



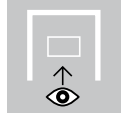
Dornbracht Sensory Sky^{ATT}

Planning guide

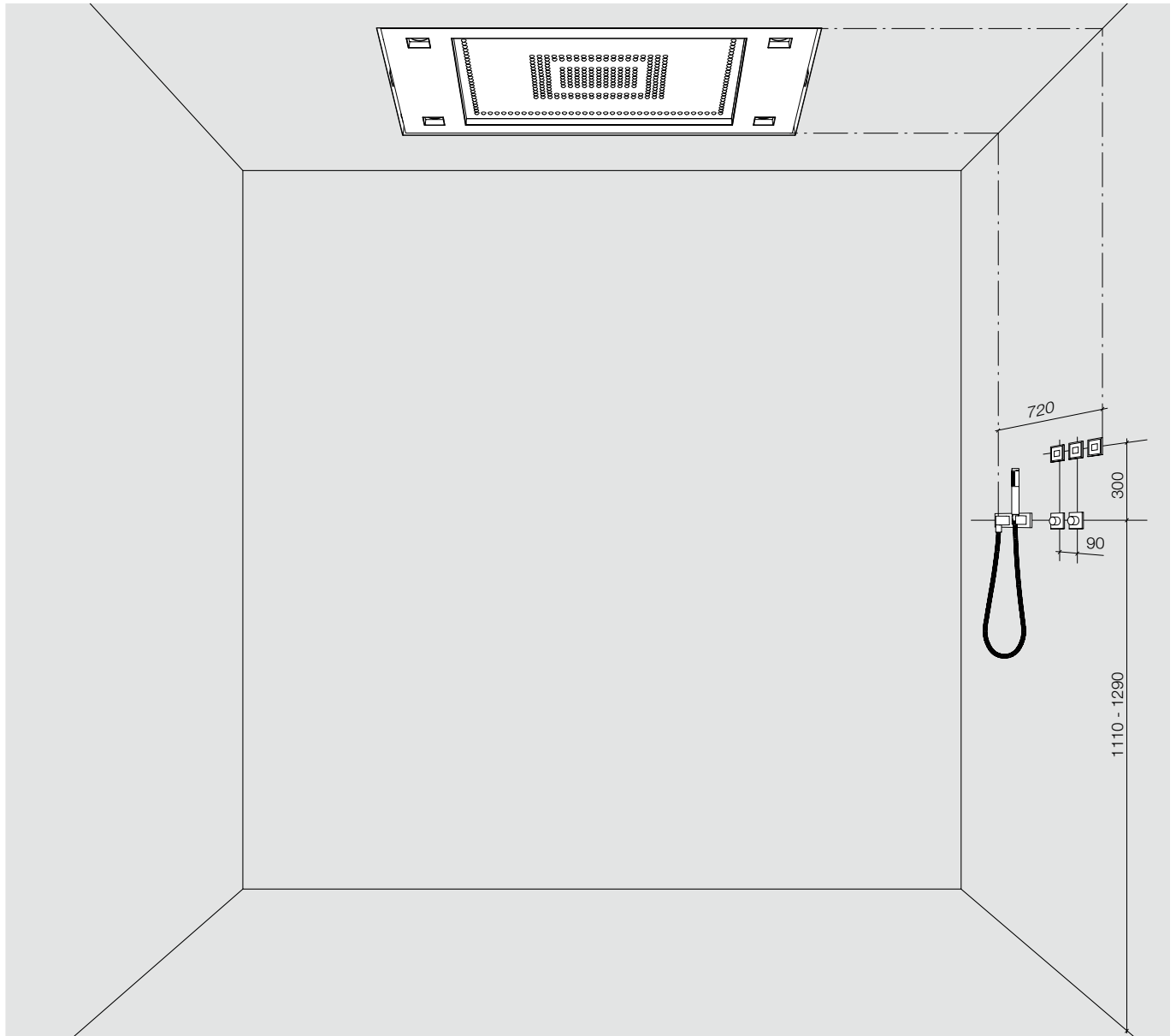
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APPLICATION
Types of rain
Cold-water mist spray
Shower zone lights
Ambiance lights



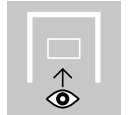
Application



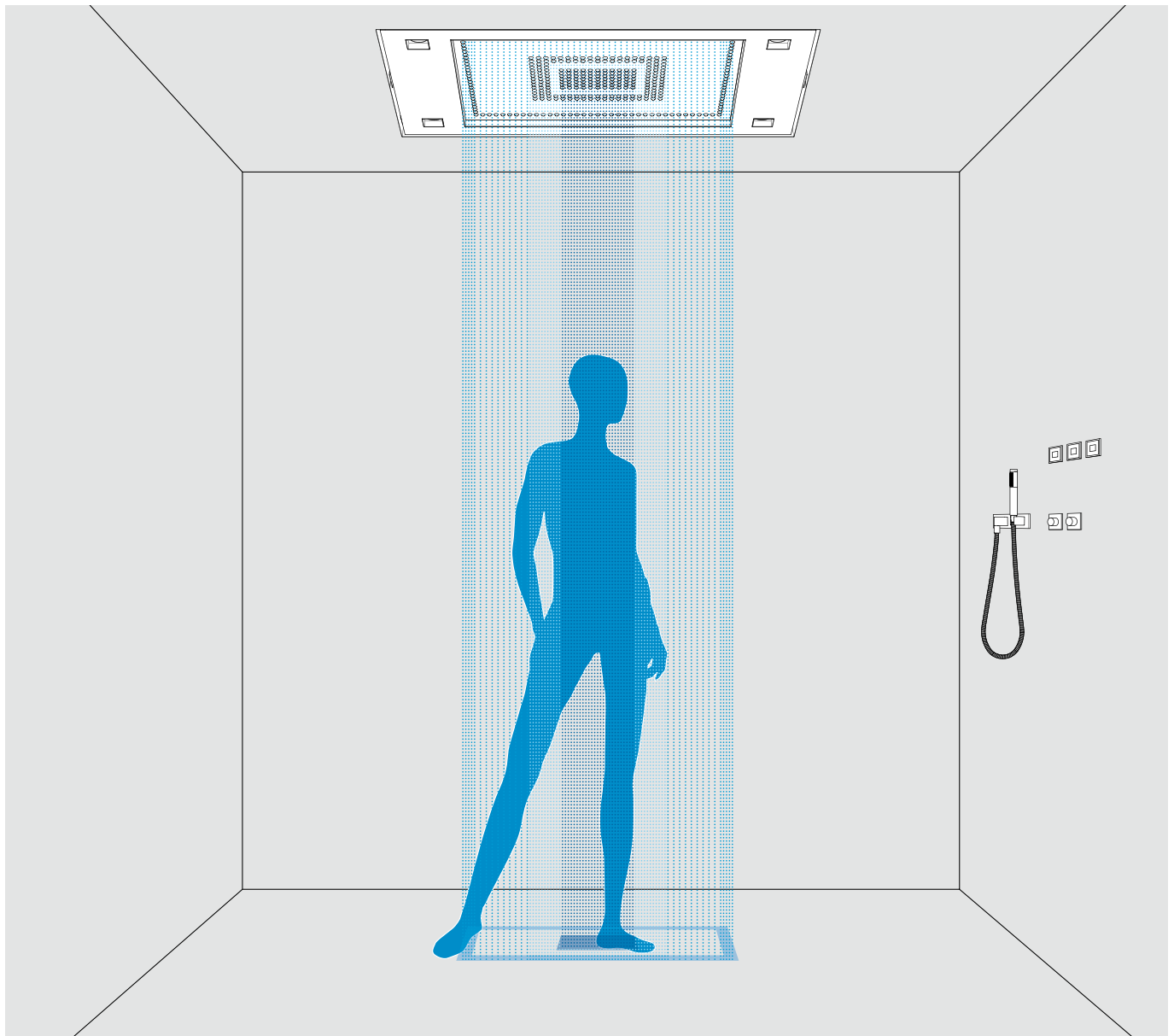
The recommended height for the rotary knob and the hand shower set on the wall is 1200 mm measured from the finished floor level (FFL) for a person with a height of 1750 mm. The recommended distance in height between the display switch is 300 mm. All measurements can be varied and customized according to the specific needs of the application. The horizontal and vertical distance between the control elements is 90 mm (center to center) and must not be less. The distance between the maximum height of the tallest user and underside of the rain panel should be at least 400 mm.


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Application
TYPES OF RAIN
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Ambiance lights



Types of rain



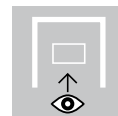
 Rain curtain

 Body spray

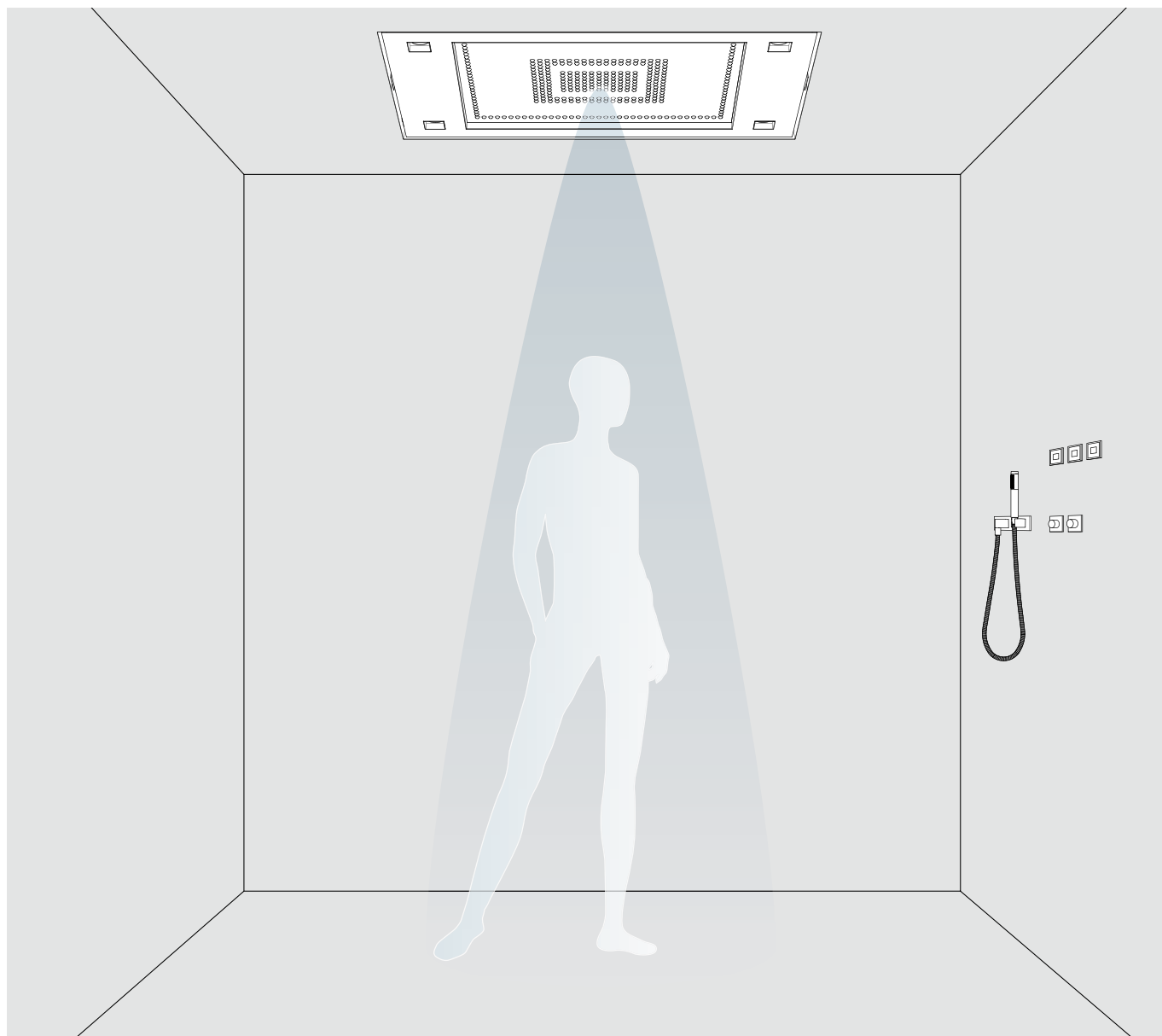
 Head spray

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Types of rain
COLD-WATER MIST SPRAY
Shower zone lights
Ambiance lights



Cold-water mist spray



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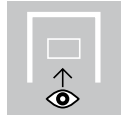
Application

