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This technical sheet remains subject to possible changes. **All dimensions are in mm**, unless mentioned otherwise. Extremis is not responsible for the errors in the documentation of products. All measurements are approximate and are provided for informational purposes only.

TECH SHEET
20160422

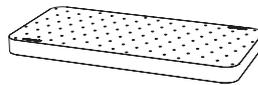
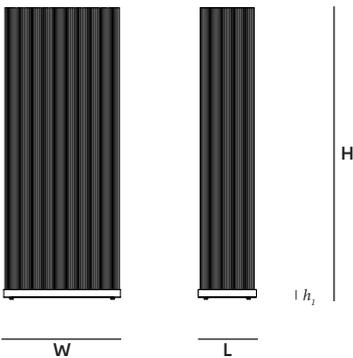
sticks

extremis®

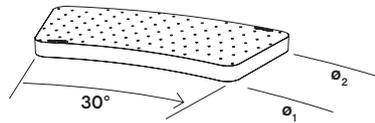
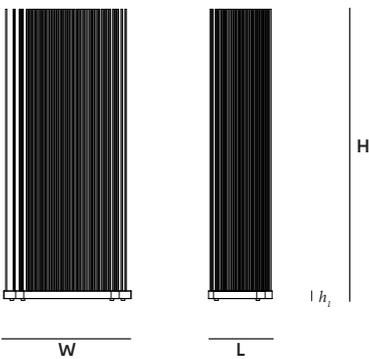


VERSIONS & OPTIONS:

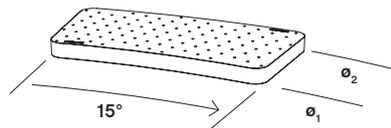
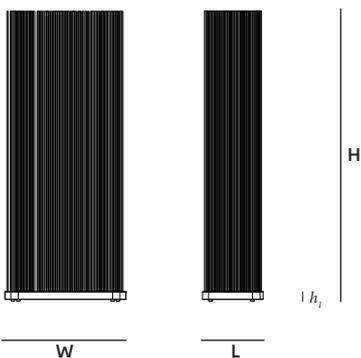
*bases 60x30 | bases 30x30 | base 50x25 | bases sharp curved
bases wide curved | bases with LEDs | extra weights | connection piece*



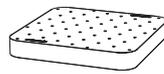
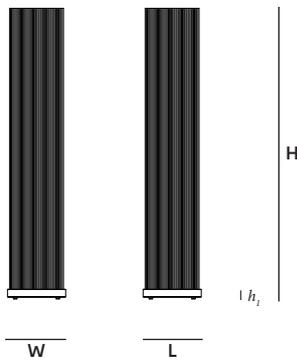
| Dimensions (mm) | L | W | H | h_1 |
|----------------------------|-----|-----|------|-------|
| Sticks 120 with base 60x30 | 600 | 300 | 1220 | 49,50 |
| Sticks 150 with base 60x30 | 600 | 300 | 1520 | 49,50 |
| Sticks 180 with base 60x30 | 600 | 300 | 1820 | 49,50 |
| Sticks 210 with base 60x30 | 600 | 300 | 2120 | 49,50 |



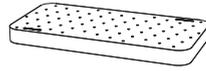
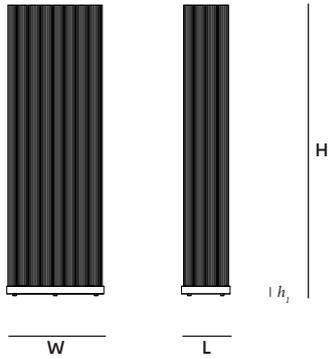
| Dimensions (mm) | L | W | H | h_1 | θ_1 | θ_2 |
|-----------------------------------|-----|-----|------|-------|------------|------------|
| Sticks 120 with sharp curved base | 652 | 326 | 1220 | 49,50 | 1992 | 2592 |
| Sticks 150 with sharp curved base | 652 | 326 | 1520 | 49,50 | 1992 | 2592 |
| Sticks 180 with sharp curved base | 652 | 326 | 1820 | 49,50 | 1992 | 2592 |
| Sticks 210 with sharp curved base | 652 | 326 | 2120 | 49,50 | 1992 | 2592 |



| Dimensions (mm) | L | W | H | h_1 | θ_1 | θ_2 |
|----------------------------------|-----|-----|------|-------|------------|------------|
| Sticks 120 with wide curved base | 628 | 246 | 1220 | 49,50 | 4284 | 4884 |
| Sticks 150 with wide curved base | 628 | 246 | 1520 | 49,50 | 4284 | 4884 |
| Sticks 180 with wide curved base | 628 | 246 | 1820 | 49,50 | 4284 | 4884 |
| Sticks 210 with wide curved base | 628 | 246 | 2120 | 49,50 | 4284 | 4884 |



