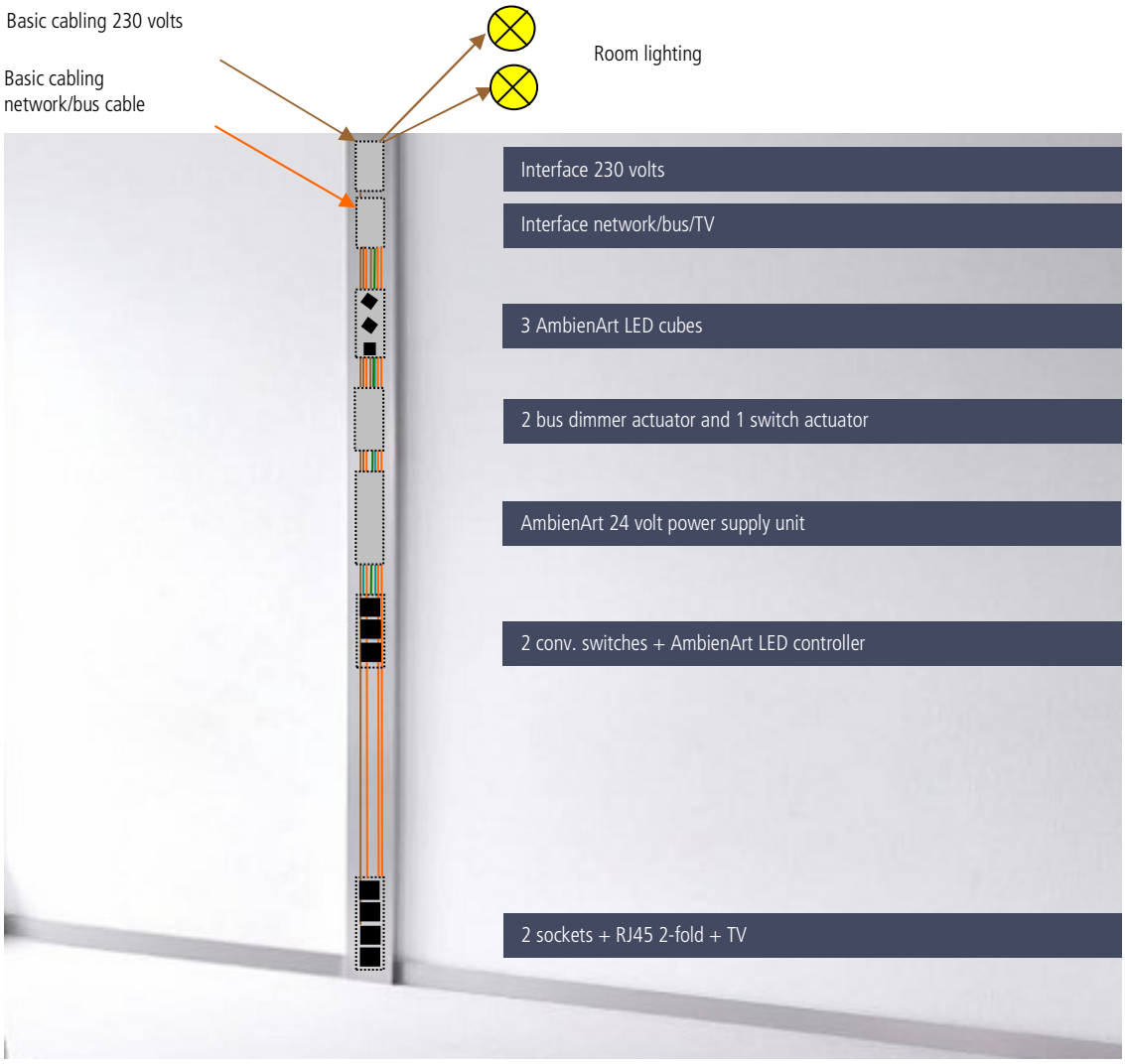
ADDING A WALL SPOTLIGHT WITH RGB CONTROL

- 2 AmbienArt LED cubes are installed additionally
- Connect AmbienArt 24 DC power supply unit to the 230 volt distributor box
- Install AmbienArt controller in the tool box and connect to the power supply unit. (Replace tool box and panel; 2-fold -> 3-fold)
- Connect AmbienArt LED circuit electronics to the controller
- Place AmbienArt LED cube on top (replace panel)



ADDING INTELLIGENT BUS TECHNOLOGY (CENTRAL CONTROL + LIGHTING SCENARIOS)

- Connect bus cable to distributor box
- Replace conventional switches with bus buttons and connect to bus cable
- Install 2 bus dimmer actuators as well as a switch actuator in the tool box and connect to the bus cable
- Guide 230 volt cabling from distributor box to the dimmer and switch actuators

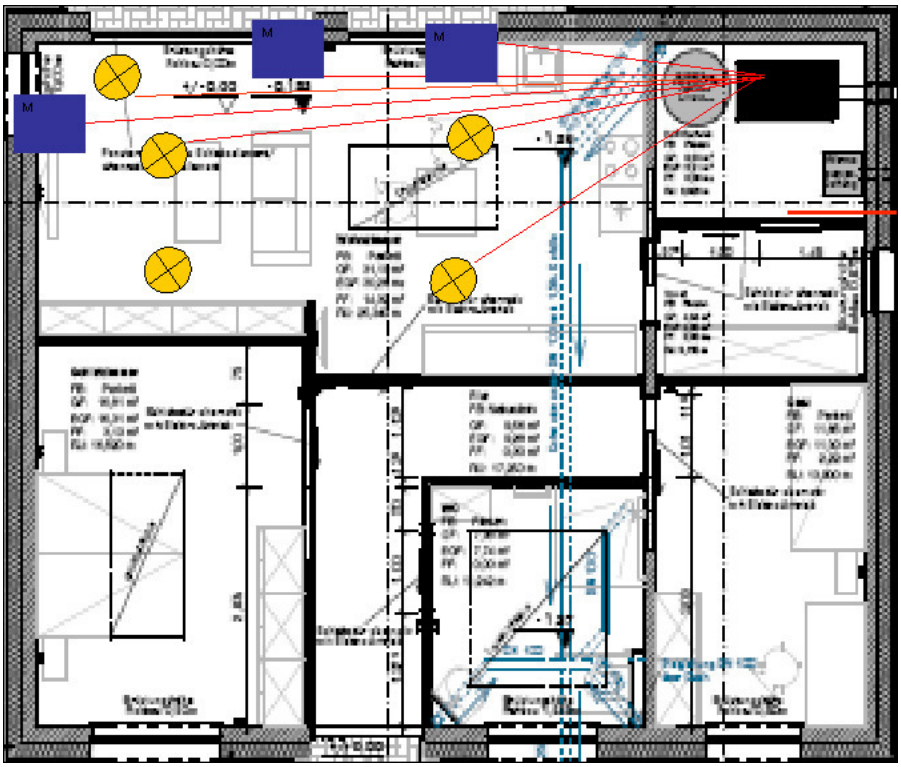


INTELLIGENT BUILDING CONTROL WITH BUS SYSTEMS, E.G KNX

➢ Central installation of the bus control electronics in the distributor box

Usual installation method:

