

theRonda P360 DALI-2 HCL UP WH

Item no.: 2080095

theben

Presence and motion detectors
Ceiling installation indoor

Description

- Passive infrared presence detector for ceiling mounting, DALI-2 certified
- Circular detection zone 360°, Ø 24 m, (452 m²) at 3 m mounting height
- DALI-2 addressable up to 4 channels of light
- Evaluates information from DALI push-button interfaces and controls actuators such as DALI ECGs or DALI relays according to DALI-2 standard
- Colour temperature control based on time of day HCL (Human Centric Lighting)
- Operation with RGBW light sources
- Time-controlled actions via integrated timer
- Flexible assignment of up to 4 lighting groups, additionally up to 4 switching groups and 2 presence groups via app
- Constant light control or dimmable lighting in switching mode with and without daylight influence, orientation light
- Switching mode and constant light control without presence influence
- 3 mixed light measurements
- Scenes can be created with any DALI ECGs and called up via push-buttons or remote control
- Simple integration of up to 4 DALI push-button interfaces (16 push-buttons) via app
- Simple, intuitive commissioning and operation thanks to app, bidirectional communication via BLE and thus simple reading of all parameters
- Connection protection to protect against third-party tampering
- Dimming speed manual dimming adjustable in 2 steps
- Self-learning switch-off delay time
- Shortening of the overrun time in case of short presence (short-time presence)
- Teach-in function
- Detection sensitivity adjustable
- Extremely simple setting of energy-saving behaviour (eco / eco plus)
- Selectable control speed
- Manual override via app, remote control or push-button
- Fully or semi-automatic
- Test mode for checking function and detection range
- Simple extension of the detection range through automatic integration of DALI-2 presence sensors
- App „DALI-2 RS Plug“ (for iOS / Android / Windows)
- Remote control „theSenda B“ (optional)
- Area restriction with cover clips (optional)
- - - - -
- Functional description DALI-2 Room Solution



Subject to technical changes and misprints

additional information at: www.theben.de/product/2080095

The load data are determined with exemplary selected illuminants and are therefore typical data due to the large number of available products.

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Description

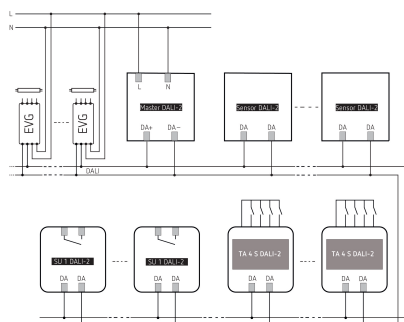
- The DALI-2 Room Solution is a DALI-2 single room solution that handles all aspects of lighting control
- Compared to DALI presence detectors, the DALI-2 Room Solution offers new functionalities such as HCL function, TW/RGB functionality, time-controlled functions and others
- For the single room solution, all key components (presence detector, switching actuator, push-button interface) and the app for commissioning are available from a single source

Technical data

theRonda P360 DALI-2 HCL UP WH	
Operating voltage	230 V AC
Frequency	50 Hz
Installation height	2 - 10 m
Maximum height	15 m
Minimum height	1.7 m
Installation type	Ceiling installation, Flush-mounted
Colour	White (similar RAL 9010)
Switching output	DALI
Power consumption	<0.7 W (without DALI device); < 1,6 W (with DALI output 150 mA)
Light measurement	Mixed light measurement
Setting range brightness	10 - 3000 lx
Light switch-off delay	10 s - 60 min
Stand-by time light	0 s - 180 min / on
Stand-by brightness	1 - 75 %

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Lamp types	Incandescent/halogen lamps, fluorescent lamps, Energy saving lamps, LEDs
Control output	150 mA, max. 250 mA (EN 62386-101)
Type of connection	Screw terminals
Max. cable cross section	max. 2 x 2,5 mm ²
Detection range	452 m ² (ø 24 m)
Detection angle	360°
Ambient temperature	-15°C ... 50°C
Type of protection	IP 54 (when fitted)
GWP Cradle-to-Gate (A1-A3)	4.77 kg CO ₂ eq
GWP Cradle-to-Grave (A1-C4)	11.59 kg CO ₂ eq

