

Soundlight Comfort Ceiling A

Soundlight Comfort Ceiling A is an embedded lighting and acoustic ceiling system. The application area is mainly open office spaces. Soundlight Comfort Ceiling A has an exposed grid system and each tile is easily demountable.

The system consists of sound absorbing lighting emitting LED Tiles, sound absorbing Tiles, Control box, OccuSwitch DALI, and the Connect grid system. The system has a weight of 6 kg/m². All tiles have a core manufactured from high density glass wool utilizing the 3RD Technology. The LED Tile has a thickness of 60mm and the Tile has a thickness of 40mm.

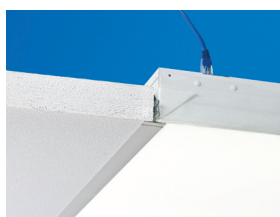
Soundlight Comfort Ceiling A is unique with respect to the light design with wide distribution, large surface illuminated and that the highest possible sound absorption is integrated in every tile. The LED Tile is available in colour temperature 3000K and 4000K. For a lux level according to office norms approximately 40% of the ceiling should be covered with LED Tiles.

The LED Tile is patent pending (12189737.5).



SYSTEM RANGE

Size, mm	600	1200
T24	x 600	x 600
Thickness	60	60
Inst. Diagr.	M324	M324



Section of Soundlight Comfort Ceiling A system with Ceiling cable



Soundlight Comfort Ceiling A system with Ceiling cable



Soundlight Comfort Ceiling



An unlit Soundlight Comfort Ceiling

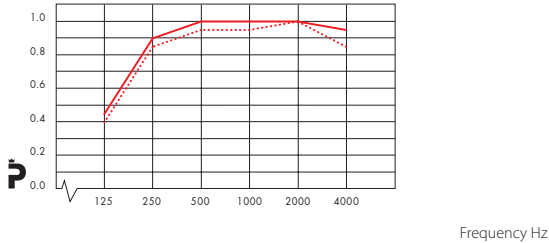
TECHNICAL PROPERTIES

ACOUSTIC

Sound Absorption: Test results according to EN ISO 354.

Classification according to EN ISO 11654.

α_p Practical sound absorption coefficient



— Soundlight Comfort Ceiling A Tile 200 mm o.d.s.
 - - - Soundlight Comfort Ceiling A LED Tile 200 mm o.d.s.
 o.d.s = overall depth of system

Product	LED Tile	Tile
o.d.s mm	200	200
absorption class	A	A
aw	0,95	1,00

Sound Insulation: Not applicable.

Sound Privacy: LED Tile AC(1.5)=200 and Tile AC(1.5)=200 according to ASTM E 1111 and E 1110.

ACCESSIBILITY The tiles are demountable.

CLEANABILITY Weekly dusting and vacuum cleaning.

VISUAL APPEARANCE Tile, nearest NCS colour sample S 0500-N, 81% light reflectance. LED Tile (unlit), nearest NCS colour sample NCS S 1000-N, 66% light reflectance.

INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 75% at 30°C without sagging, warping or delaminating (ISO 4611).

INDOOR CLIMATE Certified by the Indoor Climate Labelling, emission class M1 for building materials and recommended by the Swedish Asthma and Allergy Association.

ENVIRONMENTAL INFLUENCE The Tile have a glass wool core utilizing 3RD Technology. Granted the Nordic Swan eco-label. Fully recyclable. The LED Tile is partly recyclable.

FIRE SAFETY The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.

Reaction-to-fire classification

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

MECHANICAL PROPERTIES The Tile can take small loads of maximum 500g with largest aperture diameter of 100 mm. The LED Tile should only take the load of the Control box, no other additional live load allowed.

INSTALLATION Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification. Ambient temperature span for installation of LED Tile, +10° C < T < 35° C. Number of LED Tiles connected to control box: 600x600, 2-5. 1200x600, 1-2. Emergency light is optional (to be ordered separately).

ELECTRICAL DATA :

Mains voltage: 230-240V / 50Hz

Power consumption control box: 50W max

Output control box: Low voltage (< 60V)

Light source: LED (included)

Power consumption LED Tile: 600x600 10W, 1200x600 20W

System efficacy: 65-70 lm/W

Dimming: Compatible with DALI controllers

CONNECTION :

Ceiling cable: CAT 5 cable (RJ45 connection)

Control box: Wieland (GST18i3) and DALI (BST14i2)

Power cable: Wieland (GST18i3)

Power extension: Wieland (GST18i3)

DALI extension: DALI (BST14i2)

OccuSwitch cable: Wieland (GST18i3) and DALI (BST14i2)