| Dimensions (mm) | L | W | H | h_1 |
|----------------------------|-----|-----|------|-------|
| Sticks 120 with base 30x30 | 300 | 300 | 1220 | 49,50 |
| Sticks 150 with base 30x30 | 300 | 300 | 1520 | 49,50 |
| Sticks 180 with base 30x30 | 300 | 300 | 1820 | 49,50 |
| Sticks 210 with base 30x30 | 300 | 300 | 2120 | 49,50 |



| Dimensions (mm) | L | W | H | h_1 |
|----------------------------|-----|-----|------|-------|
| Sticks 120 with base 50x25 | 500 | 250 | 1220 | 49,50 |
| Sticks 150 with base 50x25 | 500 | 250 | 1520 | 49,50 |
| Sticks 180 with base 50x25 | 500 | 250 | 1820 | 49,50 |

OPTIONAL LEDS

waterproof connectors

to previous base or power supply

to next base or end cap

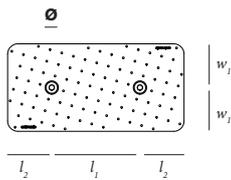
25°

| Dimensions (mm) | l_1 | l_2 | l_3 | w_1 |
|-----------------|-------|-------|-------|-------|
| Power supply | 1620 | 210 | 140 | 50 |

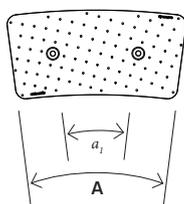
Bases with optional LEDs have the same dimensions as the bases without LEDs.



| Dimensions (mm) | L |
|-----------------------------|------|
| Connection cable | 1000 |
| Long connection cable | 4000 |
| Extra long connection cable | 9000 |

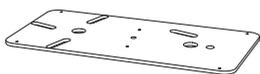
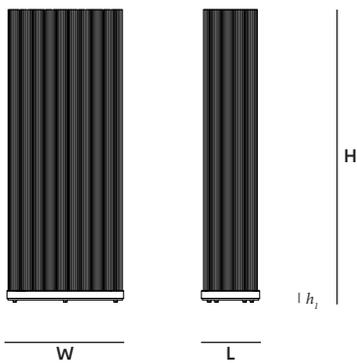


| Dimensions (mm) | \emptyset | l_1 | l_2 | w_1 |
|-----------------------|-------------|-------|-------|-------|
| Bases 60x30 with LEDs | 45 | 300 | 150 | 150 |
| Bases 30x30 with LED | 45 | / | 150 | 150 |

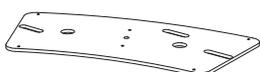
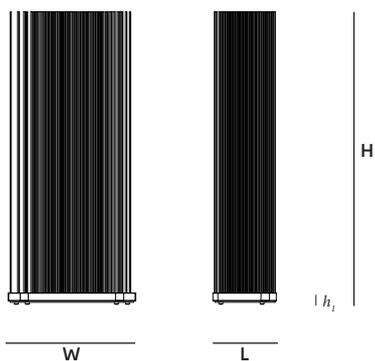


| Dimensions (mm) | \emptyset | A | a_1 |
|------------------------------|-------------|-----|-------|
| Wide curved bases with LEDs | 45 | 15° | 7,5° |
| Sharp curved bases with LEDs | 45 | 30° | 15° |

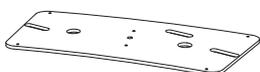
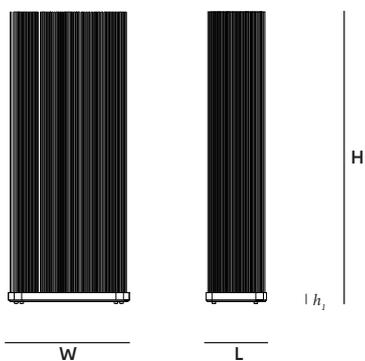
OPTIONAL EXTRA WEIGHT



