



ECHO**JAZZ** AG
RINGSTRASSE 25
6010 KRIENS
SWITZERLAND
[WWW.ECHO**JAZZ**.COM](http://WWW.ECHOJAZZ.COM)
+41 41 340 18 80
[INFO@ECHO**JAZZ**.COM](mailto:INFO@ECHOJAZZ.COM)

ECHOCRATE® 24MM PRODUCT DATASHEET

TABLE OF CONTENTS



TABLE OF CONTENTS	2
TENDER TEXT	3
DATASHEET ECHOBOARD® 24MM	4
COLOURS	5
DIMENSIONS & PARTS	6
ECHOCRATE® 24MM HEXAGON LIGHT	6
ECHOCRATE® 24MM HEXAGON BALANCED	7
ECHOCRATE® 24MM HEXAGON COMPACT	8
ECHOCRATE® 24MM SQUARE LIGHT	9
ECHOCRATE® 24MM SQUARE BALANCED	10
ECHOCRATE® 24MM SQUARE COMPACT	11
ECHOCRATE® 24MM ROUND LIGHT	12
ECHOCRATE® 24MM ROUND BALANCED	13
ECHOCRATE® 24MM ROUND COMPACT	14
ECHOCRATE® 24MM RECTANGLE S LIGHT	15
ECHOCRATE® 24MM RECTANGLE S BALANCED	16
ECHOCRATE® 24MM RECTANGLE S COMPACT	17
ECHOCRATE® 24MM RECTANGLE M LIGHT	18
ECHOCRATE® 24MM RECTANGLE M BALANCED	19
ECHOCRATE® 24MM RECTANGLE M COMPACT	20
ECHOCRATE® 24MM RECTANGLE L LIGHT	21
ECHOCRATE® 24MM RECTANGLE L BALANCED	22
ECHOCRATE® 24MM RECTANGLE L COMPACT	23
INSTALLATION	24
ECHOCRATE® 24MM INSTALLATION	24
CLEANING & CARE	25

PRODUCT NAME

EchoCrate® 24mm

DESCRIPTION

High-performance acoustic shelf consisting of a wall absorber with a textile surface made of 100% PET and upcycled wooden crates as storage space.

EchoCrate® is the elegant acoustic solution for storage space in a small area. The EchoBoard® wall panel can be configured in any colour and shape and can be used in a wide variety of areas. The seemingly floating wall shelf is mounted on a powder-coated metal frame or a customised solution.

For the first time, the design combines two recycling concepts of beverage packaging, PET bottles and wine crates. Recycled PET was used to produce the decorative acoustic board and the practical shelves are made from upcycled wooden crates.

PRODUCT PROPERTIES

Thickness EchoBoard® 24mm: 24mm +/- 5%

Weight EchoBoard® 24mm: 3600g/m² +/- 5%

ACOUSTIC PERFORMANCE

aw: 0.50-1.00

NRC: 0.70-0.95

INSTALLATION

- Quick installation with screws and suspension bracket
- Suitable for use indoors as well as covered outdoor spaces
- Very easy to re-cut with a knife

MATERIAL PROPERTIES

- Homogeneous edges throughout
- Extremely robust and shockproof
- Very high colour fastness of the all-round homogeneous textile surface available in 7 colours
- Dimensionally stable up to 50°C and 95%rH
- Flame retardant. B-s2,d0 certified according to EN 13501
- Extremely low volatile organic compounds below < 0.5mg/m²/h, certified according to ASTM D5116
- Formaldehyde emission below < 0.1mg/m²/h, certified according to ASTM D5116
- Alkalinity: pH: 7.8 (pH 7 is neutral)
- Melting point: 250 °C
- Decomposition Temp: > 250 °C

CLEANING & CARE

Can be cleaned dry and damp with chlorine or hydrogen peroxide.

ENVIRONMENT

- 100% PET with a content of over 50% from recycled PET bottles
- 100% recyclable
- eco-1 rating within eco-bau & Minergie-Eco requirements
- Cradle to Cradle Bronze certified

DISPOSAL

The product is recyclable as part of ECHOJAZZ's stewardship programme.

DATASHEET ECHOBOARD® 24MM



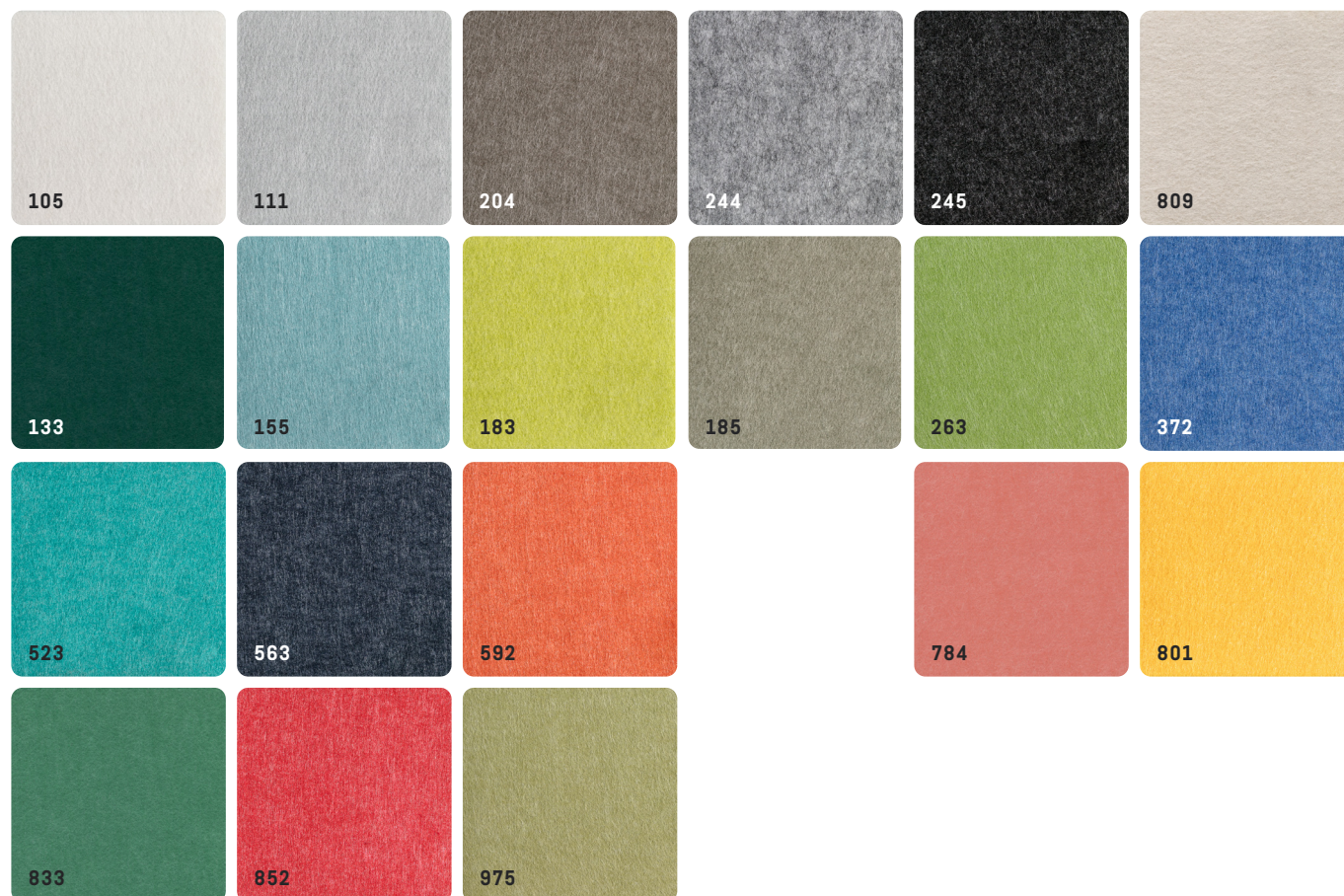
EchoBoard® 24mm is a high quality sound absorber with an α_w of up to 1.00 and a NRC of up to 0.95, which can be used for acoustic ceilings, walls, office desks or room dividers.

DESCRIPTION	EchoBoard® 24mm																												
DIMENSIONS	2400mmx1800mm +/- 5%																												
COMPOSITION	100% PET (> 50% recycled PET)																												
PET BOTTLES* PER PANEEL	324 PET Bottles *The number of PET bottles refers to 500ml PET bottles with a bottle weight of 24g.																												
WEIGHT	3600g/m² +/- 5%																												
MATERIAL THICKNESS	24mm +/- 5%																												
LIGHTFASTNESS ISO 105-B02-1994	> 7																												
FIRE TEST EN 13501	B-s2, d0																												
VOC EMISSIONS ASTM D5116	< 0.5mg/m2/h																												
FORMALDEHYDE EMISSIONS ASTM D5116	< 0.1mg/m2/h																												
ENVIRONMENTAL CERTIFICATIONS	eco-1 rating within eco-bau & Minergie-Eco requirements																												
SOUND ABSORPTION DIN EN ISO 11654 ASTM C423	aw 0.50 (0mm air gap) aw 0.65 (50mm air gap) aw 1.00 (200mm air gap) NRC = 0.70 (0mm air gap) NRC = 0.80 (50mm air gap) NRC = 0.95 (200mm air gap)																												
COLOURS	21																												
SOUND ABSORPTION GRAPH	The graph plots the Sound Absorption Coefficient (Y-axis, 0.00 to 1.20) against Frequency in Hertz (X-axis, 125 to 4000 Hz). Three curves are shown: a light grey line for 00mm air gap, a medium grey line for 50mm air gap, and a black line for 200mm air gap. The 200mm curve starts at ~0.52 at 125 Hz, peaks at ~1.08 at 700 Hz, and ends at ~1.00 at 4000 Hz. The 50mm curve starts at ~0.15 at 125 Hz, peaks at ~1.05 at 1000 Hz, and ends at ~1.00 at 4000 Hz. The 00mm curve starts at ~0.02 at 125 Hz, peaks at ~1.08 at 2500 Hz, and ends at ~1.08 at 4000 Hz. <table><caption>Approximate data points from the Sound Absorption Graph</caption><thead><tr><th>Frequency (Hz)</th><th>00mm Air Gap (NRC)</th><th>50mm Air Gap (NRC)</th><th>200mm Air Gap (NRC)</th></tr></thead><tbody><tr><td>125</td><td>0.02</td><td>0.15</td><td>0.52</td></tr><tr><td>250</td><td>0.15</td><td>0.35</td><td>0.85</td></tr><tr><td>500</td><td>0.40</td><td>0.75</td><td>0.95</td></tr><tr><td>1000</td><td>0.85</td><td>1.05</td><td>0.88</td></tr><tr><td>2000</td><td>1.05</td><td>1.00</td><td>0.95</td></tr><tr><td>4000</td><td>1.08</td><td>1.00</td><td>1.00</td></tr></tbody></table> — Sound Absorption Coefficient (00mm) — Sound Absorption Coefficient (50mm) — Sound Absorption Coefficient (200mm)	Frequency (Hz)	00mm Air Gap (NRC)	50mm Air Gap (NRC)	200mm Air Gap (NRC)	125	0.02	0.15	0.52	250	0.15	0.35	0.85	500	0.40	0.75	0.95	1000	0.85	1.05	0.88	2000	1.05	1.00	0.95	4000	1.08	1.00	1.00
Frequency (Hz)	00mm Air Gap (NRC)	50mm Air Gap (NRC)	200mm Air Gap (NRC)																										
125	0.02	0.15	0.52																										
250	0.15	0.35	0.85																										
500	0.40	0.75	0.95																										
1000	0.85	1.05	0.88																										
2000	1.05	1.00	0.95																										
4000	1.08	1.00	1.00																										