Types of rain

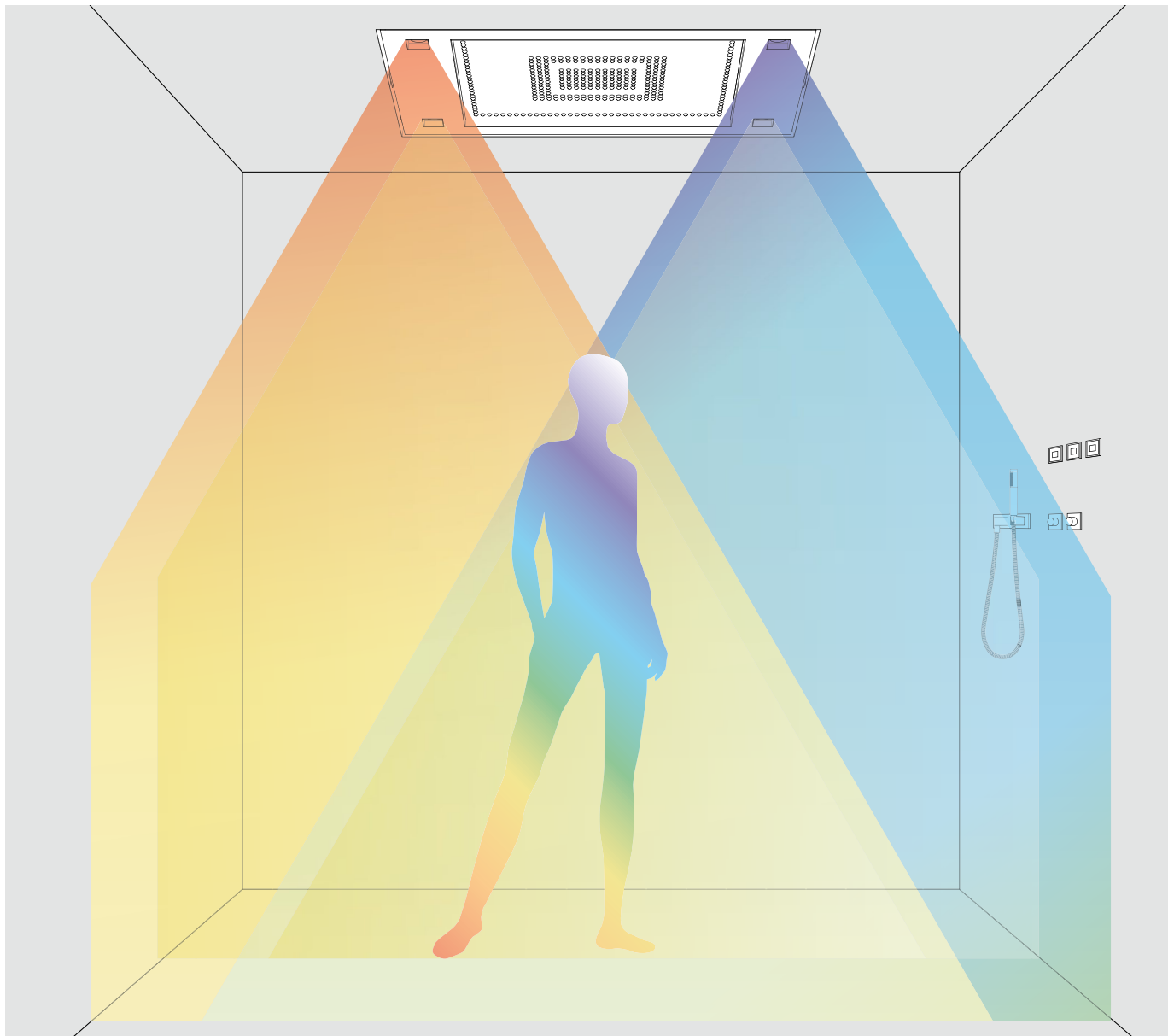
Cold-water mist spray

SHOWER ZONE LIGHTS

Ambiance lights

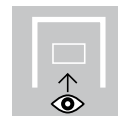


Shower zone lights

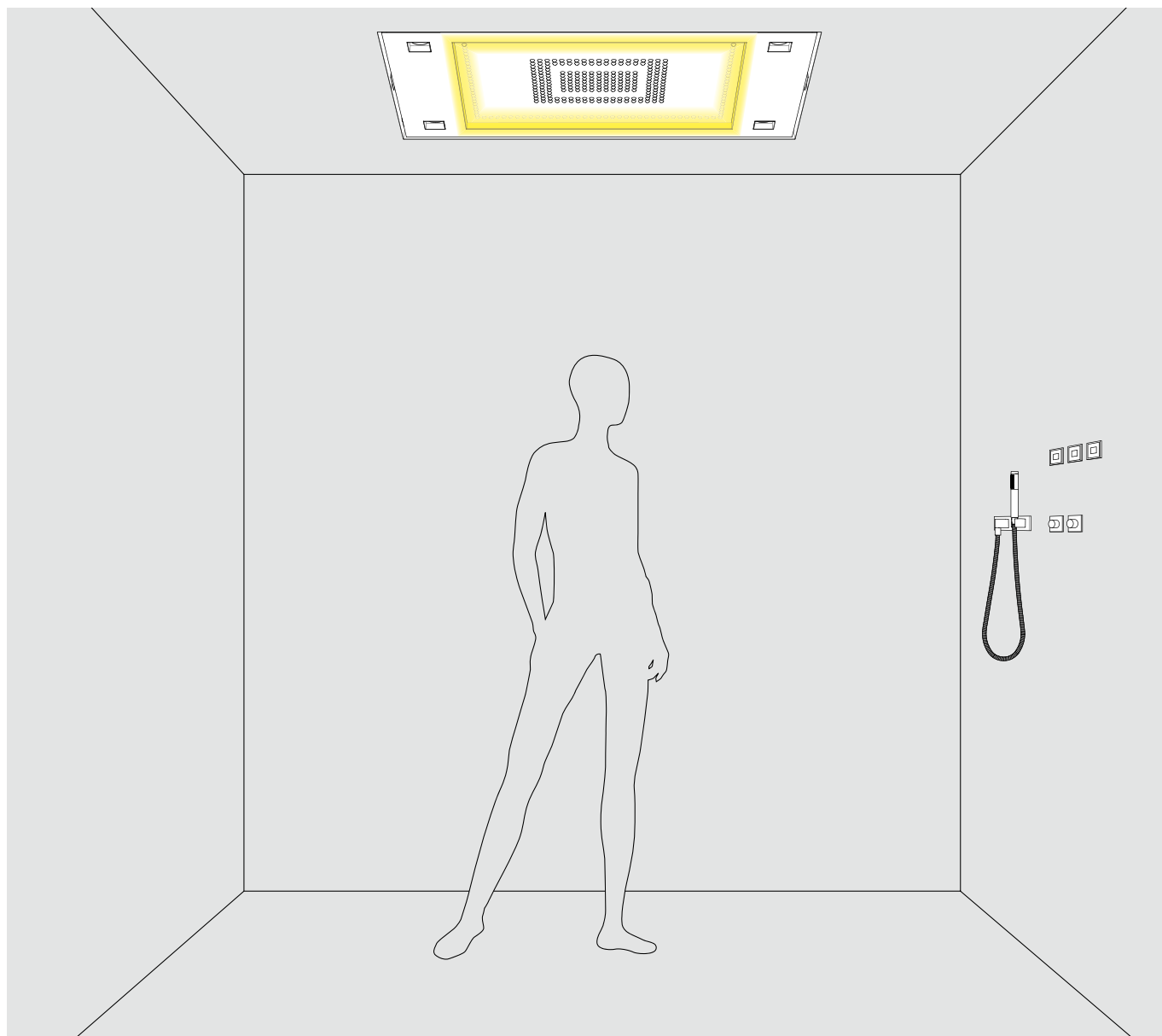


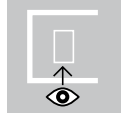
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AMBIANCE LIGHTS