- All consumer groups (lights, motors) are switched from a central point.
- Most switch actuators are located in the house and storey manifold.
- A very large amount of cable – min. one cable per switch group (lights, motor...), and additional bus and network cables, will accumulate.
- Exact and detailed planning is required, as the installation position of lights and motors must be finalised for the cabling.
- Subsequent changes to position are extremely time-consuming



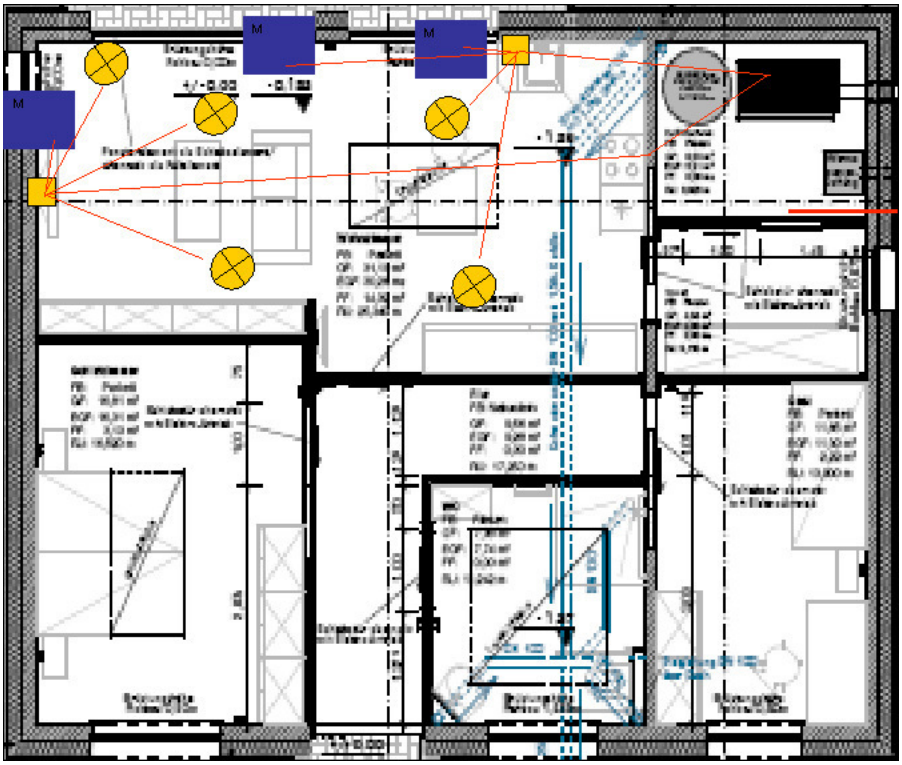
Bus actuators in the central distributor:

Using a living room as an example, the problem of cable accumulation when all actuators for controlling the consumers are in a central distributor is easy to recognise. Construction problems are pre-programmed. Subsequent additions, e.g. electric blinds, required a great deal of work.

AMBIENTRACK – DECENTRALISED INSTALLATION OF THE BUS CONTROL ELECTRONICS IN THE WALL OR CORNER PILLARS

- Accessible installation zones in every room
- Decentralised control electronics – close to the consumers.

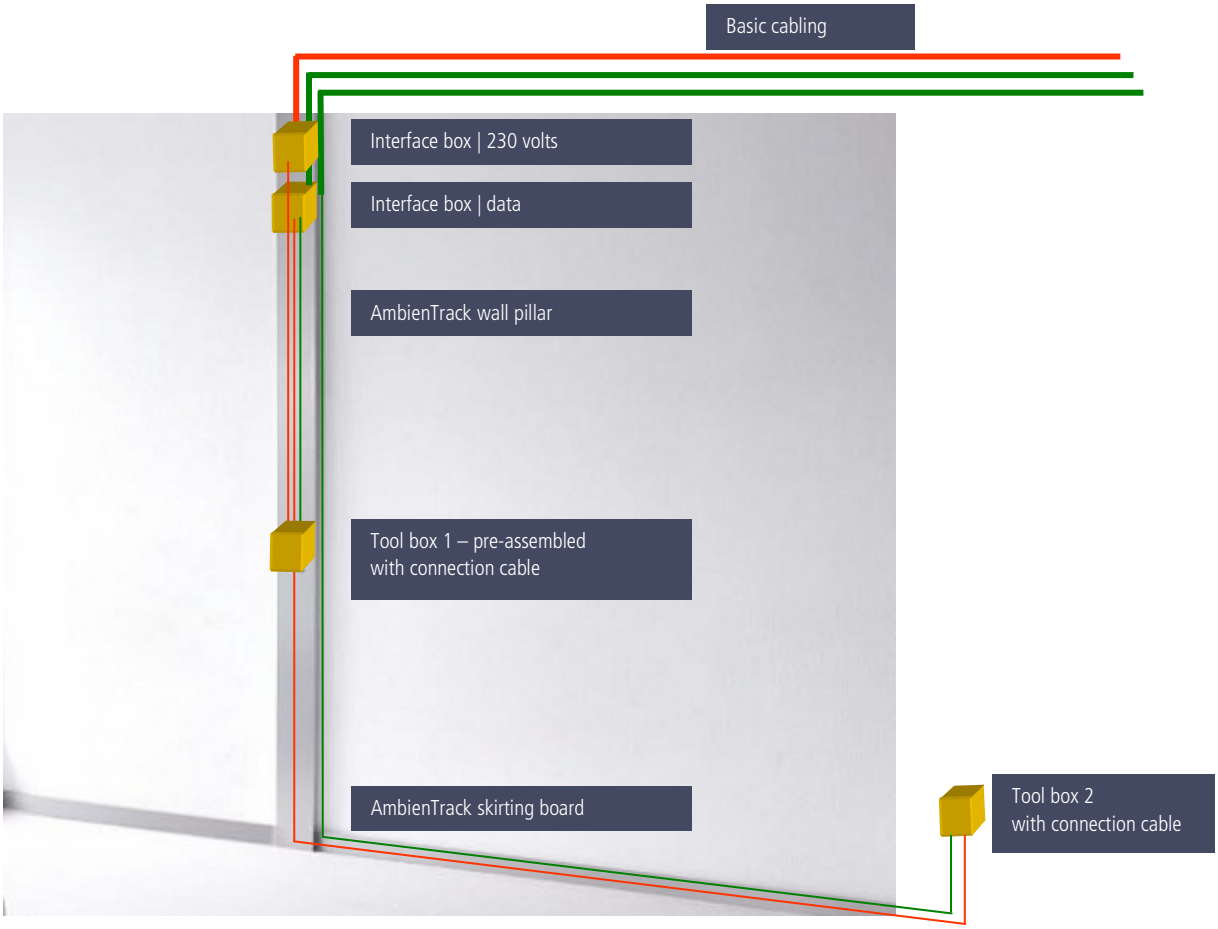
- All consumer groups (lights, motors...) are switched from a central point in the rooms.
- The switch actuators are placed close to the consumers in the rooms – short paths to the consumers. Less need for space in the distributor box – no problems when upgrading.
- Bus buttons and sensors are installed in AmbienTrack.
- Additional sources of light on the AmbienTrack pillars – also possible later on.
- Variable sockets, even after furnishing.
- Minimal accumulation of cables – only one power and one bus cable, plus 1 to 2 network cables per room
- Standardised overall planning, regardless of the actual connection points.
- Subsequent positional changes are quick and easy, without dust and dirt.