Connection example



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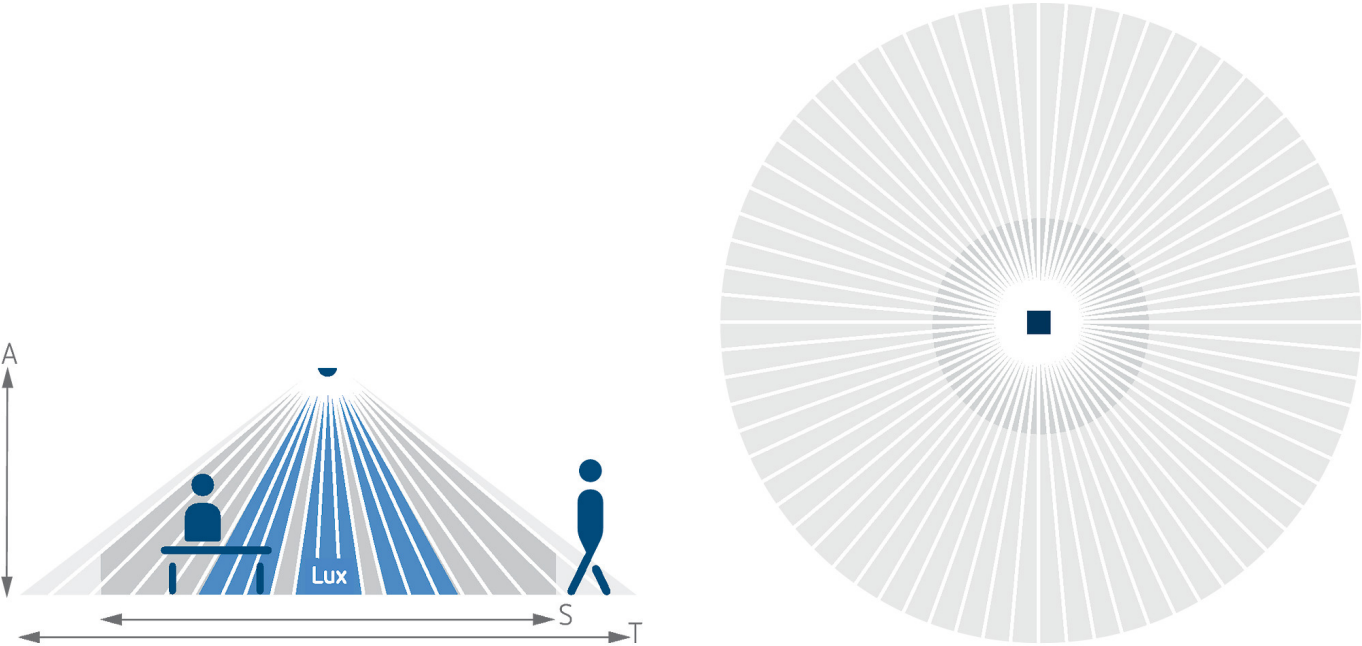
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Detection range for planning applications at a temperature of 21 °C

Mounting height (A)	Sitting (S)	Diagonally (T)	Head on to (R)
2 m	16 m² 4.5 m	380 m² 22 m	28 m² 6 m
2.5 m	24 m² 5.5 m	415 m² 23 m	38 m² 7 m
3 m	28 m² 6 m	452 m² 24 m	50 m² 8 m
3.5 m	38 m² 7 m	452 m² 24 m	50 m² 8 m
6 m		452 m² 24 m	50 m² 8 m
10 m		491 m² 25 m	50 m² 8 m



