

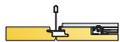
# Ecophon Square 43™

Ecophon Square 43™ is a fully integrated recessed luminaire, shaped as a square. Solution available for Focus Dg, Ds, E, Ez and Master Eg. The slim design of the luminaire makes the installation height low. The ballast is available as on/off and dimmable version. The louvre is designed for office environments.



Ecophon Office Germany, Lübeck, Germany

## SYSTEM RANGE



Size, mm	600x600	600x600
T24	•	•
Thickness	20	40
Inst. Diag.	M516, M518	M516, M518



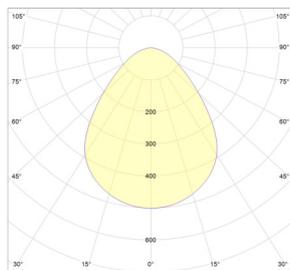
Ecophon Square LED Ds section



Ecophon Square LED Ds system



## Lighting performance



System effect: 27 W  
Light source: LED 24,5 W  
Luminous flux Square Dg, Ds, E: 3281 lm  
Luminous flux Square Eg, Ez: 2898 lm  
Light efficiency Square Dg, Ds, E: 121,4 lm/W  
Light efficiency Square Dg, Ds, E: 108 lm/W  
Colour temperature: 4000K  
Color rendering index: Ra  $\geq$ 80  
Colour tolerance: MacAdam  $\leq$ 3 SDCM  
Light output ratio (LOR): 100%  
Light distribution up/down: 0/100  
Expected lifespan: L90 >50 000 h  
Expected lifespan: L70 >100 000 h



## Connection

The standard on/off electronic HF ballast delivered with 2,5 meters of cable 3x0,75 mm<sup>2</sup> and Euro plugg. The SwitchDIM/DALI delivered without cable.



## Electrical data

220-240 V, 50-60 Hz, power factor  $\cos \phi > 0,98$ . Electronic HF ballast or electronic HF dim ballast for digital regulation.  
Light source: led module of 27W total.



## Electrical approvals

IP20, Class 1.



## Visual appearance

Tile surface finish; White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



## Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



## Accessibility

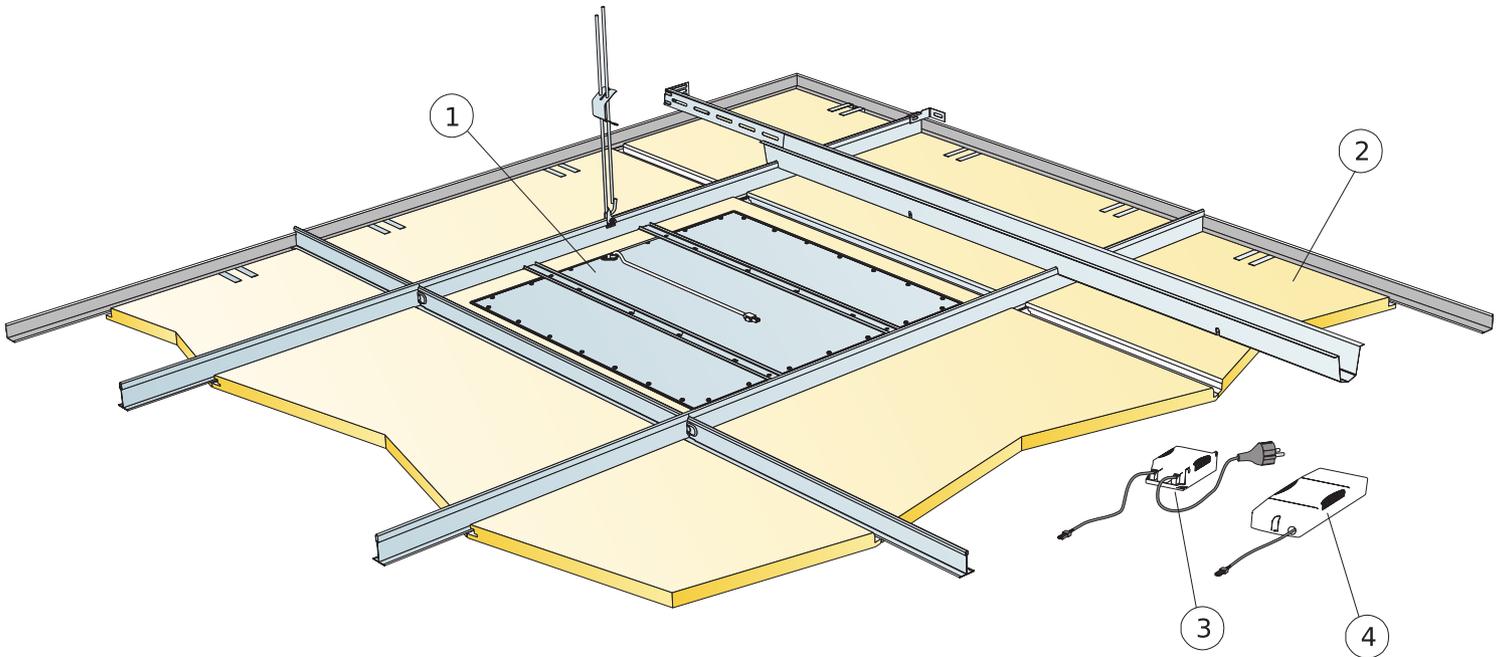
The tiles are easily demountable. Minimum demounting depth according to installation diagrams.