COLOURS



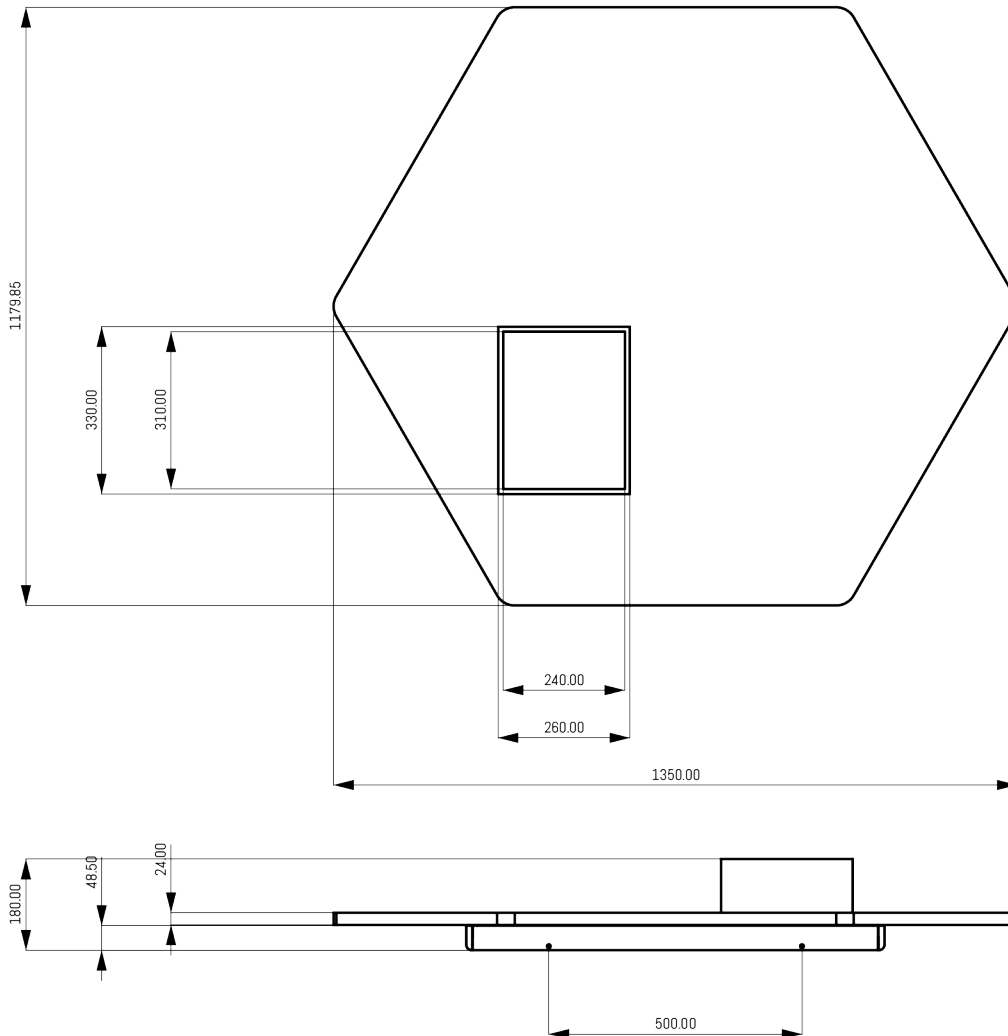
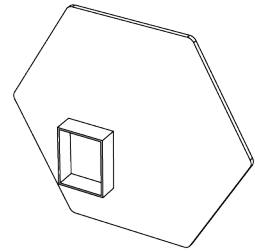
ECHObOARD® 24MM



DIMENSIONS & PARTS



ECHOCRATE® 24MM HEXAGON LIGHT
 ECR24HEX135118L
 1350x1180x180mm



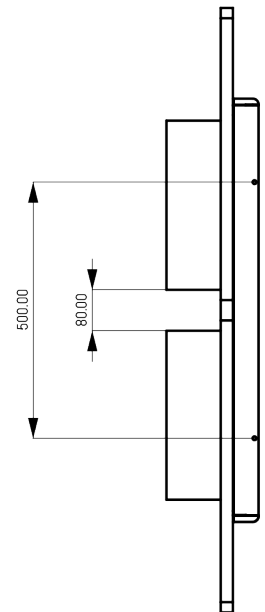
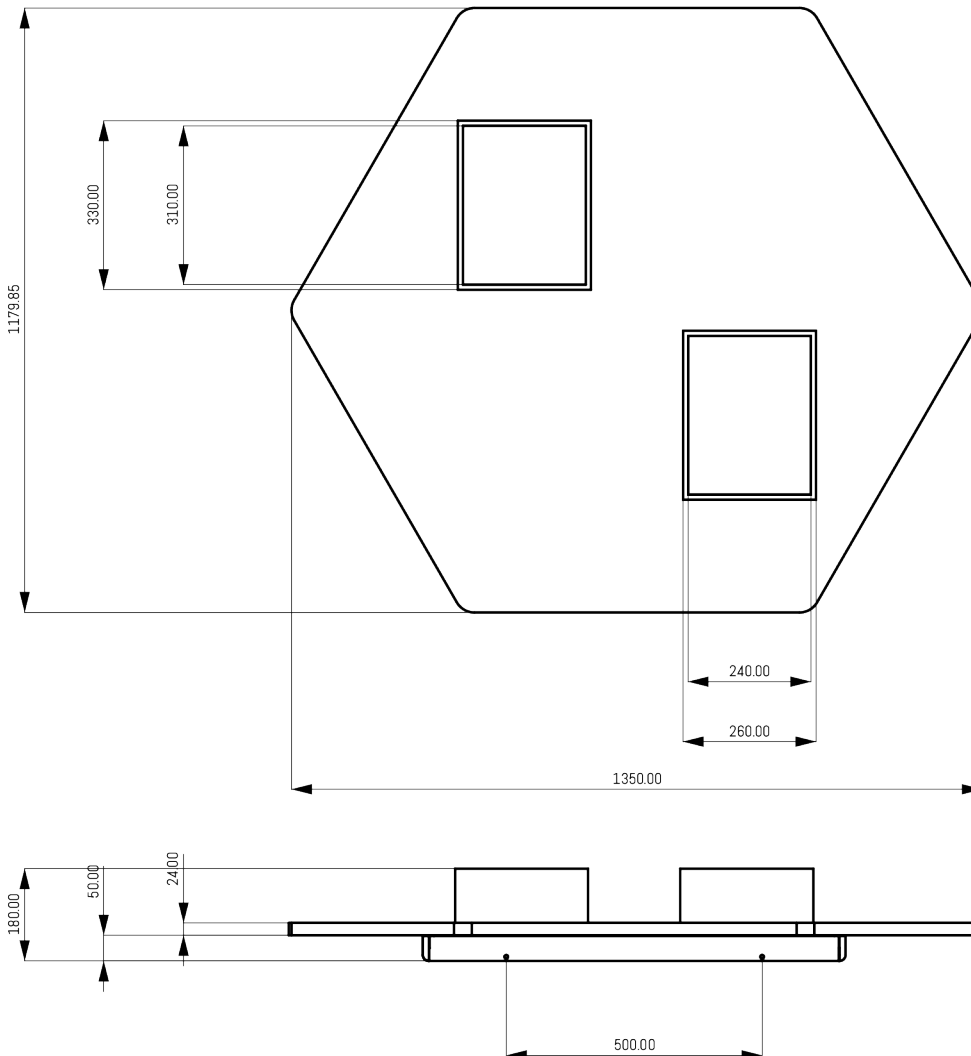
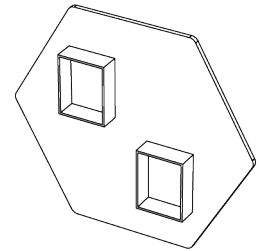
PARTS

1x EchoBoard® 24mm 1 Part	4x L-Profile 826mm	1x Screw Set Panhead 3.9x11mm PH2	1x Suspension profile (without screws!)	1x EchoCrate® CRATE Upcycling wood box

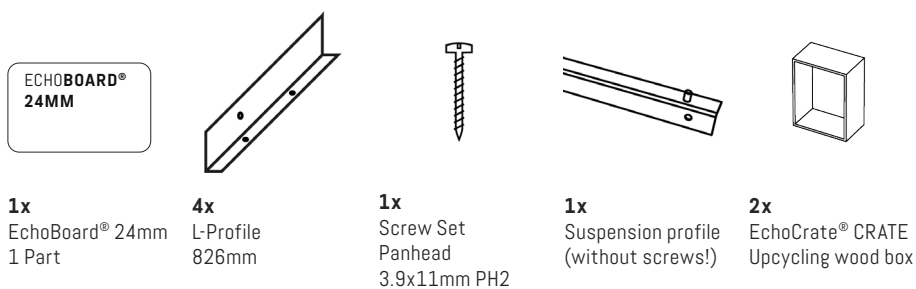
DIMENSIONS & PARTS



ECHOCRATE® 24MM HEXAGON BALANCED
 ECR24HEX135118B
 1350x1180x180mm



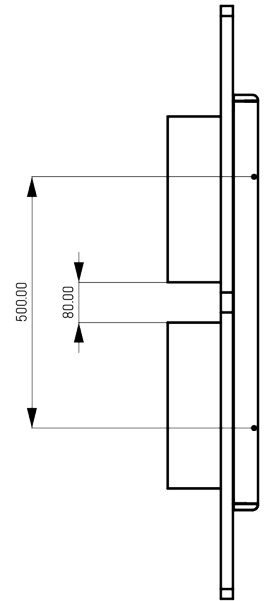
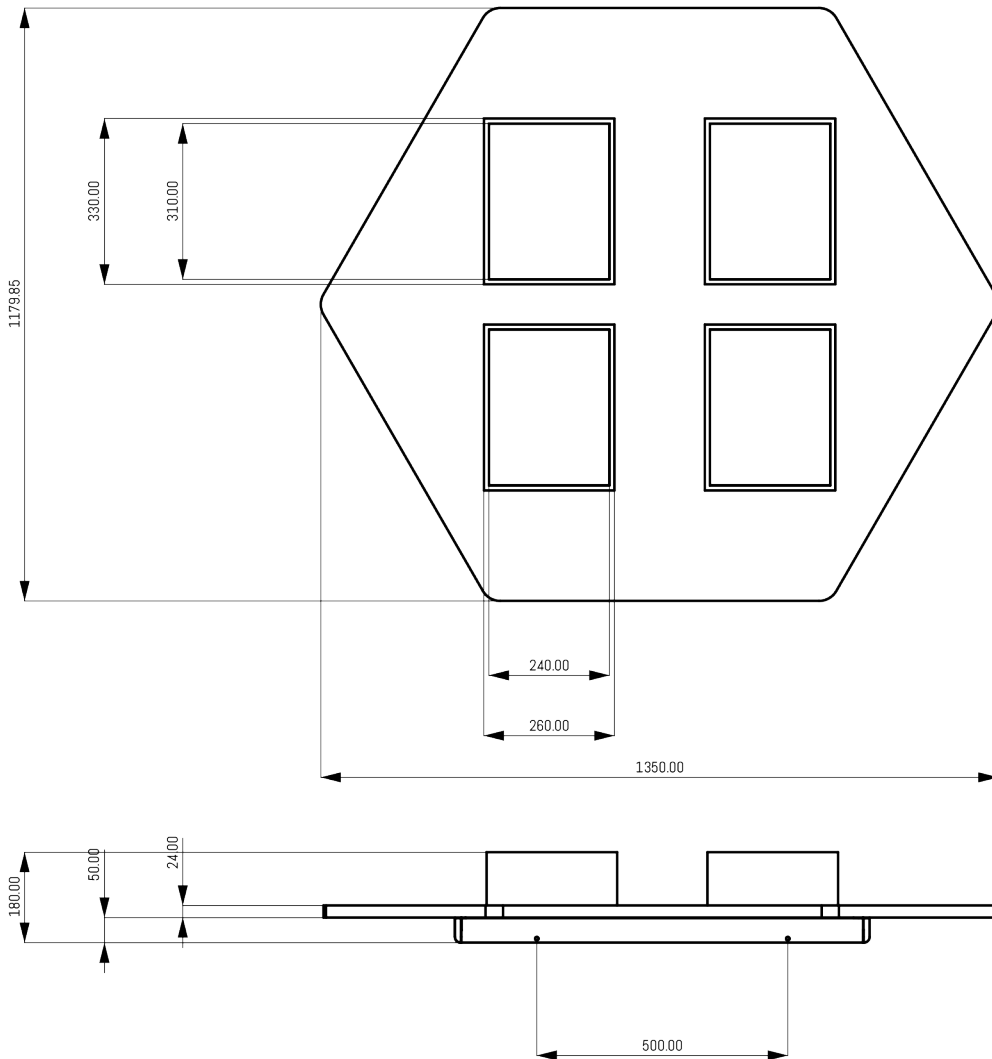
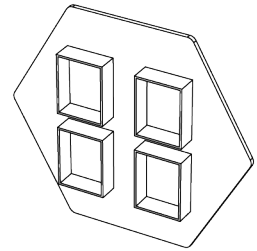
PARTS