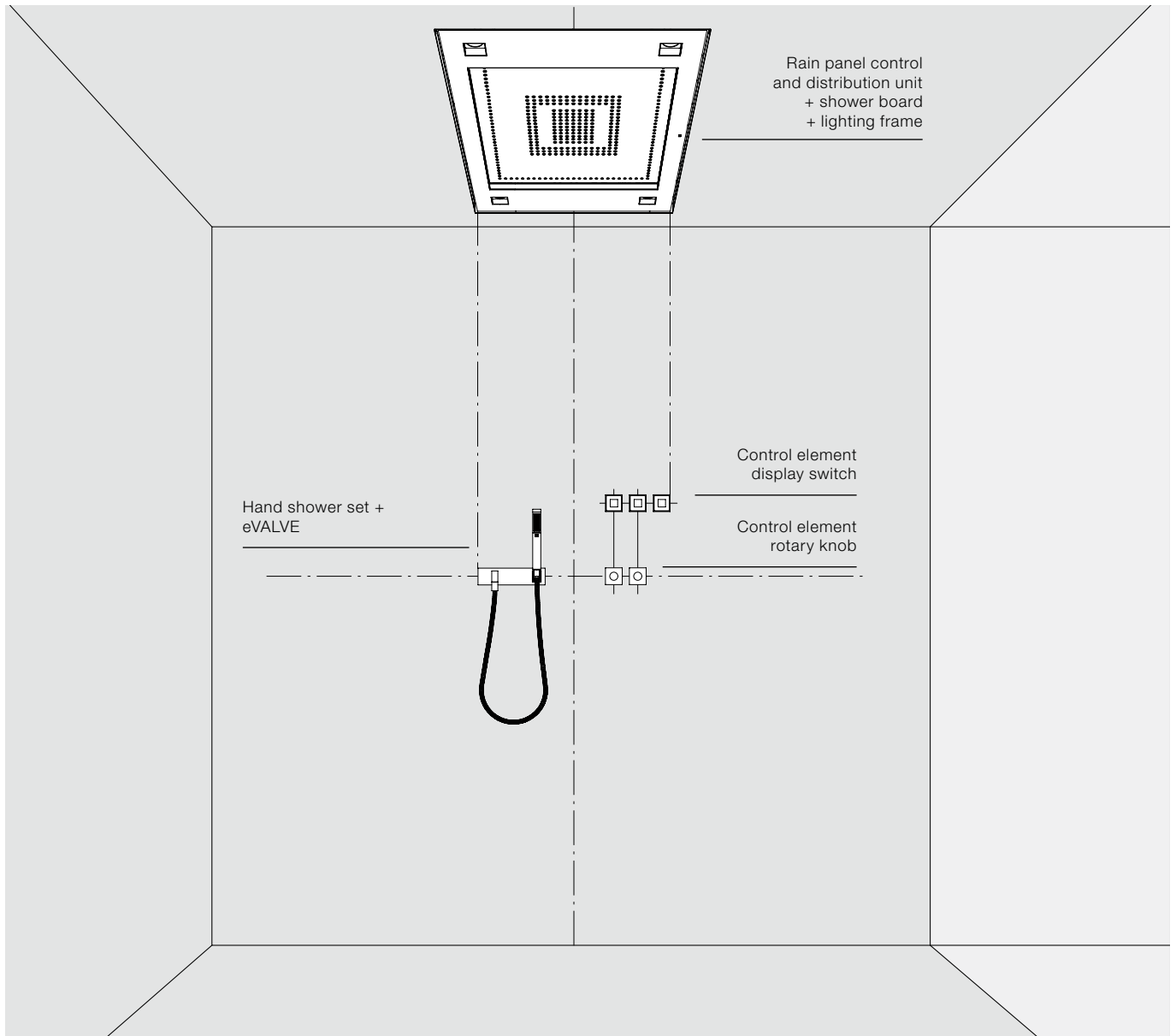


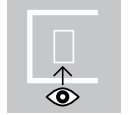
Ambiance lights



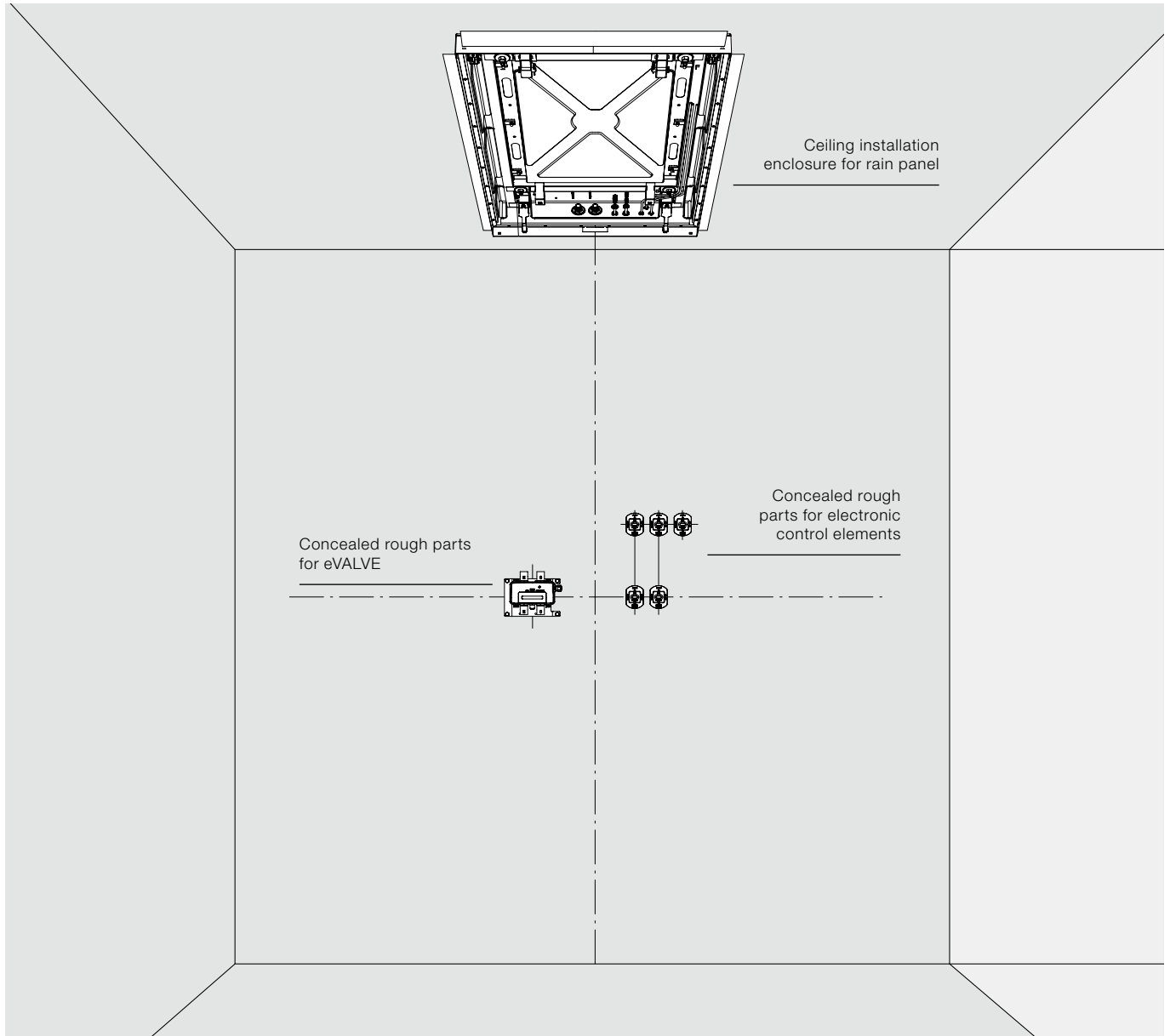


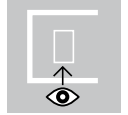
Exposed trim parts installation



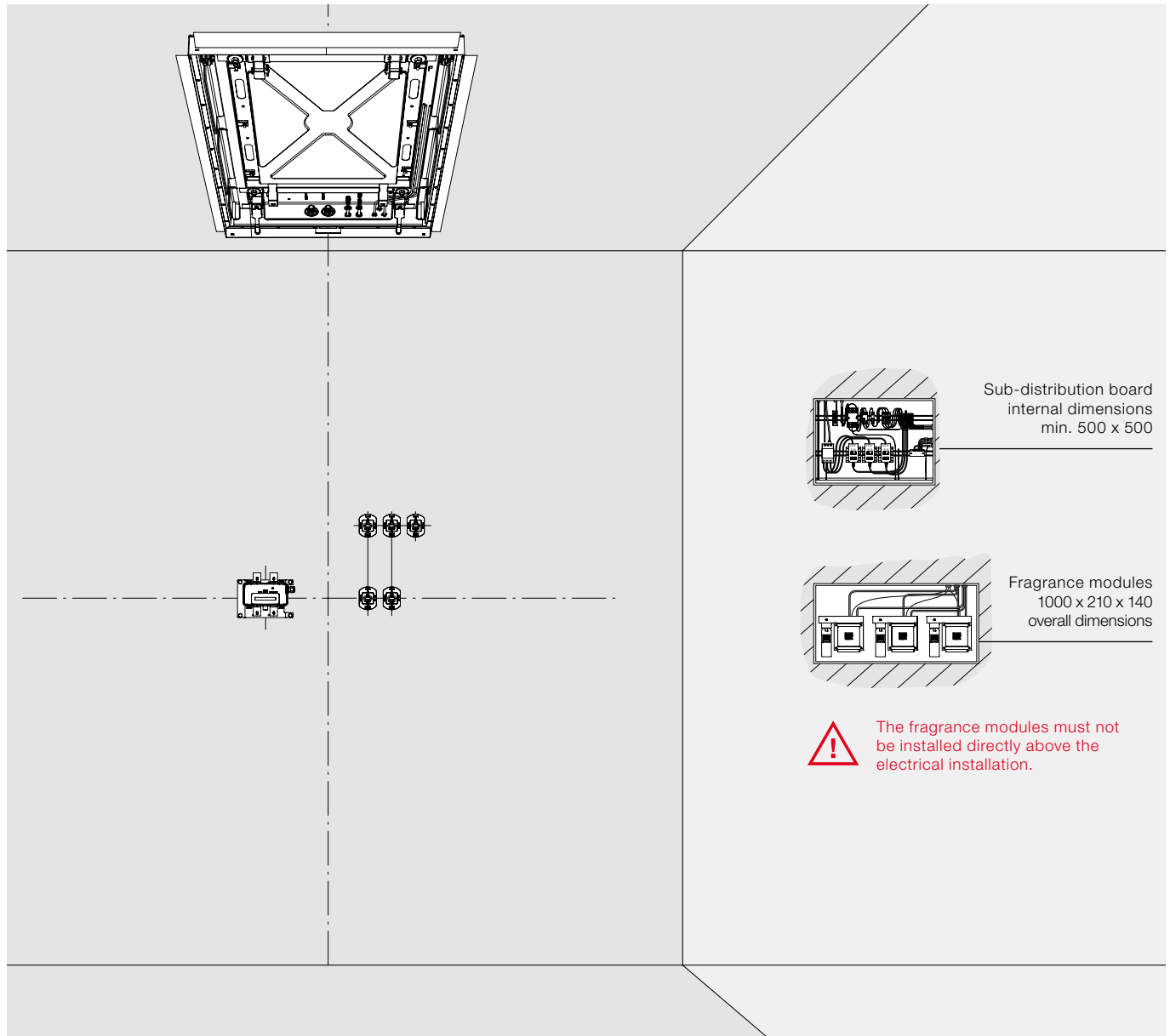


Concealed rough parts installation



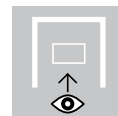


Peripheral Equipment

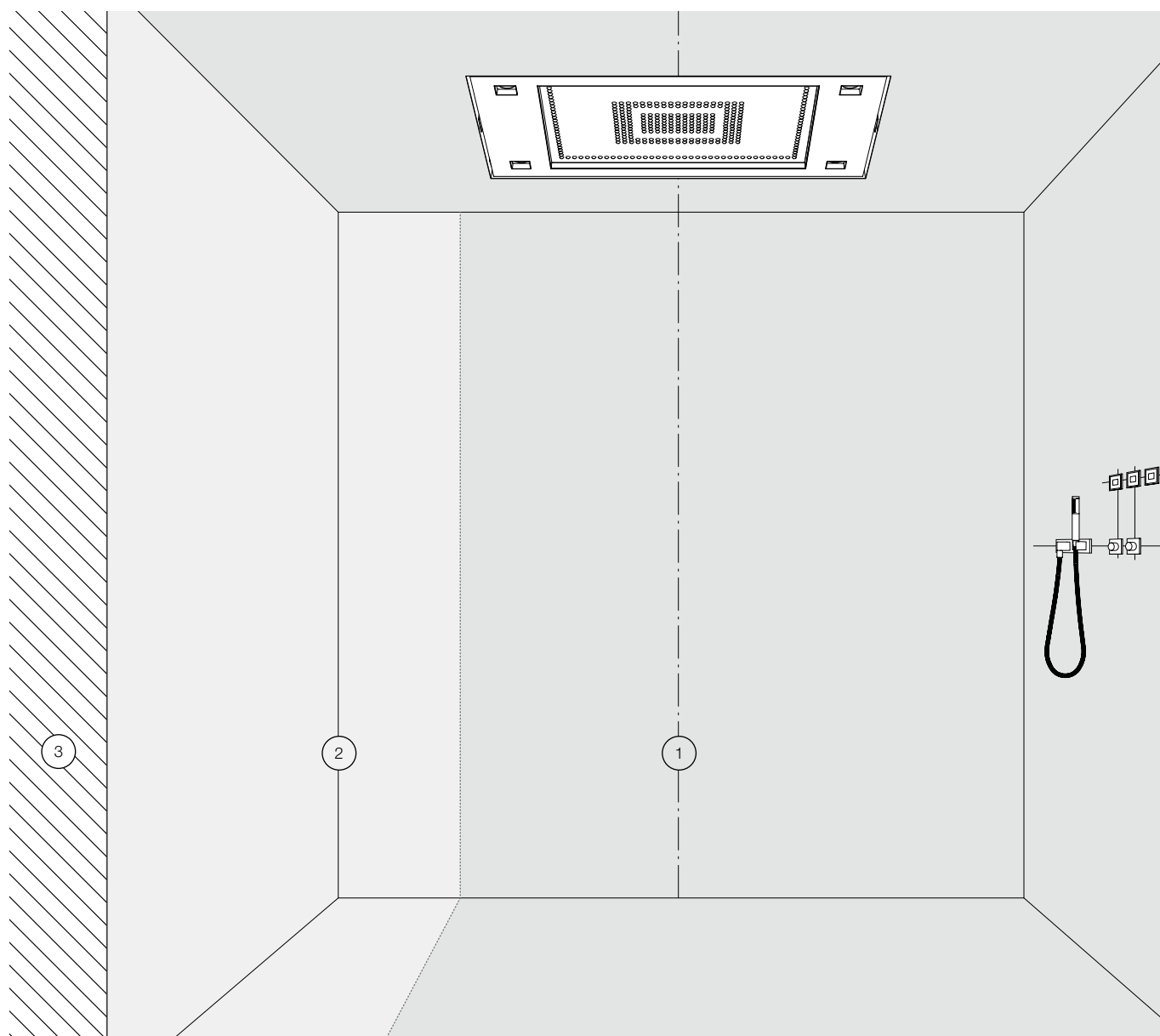


Positioning fragrance module (accessible)

- The fragrance modules must be installed outside the wet zone in an area that allows for easy access after installation.
- Ambient temperature 5-30 °C.
- The maximum distance between fragrance modules and ceiling installation enclosure for rain panel is 12 m.
- The maximum vertical height between fragrance modules and ceiling installation enclosure for rain panel is 4 m and must not be exceeded.
- The maximum distance between the fragrance modules and the closest heat source (e.g. steam generator, heating unit) must not be less than 1 m. A heat shield has to be installed between the heat source and the fragrance modules if the required distance of min. 1 m cannot be adhered to. The area needs to be well ventilated.
- The fragrance modules and the power supply have to be installed separate from each other. (Distance: min. 1 m - the power supply cables can be extended on site to max. 2 m). The fragrance modules must not be installed directly above the electrical installation.

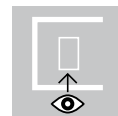


Zones of protection

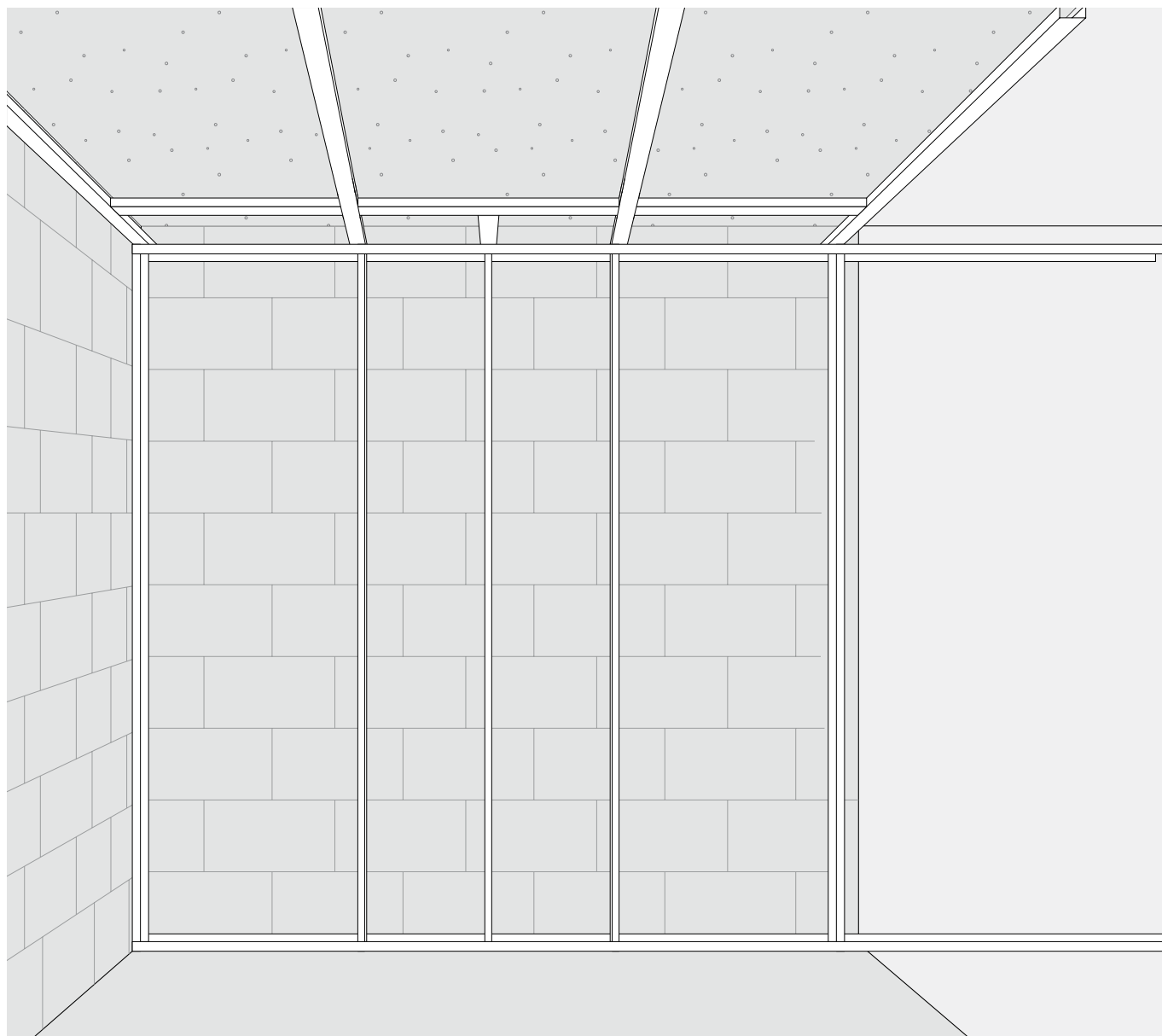


- DIN VDE 0100, PART 701 compliant safety zones. Please conform to national statutory regulations, where different.
- The power supply has to be installed outside of safety zone 2 in a sub-distribution board.
- The protection rating of the individual components has to be noted during installation and is only valid when installed correctly.
- Control elements, hand shower set and rain panel are operated through safety extra-low voltage (SELV) and can be installed inside safety zone 1.