## Installation

Installed according to system range which include information regarding minimum overall depth of system. The tile with luminaire housing rests on the T-profiles and the SwitchDIM/DALI and standard on/off ballasts are fastened to the grid or tile next to the luminaire with velcro. Once the tile with luminaire and ballast are in place a certified installation electrician must connect the wiring to sockets or to the next luminaire.

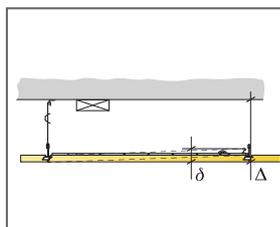
## INSTALLATION DIAGRAM (M516) FOR ECOPHON DOT LED DS



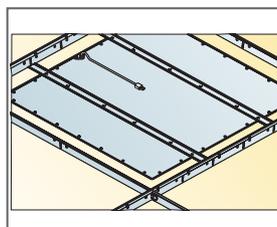
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### QUANTITY SPECIFICATION (EXCL. WASTAGE)

	<b>Size, mm</b>
	<b>600x600</b>
1 Ecophon Dot/Square LED Ds Kit	1/luminaire
2 Focus Ds (adjacent ceiling)	as required
3 Ecophon Dot/Square/Line standard On/Off Ballast (included) (Alt.1)	-
4 Ecophon Dot/Square/Line SwitchDIM/DAI Ballast (included) (Alt.2)	-
Δ Min. overall depth of system: 115 mm	-
δ Min. demounting depth: 50 mm	-
When selecting standard on/off ballast, connect only to a toggle power switch. When using the SwitchDIM/DAI ballast connecting the SwitchDIM function, use a spring loaded power switch.	-
When selecting the SwitchDIM/DAI ballast utilizing the DAI function, connect only to a DAI compatible controller.	-