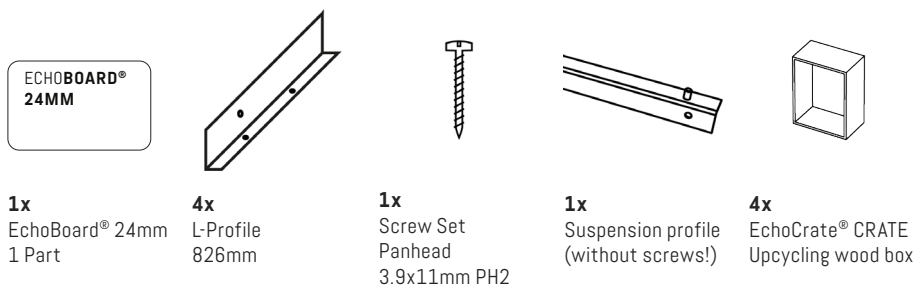
DIMENSIONS & PARTS



ECHOCRATE® 24MM HEXAGON COMPACT
 ECR24HEX135118C
 1350x1180x180mm



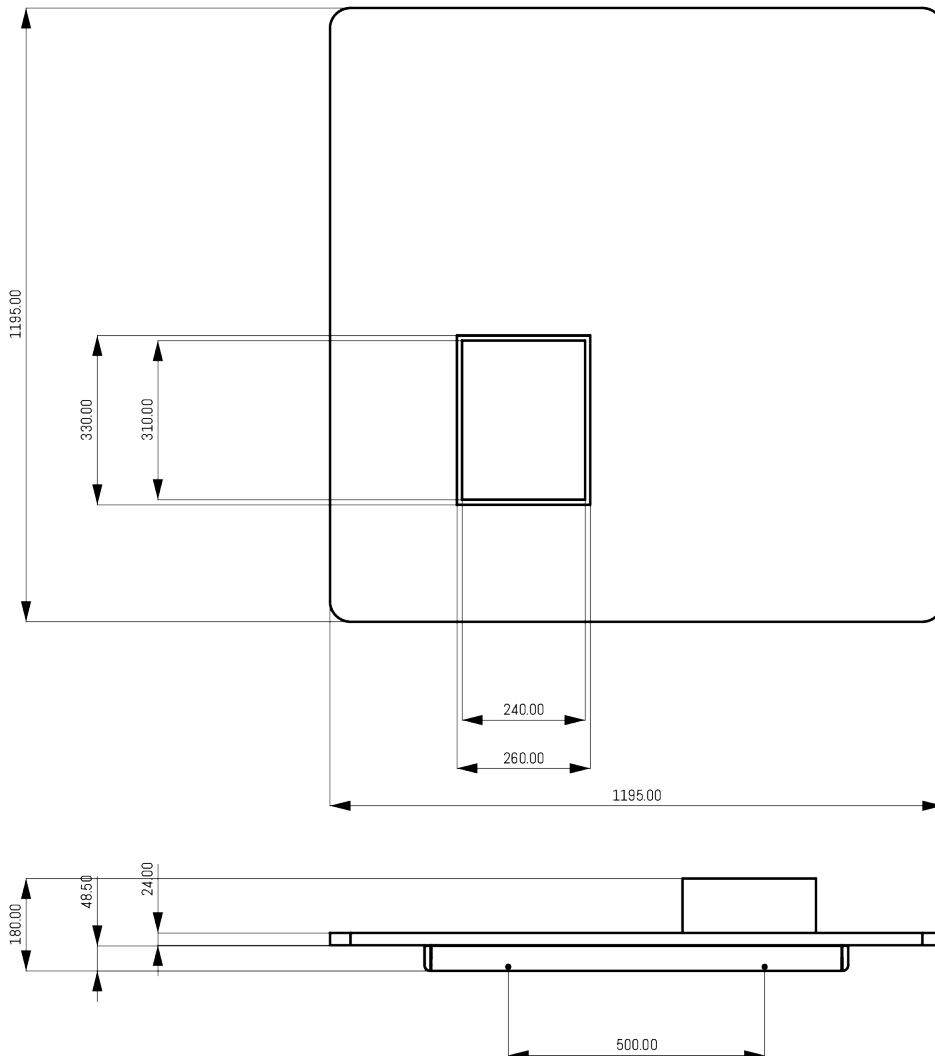
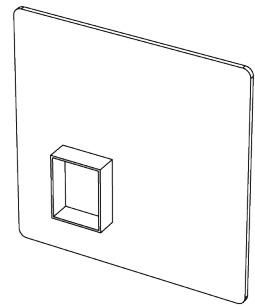
PARTS



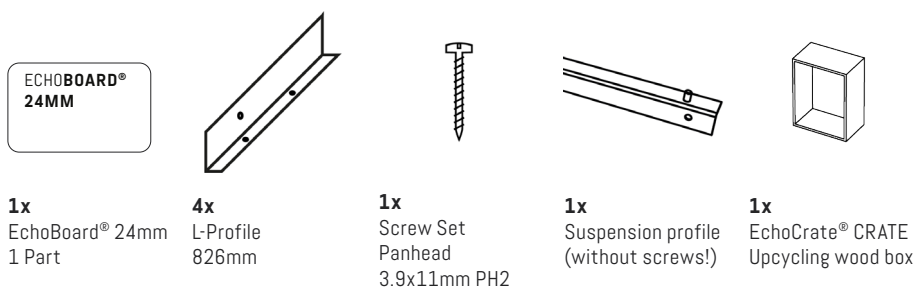
DIMENSIONS & PARTS



ECHOCRATE® 24MM SQUARE LIGHT
 ECR24SQU120120L
 1195x1195x180mm



PARTS



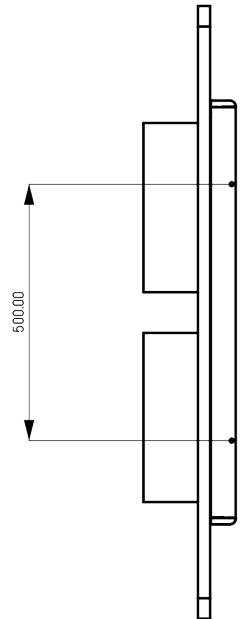
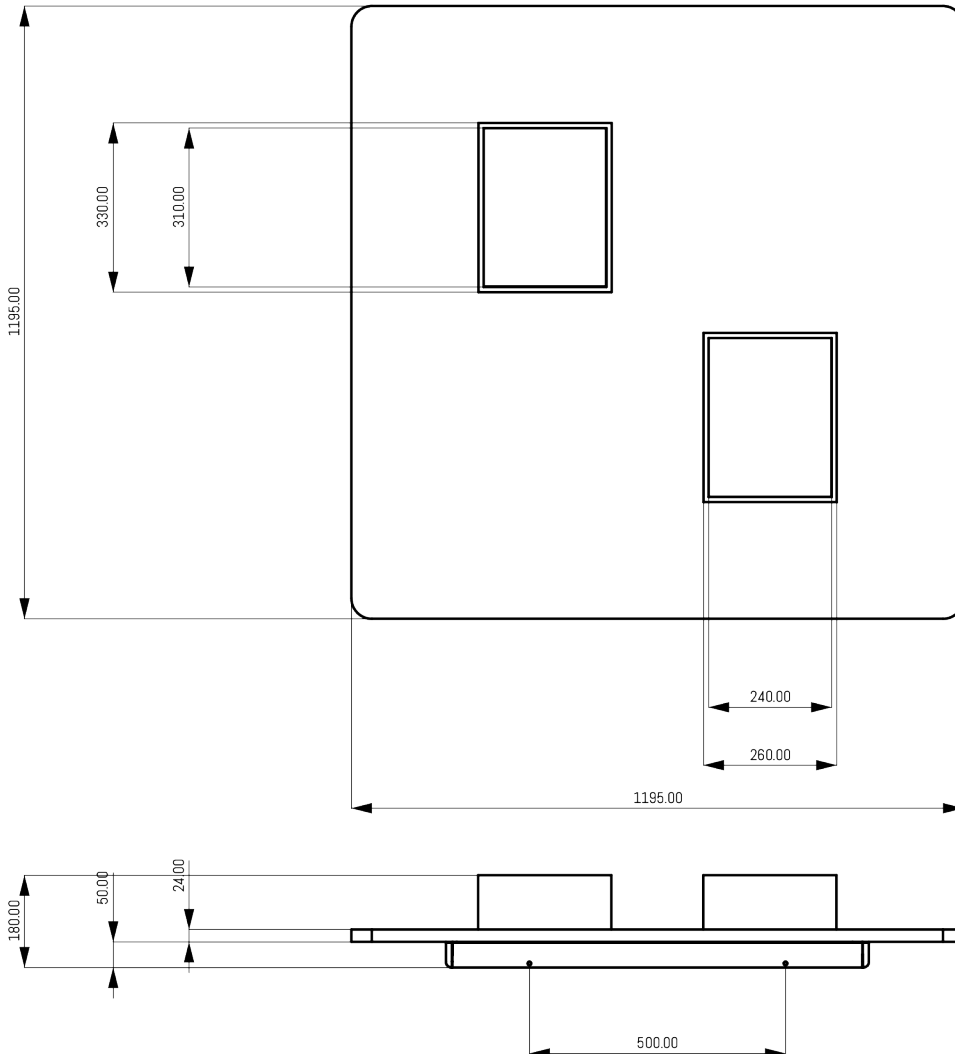
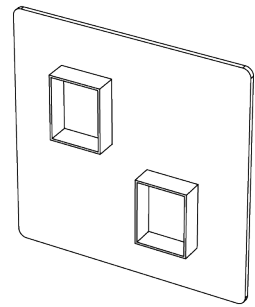
DIMENSIONS & PARTS