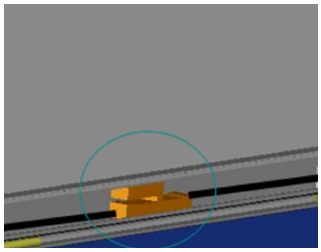
Bus actuators decentralised in AmbienTrack:

The decentral concept means that the cable volume can be reduced by more than 50%. Subsequent additions are possible any time, as the room required for housing the actuators is provided in the AmbienTrack duct.

PLUG&PLAY INSTALLATION



The 230-volt and data interface boxes are installed in the wall pillar. The tool boxes, with pre-assembled connection cables for power and data, are also installed in the wall pillar. The connection cables are plugged into the interface boxes. The cables are guided within the skirting board on to the other tool boxes. The asymmetrical structure of the skirting board means there is enough room within the skirting board to join together the connection cables.



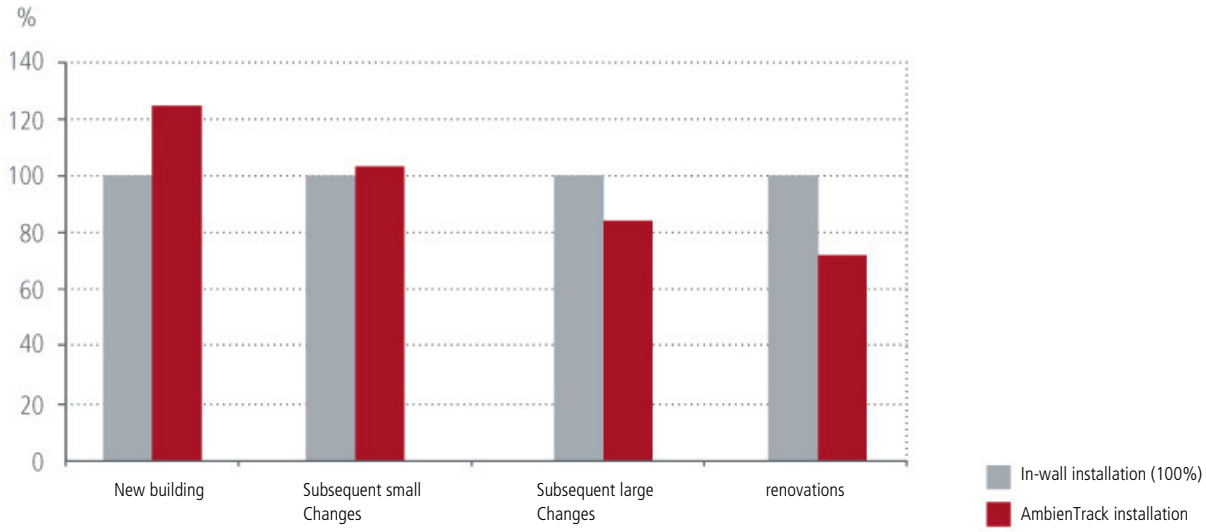
Extension of the connection cable in the skirting board

Tool box with pre-assembled connection cable

THE COMPARISON PROVES: AMBIENTRACK PAYS OFF!

Cable ducts made of aluminium? How much does that cost? Not that much – as the direct comparison shows. AmbienTrack may be somewhat more expensive in comparison to standard installations when first installed, however even small changes reverse the ratio. Sockets which are added later or repositioned, or newly installed cables, quickly counterbalance the costs. When it comes to larger improvements, such as installing a flat screen TV, additional switches or wall spotlights, AmbienTrack is not just faster to retrofit, but also up to 30% cheaper than in-wall installation. And that also applies for the renovation of electrical installations in old buildings. In short: if you think in the long term, you're better off choosing AmbienTrack.

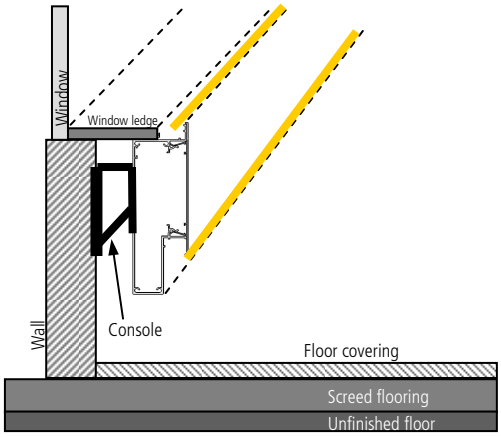
And another thing: If you wish to equip your own home with intelligent building automatisation technology, with AmbienTrack you'll benefit from having most control components installed in the AmbienTrack ducts, and therefore making decentralised distribution in the building possible. That reduces the overall cabling work, as the switch groups are always positioned close to the consumers. No long expanses of cable, no accumulation of cables around the distributor – everything is at hand, as well as direct access to the entire control electronics via AmbienTrack. It couldn't be easier!



Economic efficiency: Summary:

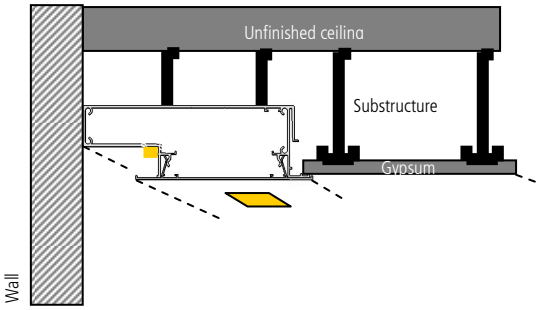
- For a new building, an in-wall installation is only cheaper in the short term.
- Even a small change will lead to virtually the same costs.
- For larger changes, the flexibility of duct installation pays off.
- A duct installation is considerably cheaper when electrical installations have to be modernised.