Detection range according to Sensnorm IEC 63180

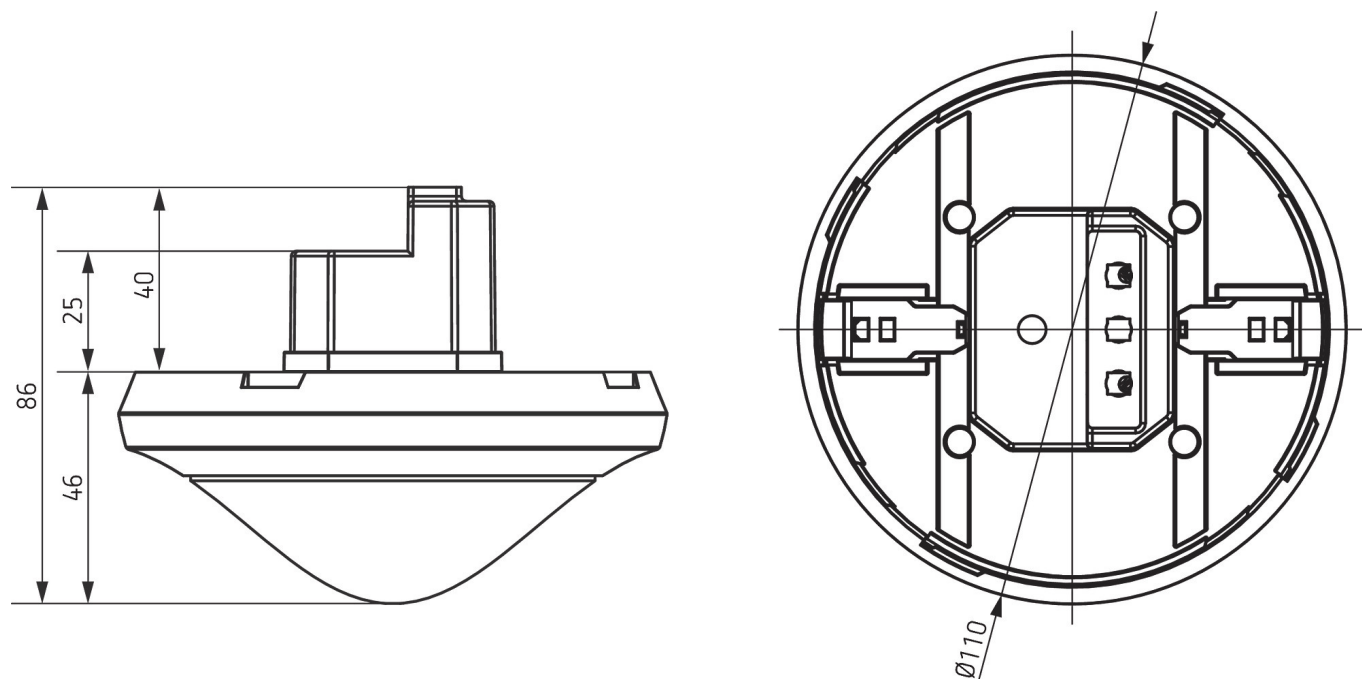
Mounting height (A)	Diagonally (T)	Head on to (R)	Sitting (S)
2.5 m	434 m² 23.5 m	55 m² 8.4 m	50 m² 8 m
10 m	707 m² 30 m	79 m² 10 m	
15 m	616 m² 28 m	141 m² 13.4 m	

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Scale drawings



Accessories

theSenda S

Item no.: 9070911



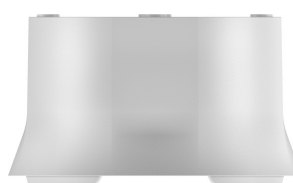
Surface frame 110A GR

Item no.: 9070913



Surface frame 110A WH

Item no.: 9070912



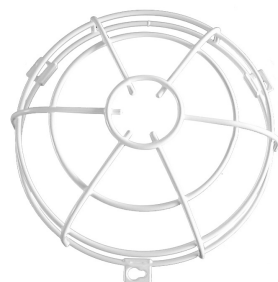
Masking clip

Item no.: 9070921



QuickSafe

Item no.: 9070531



theSenda B

Item no.: 9070985



Cover 110 GR

Item no.: 9070591



Ceiling installation box 68A

Item no.: 9070992



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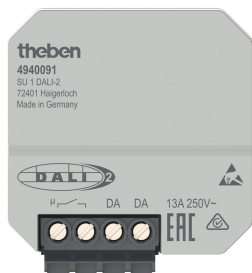
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Accessories

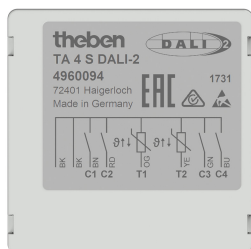
SU 1 DALI-2

Item no.: 4940091



TA 4 S DALI-2

Item no.: 4960094



Surface frame 110A BK

Item no.: 9070600



Cover 110 BK

Item no.: 9070851



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