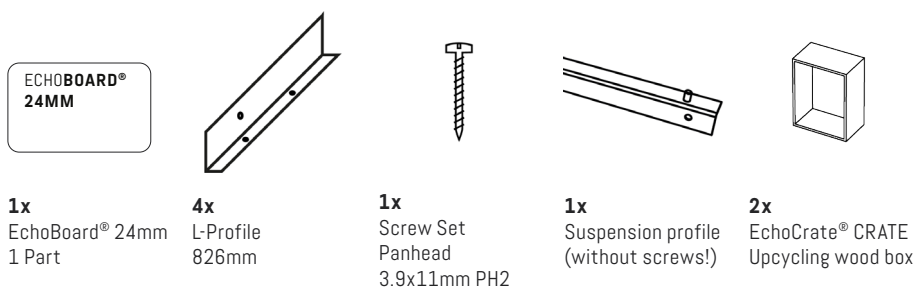
ECHOCRATE® 24MM SQUARE BALANCED

ECR24SQU120120B

1195x1195x180mm



PARTS



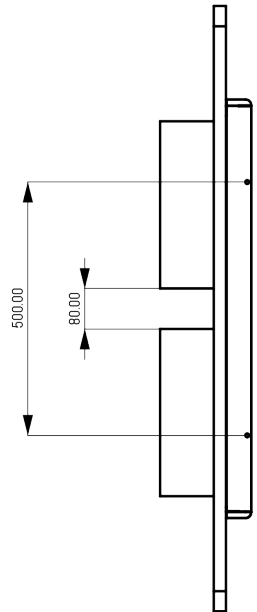
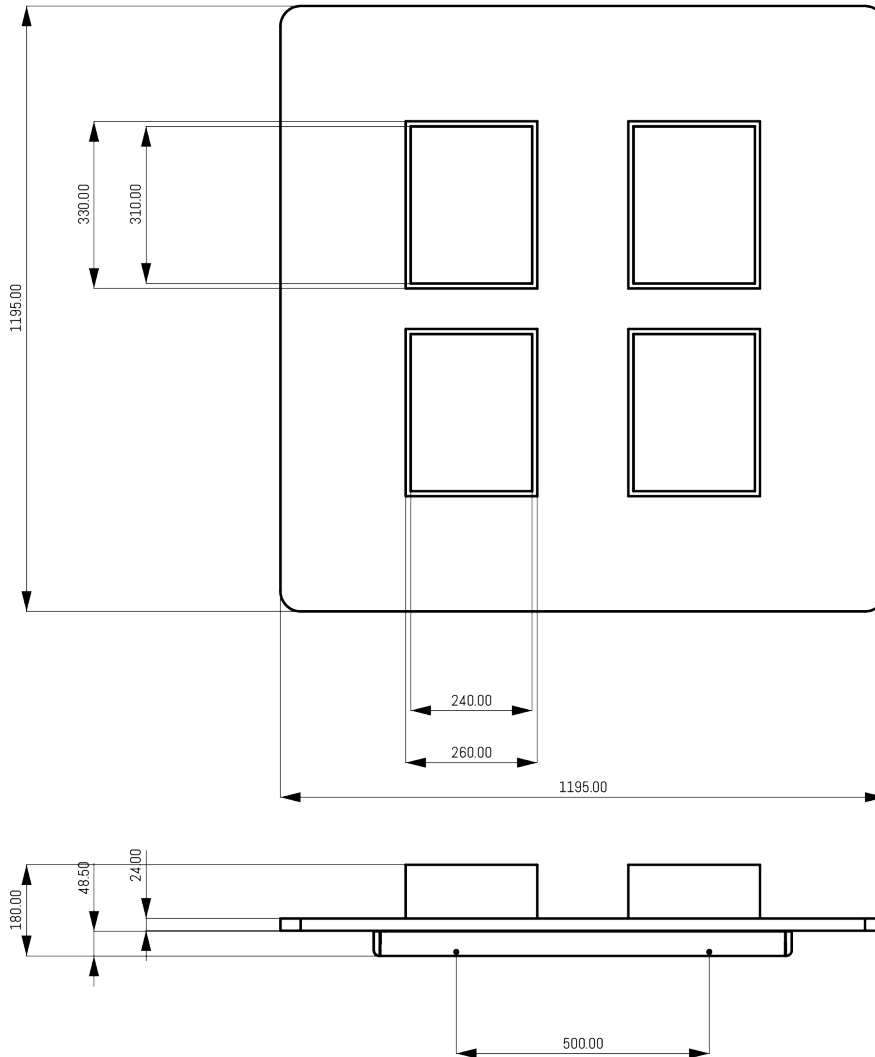
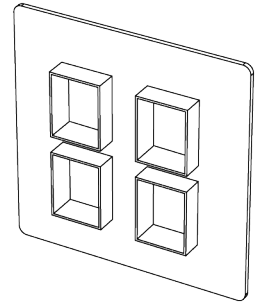
DIMENSIONS & PARTS



ECHOCRATE® 24MM SQUARE COMPACT

ECR24SQU120120C

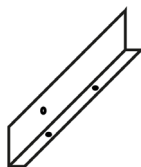
1195x1195x180mm



PARTS



1x
EchoBoard® 24mm
1 Part



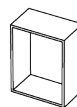
4x
L-Profile
826mm



1x
Screw Set
Panhead
3.9x11mm PH2



1x
Suspension profile
(without screws!)

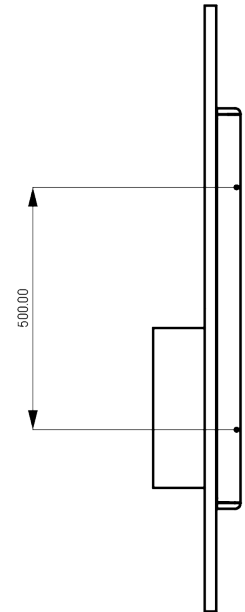
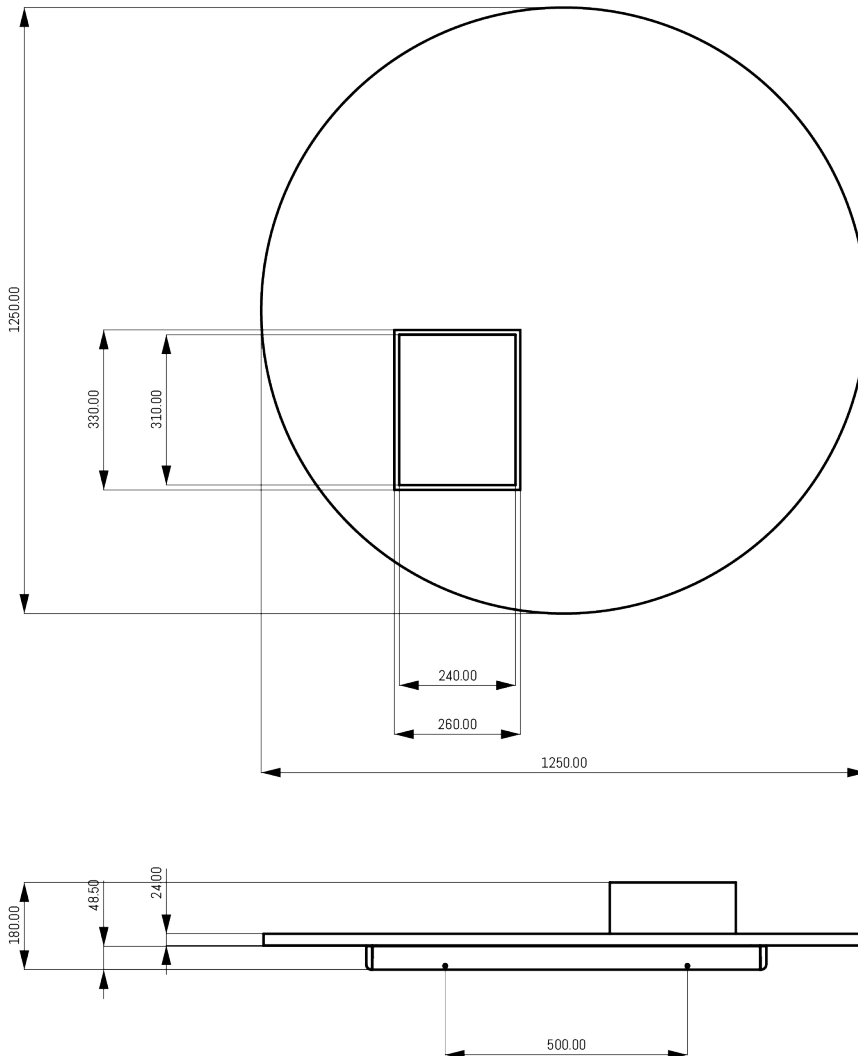
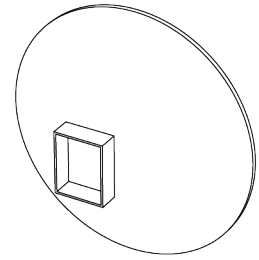


4x
EchoCrate® CRATE
Upcycling wood box

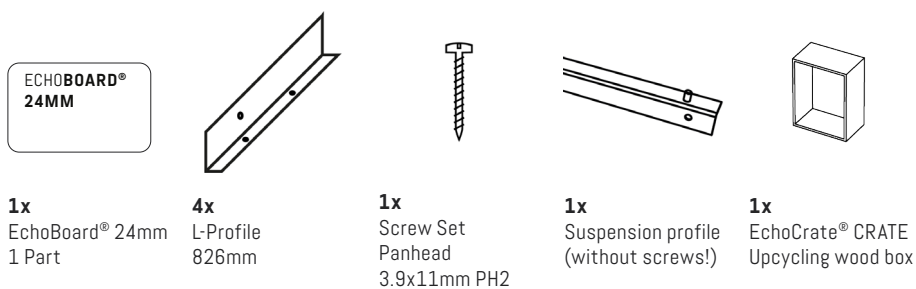
DIMENSIONS & PARTS



ECHOCRATE® 24MM ROUND LIGHT
 ECR24ROU125125L
 1250x1250x180mm



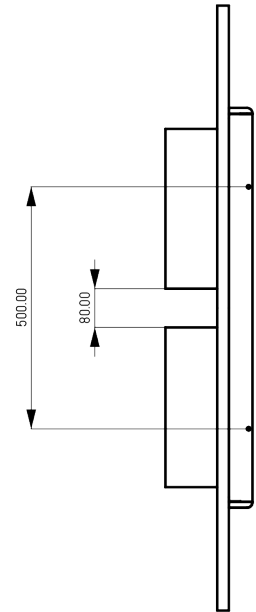
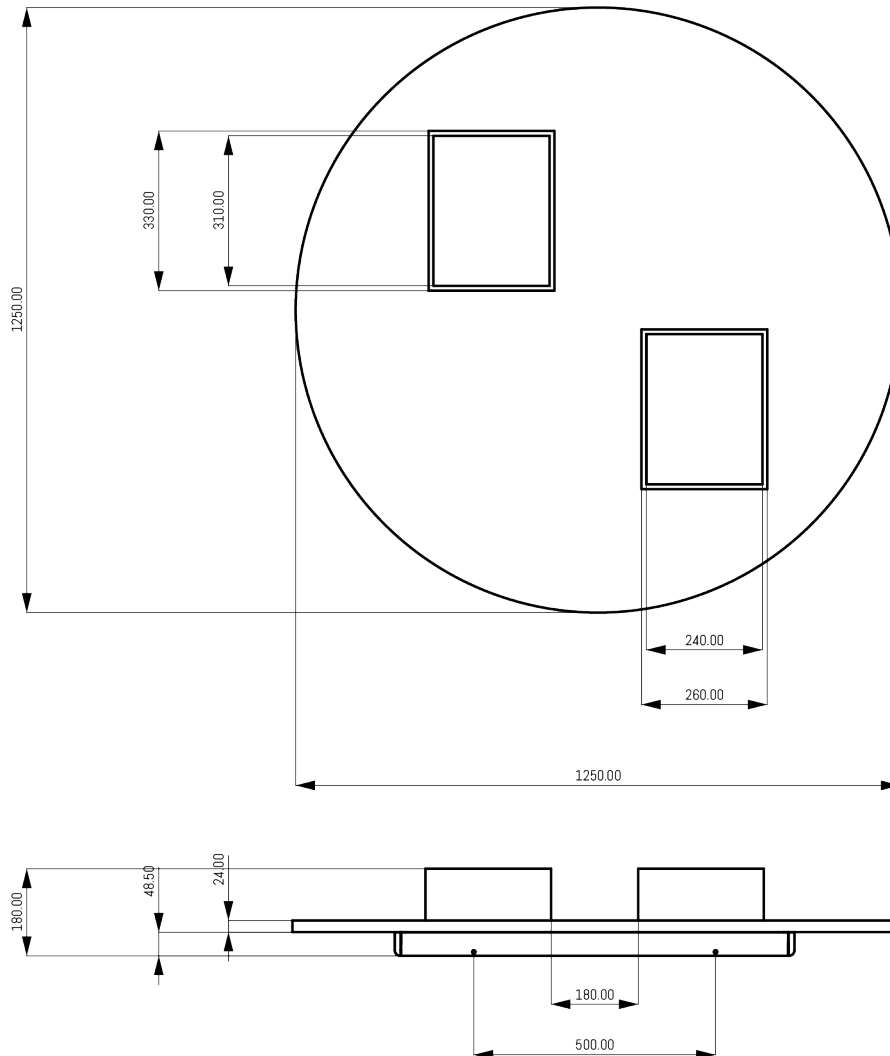
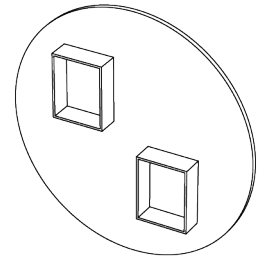
PARTS



