

Ecophon Solo™ Circle

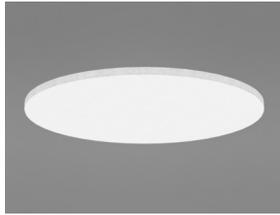
Solo Circle is a free hanging unit, offering high level design possibilities. Three different suspension systems offer opportunities to create several layers and angles. Suitable when the room volume should be maintained or when it's not possible to install a wall-to-wall ceiling.



Astra Zeneca, Warsaw, Poland

SYSTEM RANGE

 Size, mm	Ø800	Ø1200
Special Fixing	•	•
Thickness	40	40
Inst. Diag.	M411	M410



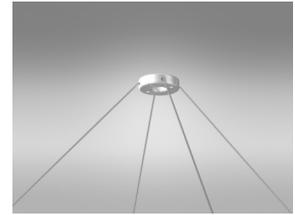
Solo Circle



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with One-point fixing



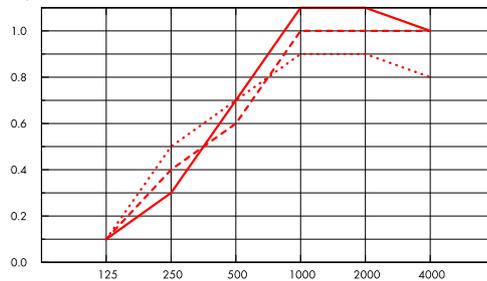
Acoustic

The values in the diagram refer to a single unit. If the units are arranged in a cluster with distances between units less than 0,5 meters, the Aeq per unit will be slightly reduced.

Sound Absorption:

Test results according to EN ISO 354.

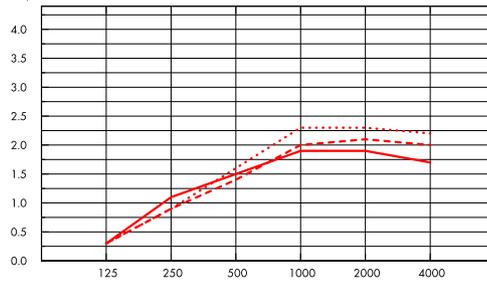
A_{eq}: Equivalent absorption area per unit (m² sabin)



- Solo Circle Ø800, 200 mm o.d.s.
 - - - Solo Circle Ø800, 400 mm o.d.s.
 - · · Solo Circle Ø800, 1000 mm o.d.s.
- o.d.s = overall depth of system

Frequency Hz

A_{eq}: Equivalent absorption area per unit (m² sabin)



- Solo Circle Ø1200, 200 mm o.d.s.
 - - - Solo Circle Ø1200, 400 mm o.d.s.
 - · · Solo Circle Ø1200, 1000 mm o.d.s.
- o.d.s = overall depth of system

Frequency Hz

	THK mm	o.d.s. mm	A _{eq} : Equivalent absorption area per unit (m ² sabin)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Ø800	40	200	0.1	0.3	0.7	1.1	1.1	1.0
Ø800	40	400	0.1	0.4	0.6	1.0	1.0	1.0
Ø800	40	1000	0.1	0.5	0.7	0.9	0.9	0.8

	THK mm	o.d.s. mm	A _{eq} : Equivalent absorption area per unit (m ² sabin)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Ø1200	40	200	0.3	1.1	1.5	1.9	1.9	1.7
Ø1200	40	400	0.3	0.9	1.4	2.0	2.1	2.0
Ø1200	40	1000	0.3	0.9	1.6	2.3	2.3	2.2

Indoor Air Quality



Certificate / Label	Standard	Plant
Eurofins Indoor Air Comfort®	IAC	IAC Gold
French VOC	A	A+
Finnish M1	•	•





Environmental Footprint

	kg CO ₂ equiv/m ²
Solo Circle	10,35
Solo Circle/Plant	5,21

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804



Circularity

Minimum post-consumer recycled content	57%
Recyclability	Fully recyclable



Fire safety

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

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



Humidity Resistance

Product	
Standard	Class C, RH 95% and 30°C
Plant	Class A, RH 70% and 25°C

According to EN 13964:2014



Visual appearance

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 demountable.