SKIRTING BOARD DUCT AS A SIDE RAIL DUCT:



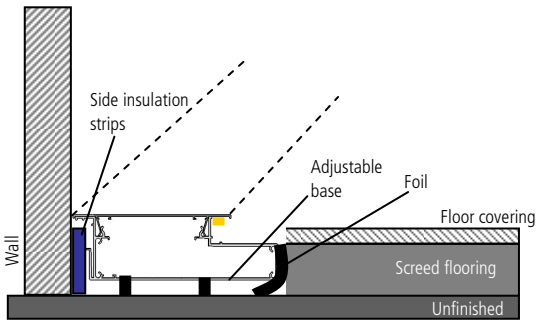
- Console installation
- Installation of skirting board duct, lower part
- Floor covering
- Wall plaster/wall paper
- Installation floor duct, upper part

SKIRTING BOARD DUCT AS A CEILING DUCT:



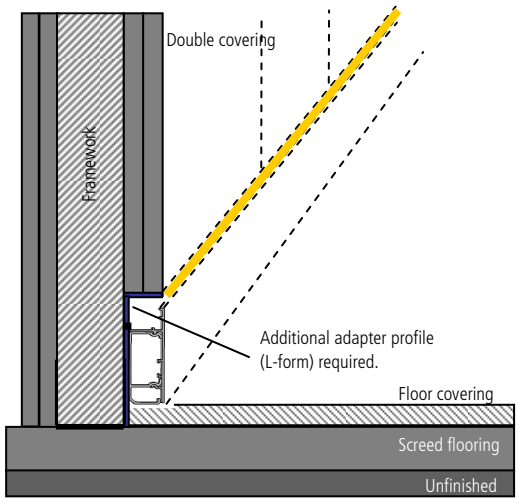
- Substructure installation/suspension
- Gypsum plasterboard ceiling installation
- Floor duct, lower part installation
- Ceiling paintwork
- Installation floor duct, upper part

SKIRTING BOARD DUCT AS A FLOOR DUCT:



- Side insulation strips
- Floor duct, lower part installation
- Foil
- Casting screed flooring
- Floor covering
- Installation floor duct, upper part

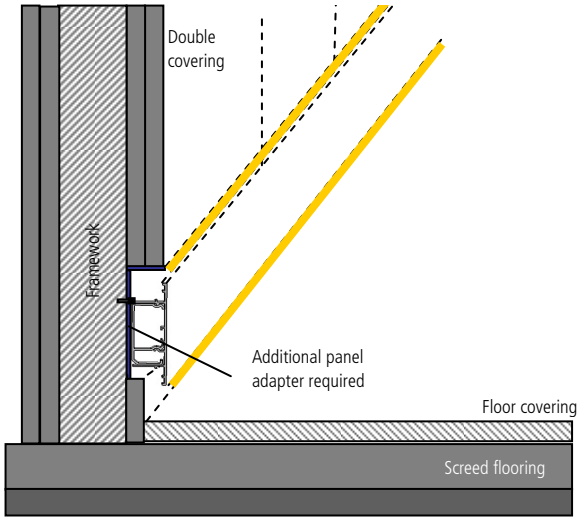
SKIRTING BOARD INTEGRATED IN DRYWALL CONSTRUCTIONS:



- Wall construction on screed flooring
- Erecting the upright profile
- Installation adapter
- Affixing the gypsum plasterboards
- Floor covering
- Installation of skirting board duct, lower part
- Wall plaster/wall paper
- Installation of skirting board duct, upper part

COMPACT WALL PILLAR INTEGRATED IN A DRYWALL CONSTRUCTION:

Plasma duct | Shadow gap

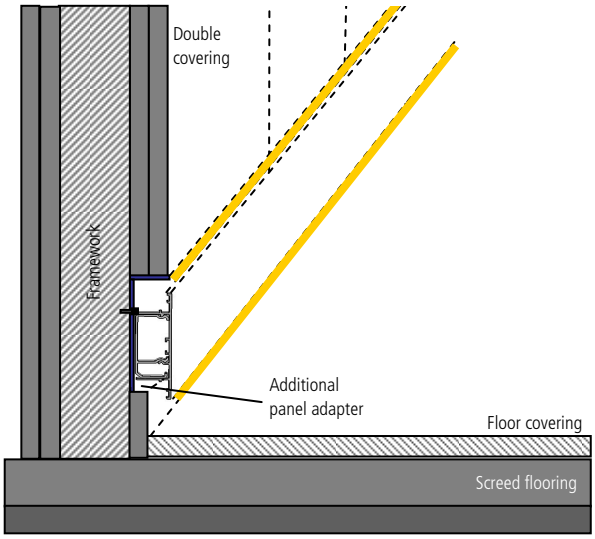


Wall construction on screed flooring

1. Erecting the upright profile
- Installation adapter
- Affixing the gypsum plasterboards
- Floor covering
- Baseboard installation
- Wall plaster/wall paper
- Cover installation

COMPACT WALL PILLAR INTEGRATED IN A DRYWALL CONSTRUCTION

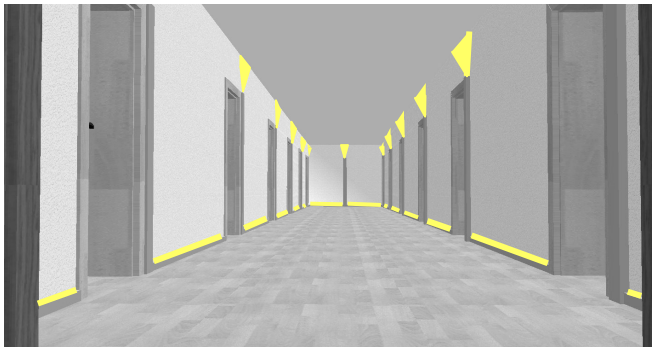
Plasma duct | flush with joint



Wall structure on the floor covering

1. Floor covering
- Erecting the upright profile
- Installation adapter
- Affixing the gypsum plasterboards
- Plasma duct lower section installation
- Wall plaster/wall paper
- Plasma duct upper section installation

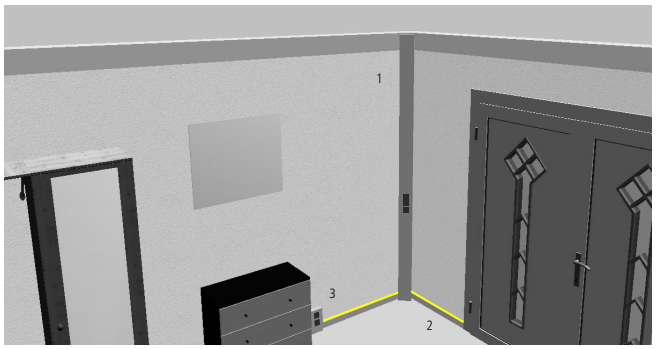
HOTEL HALL SOLUTION SCENARIO



- AmbienTrack wall pillars with integrated control units for a hotel room
- AmbienTrack wall pillars with wall spotlight for indirect ceiling lighting
- AmbienTrack skirting board with orientation light