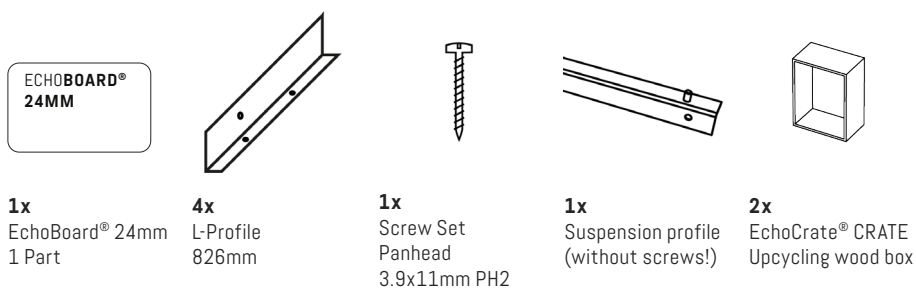
DIMENSIONS & PARTS



ECHOCRATE® 24MM ROUND BALANCED
 ECR24ROU125125B
 1250x1250x180mm



PARTS



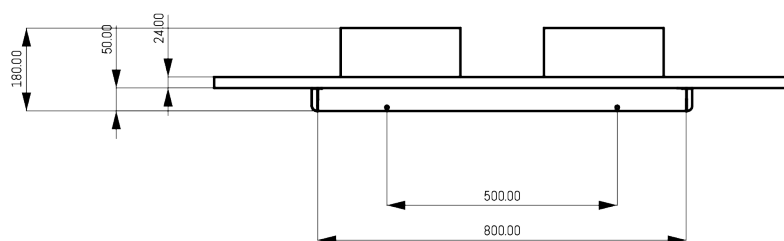
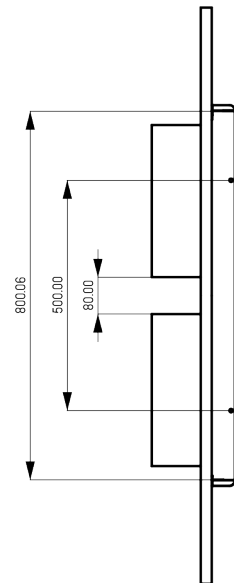
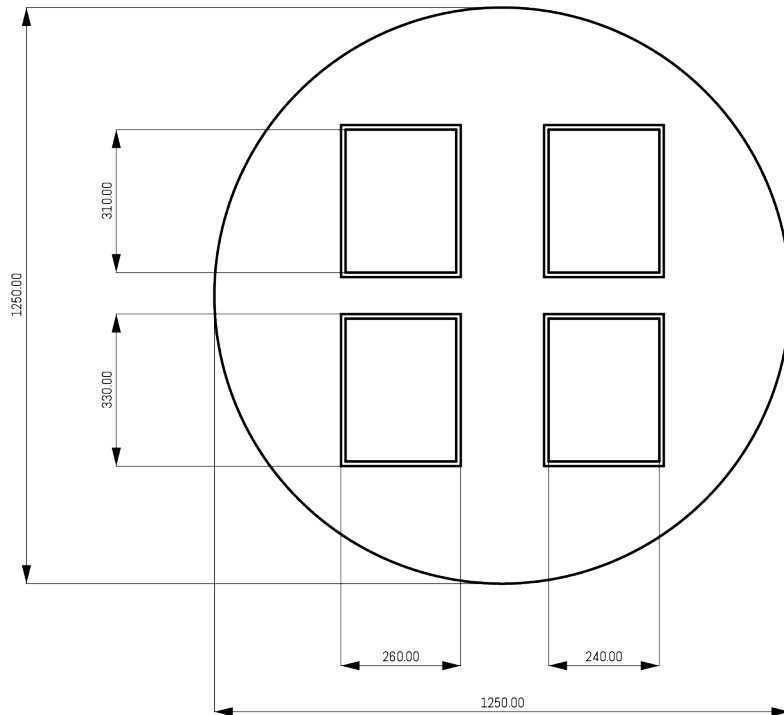
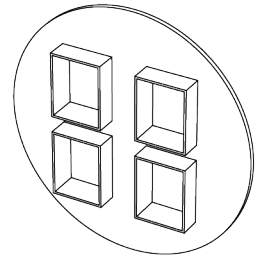
DIMENSIONS & PARTS



ECHOCRATE® 24MM ROUND COMPACT

ECR24ROU125125C

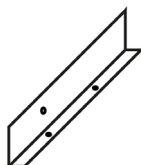
1250x1250x180mm



PARTS



1x
EchoBoard® 24mm
1 Part



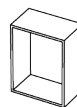
4x
L-Profile
826mm



1x
Screw Set
Panhead
3.9x11mm PH2



1x
Suspension profile
(without screws!)