Installation

Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.



System weight

Approximately 2-4,5 kg.



Mechanical properties

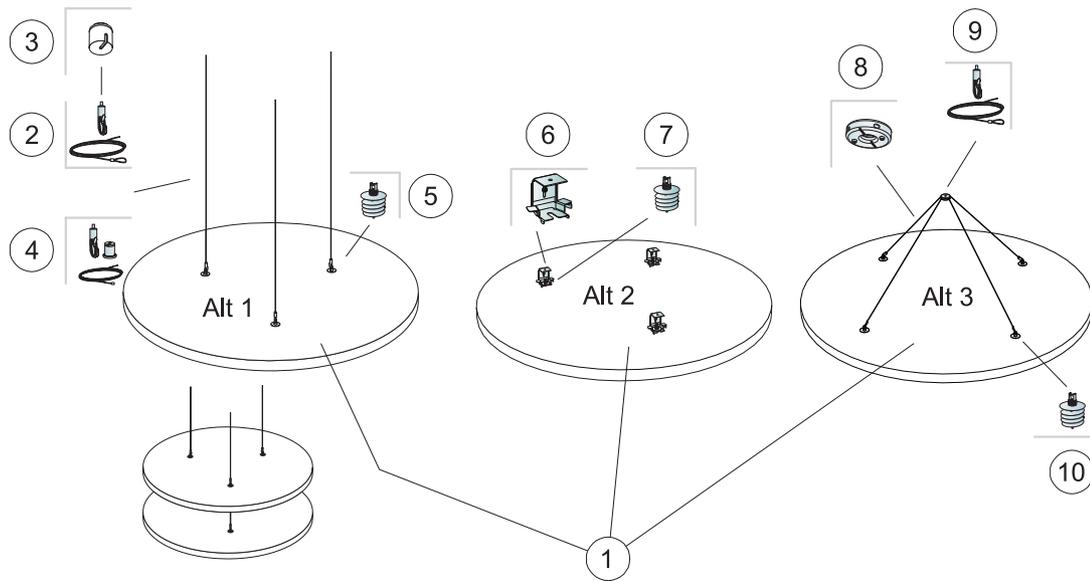
The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.



CE

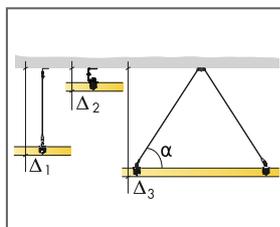
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

INSTALLATION DIAGRAM (M410) FOR ECOPHON SOLO CIRCLE

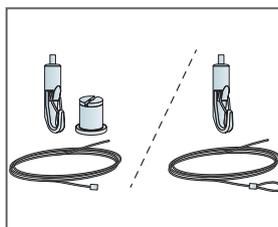


QUANTITY SPECIFICATION [EXCL. WASTAGE]

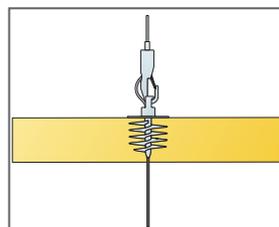
		Size, mm
		Ø1200
1	Solo Circle	1,13m ² /panel
2	Connect Adjustable wire hanger (Alt 1)	3/panel
3	Connect Covering cup (Alt 1, Optional)	3/panel
4	Connect Adjustable wire Kit (Alt 1, Optional)	3/panel
5	Connect Absorber anchor (Alt 1)	3/panel
6	Connect Absorber bracket (Alt 2)	3/panel
7	Connect Absorber anchor (Alt 2)	3/panel
8	Connect One-point fixing (Alt 3)	1/panel
9	Connect Adjustable wire hanger (Alt 3)	2/panel
10	Connect Absorber anchor (Alt 3)	4/panel
Δ Min. overall depth of system: Δ1 140 mm / Δ2 90 mm / Δ3 500 mm		-