PRE-WALL INSTALLATION

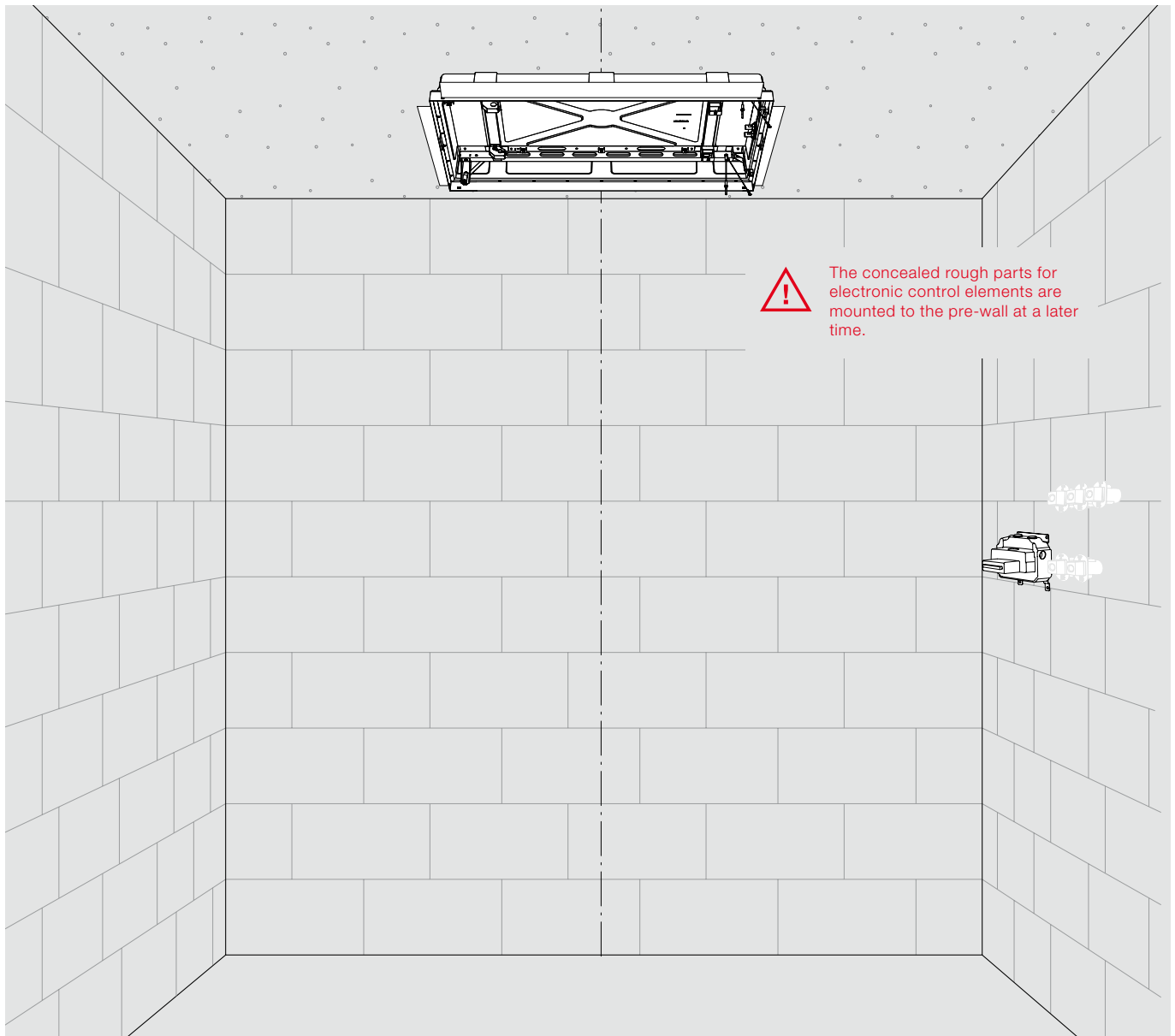
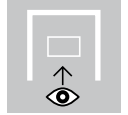



Pre-wall installation



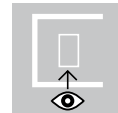
An installation with a pre-wall system in front of the wall and under the ceiling is mandatory due to the minimum installation depth and the installation method of the concealed rough parts for electronic control elements. The proper installation of a pre-wall system enables compliance with on-site requirements with fire protection, heat and noise insulation. Pre-wall installation systems are available from various manufacturers.

Concealed rough parts rain panel + hand shower set

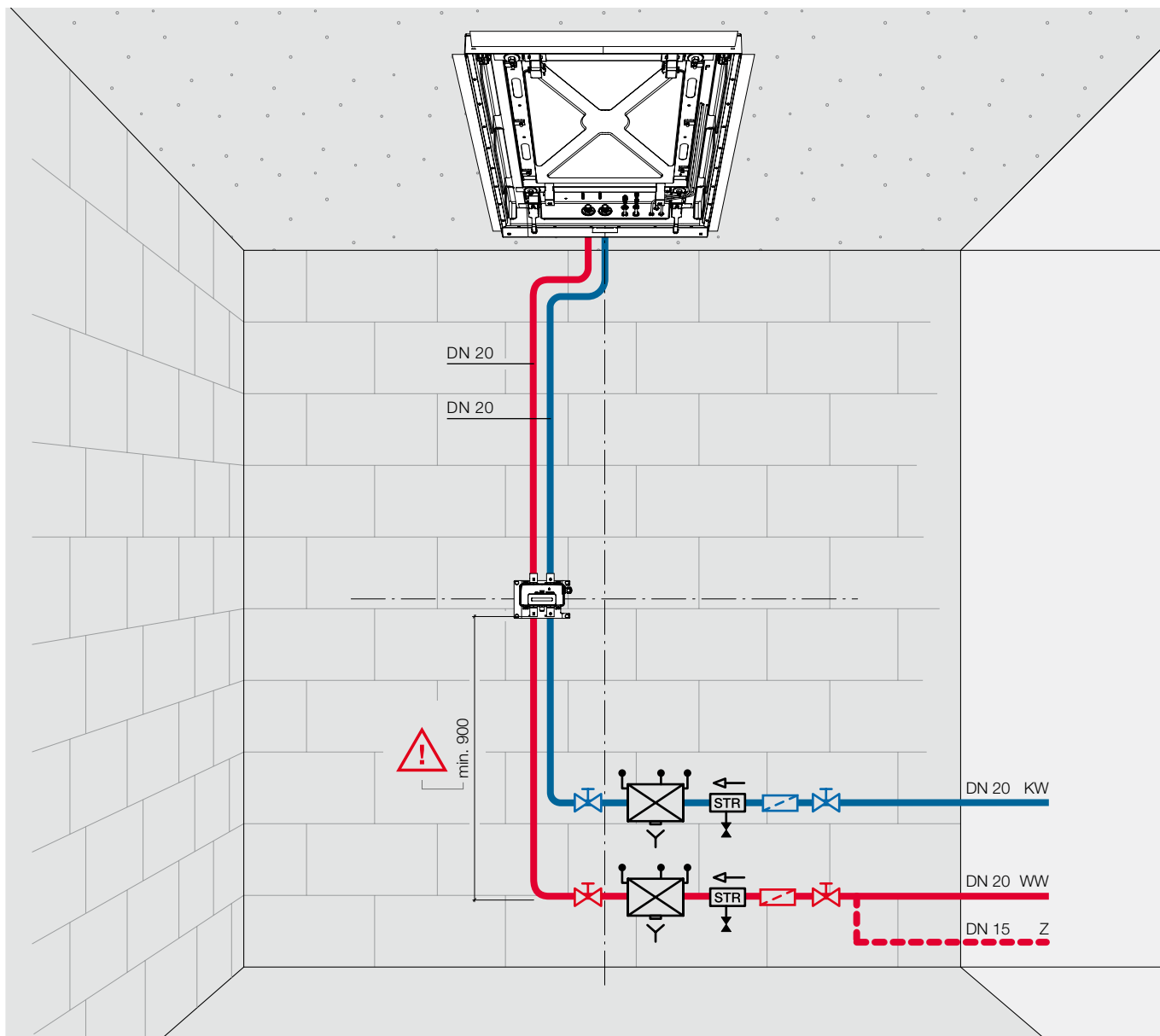


 The ceiling installation enclosure for rain panel has to be installed by 2 persons.

There must be sufficient structural load tolerance for the permanent fixing of SENSORY SKY^{ATT} (total weight: 60 kg). There is no means of attachment for ceiling installation included among the items supplied. The structural engineer must choose the means of attachment for the ceiling construction. M8 threaded bolts are used for connection to the ceiling (min. strength: 2000 N).



Water installation

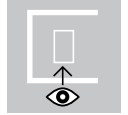


The following components (scope of delivery) have to be positioned to be accessible at all times:

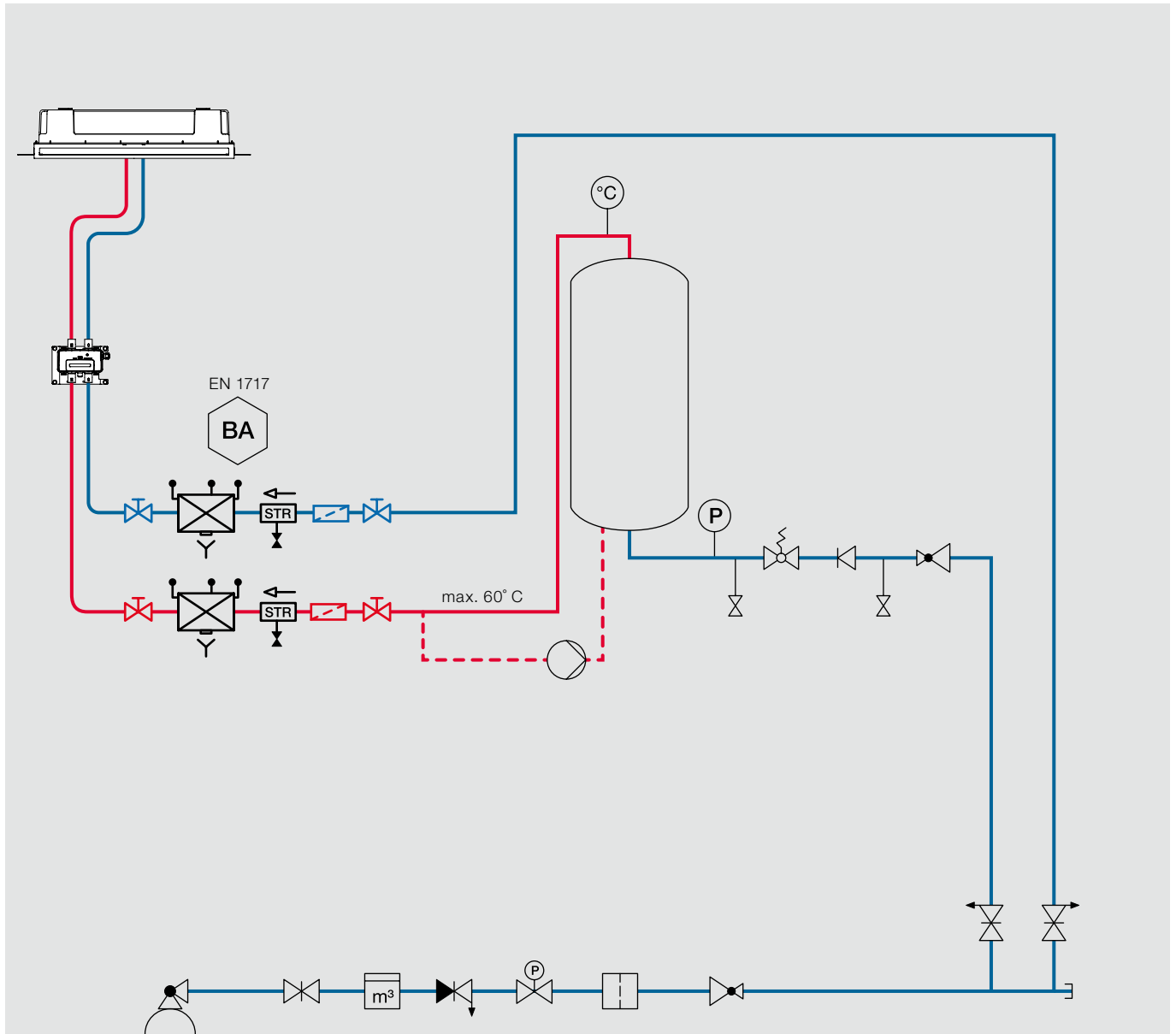
- 4 x Shut off for hot and cold water pipes (DN 20)
- 2 x Filter for hot and cold water pipes (DN 20)
- 2 x Backflow preventer Type BA according to EN 1717 for hot and cold water pipes

- With a circulation pipe, the minimum distance to the eVALVE of the hand shower set must be 900 mm.
- The nominal diameter (DN 20) has to be adhered to for both pipes and fittings.