- AmbienTrack wall pillars
- Room numbering (illuminated)
- Socket for cleaning staff

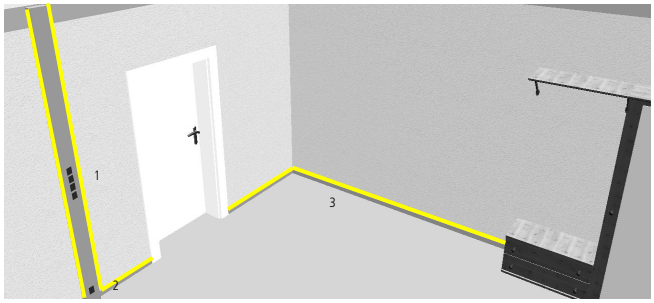
FOYER SOLUTION SCENARIO



1) AmbienTrack corner pillar as an installation shaft from the cellar to the attic with:
   - Bus button – Central off
   - Bus button – Hall/exterior light
   - Motion sensor

2) AmbienTrack tool box with:
   - Sockets
   - Telephone connection

3) AmbienTrack skirting board with orientation light



1) AmbienTrack wall pillar with:
   - Bus button – Central lights/blinds
   - Video intercom

2) AmbienTrack wall pillar with:
   - Socket for cleaning equipment
   - LED strip for accent lighting

3) AmbienTrack skirting board with orientation light

LIVING ROOM SOLUTION SCENARIO

1) AmbienTone No. 1 for the front loudspeaker for the Dolby Surround System.

2) AmbienTrack wall pillar, flat, for LCD cabling

3) AmbienTrack skirting board with AmbienArt LED strip for room effects light

4) AmbienTrack wall pillar with:

- Interfaces for 230 volts and network
- AmbienArt LED cube for indirect ceiling lighting and accent lighting
- AmbienArt LED strip for room effect lighting
- AmbienTone No. 3 as a rear channel loudspeaker for the Dolby Surround System
- AmbientArt RGB controller
- Bus room control device for light scenarios, blinds and temperature regulation
- Socket for cleaning equipment

5) AmbienTrack wall pillar, half room height, with:

- Sockets for TV receiver, hi-fi system, floor lamp
- Coax and network connection for TV receiver
- HDMI connection for cabling to the LCD TV
- Audio jacks for loudspeaker cabling

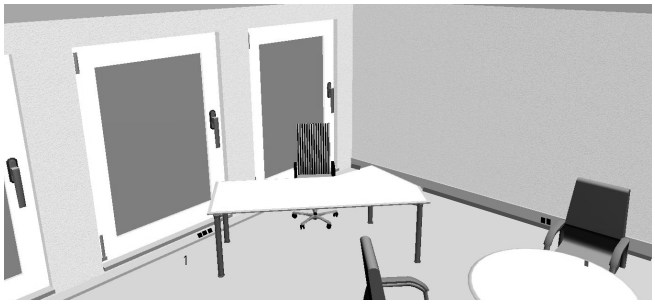
6) AmbienTrack wall pillar with:

- Bus control units for the motor powering the blinds, and lights
- AmbienTone No. 3 as a rear channel loudspeaker for the Dolby Surround System
- Bus button for blinds, terrace lighting and lighting scenes
- Sockets + audio connection for subwoofer

7) AmbienTrack wall pillar with:

- AmbienArt LED cube for indirect ceiling lighting
- AmbienArt LED cube for object illumination

OFFICE SOLUTION SCENARIO



1) AmbienTrack skirting board duct installed in the screed flooring, with sockets and network connections for double workplaces, blind control electronics for automatic shading.

ABOUT LIGHT:

Light has an influence on our lives in numerous ways. Colours express emotions and moods, dynamic colour temperatures influence our biorhythms, the transition from light and dark creates suspense, light points and lines focus our attention and the lighting level influences our powers of concentration. Furthermore, light is a design factor and stylistic device for architecture. In contrast, monotonous light, for example, rapidly causes fatigue and boredom, glare can disrupt our sense of well-being and insufficient light or gloom hinders orientation and provokes insecurity. It is therefore both worthwhile and important to use light to have the most positive impact possible on people, especially in buildings and rooms in which people frequently spend long periods.

CURRENT SITUATION:

Unfortunately, previous lighting solutions in residential buildings often only consist of providing one light in the middle of the ceiling for each room, possibly a lamp hanging above the dining table. This produces a general light at best, but the opportunities which light offers to produce positive effects in rooms are sadly neglected. When you wish to realise additional lighting solutions at a later point in time, it often runs into trouble due to the lack of available power connections.

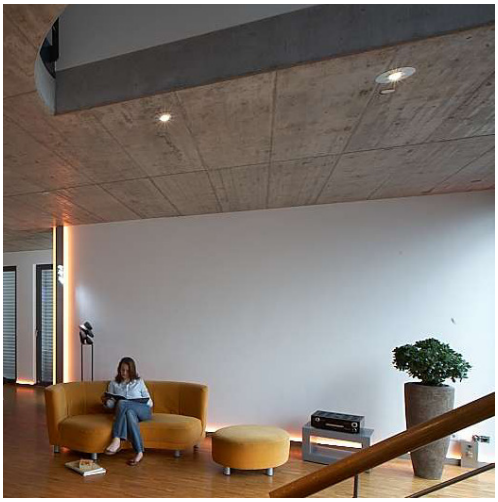
TASKS WHEN PLANNING LIGHTS:

Basic illumination:
The basic illumination creates a background light in the entire room or in individual areas, so that the room is always appropriately and evenly lit for its current use (correct amount of light can be regulated, glare-free, no shadows, colour temperature...)

Accent lighting:
Accent lighting allows the eye's focus to be guided, creating a variety of different moods. It is possible to play with light and shade and to create dynamic changes of colour, or to illuminate specific objects.

Lamp choice:
The choice of lamps should underline the general architecture of the room, without placing the actual lamps too prominantly in the foreground. Material and design play an important role in doing so.

To fulfil these tasks, several different sources of light are required, which must be arranged in the right positions (ceiling and walls).