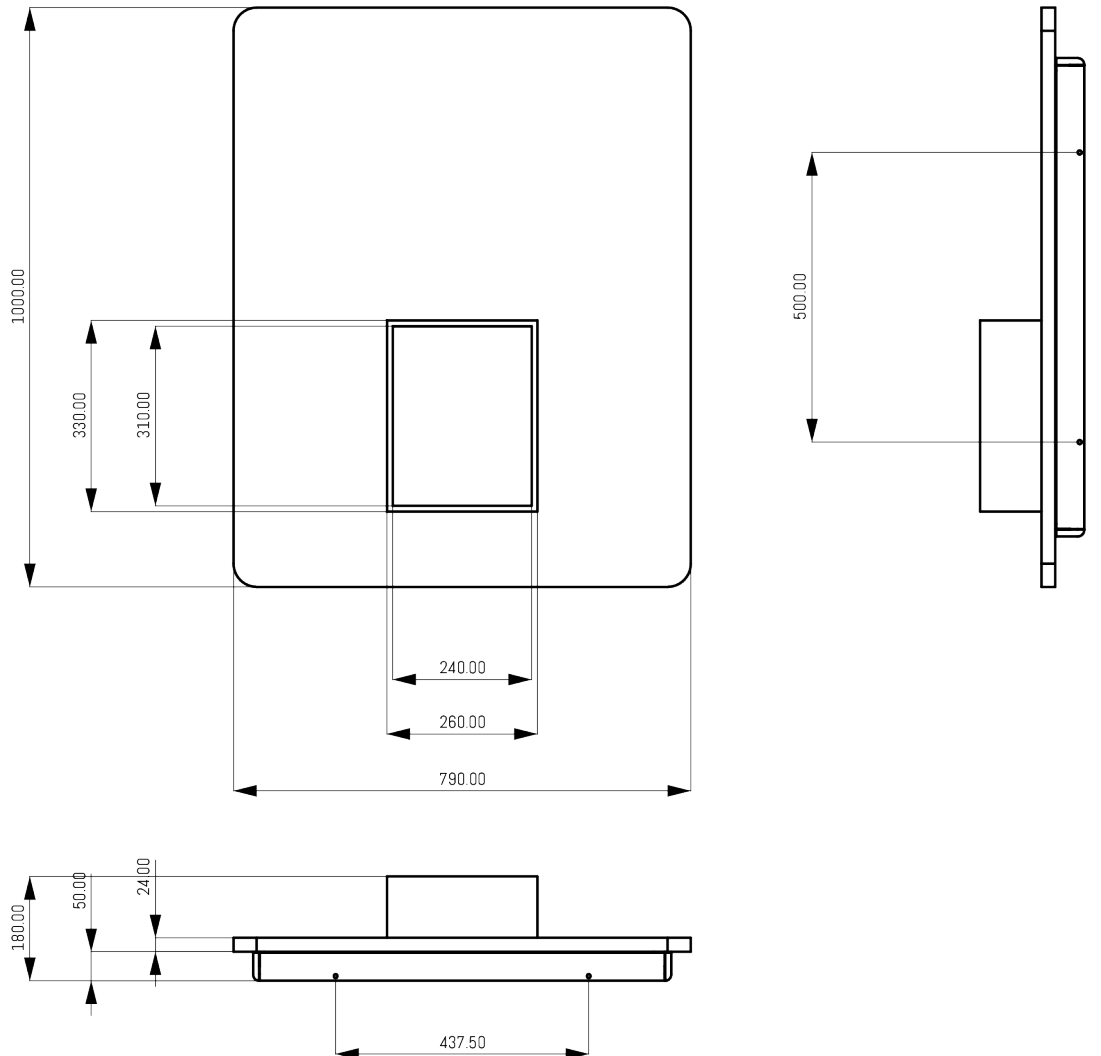


4x
EchoCrate® CRATE
Upcycling wood box

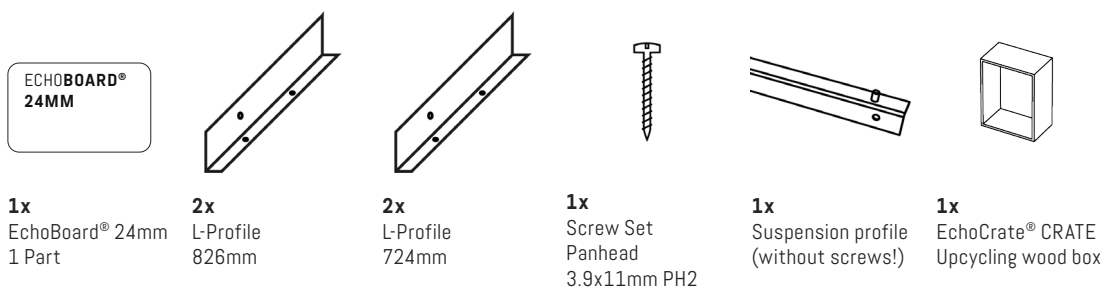
DIMENSIONS & PARTS



ECHOCRATE® 24MM RECTANGLE S LIGHT
 ECR24REC079100L
 790x1000x180mm



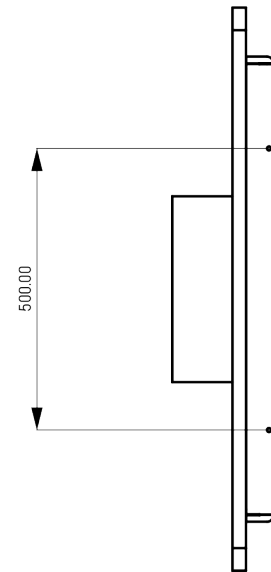
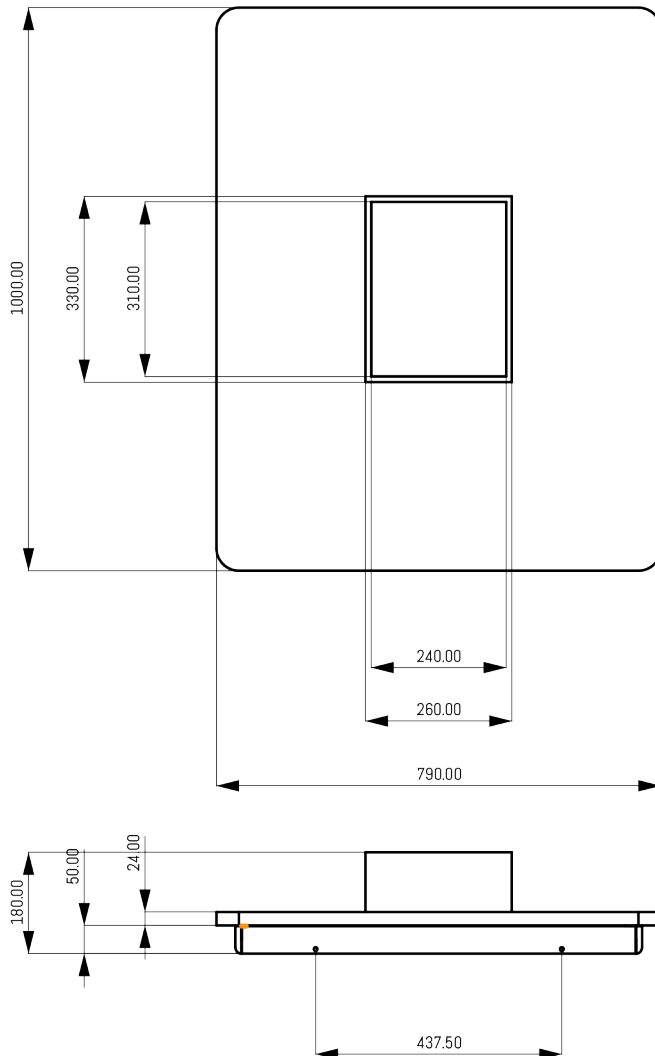
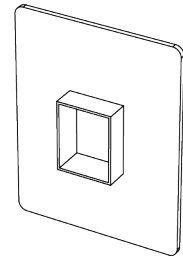
PARTS



DIMENSIONS & PARTS



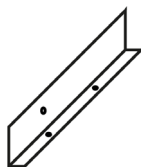
ECHOCRATE® 24MM RECTANGLE S BALANCED
 ECR24REC079100B
 790x1000x180mm



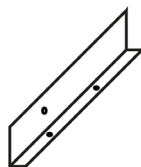
PARTS



1x
 EchoBoard® 24mm
 1 Part



2x
 L-Profile
 826mm



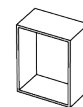
2x
 L-Profile
 724mm



1x
 Screw Set
 Panhead
 3.9x11mm PH2



1x
 Suspension profile
 (without screws!)

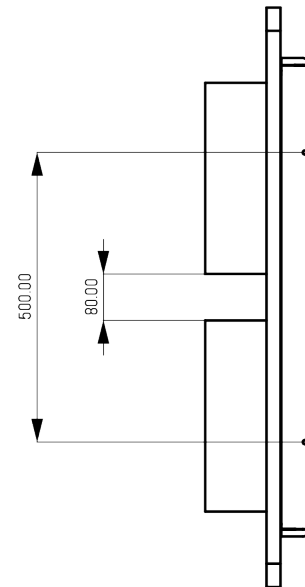
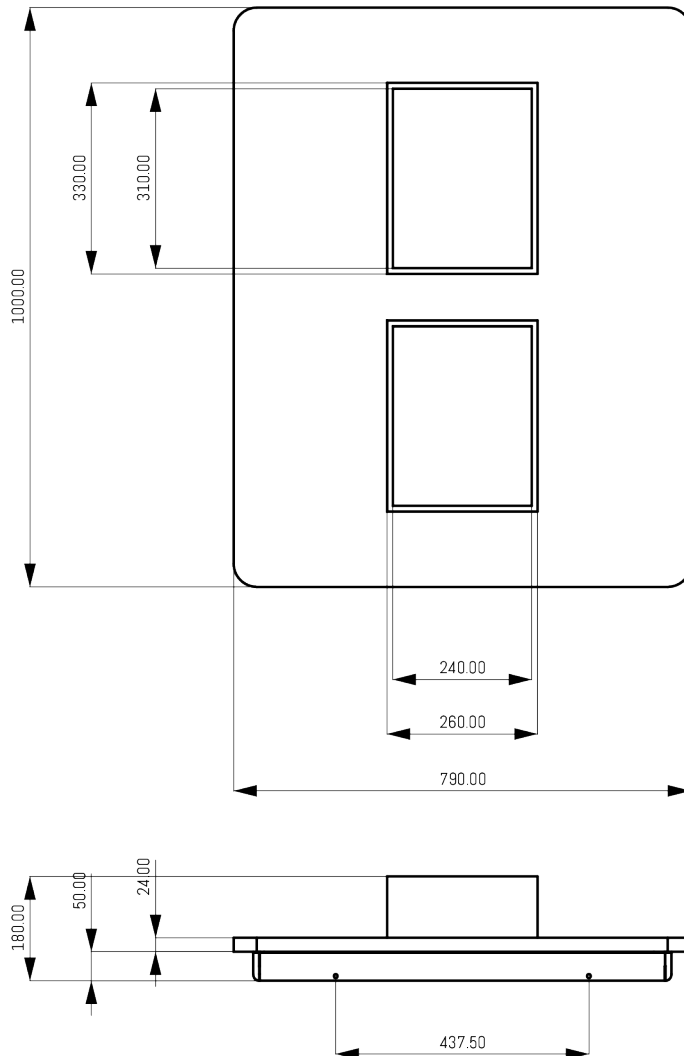
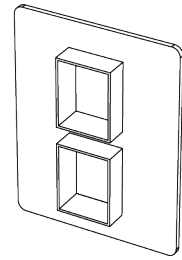


1x
 EchoCrate® CRATE
 Upcycling wood box

DIMENSIONS & PARTS



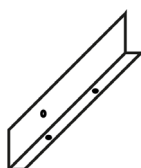
ECHOCRATE® 24MM RECTANGLE S COMPACT
 ECR24REC079100C
 790x1000x180mm



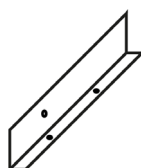
PARTS



1x
 EchoBoard® 24mm
 1 Part



2x
 L-Profile
 826mm



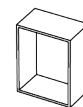
2x
 L-Profile
 724mm



1x
 Screw Set
 Panhead
 3.9x11mm PH2



1x
 Suspension profile
 (without screws!)

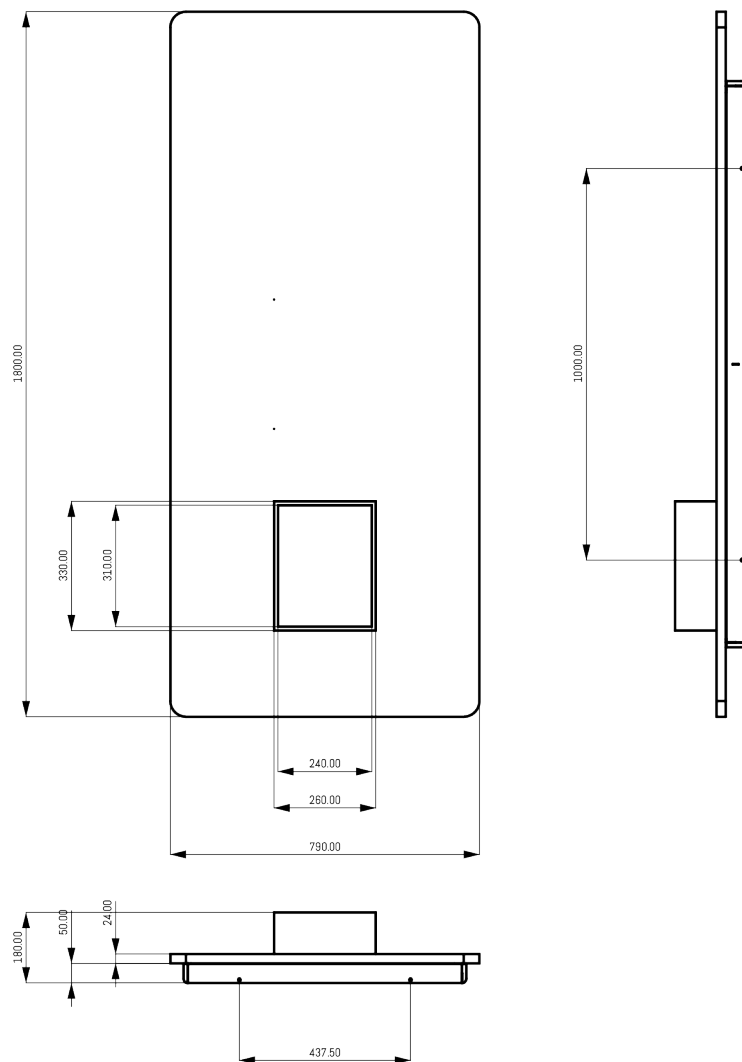


2x
 EchoCrate® CRATE
 Upcycling wood box

DIMENSIONS & PARTS



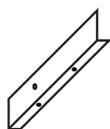
ECHOCRATE® 24MM RECTANGLE M LIGHT
 ECR24REC079180L
 790x1800x180mm



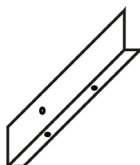
PARTS



1x
 EchoBoard® 24mm
 1 Part



2x
 L-Profile
 1426mm



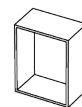
2x
 L-Profile
 724mm



1x
 Screw Set
 Panhead
 3.9x11mm PH2



1x
 Suspension profile
 (without screws!)

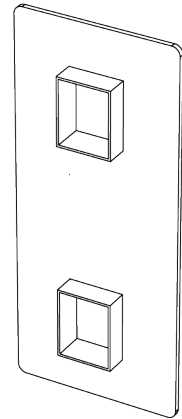
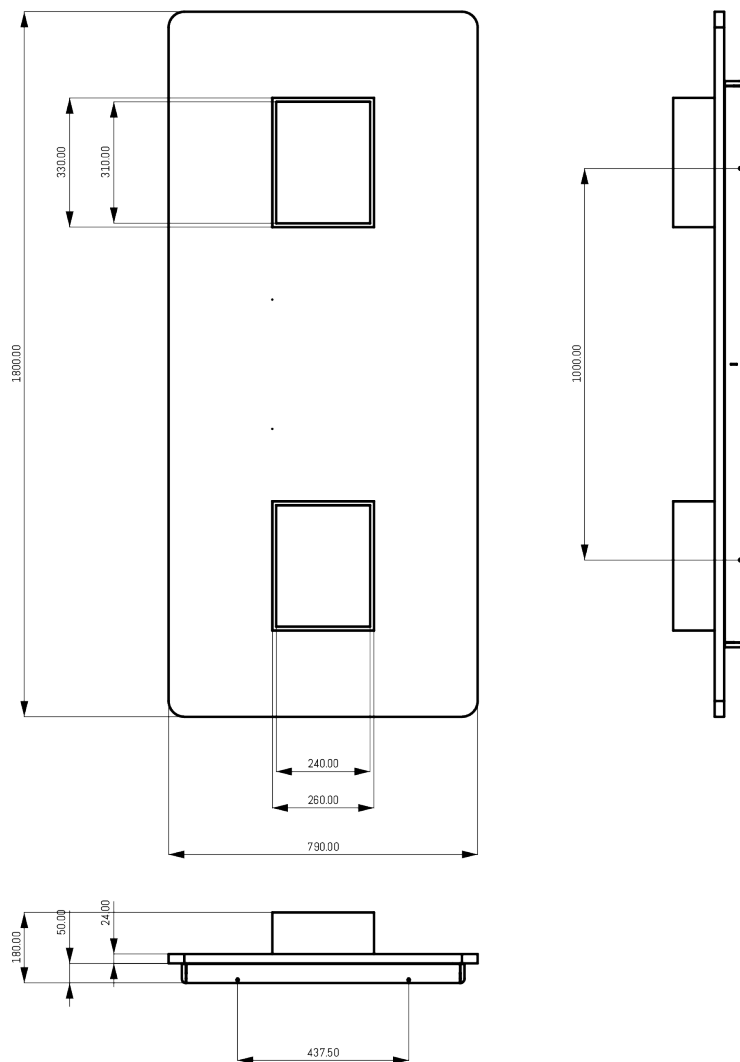


1x
 EchoCrate® CRATE
 Upcycling wood box

DIMENSIONS & PARTS



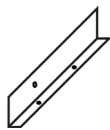
ECHOCRATE® 24MM RECTANGLE M BALANCED
 ECR24REC079180B
 790x1800x180mm



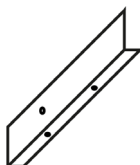
PARTS



1x
 EchoBoard® 24mm
 1 Part



2x
 L-Profile
 1426mm



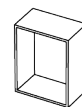
2x
 L-Profile
 724mm



1x
 Screw Set
 Panhead
 3.9x11mm PH2



1x
 Suspension profile
 (without screws!)