SEE PLANNING INFORMATION



Water installation - schema



Installation example according to DIN EN 1717. Please conform to national statutory regulations, where different.

Legend (see page 15)

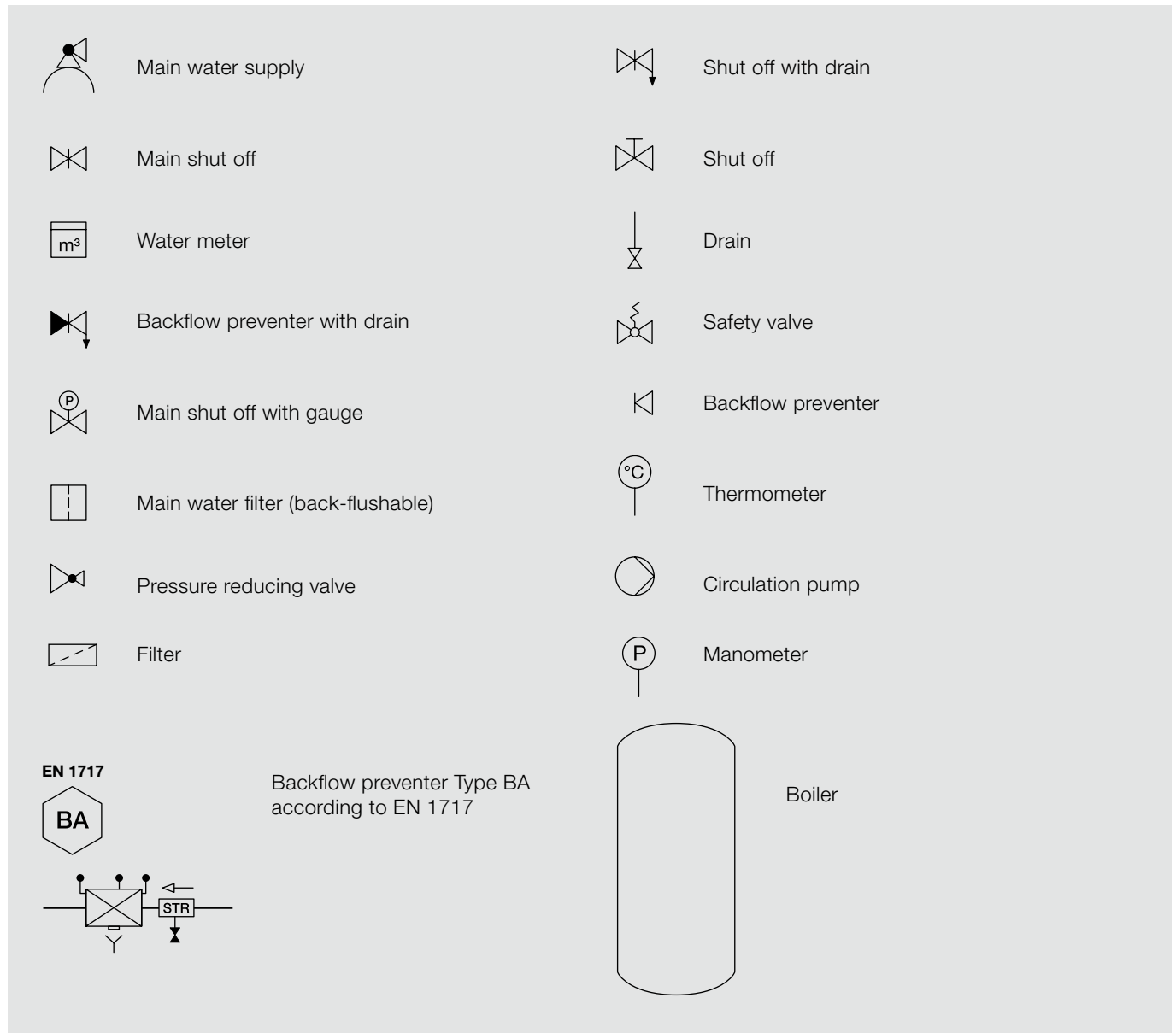
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 Hand shower set
 Water installation
WATER INSTALLATION - SCHEMA
 Electrical installation

Electrical installation - schema
 Installation pre-wall
 Concealed rough parts for
 electronic control elements
 Cutouts / anchoring points
 Trim installation

Legend



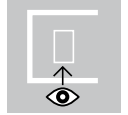
Water installation - schematic page 14

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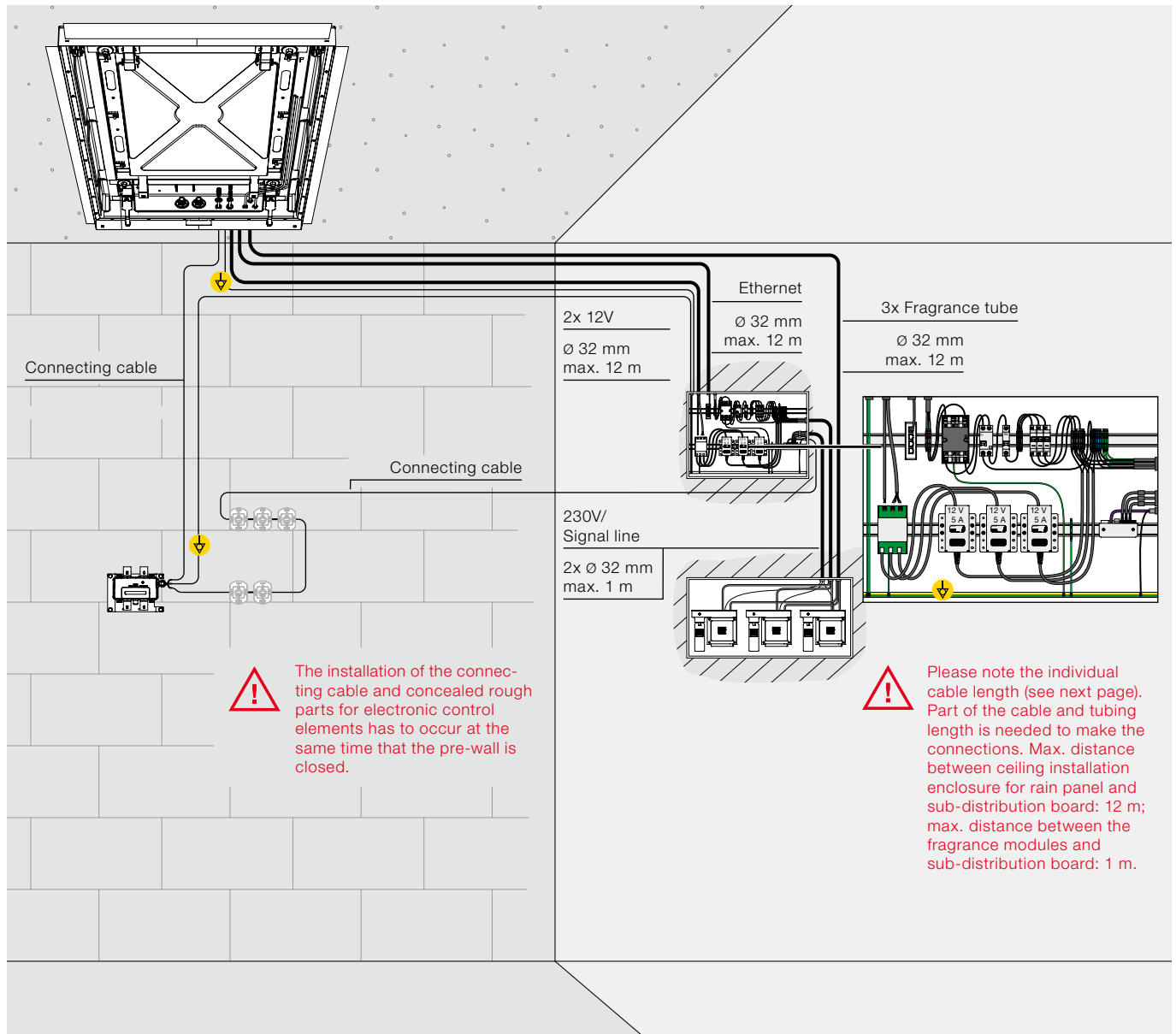
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Hand shower set
Water installation
Water installation - schema
ELECTRICAL INSTALLATION

Electrical installation - schema
Installation pre-wall
Concealed rough parts for
electronic control elements
Cutouts / anchoring points
Trim installation



Electrical installation



- Only connect to the electricity supply when the device is turned off
- The customer must provide the following circuit-breakers and electrical components:
Earth leakage circuit breaker (30 mA, 2-pin, type A), safety cutout (6 A, type B), 3 x circuit breaker (16A, Type 1S)
- A network outlet according to TIA 568A is necessary to connect SENSORY SKY^{ATT} to a network.
The local network has to be behind a router with firewall.
- Electrical installation must be carried out by a professional specialist, in accordance with VDE 0100.
- Please conform to national statutory regulations, where different.

SEE PLANNING INFORMATION

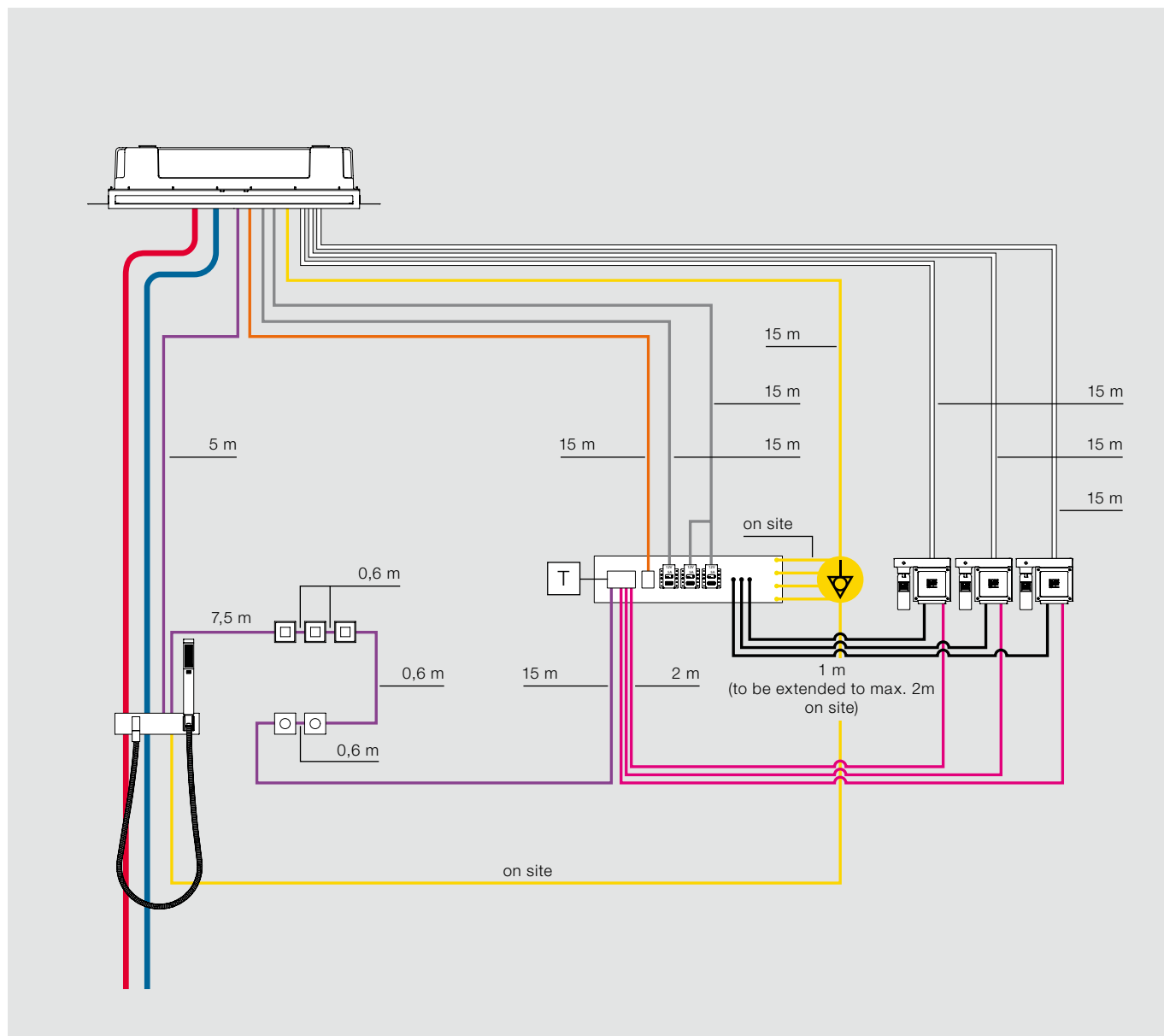
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 Water installation - schema
 Electrical installation

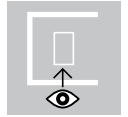
ELECTRICAL INSTALLATION
- SCHEMA
 Installation pre-wall
 Concealed rough parts for
 electronic control elements
 Cutouts / anchoring points
 Trim installation