Basic illumination:

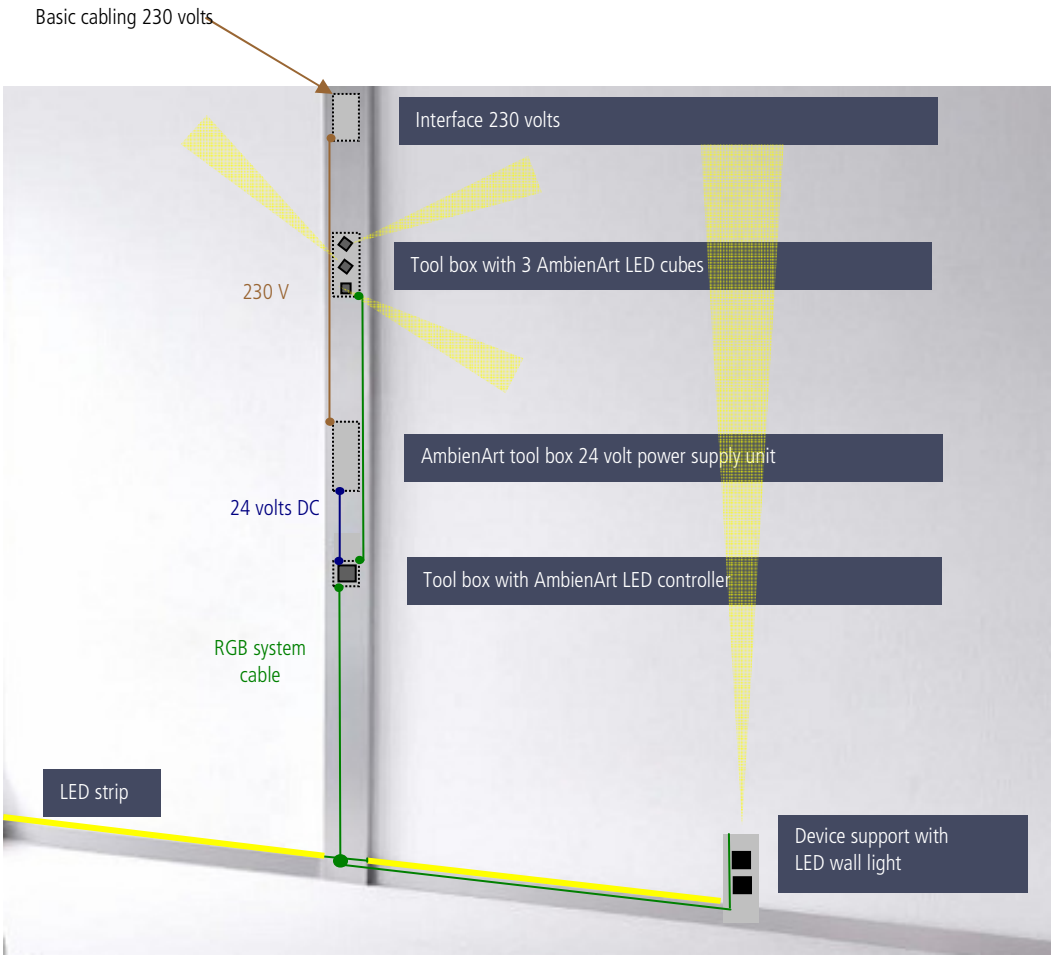
Accent light:

Lamp choice

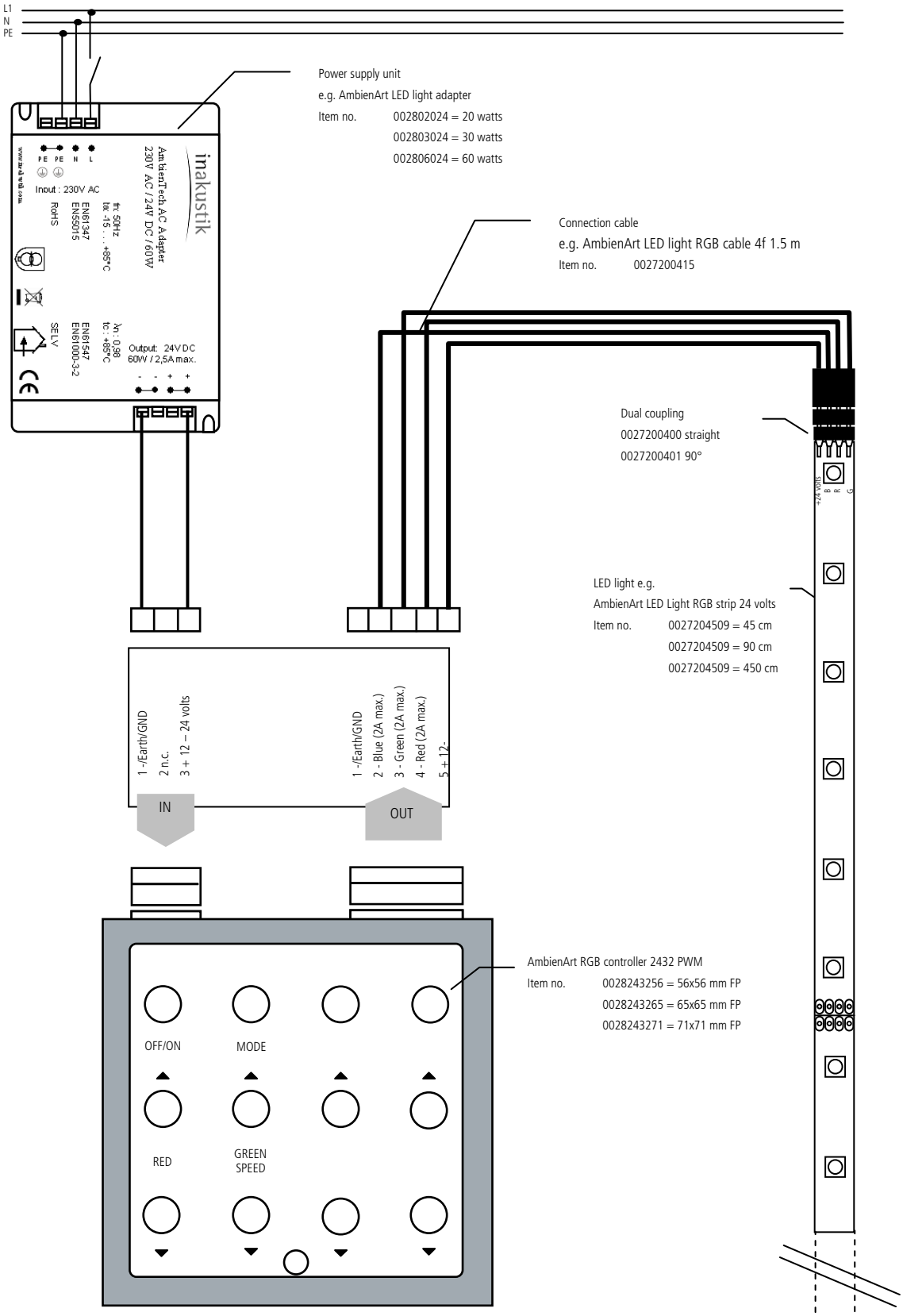
BASIC CABLING

All lighting components in the AmbienArt system are supplied using 24 volt DC. The LED circuit electronics are pre-assembled in the tool boxes. The system connection plugs are easily accessible at the end section of the tool box.