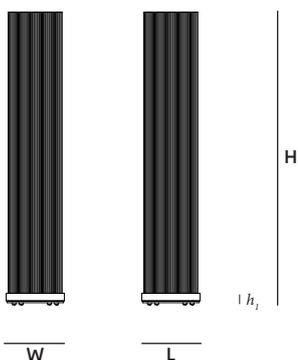
| Dimensions (mm) | L | W | H | l_i | w_i | h_i |
|-------------------------------------|-----|-----|------|-------|-------|-------|
| Sticks 120 with base 60x30 + weight | 600 | 300 | 1228 | 590 | 290 | 57,50 |
| Sticks 150 with base 60x30 + weight | 600 | 300 | 1528 | 590 | 290 | 57,50 |
| Sticks 180 with base 60x30 + weight | 600 | 300 | 1828 | 590 | 290 | 57,50 |
| Sticks 210 with base 60x30 + weight | 600 | 300 | 2128 | 590 | 290 | 57,50 |



| Dimensions (mm) | L | W | H | l_i | w_i | h_i |
|--|-----|-----|------|-------|-------|-------|
| Sticks 120 with sharp curved base + weight | 652 | 326 | 1228 | 642 | 316 | 57,50 |
| Sticks 150 with sharp curved base + weight | 652 | 326 | 1528 | 642 | 316 | 57,50 |
| Sticks 180 with sharp curved base + weight | 652 | 326 | 1828 | 642 | 316 | 57,50 |
| Sticks 210 with sharp curved base + weight | 652 | 326 | 2128 | 642 | 316 | 57,50 |



| Dimensions (mm) | L | W | H | l_i | w_i | h_i |
|---|-----|-----|------|-------|-------|-------|
| Sticks 120 with wide curved base + weight | 628 | 246 | 1228 | 618 | 236 | 57,50 |
| Sticks 150 with wide curved base + weight | 628 | 246 | 1528 | 618 | 236 | 57,50 |
| Sticks 180 with wide curved base + weight | 628 | 246 | 1828 | 618 | 236 | 57,50 |
| Sticks 210 with wide curved base + weight | 628 | 246 | 2128 | 618 | 236 | 57,50 |



| Dimensions (mm) | L | W | H | l_i | w_i | h_i |
|-------------------------------------|-----|-----|------|-------|-------|-------|
| Sticks 120 with base 30x30 + weight | 300 | 300 | 1228 | 290 | 290 | 57,50 |
| Sticks 150 with base 30x30 + weight | 300 | 300 | 1528 | 290 | 290 | 57,50 |
| Sticks 180 with base 30x30 + weight | 300 | 300 | 1828 | 290 | 290 | 57,50 |
| Sticks 210 with base 30x30 + weight | 300 | 300 | 2128 | 290 | 290 | 57,50 |

BAG 1: RUBBER BASE



BOX 1: RUBBER BASE WITH LED / WOODEN BASE (WITH LED)

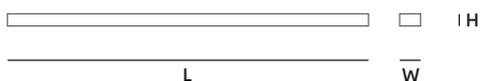


BOX 2: RUBBER CURVED BASE WITH LED / WOODEN CURVED BASE (WITH LED)

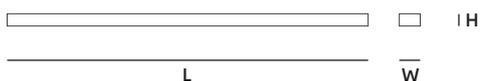


| Box dimensions (mm) | | L | W | H | Qty (#) | Volume (m ³) | Gross weight (kg) | Net weight (kg) | Packaging weight (kg) |
|--|-------|-----|-----|----|---------|--------------------------|-------------------|-----------------|-----------------------|
| Rubber base 60x30 | Bag 1 | 600 | 300 | 40 | 1 | 0,01 | 10,01 | 10,00 | 0,01 |
| Rubber base 60x30 with LEDs | Box 1 | 630 | 310 | 60 | 1 | 0,01 | 10,41 | 10,11 | 0,30 |
| Rubberwood base 60x30 | Box 1 | 630 | 310 | 60 | 1 | 0,01 | 4,90 | 4,60 | 0,30 |
| Rubberwood base 60x30 with LEDs | Box 1 | 630 | 310 | 60 | 1 | 0,01 | 4,90 | 4,60 | 0,30 |
| Extra weight for bases 60x30 | Box 1 | 630 | 310 | 60 | 1 | 0,01 | 10,31 | 10,01 | 0,30 |
| Rubber base sharp curved | Bag 1 | 630 | 310 | 60 | 1 | 0,01 | 10,01 | 10,00 | 0,01 |
| Rubber base sharp curved with LEDs | Box 2 | 715 | 325 | 52 | 1 | 0,01 | 10,41 | 10,00 | 0,41 |
| Rubberwood base sharp curved | Box 2 | 715 | 325 | 52 | 1 | 0,01 | 5,01 | 4,60 | 0,41 |
| Rubberwood base sharp curved with LEDs | Box 2 | 715 | 325 | 52 | 1 | 0,01 | 5,01 | 4,60 | 0,41 |
| Extra weight for bases sharp curved | Box 2 | 715 | 325 | 52 | 1 | 0,01 | 10,62 | 10,21 | 0,41 |
| Rubber base wide curved | Bag 1 | 630 | 250 | 40 | 1 | 0,01 | 10,01 | 10,00 | 0,01 |
| Rubber base wide curved with LEDs | Box 2 | 715 | 325 | 52 | 1 | 0,01 | 10,41 | 10,00 | 0,41 |
| Rubberwood base wide curved | Box 2 | 715 | 325 | 52 | 1 | 0,01 | 5,01 | 4,60 | 0,41 |
| Rubberwood base wide curved with LEDs | Box 2 | 715 | 325 | 52 | 1 | 0,01 | 5,01 | 4,60 | 0,41 |
| Extra weight for bases wide curved | Box 2 | 715 | 325 | 52 | 1 | 0,01 | 10,62 | 10,21 | 0,41 |
| Rubber base 30x30 | Bag 1 | 660 | 330 | 40 | 1 | 0,01 | 5,01 | 5,00 | 0,01 |
| Rubber base 30x30 with LED | Box 1 | 630 | 310 | 60 | 1 | 0,01 | 5,36 | 5,06 | 0,30 |
| Rubberwood base 30x30 | Box 1 | 630 | 310 | 60 | 1 | 0,01 | 2,60 | 2,30 | 0,30 |
| Rubberwood base 30x30 with LED | Box 1 | 630 | 310 | 60 | 1 | 0,01 | 2,60 | 2,30 | 0,30 |
| Extra weight for bases 30x30 | Box 1 | 630 | 310 | 60 | 1 | 0,01 | 5,05 | 4,75 | 0,30 |
| Rubber base 50x25 | Bag 1 | 500 | 250 | 40 | 1 | 0,01 | 7,01 | 7,00 | 0,01 |