Electrical installation - schema

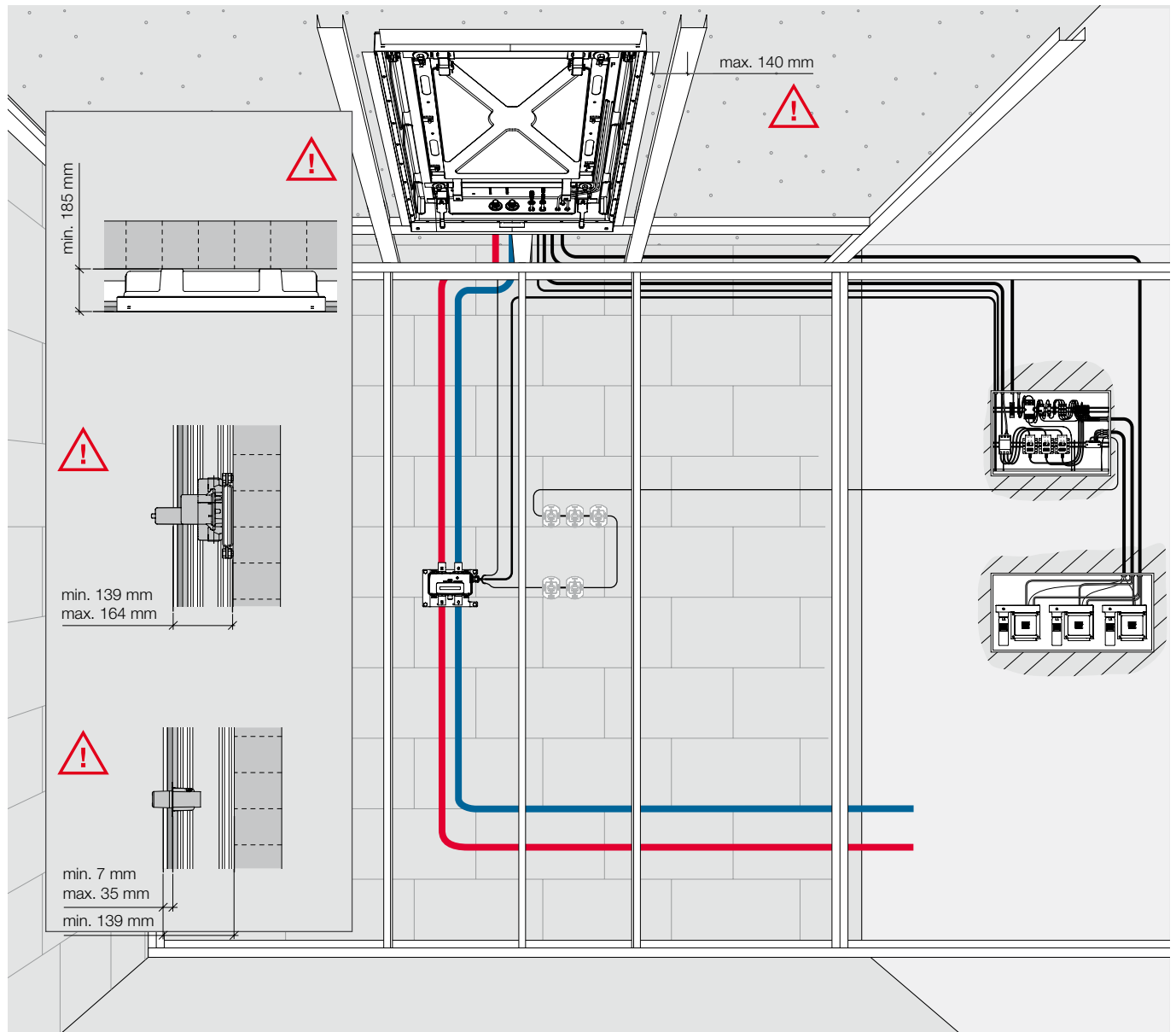


The cable length shown here are the delivery status. Cables to be provided on site by the customer are marked as such. The length of the ductwork for cables has to be shorter (see page 16).

- = Connecting cable
- = 12 V line
- = Equipotential bonding 4 mm²
- = Fragrance tube
- = Ethernet cable
- = 230 V AC line (NYM 3 x 1,5 mm²)
- = Signal line fragrance module
- = Hot water supply
- = Cold water supply
- T = Terminator

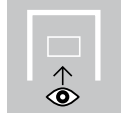


Installation pre-wall

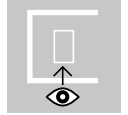


! The ceiling installation enclosure for rain panel is to be framed with a metal frame.
 Max. distance between mounting bracket of the ceiling installation enclosure for rain panel and the metal frame of the ceiling structure: 140 mm (center-to-center).
 No strain must be transferred from the ceiling structure to ceiling installation enclosure for rain panel.

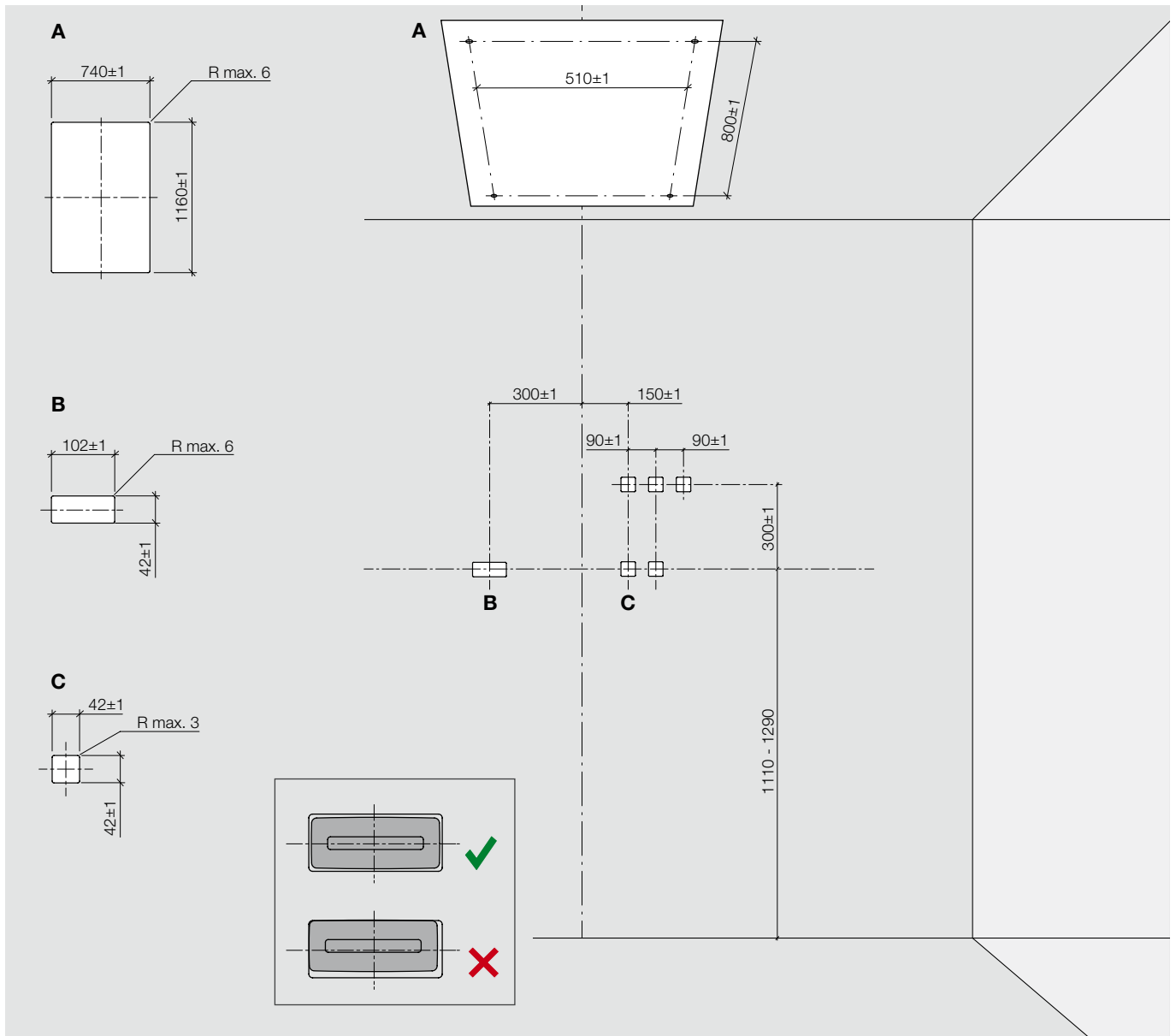
Concealed rough parts for electronic control elements



- The drywall for the ceiling has to meet quality standard Q3 (no visible gaps and closed pores).
- The on-site panelling has to be screwed to the mounting bracket of the ceiling installation enclosure for rain panel.
- The weight of the panelling of the ceiling must not put any strain on the mounting bracket of the ceiling installation enclosure for rain panel. The mounting brackets are only meant to stabilize the rain panel.
- It is recommended to use screws with a drill head to install the panelling to the mounting brackets of the rain panel.
- The mounting brackets have to fall in line with the metal frame of the ceiling structure.
- Any strain from the panelling has to be carried by the metal frame of the dry wall.
- The thickness of the wall covering (tile, stone etc.) in front of the dry wall panelling (gypsum cardboard) around the rough parts for electronic control elements is min. 7 - max 35 mm.



Cutouts / anchoring points



- Please note the individual cutouts.
- The concealed rough parts for electronic control elements require a $\varnothing 56$ mm in the dry wall panelling.
 The concealed rough parts for electronic control elements are covered by tiles/stone and require a hole of 42 x 42 mm.

Planning information

Plumbing

Because small quantities of a fragrance are added to the water emerging from SENSORY SKY^{ATT}, we are legally obliged to inform you that the water that emerges from Sensory Sky is not drinking water.

Water supply (HW + CW) 2x DN 20 – G1/2" to be connected via concealed rough for eVALVE (hand shower set). The pipe diameter has to be adhered to for both pipes and fittings.

The following components (scope of delivery) have to be positioned to be accessible at all times:

- 4 x Shut off for hot and cold water pipes (DN 20)
- 2 x Filter for hot and cold water pipes (DN 20)
- 2 x Backflow preventer Type BA according to EN 1717 for hot and cold water pipes

A pressure reducing valve and a main filter have to be provided by the customer (installed after the water meter).

A min. distance for a circulation pipe (DN 15) of 900 mm from the eVALVE (hand shower set) is required if a hot water circulation system is installed.

Calculate the piping according to DIN 1988, EN 806.

Pressure test (mandatory) the entire installation up to the ceiling installation enclosure for rain panel including concealed rough parts for eVALVE (hand shower set) with 1.5 times of the maximum operating pressure.

Please refer to the current pressure test guidelines depending on the pipe material used (e.g. EN 806-4 / DIN 1988-2).

Compile a test report.

The complete installation including the ceiling installation enclosure for rain panel and concealed rough parts for eVALVE (hand shower set) has to be flushed with clean water, e.g. EN 806-4 / DIN 1988-2).

Compile a flushing report.

Flushing has to occur prior to installing the trim installation and initial start-up.

Application area

The products are not meant to be used outside.

Consult with Dornbracht if you plan to use the product in steam, chlorine or saline environments.

Water hardness

Recommended water hardness: 5-6 °e.

If your water is harder, install a water softening system into the feed pipes.

Hot water storage

For the optimum choice of hot water storage device – taking into consideration additional drawing-off points and parallel usage – you need to assess the specific demand (e.g. according to DIN 4708-2).

A thermostatic mixer as to be installed after the boiler if the hot water temperature of the boiler is set to more than 60 °C. A manual or automatic bypass if the thermostatic mixer has to be installed if regular thermal disinfection is required.

Continuous-flow water heaters cannot be used to supply hot water for SENSORY SKY^{ATT}.

Floor drain

A specific calculation that takes into consideration the flow rate of all the outlet points in the shower is required for optimum floor drain sizing (calculated according to e.g. DIN 1986).

Recommendation: connected rating 1.5 l/s., drainage pipe DN 75.

Planning information

Electrical

Only connect to the electricity supply when the device is voltage-free.

Electrical installation must be carried out by a professional specialist, in accordance with VDE 0100. Please conform to national statutory regulations, where different.

The installation of the connecting cable and concealed rough parts for electronic control elements has to occur at the same time that the pre-wall is closed.

Combine the devices only with original Dornbracht components.

Space required for all components in the sub-distribution board: approx. 500 x 500 mm (internal dimensions).

Space required for 3 fragrance modules: 1000 x 210 x 140 (overall dimensions). We recommend installation using xGrid track art. no. 12 320 970 90

The fragrance modules and the power supply have to be installed separate from each other. The fragrance modules must not be installed directly above the electrical installation.

See page 16/17 for cable length and length of ductwork. Part of the cable and tubing length is needed to make the connections.

The maximum distance between fragrance modules and ceiling installation enclosure for rain panel is 12 m.

The maximum vertical height between fragrance modules and ceiling installation enclosure for rain panel is 4 m and must not be exceeded.

Max. distance between the ceiling installation enclosure for rain panel and the sub-distribution board: 12 m.

Max. distance between the fragrance modules and the sub-distribution board: 1 m. Power supply cables can be extended to max. 2 m on site.

The distance between the fragrance modules and the closest heat source (e.g. steam generator, heating unit) must not be less than 1 m.

The customer must provide the following circuit-breakers and electrical components:

- Earth leakage circuit breaker (30 mA, 2-pin, type A)
- Safety cut-out (6 A, type B).
- 3 x circuit breaker (16A, type 1S)
- Equipotential bonding busbar in subdistribution board
- Equipotential bonding (4 mm²) for concealed rough part eValve (hand shower set)

The usage and the connection of equipotential bonding (4 mm²) as shown on page 16 is mandatory. A mere connection to metal piping is not permissible

Technical data

Plumbing

Flow at 3 bar flow pressure (max.)