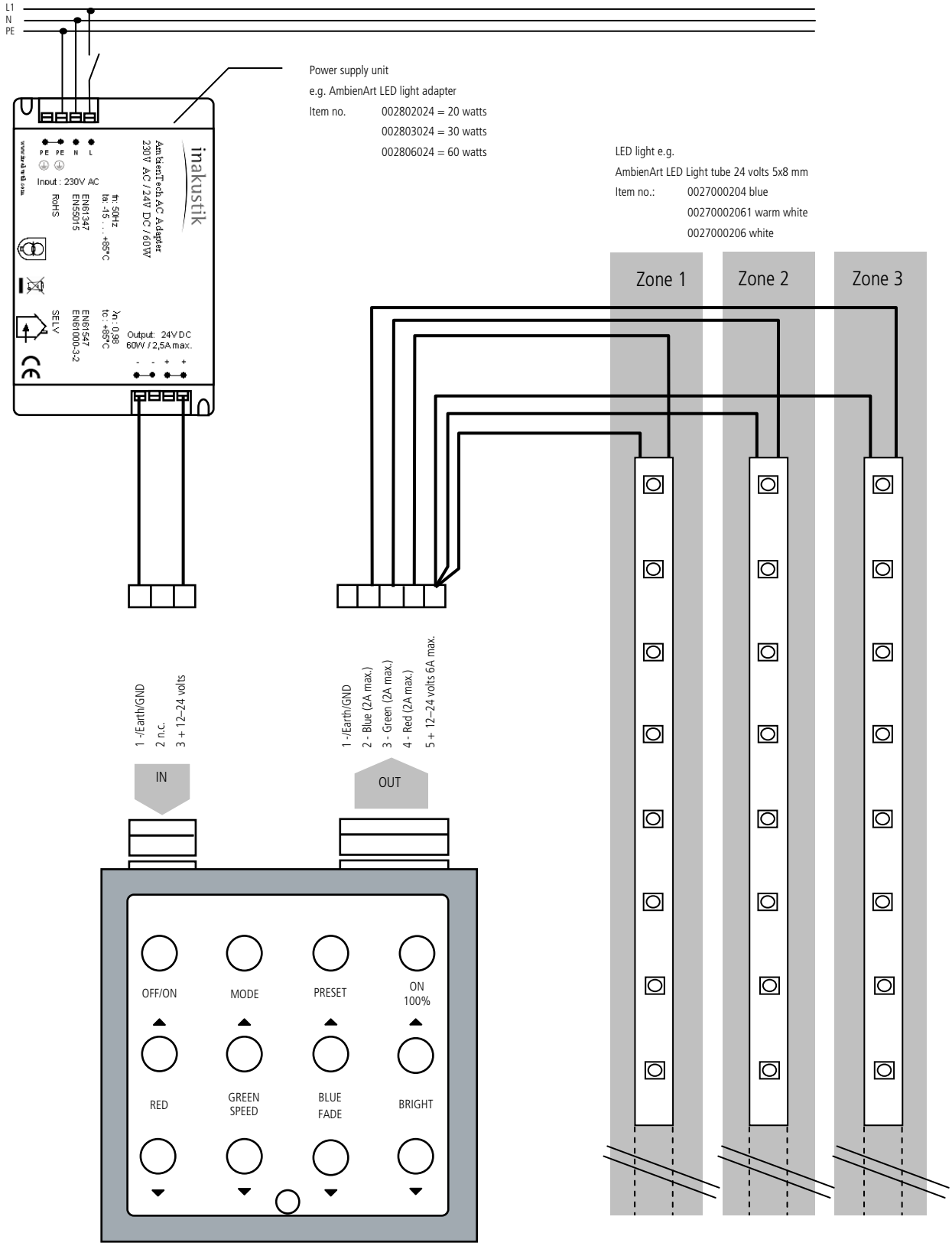
Dimming, or RGB control for the AmbienArt light components, is possible using the system controller. All AmbienArt light components are connected to the controller using the quadripole RGB system cable.