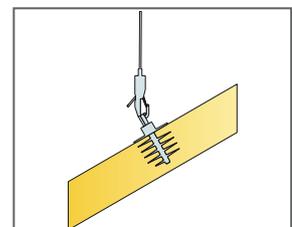
See Quantity specification



Two types of Adjustable wire solutions

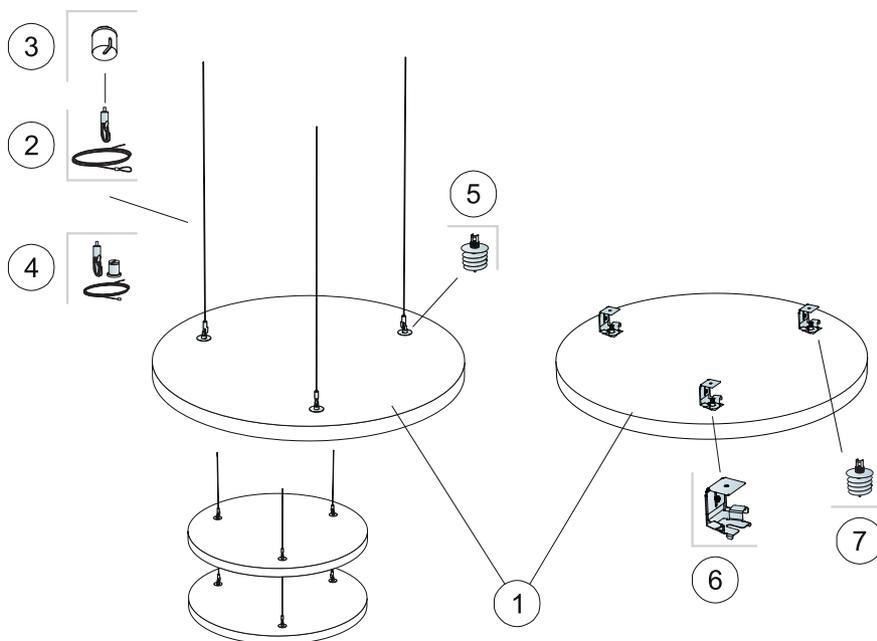


Panels can be suspended underneath each other



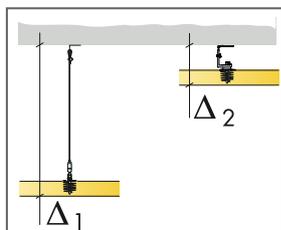
Panels can be installed in angles

INSTALLATION DIAGRAM (M411) FOR ECOPHON SOLO CIRCLE

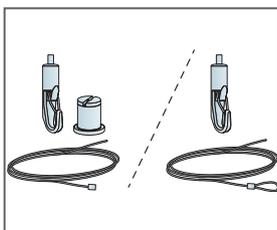


QUANTITY SPECIFICATION (EXCL. WASTAGE)

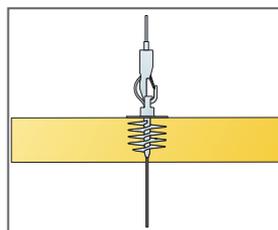
		Size, mm
		Ø800
1	Solo Circle	0,5m ² /panel
2	Connect Adjustable wire hanger (Alt 1)	3/panel
3	Connect Covering cup (Alt 1, Optional)	3/panel
4	Connect Adjustable wire Kit (Alt 1, Optional)	3/panel
5	Connect Absorber anchor (Alt 1)	3/panel
6	Connect Absorber bracket (Alt 2)	3/panel
7	Connect Absorber anchor (Alt 2)	3/panel
Δ Min. overall depth of system: Δ1 140 mm / Δ2 90 mm		-



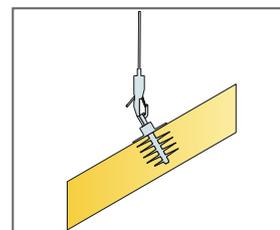
See Quantity specification



Two types of Adjustable wire solutions



Panels can be suspended underneath each other



Panels can be installed in angles