- Head spray	11,7 l/min.
- Body spray	12,2 l/min.
- Rain curtain	12,2 l/min.
- Cold-water mist spray	0,7 l/min.
- Sprays combined	35,7 l/min.
- Hand shower	8,0 l/min.

Flow choreographies

- READJUST(4:50 min.):	max. 90 l
- RELEASE (5:00 min.):	max. 104 l
- REJOICE (4:35 min.):	max. 104 l

Flow pressure

Measuring point: concealed rough parts for eVALVE (hand shower set)

Minimum flow pressure	2,5 bar
Maximum flow pressure	4,0 bar
Maximum difference in flow pressure between hot and cold water	1,0 bar
Recommended flow pressure	3,0 bar

Permissible operating temperatures

Measuring point: concealed rough parts for eVALVE (hand shower set)

Hot-water temperature range	50-60 °C
Thermal disinfection (3-10 min.)	75 °C
Cold-water temperature range	5-20 °C
Anti-scald factory setting	43 °C

Rough-in depth rain panel, control elements, concealed rough parts for eVALVE see page 18

Electrical

Ceiling installation enclosure for rain panel

Electricity supply (input voltage) in the sub-distribution board	100-240 V AC
Electricity supply (input voltage) in the ceiling installation enclosure for rain panel	12 V DC
Input frequency	50-60 Hz
Maximum power consumption	180 W
Output voltage	12 V DC
Output current	3x 5 A
Power consumption (when not in use)	< 5 W
Power consumption (in use)	160 W
System of protection	IP 54
Equipotential bonding	4 mm ²
Installation depth	min. 185 mm

Control elements

Display switch + rotary knob	
Input voltage	12 V DC
System of protection	IP X4
Hole diameter concealed box	56 mm
Installation depth	min. 139 mm

Concealed rough parts for eVALVE (hand shower set)

Input voltage	12 V DC
System of protection	IP 66
Equipotential bonding	4 mm ²
Installation depth	min. 139 mm max. 164 mm

Fragrance module

Input voltage	230 V AC
Input frequency	50-60 Hz
Maximum power consumption (for 3 modules)	30,6 W

Technical data

General

Weight

Rain panel	60 kg
3 tubes fragrance module - rain panel	
Length per tube	15 m

Ambient temperature

Max. rain panel	55 °C
Min. rain panel	5 °C
Max. control elements	35 °C
Min. control elements	5 °C
Max. storage	35 °C
Min. storage	5 °C
Max. fragrance module	30 °C
Min. fragrance module	5 °C

Storage dust-free and dry!

The following components (scope of delivery)

have to be positioned to be accessible at all times:

- 4 x Shut off for hot and cold water pipes (DN 20)
- 2 x Filter for hot and cold water pipes (DN 20)
- 2 x Backflow preventer Type BA according to EN 1717 for hot and cold water pipes

Mark

Self-certification



To be provided by the customer:

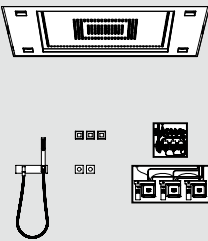
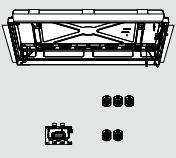
Space required for all components in the sub-distribution board (internal dimensions):	min. 500 x 500 mm
Space required for fragrance modules:	1000 x 210 x 140 (overall dimensions)
Earth leakage circuit breaker	30 mA, Type A
Safety cutout	6 A, Type B
3 x circuit breaker	16A Type 1S
Ductwork (for power supply) from sub-distribution board to ceiling installation enclosure for rain panel and concealed rough part eVALVE (hand shower set) respectively	Ø 32 mm max. 12 m
Ductwork (for ethernet cable) from sub-distribution board to ceiling installation enclosure for rain panel	Ø 32 mm max. 12 m
Ductwork (fragrance tubing) from ceiling installation enclosure for rain panel to fragrance modules	Ø 32 mm max. 12 m
2 x Ductwork (for signal line and power supply) from sub-distribution board to fragrance modules	Ø 32 mm max. 1 m
Equipotential bonding for ceiling installation enclosure for concealed rough part eVALVE (hand shower set)	4 mm ²
A pressure reducing valve and main filter to be provided by the customer (installed after the water meter).	

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SENSORY SKY^{ATT}
Rain panel
Hand shower set
Control elements
Fragrance modules

Sensory Sky^{ATT}

41 260 979	SENSORY SKY^{ATT} Exposed trim parts	Brightly polished stainless steel / chrome Brushed stainless steel / platinum matt	41 260 979-88 41 260 979-89
	<ul style="list-style-type: none">- Rain panel for ceiling installation (three-piece)- Complete hand shower set with cover plate- eVALVE electronic valve for regulating water temperature and volume- Electronic control elements (SMART TOOLS)- Fragrance modules		
35 260 970 90	SENSORY SKY^{ATT} Concealed rough parts		35 260 970 90
	<ul style="list-style-type: none">- Ceiling installation enclosure for rain panel- Concealed rough parts for eVALVE (hand shower set)- Concealed rough parts for electronic control elements (SMART TOOLS)- 4 x Shut off for hot and cold water pipes (DN 20)- 2 x Filter for hot and cold water pipes (DN 20)- 2 x Backflow preventer Type BA according to EN 1717 for hot and cold water pipes		

SENSORY SKY^{ATT} 41 260 979-88:
Brightly polished stainless steel rain panel (85)
Chrome complete hand shower set with cover plate (00)
Chrome electronic control elements (00)

SENSORY SKY^{ATT} 41 260 979-89:
Brushed stainless steel rain panel (86)
Platinum matt complete hand shower set with cover plate (06)
Electronic control elements platinum matte (06)

Additional downloads:

[Installation instructions SENSORY SKY^{ATT} exposed trim parts \(41 260 979\)](#)
[Installation instructions SENSORY SKY^{ATT} concealed rough parts \(35 260 970 90\)](#)

Positioning
 recommendations
 Components
 Zones of protection
 Pre-wall installation

Installation
 Data and standards
PRODUCT OVERVIEW
 Checklists

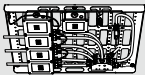
Sensory Sky^{ATT}
RAIN PANEL
 Hand shower set
 Control elements
 Fragrance modules

Rain panel

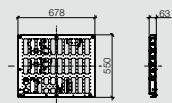
Rain panel for ceiling installation

Exposed trim parts

Rain panel control and distribution unit



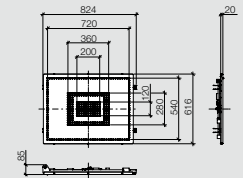
- 3x eVALVE electronic valve for regulating water temperature and volume
- System control unit
- Control unit lights
- Cold-water mist valve
- Complete piping with distribution
- IP 54



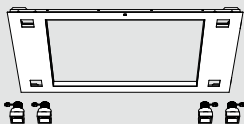
Shower board



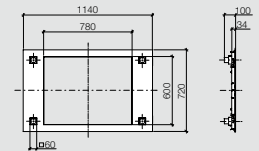
- Head spray 200 x 120 mm, 68 jets
- Body spray 360 x 280 mm, 142 jets
- Rain curtain 720 x 520 mm, 124 jets
- Cold-water mist nozzle 40 x 40 mm, 9 jets
- Stainless steel cover plate 793 x 613 x 85 mm



Lighting frame



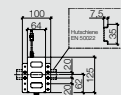
- Stainless steel frame 1140 x 720 mm
- Shower zone lighting, 4x RGBW LED spots
- Ambient lighting, 4x RGB LED light strips
- IP 55



Power supply



- 3x power supply 100-240 V AC / 12 V DC, 50-60 Hz, 60 W (IP 40), to be mounted to DIN rail
- AC Filter 230 V, 6A
- DC Filter 12V



Additional downloads:

[Installation instructions SENSORY SKY^{ATT} exposed trim parts \(41 260 979\)](#)

[Installation instructions SENSORY SKY^{ATT} concealed rough parts \(35 260 970 90\)](#)

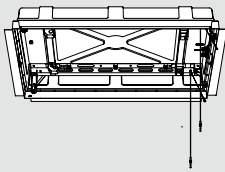
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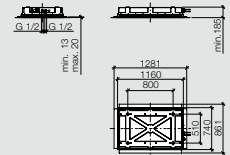
Sensory Sky^{ATT}
RAIN PANEL
 Hand shower set
 Control elements
 Fragrance modules

Rain panel

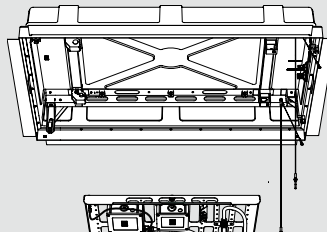
Ceiling installation enclosure for rain panel Concealed rough parts



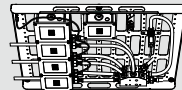
- Plastic installation enclosure
- 4x Adjustment bolts
- Arresting cable
- 4x Mounting brackets for ceiling connection
- 2x Supply connection 1/2" female thread (cold/ hot), DN 15
- 3x Fragrance tube, 15 m each
- Connecting cable with preinstalled plugs for concealed rough parts for electronic control elements, concealed rough parts eVALVE, control module fragrance (1x 15 m, 1x 7,5 m, 1x 5 m, 4x 0,6 m)
- Power supply cable 15 m, control unit lights
- Power supply cable 15 m, control unit
- Ethernet cable 15 m
- Rough-in depth 185 mm
- 4 x Shut off
- 2 x Filter
- 2 x Backflow preventer Type BA



Ceiling installation enclosure for rain panel
 Concealed rough parts



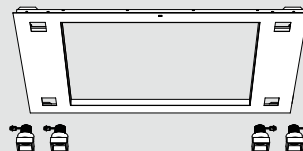
Rain panel control and distribution unit
 Exposed trim parts



Shower board
 Exposed trim parts



Lighting frame
 Exposed trim parts



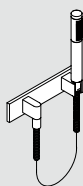
Additional downloads:

[Installation instructions SENSORY SKY^{ATT} exposed trim parts \(41 260 979\)](#)
[Installation instructions SENSORY SKY^{ATT} concealed rough parts \(35 260 970 90\)](#)

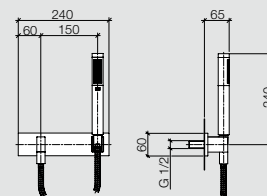
Hand shower set

Complete hand shower set with cover plate

Exposed trim parts



- Bar-type hand shower with anti-scale system and back flow preventer
- 3/8" shower outlet
- Wall bracket
- Cover plate 240 x 60 mm
- 3/8" x 1/2" x 1250 mm shower hose with turning cone
- 1/2" wall elbow with back flow preventer
- Intrinsic protection against back flow

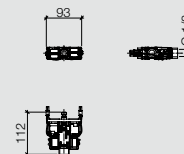


eVALVE electronic valve for regulating water temperature and volume

Exposed trim parts



- Installed directly behind the water outlet point (direct feedback when the temperature and volume change)
- Diagnostic capability
- Update capability
- Supports thermal disinfection
- Automatic scald protection
- IP 66

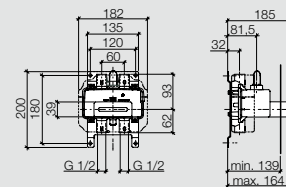


Concealed rough parts for eVALVE

Concealed rough parts



- For eVALVE in combination with complete hand shower set with cover plate
- Lead-free brass concealed body
- 4x Supply connection 1/2" female thread (cold/ hot), DN 15
- Dust cover
- Anti-water packing
- Min. recess depth 139 mm
- eVALVE control module - for operating the eVALVE electronic valve (IP X4)



Concealed rough parts for eVALVE

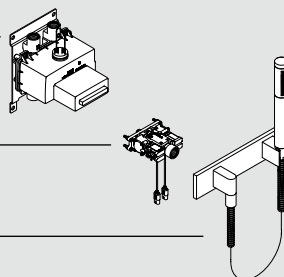
Concealed rough parts

eVALVE
 Electronic valve

Exposed trim parts

Complete hand shower set with cover plate

Exposed trim parts



Additional downloads:

[Installation instructions SENSORY SKY^{ATT} exposed trim parts \(41 260 979\)](#)

[Installation instructions SENSORY SKY^{ATT} concealed rough parts \(35 260 970 90\)](#)

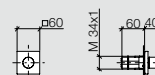
Control elements

Electronic control elements (SMART TOOLS)

Exposed trim parts

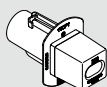


- 2x Twist-action control elements with electronic control for temperature and volume, each 60 x 60 mm
- 3x Display switch control elements with electronic control for rain modes, complete hand shower set, cold-water mist, choreographies, fragrance and light, each 60 x 60 mm
- Electricity supply: 12 V DC via ceiling installation enclosure for rain panel
- Preset temperature and volume
- Button lock for cleaning
- Pause function
- Update capability
- Service displays
- IP X4

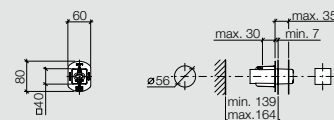


Concealed rough parts for electronic control elements (SMART TOOLS)

Concealed rough parts

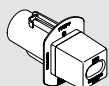


- 5x Concealed box for pre-wall installation mounting
- 5x Anti-water packing
- Hole diameter 56 mm
- Min. recess depth 75 mm



Concealed rough parts for electronic control elements (SMART TOOLS)

Concealed rough parts



Control element rotary knob

Exposed trim parts



Control element display switch

Exposed trim parts



Additional downloads:

[Installation instructions SENSORY SKY^{ATT} exposed trim parts \(41 260 979\)](#)

[Installation instructions SENSORY SKY^{ATT} concealed rough parts \(35 260 970 90\)](#)

Positioning
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Components
Zones of protection
Pre-wall installation

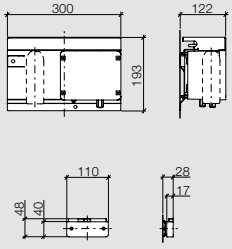
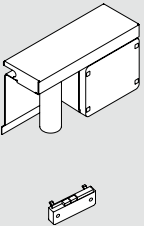
Installation
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PRODUCT OVERVIEW
Checklists

Sensory Sky^{ATT}
Rain panel
Hand shower set
Control elements
FRAGRANCE MODULES

Fragrance modules

Fragrance modules
Exposed trim parts

- 3x Fragrance module 230 V AC, 50/60 Hz, 10,2 W, 300 x 200 x 120 mm, each
- 3x Control cable, 2 m, each
- 3x Power supply cable, 2 m, each
- Control module fragrance, 110 x 50 x 28 mm, to be mounted on DIN rail
- IP 54
- Terminator



Technical drawings showing dimensions for the fragrance module (300 x 200 x 120 mm) and the control module (110 x 50 x 28 mm).