See Quantity Specification

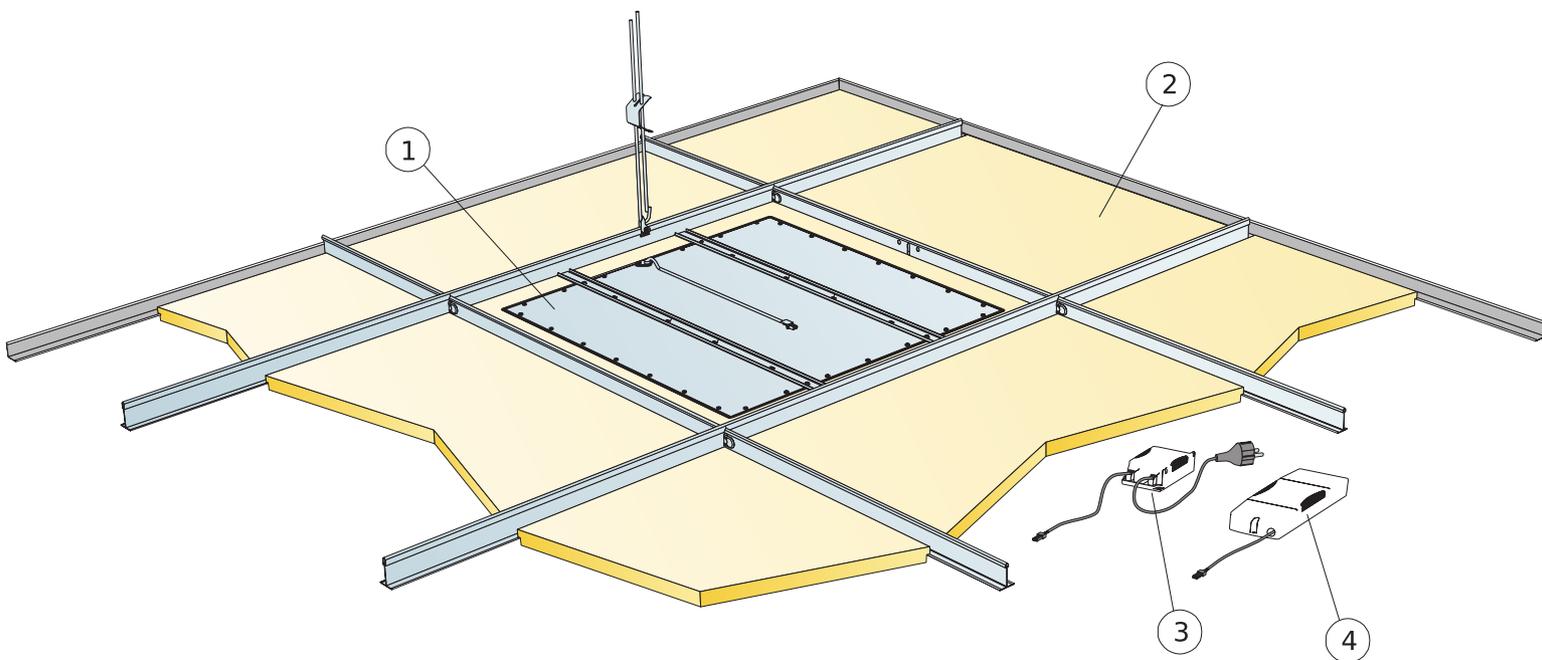


Dot Ds luminaire house resting on main runner

Size, mm	Max live load [N]	Min load bearing capacity [N]
600x600x20	0	160
600x600x40	0	160

Live load/load bearing capacity

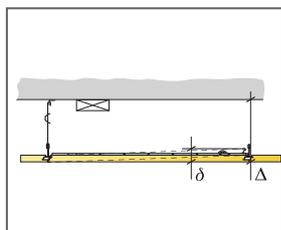
## INSTALLATION DIAGRAM (M518) FOR ECOPHON DOT LED DG, E, EG AND EZ



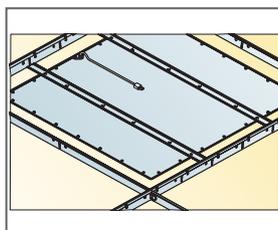
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### QUANTITY SPECIFICATION (EXCL. WASTAGE)

	Size, mm
	<b>600x600</b>
1 Ecophon Dot/Square LED Dg, E, Eg or Ez Kit	1/luminaire
2 Focus Dg, E, Eg or Ez T24 (adjacent ceiling)	as required
3 Ecophon Dot/Square/Line standard On/Off Ballast (included) [Alt.1]	-
4 Ecophon Dot/Square/Line SwitchDIM/DAI Ballast (included) [Alt.2]	-
Δ Min. overall depth of system: 115 mm	-
δ Min. demounting depth: 50 mm	-
When selecting standard on/off ballast, connect only to a toggle power switch. When using the SwitchDIM/DAI ballast connecting the SwitchDIM function, use a spring loaded power switch.	-
When selecting the SwitchDIM/DAI ballast utilizing the DAI function, connect only to a DAI compatible controller.	-



See Quantity Specification



Dot Dg, E, Eg and Ez luminaire house resting on main runner

Size, mm	Max live load (N)	Min load bearing capacity (N)
600x600x20	0	160
600x600x40	0	160

Live load/load bearing capacity