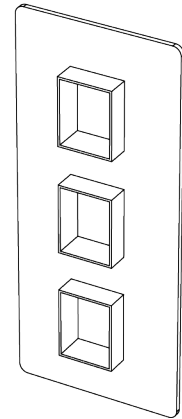
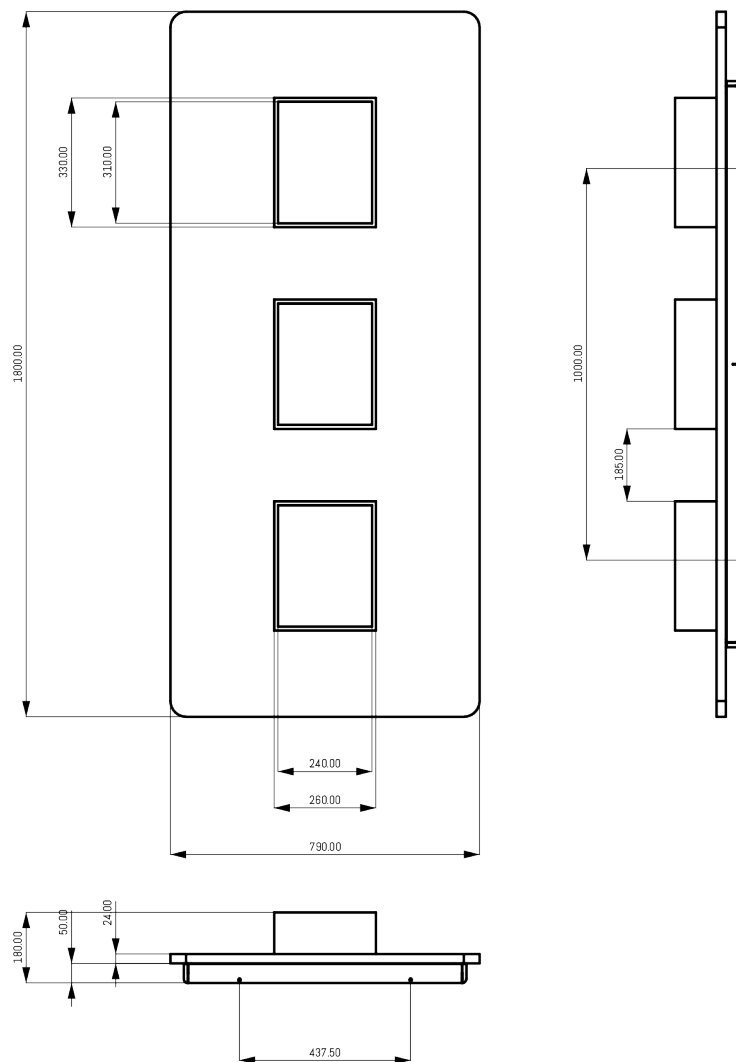


2x
 EchoCrate® CRATE
 Upcycling wood box

DIMENSIONS & PARTS



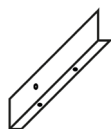
ECHOCRATE® 24MM RECTANGLE M COMPACT
 ECR24REC079180C
 790x1800x180mm



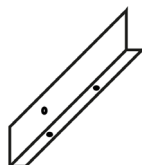
PARTS



1x
 EchoBoard® 24mm
 1 Part



2x
 L-Profile
 1426mm



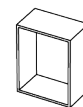
2x
 L-Profile
 724mm



1x
 Screw Set
 Panhead
 3.9x11mm PH2



1x
 Suspension profile
 (without screws!)



3x
 EchoCrate® CRATE
 Upcycling wood box

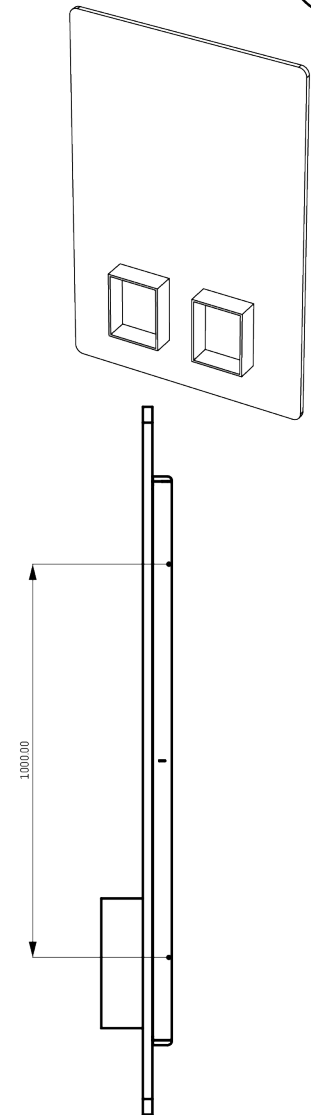
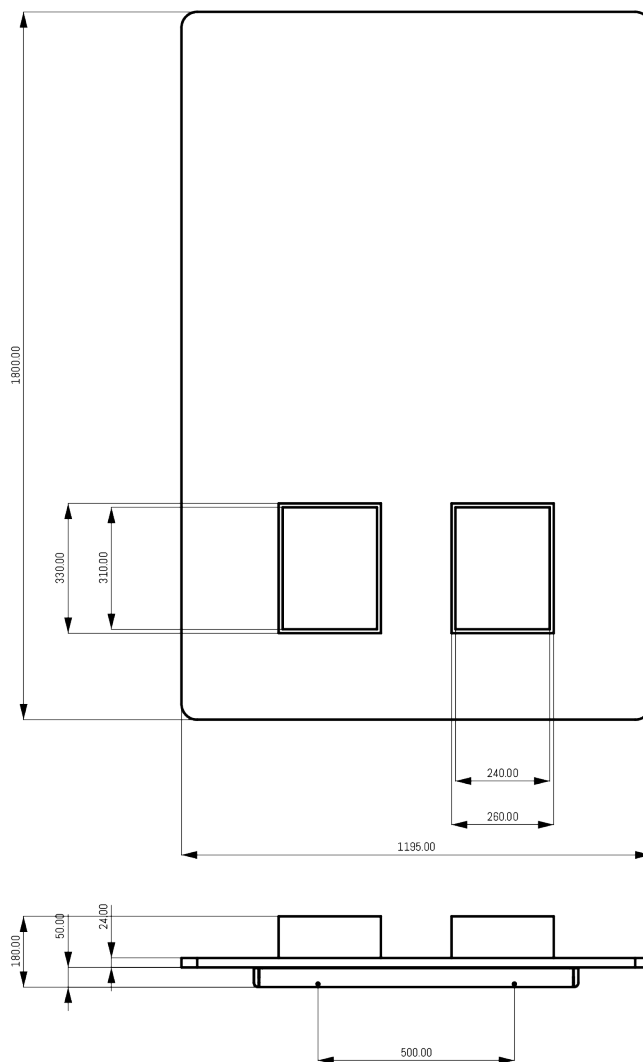
DIMENSIONS & PARTS



ECHOCRATE® 24MM RECTANGLE L LIGHT

ECR24REC120180L

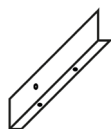
1195x1800x180mm



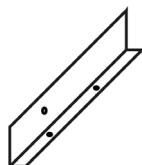
PARTS



1x
EchoBoard® 24mm
1 Part



2x
L-Profile
1426mm



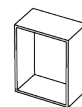
2x
L-Profile
724mm



1x
Screw Set
Panhead
3.9x11mm PH2



1x
Suspension profile
(without screws!)

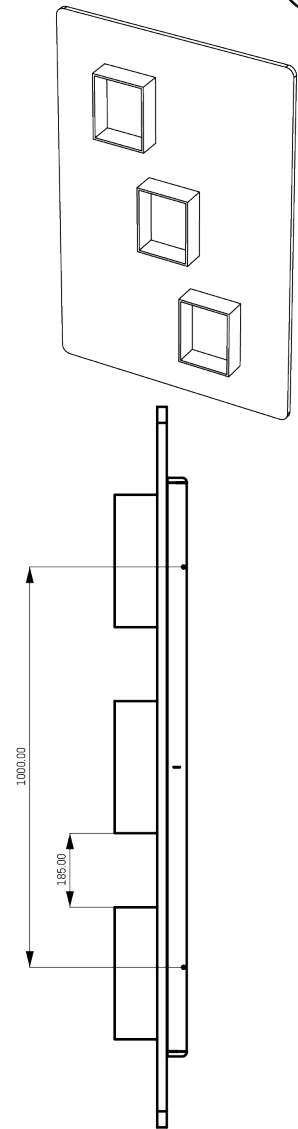
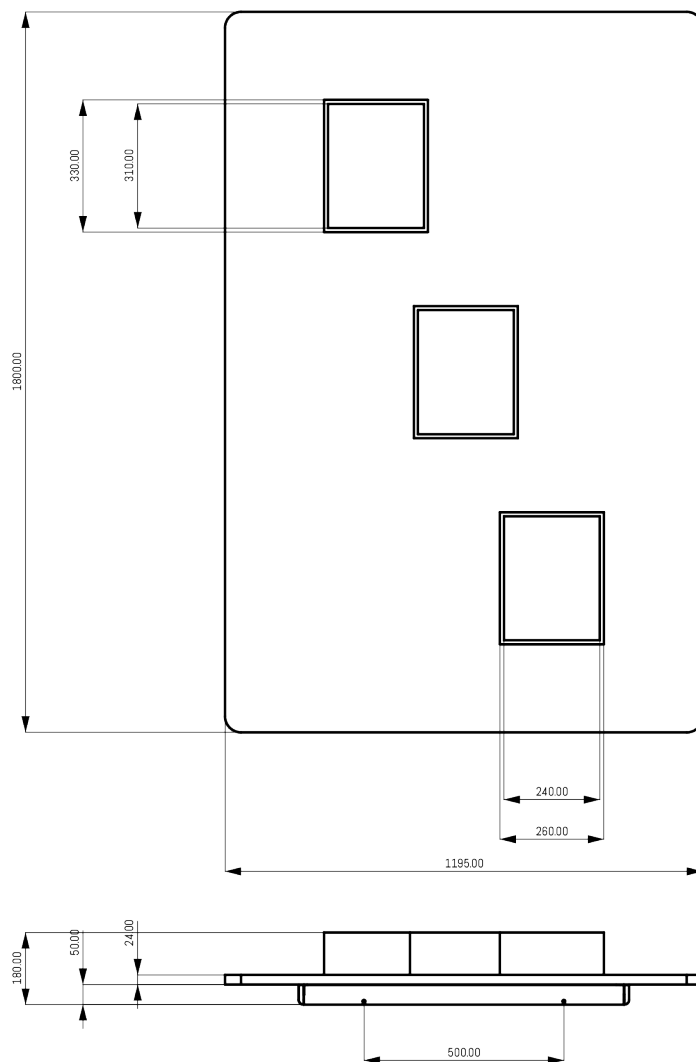


2x
EchoCrate® CRATE
Upcycling wood box

DIMENSIONS & PARTS



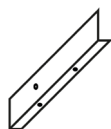
ECHOCRATE® 24MM RECTANGLE L BALANCED
 ECR24REC120180B
 1195x1800x180mm



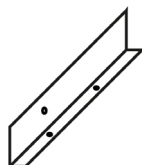
PARTS



1x
 EchoBoard® 24mm
 1 Part



2x
 L-Profile
 1426mm



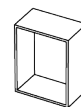
2x
 L-Profile
 724mm



1x
 Screw Set
 Panhead
 3.9x11mm PH2



1x
 Suspension profile
 (without screws!)