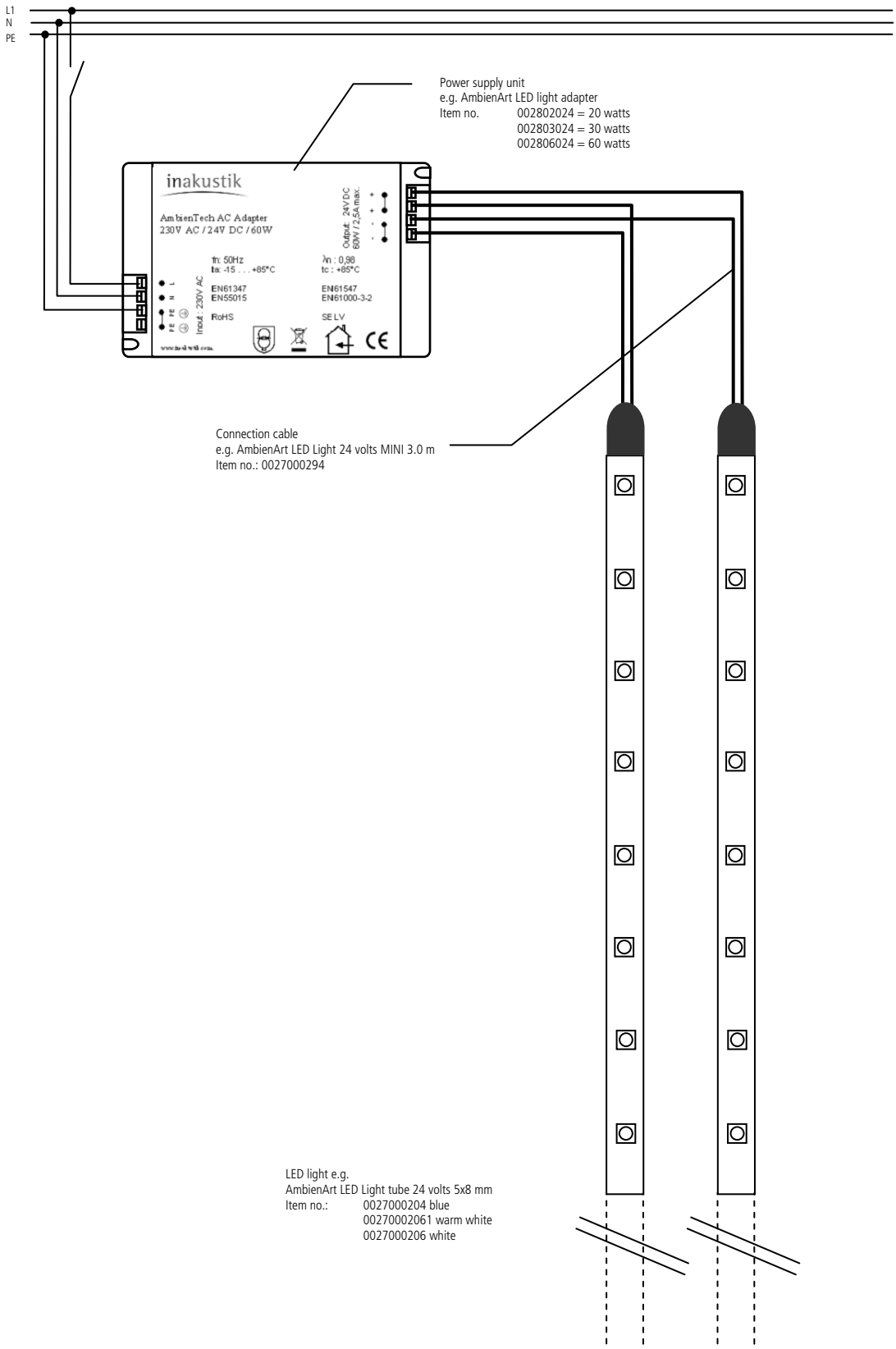
CONNECTION EXAMPLE RGB LED STRIP



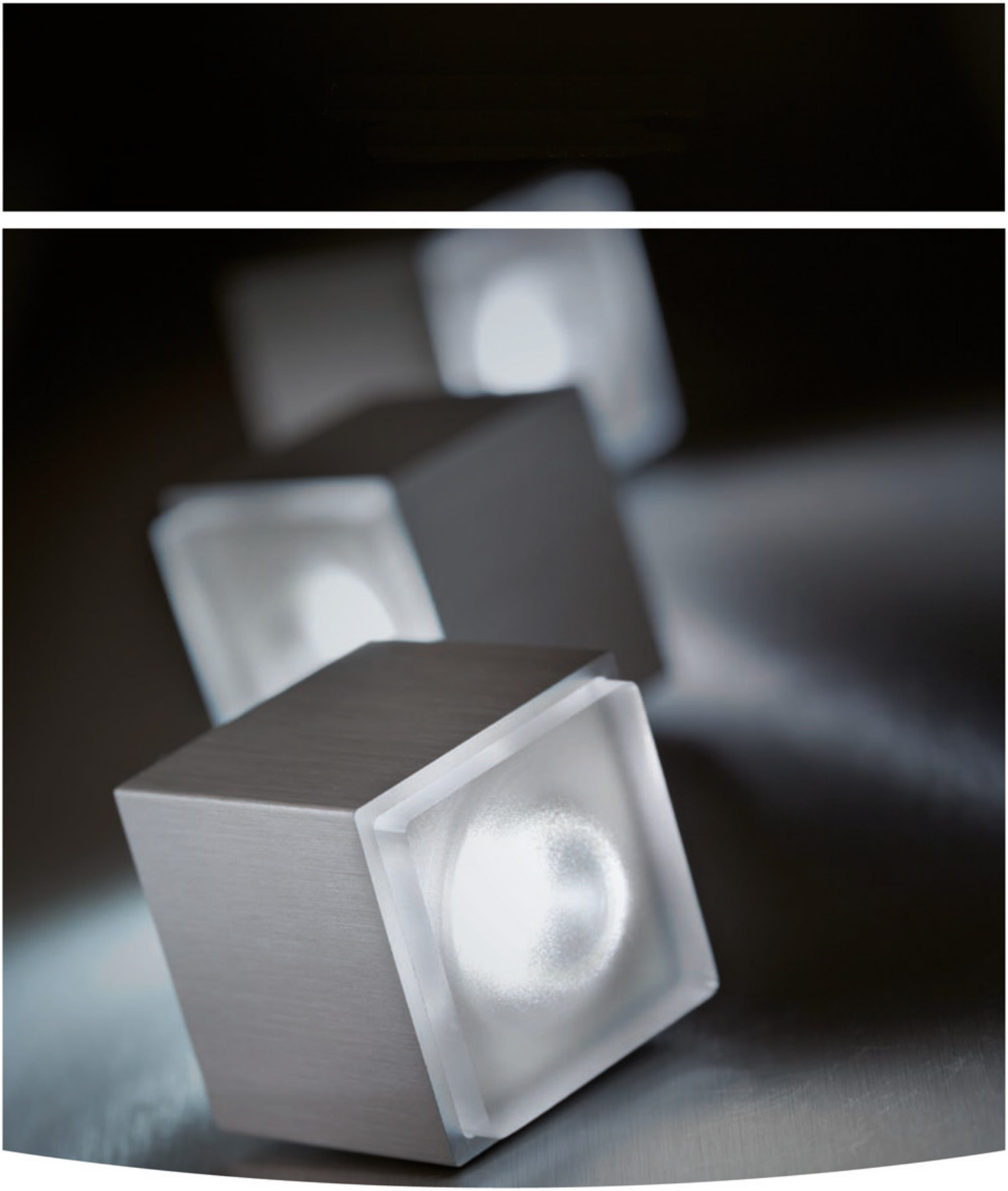
CONNECTION EXAMPLE 3-ZONE DIMMER



CONNECTION EXAMPLE LED STRIP MONOCHROME



*in-akustik products	Wall pillar*	Corner pillar*	Skirting board duct*	Skirting board*	Flat wall pillar*	Compact wall pillar*	Device support*
Standard installation components (71 mm support plate)							
Tool box with sockets	X	X	X				X
Tool box with network connection	X	X	X				X
Tool box with switch/button	X	X					
Tool box with sensors	X	X	X				X
Tool box with house intercom	X	X					
Tool box with multimedia connections*	X	X	X				X
AmbienArt							
LED cube*	X	X	X				
LED strip*	X	X	X	X	X	X	X
Wall spotlight (in end section)*	X	X					
Floor spotlight*	X	X	X	X	X	X	
Controller*	X	X					
24 volt power supply unit*	X	X	X				
Bus systems							
Bus actuators (in-wall installation)	X	X	X				
Bus inputs (in-wall installation)	X	X	X				
AmbienTone No. 3 *	X	X					



Tel.: +49 (0) 7634-5610-70
Fax: +49 (0) 7634-5610-80
E-mail: mailto@in-akustik.de
Web: www.in-akustik.de

in-akustik GmbH & Co. KG
Untermatten 12–14
79282 Ballrechten-Dottingen
GERMANY

Note: SRP incl. VAT