LIGHTING PERFORMANCE

Beam angle: 108°

Luminous flux: 600x600 700lm, 1200x600 1400lm

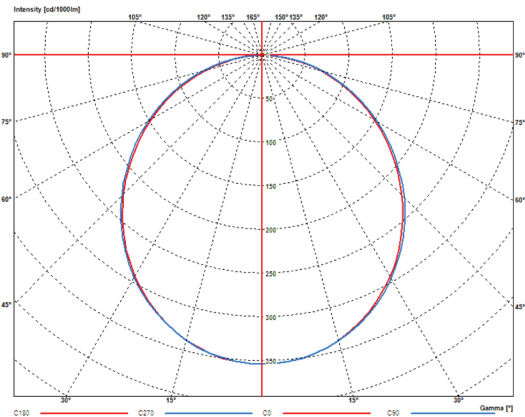
Colour temperature: 3000K or 4000K

Colour rendering index (Ra): > 80

Unified glare rating: < 16

Maintenance of lumen output: L90 > 30000 h at 25° C

Maintenance of lumen output: L70 > 50000 h at 25° C



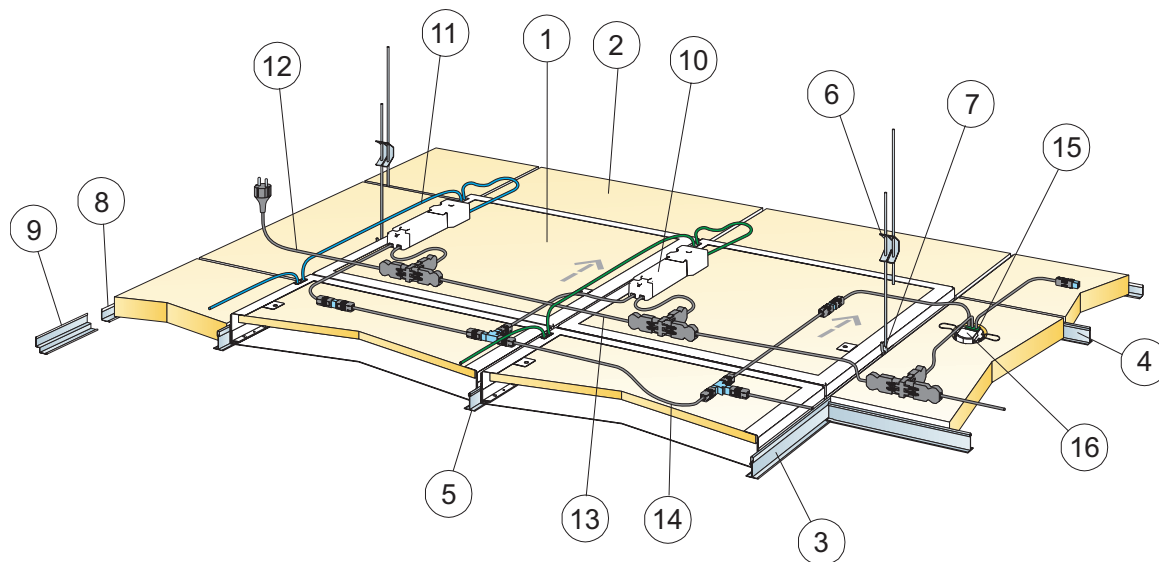
ELECTRICAL APPROVALS :

Control box: IP20, Class I

LED Tile: IP20, Class III

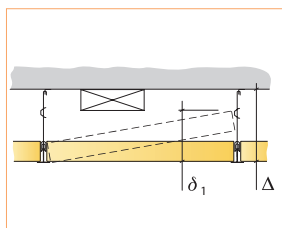


INSTALLATION DIAGRAM (M324) FOR SOUNDLIGHT COMFORT CEILING A

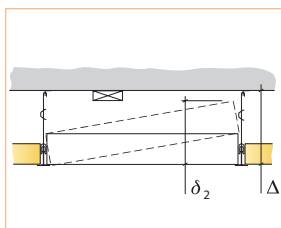


QUANTITY SPECIFICATION (EXCL. WASTAGE)

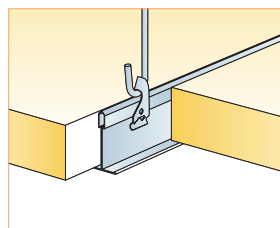
	Size, mm	
	600x600	1200x600
1 SLCOMF Ceiling A LED Tile (Colour temperature: 3000K (830) or 4000K (840))	as required	as required
2 SLCOMF Ceiling A Tile	as required	as required
3 Connect T24 Main runner, installed at 1200 mm centres (max distance from wall 600 mm)	0,9m ²	0,9m ²
4 Connect T24 Cross tee, L=1200 mm, installed at 600 mm centres	1,7m ²	1,7m ²
5 Connect T24 Cross tee, L=600 mm	0,9m ²	-
6 Connect Adjustable hanger, installed at 1200 mm centres (max. distance from wall 600 mm)	0,7m ²	0,7m ²
7 Connect Hanger clip	0,7m ²	0,7m ²
8 Connect Angle trim, fixed at 300 mm centres	as required	as required
9 Connect Shadow-line trim, fixed at 300 mm centres	as required	as required
10 SLCOMF Ceiling Control box (includes power and DALI splitter)	as required	as required
11 SLCOMF Ceiling Cable, L = 1000 / 2000 / 5000 mm	as required	as required
12 SLCOMF Ceiling Power Cable, L = 3000 mm	as required	as required
13 SLCOMF Ceiling Power extension, L = 1000 / 3000 mm	as required	as required
14 SLCOMF Ceiling DALI extension, L = 1000 / 3000 mm	as required	as required
15 SLCOMF OccuSwitch cable, L = 500 mm	as required	as required
16 SLCOMF OccuSwitch	as required	as required
Δ Min. overall depth of system: 140 mm		
δ1 Min. demounting depth: 170 mm		
δ2 Min. demounting depth: 230 mm, LED Tile with SLCOMF Ceiling Control box is not directly demountable		



See Quantity specification



See Quantity specification



Suspension with adjustable hanger and clip

Size, mm	Max live load (N)	Min load bearing capacity (N)
600x600	30	160
1200x600	30	160

Live load/load bearing capacity