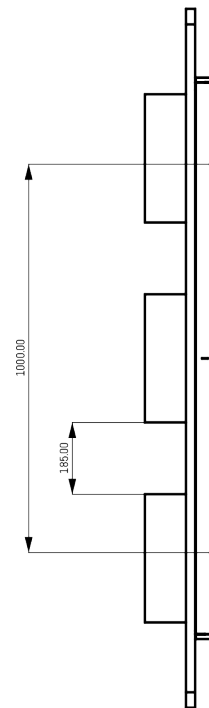
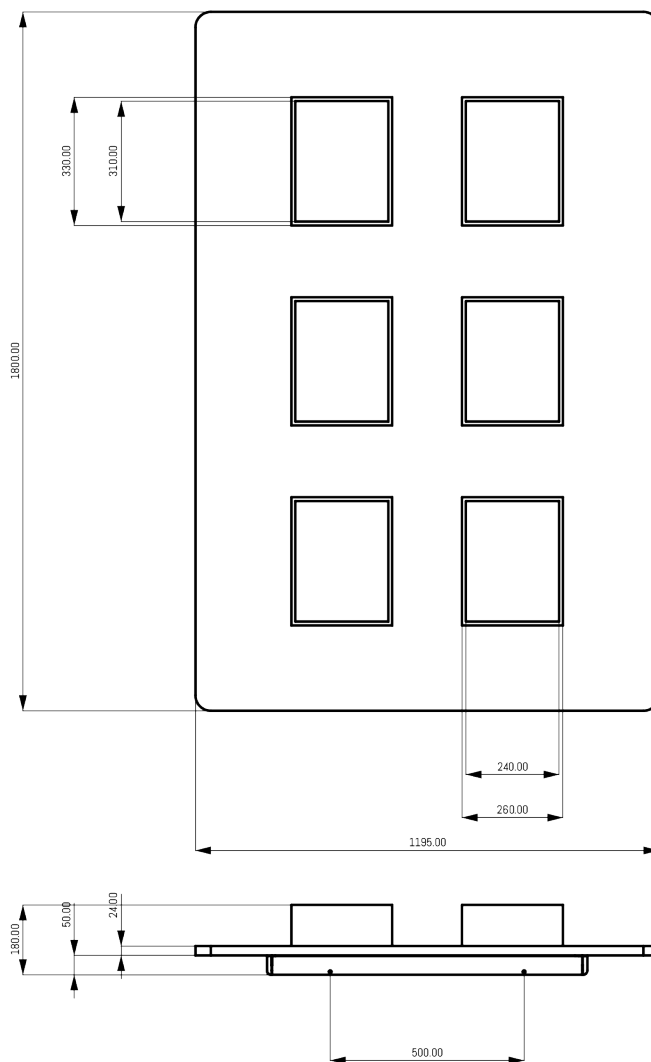


3x
 EchoCrate® CRATE
 Upcycling wood box

DIMENSIONS & PARTS



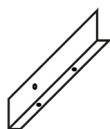
ECHOCRATE® 24MM RECTANGLE L COMPACT
 ECR24REC120180C
 1195x1800x180mm



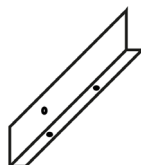
PARTS



1x
 EchoBoard® 24mm
 1 Part



2x
 L-Profile
 1426mm



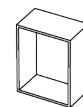
2x
 L-Profile
 724mm



1x
 Screw Set
 Panhead
 3.9x11mm PH2



1x
 Suspension profile
 (without screws!)

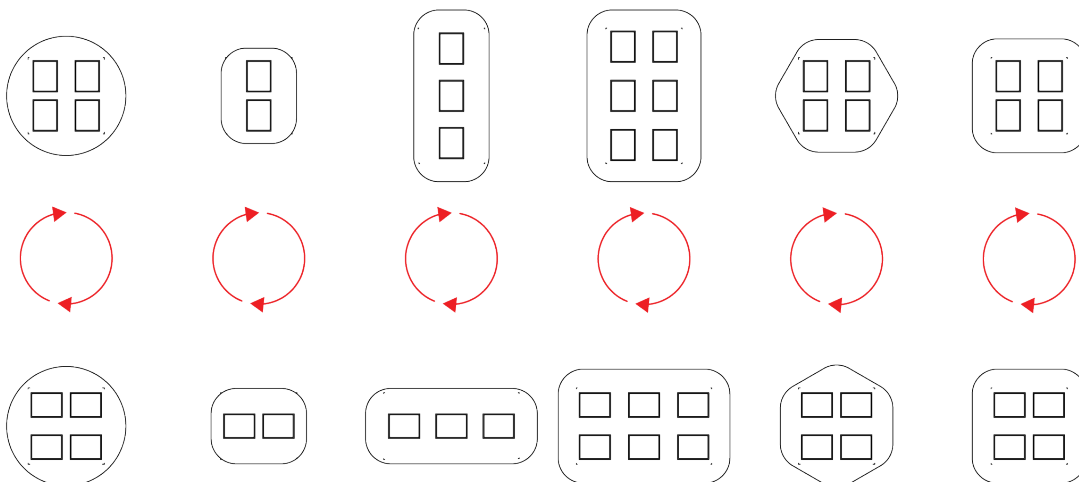
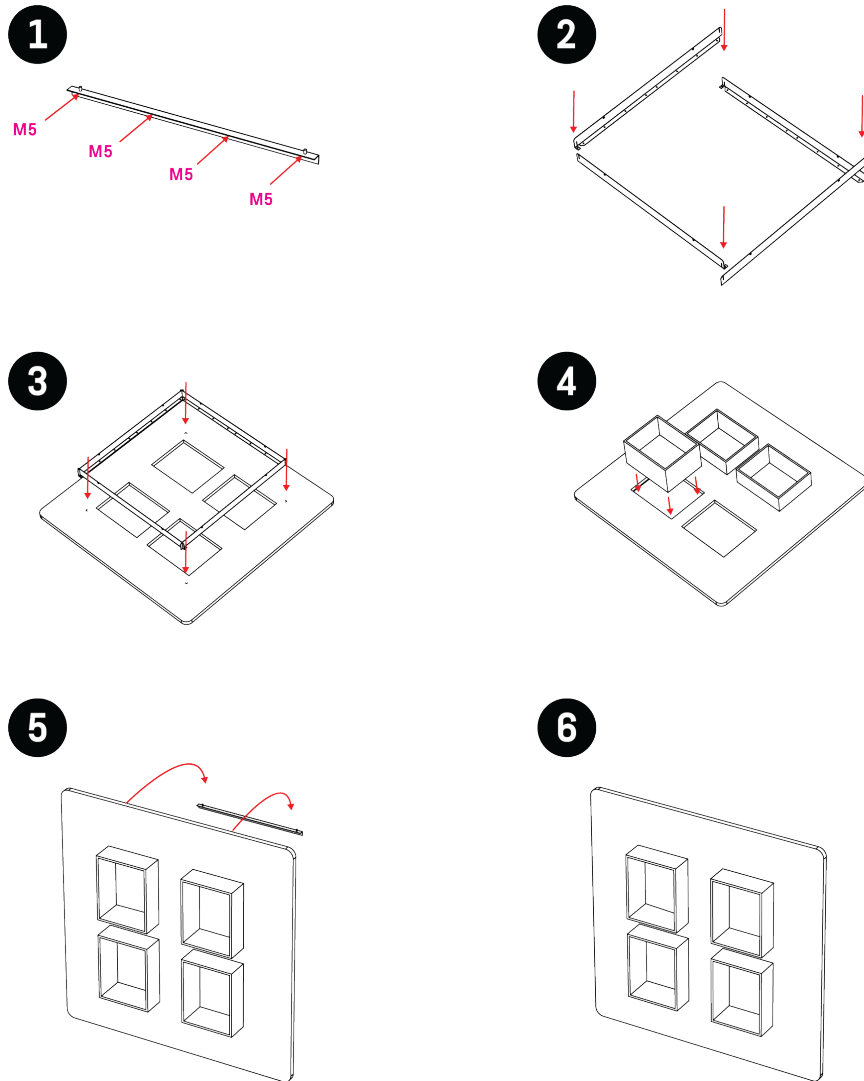


6x
 EchoCrate® CRATE
 Upcycling wood box

INSTALLATION



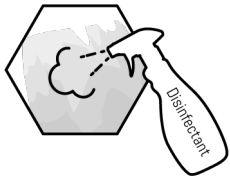
ECHOCRATE® 24MM INSTALLATION



EchoCrate® 24mm RECTANGLE M & L require a longer suspension profile (EPR00APR001050A) to be suspended horizontally!

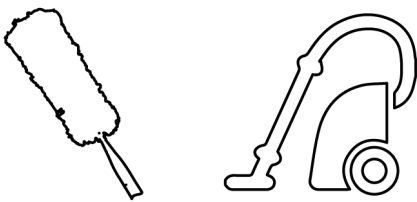
SURFACE DISINFECTION

Spray disinfectants can be used for rapid surface disinfection.



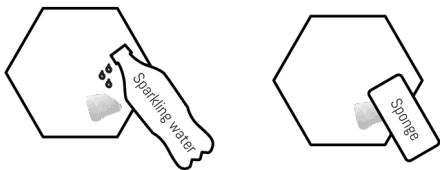
DUSTER/VACUUM CLEANER

For dusting use duster or vacuum cleaner.



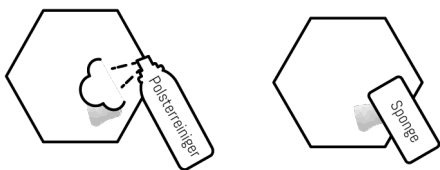
SPARKLING WATER

For slight contamination apply sparkling water to polluted area. Wipe carefully with a sponge.



UPHOLSTERY CLEANER

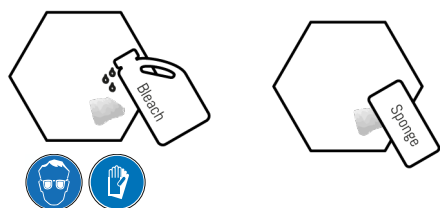
For medium contamination apply upholstery cleaner to polluted area. Wipe carefully with a sponge.



BLEACH

For heavy contamination apply bleach as chlorine or hydrogen peroxide on polluted area. Wipe carefully with a sponge and sparkling water.

Use of protection gloves and glasses is mandatory!



Please make first a cleaning attempt on an inconspicuous spot. Follow the instructions of the cleaning agents.