Additional downloads:

[Installation instructions SENSORY SKY^{ATT} exposed trim parts \(41 260 979\)](#)

[Installation instructions SENSORY SKY^{ATT} concealed rough parts \(35 260 970 90\)](#)

Plumbing / dry wall planning advice

Use this checklist to verify that you have all the information you need from your SENSORY SKY consultations. The following items are particularly important:

- A pre-wall system is required, recess depth concealed rough parts for eVALVE (hand shower set) min. 139 mm - max. 164 mm

- Suspended ceiling structure, adapted to ceiling installation enclosure for rain panel: min. 185 mm to bottom edge of the ceiling

- Max. distance between mounting bracket of the ceiling installation enclosure for rain panel and the metal frame of the ceiling structure: 140 mm (center-to-center)

- No strain must be transferred from the ceiling structure to ceiling installation enclosure for rain panel

- Place the mounting brackets into the correct slot of the installation enclosure depending on the thickness of the panelling (12.5 or 20 mm)

- Use screws with drill head (min. 3.5 x 25 mm) to mount ceiling panelling to the mounting bracket of the installation enclosure

- Fixation material for the ceiling panel has to be chosen based on the ceiling construction. Min. strength: 2000 N

- Conform to fire protection regulations

- Calculate the piping (e.g. according to DIN 1988-3 / EN 806-3)

- Calculate optimum choice of hot water storage device (e.g. according to DIN 4708, DIN 1988-20)

- A pressure reducing valve to be provided by the customer (installed after the water meter according to DIN 1988)

- Main water filter (back-flushable) to be provided by customer (e.g. according to DIN 1988)

- The following components (scope of delivery) have to be positioned to be accessible at all times:
 - 4 x Shut off for hot and cold water pipes (DN 20)
 - 2 x Filter for hot and cold water pipes (DN 20)
 - 2 x Backflow preventer Type BA according to EN 1717 for hot and cold water pipes

- Hot-water temperature range during operation 50 - 60 °C

- Thermal disinfection (3 - 10 min.) 75 °C (e.g. DVGW W551)

- Cold-water temperature range during operation 5 - 20 °C

- Recommended water hardness: 5 - 6 °e

- Flow pressure during operation 2.5 - 4.0 bar

- Recommended flow pressure during operation 3.0 bar

System partner / Installer

Project

Date:

Signature System partner / Installer

Plumbing / dry wall planning advice

Use this checklist to verify that you have all the information you need from your SENSORY SKY consultations. The following items are particularly important:

- Maximum difference in flow pressure between hot and cold water 1.0 bar
- Water supply (HW + CW) 2x DN 20 – G1/2" to be connected via concealed rough for eVALVE (hand shower set). The pipe diameter (DN 20) has to be adhered to for both pipes and fittings
- A min. distance for a circulation pipe (DN 15) of 900 mm from the eVALVE (hand shower set) is required if a hot water circulation system is installed
- Leaktest after rough installation according to EN 806-4 / DIN 1988-2
- Pipe flushing after rough installation according to EN 806-4 / DIN 1988-2
- Calculate optimum floor drain sizing, connected rating 1.5 l/s., drainage pipe DN 75 (calculated according to e.g. DIN 1986)

System partner / Installer
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Project
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Date:
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Signature System partner / Installer
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Electrical and fragrance planning advice

Use this checklist to verify that you have all the information you need from your SENSORY SKY^{ATT} consultations. The following items are particularly important:

- Maximum distance between fragrance modules and ceiling installation enclosure for rain panel: 12 m

- Maximum vertical height between fragrance modules and ceiling installation enclosure for rain panel: 4 m

- Max. distance between the fragrance modules and the sub-distribution board: 1 m

- Max. distance between the ceiling installation enclosure for rain panel and the sub-distribution board: 12 m

- The fragrance modules have to be installed outside the wet zone in an accessible area. They must not be installed above the sub-distribution

- Space required for fragrance modules: 1000 x 210 x 140 mm (overall dimensions). We recommend installation using xGrid track art. no. 12 320 970 90

- Space required for all components in the sub-distribution board: approx. 500 x 500 mm (internal dimensions)

- The ethernet cable from the SENSORY SKY^{ATT} is to end up in the sub-distribution board. A network outlet according to TIA 568A is necessary to connect SENSORY SKY^{ATT} to a network. The local network has to be behind a router with firewall.

- The customer must provide ductwork according to the planning guide

- Equipotential bonding 2 x 4 mm² for ceiling installation enclosure for rain panel and concealed rough part eVALVE (hand shower set) have to be provided by the customer

- The total length of all connecting cables (from ceiling installation enclosure for rain panel to concealed rough part eVALVE to control elements until the control module fragrance in the sub-distribution board) must not be longer than 30 m

- Install the terminating resistor on the last element in the loop connected via connecting cables

- Hole diameter 56 mm for concealed rough parts for electronic control elements

- The installation of the connecting cable and concealed rough parts for electronic control elements has to occur at the same time that the pre-wall is closed

- Fasten connecting cables in the pre-wall (via cable ties) Be sure to leave enough cable in front of cable tie for later connection

- The customer must provide the following circuit-breakers and electrical components
 - Earth leakage circuit breaker (30 mA, 2-pin, type A)
 - Safety cutout (6 A, type B),
 - 3 x circuit breaker (16A, Type 1S)
 - Equipotential bonding busbar in subdistribution board
 - Equipotential bonding (4 mm²) for concealed rough part eVALVE (hand shower set)

- Electrical installation in accordance with VDE 0100. Please conform to national statutory regulations, where different

System partner / Installer
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Project
.....

Date:
.....

Signature System partner / Installer
.....

Plumbing / dry wall rough-in

Use this checklist to verify that you have all the information you need from your SENSORY SKY^{ATT} consultations. The following items are particularly important (*details: see planning advice*):

- Checked installation and level for ceiling installation enclosure for rain panel
- Checked connection of suspended ceiling and ceiling installation enclosure for rain panel
- Checked fastening and level installation for concealed rough part eVALVE (hand shower set)
- Anti-water packing installed
- Checked min./ max. rough-in depth for ceiling and wall
- Checked water supply lines for hot water, cold water and circulation line (min. distance 900 mm)
- Flushed pipes with clean water according to EN 806-4 / DIN 1988-2, wrote flushing report
- Checked for leaks according to EN 806-4 / DIN 1988-2, wrote test report
- 2x back flow preventer DN 20 Type BA according to EN 1717 (1x hot water, 1x cold water) installed in accessible area
- Separate cutoff for the hot and cold water pipes installed
- Filter for hot and cold water installed
- Pressure reducing valve and main filter installed after the water meter

System partner / Installer

Project

Date:

Signature System partner / Installer

Positioning recommendations	Installation Data and standards	Plumbing / dry wall planning advice
Components	Product overview	Electrical and fragrance planning advice
Zones of protection	CHECKLISTS	Plumbing / dry wall rough-in
Pre-wall installation		ELECTRICAL AND FRAGRANCE ROUGH-IN
		Trim installation / Start-up

Electrical and fragrance rough-in

Use this checklist to verify that you have all the information you need from your SENSORY SKY^{ATT} consultations. The following items are particularly important:

-
- Adhered to max. distances and max. vertical height

 - Installed three power supply units, fragrance control module, DC Filter and AC filter in sub distribution board

 - Installed Ethernet cable (coming from SENSORY SKY^{ATT}) in sub-distribution board

 - 2x power supply cables coming from ceiling installation enclosure for rain panel installed in sub-distribution board

 - Installed equipotential bonding 2 x 4 mm² for ceiling installation enclosure for rain panel and concealed rough part eVALVE (hand shower set)

 - Installed connecting cables between ceiling installation enclosure for rain panel, hand shower set, control elements and fragrance control module in sub-distribution board

 - Fastened Connecting cables in the pre-wall (via cable ties)

 - Installed all cables without damage to the cables

 - Checked electrical protection for SENSORY SKY^{ATT}:
 - Earth leakage circuit breaker (30 mA, 2-pin, type A)
 - Safety cutout (6 A, type B),
 - 3 x circuit breaker (16A, Type 1S)
 - Equipotential bonding busbar in subdistribution board
 - Equipotential bonding (4 mm²) for concealed rough part eVALVE (hand shower set)

 - Electrical installation in accordance with VDE 0100. Please conform to national statutory regulations, where different

System partner / Installer

Project

Date:

Signature System partner / Installer

Trim installation / Start-up

Use this checklist to verify that you have all the information you need for the trim installation and initial start-up of SENSORY SKY^{ATT}. The following items are particularly important:

- Flushed pipes prior to trim installation
- Checked power supply in sub distribution board
- Checked parts supplied for trim installation are complete
- Installed product immediately after opening the box
- Installed complete SENSORY SKY^{ATT}: rain panel, hand shower set, control elements, fragrance modules
- Installed fragrance modules in accessible area
- Installed power supply cables (NYM 3 x 1.5 mm²) in sub-distribution board
- Checked power supply at the fragrance modules (230V AC)
- Checked power supply (output) at the ceiling installation enclosure for rain panel (12 V DC)
- Installed the terminating resistor (Terminator) on the last element in the loop connected via connecting cables (fragrance control unit)
- Installed specification label in sub distribution board (e.g. door electrical cabinet)
- Installed three power supply units, fragrance control module, DC Filter and AC filter in sub distribution board
- Installed Ethernet cable (coming from SENSORY SKY^{ATT}) in sub-distribution board
- Shutoff for the hot and cold water pipes opened all the way
- Turned on power supply
- Installed three fragrance bottles, filled pumps manually for start-up until tubes are completely filled (installed reserve bottles if necessary)
- Checked all functions of SENSORY SKY^{ATT}
- Instructed owner/ operator in use of SENSORY SKY^{ATT}
- Handed over quickinfo and user manual
- Confirmed faultless operation with signature

System partner / Installer / Operator

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Project

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Date:

.....

Signature System partner / Installer / Operator

.....

Europe

DE	Dornbracht Hotline Technische Beratung E-Mail tservice@dornbracht.de	Phone +49 (0)2371 433 480 Fax +49 (0)2371 433 175
BE, LU	Gils & Gils BVBA E-Mail admin@gilsandgils.be	Phone +32 (0)3 235 636 6 +32 (0)3 235 252 1 Fax +32 (0)3 235 79 99
CH	Dornbracht Schweiz AG	Phone +41 (0)62 787 20 30
ES	Dornbracht España S.L.	Phone +34 93 272 391 0
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GR	Klimatechniki S.A.	Phone +30 (210)81 60 061
IT	Dornbracht Italia s.r.l.	Phone +39 02 81 83 43 1
LT, EE, LV	Arunas Jazukevicius	Phone +370 686 303 13
NL	Dornbracht Nederland B.V.	Phone +31 (0)10 5243400
PL	Honorata Broniowska	Phone +48 (0)95 728 261 7
PT	g-dEsign™	Tel. +351 919 899 942
RO, BG, MD	Reallize Consult SRL	Phone +40 21 528 03 91 Mob. +40 722 654 654
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AT, CZ, SK, HU, SI	Dornbracht Zentraleuropa GmbH	Phone +43 (0)2236 677360
CZ, SK	agentura kramářová	Mob. +420 724 207 528
HU	Z-A DESIGN Stúdió Kft.	Phone +36 26 381 553 Mob. +36 70 775 0954

Americas

US, CA, Central America, South America	Dornbracht Americas Inc.	Phone +1 800 774 1181 +1 (770) 564 3599
Mexico	German Concepts S.A. de C.V. Dornbracht Americas Inc.	Phone +52 (55)53 43 84 50 Phone +1 770 564-3599

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HK/MAC, JP, KR, TW, TH, VN, NZ, AUS	Dornbracht Asia Pacific Ltd.	Phone +852 2505 6254
SG, ML, ID, PH	Aloys F. Dornbracht GmbH & Co. KG Representative Office (RO) Singapore	Phone +65 6823 6813
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AE, BH, EG, IQ, IR, JO, KW, LB, OM, PK, QA, SA, SY, YE	Dornbracht International Holding GmbH (Rep Office)	Phone +971 4 380 6611
LB	Naji Kanafani & Fils	Phone +961 1 307 400

Aloys F. Dornbracht GmbH & Co. KG Armaturenfabrik, Köbbingser Mühle 6, D-58640 Iserlohn
Phone +49(0)2371 433-0, Fax +49(0)2371 433-232, mail@dornbracht.de, dornbracht.com

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