PLASTIC BAG 1: 48 RODS



PLASTIC BAG 2: 32 RODS



| Box dimensions (mm) | | L | W | H | Qty (#) | Volume (m ³) | Gross weight (kg) | Net weight (kg) | Packaging weight (kg) |
|-------------------------|-------|------|-----|----|---------|--------------------------|-------------------|-----------------|-----------------------|
| Rods 120 for base 60x30 | Bag 1 | 1900 | 110 | 65 | 2 | 0,02 | 12,78 | 12,68 | 0,10 |
| Rods 150 for base 60x30 | Bag 1 | 1900 | 110 | 65 | 2 | 0,02 | 15,94 | 15,84 | 0,10 |
| Rods 180 for base 60x30 | Bag 1 | 1900 | 110 | 65 | 2 | 0,02 | 19,10 | 19,00 | 0,10 |
| Rods 210 for base 60x30 | Bag 1 | 2200 | 110 | 65 | 2 | 0,03 | 22,28 | 22,18 | 0,10 |
| Rods 120 for base 30x30 | Bag 1 | 1900 | 110 | 65 | 1 | 0,01 | 6,39 | 6,34 | 0,05 |
| Rods 150 for base 30x30 | Bag 1 | 1900 | 110 | 65 | 1 | 0,01 | 7,97 | 7,92 | 0,05 |
| Rods 180 for base 30x30 | Bag 1 | 1900 | 110 | 65 | 1 | 0,01 | 9,55 | 9,50 | 0,05 |
| Rods 210 for base 30x30 | Bag 1 | 2200 | 110 | 65 | 1 | 0,02 | 11,14 | 11,09 | 0,05 |
| Rods 120 for base 50x25 | Bag 2 | 1900 | 110 | 65 | 2 | 0,01 | 4,27 | 4,22 | 0,05 |
| Rods 150 for base 50x25 | Bag 2 | 1900 | 110 | 65 | 2 | 0,01 | 5,33 | 5,28 | 0,05 |
| Rods 180 for base 50x25 | Bag 2 | 1900 | 110 | 65 | 2 | 0,01 | 6,39 | 6,34 | 0,05 |

RODS



White

Black



Wood colour

Green

LEDS



Cool

Warm

RUBBERWOOD BASE



Natural

Dark



| Materials | Key facts | Thickness mm | Layer thickness micron | Density | In/outdoor | Water | UV colour fastness | Flame retarding |
|-------------------------------|---|-----------------|------------------------------|--|------------------|-------|--|--------------------|
| Fibre glass rods | <ul style="list-style-type: none"> made with the pultrusion technique: a non-stop process of fibre glass wires pulled through a bath of polyester strong corrosion-durability light weight | 6 | n.a. | 0,45 10 ³ kg/m ³ | outdoor & indoor | n.a. | very good: colour / can fade a little bit when exposed to UV | / |
| Rubber base | <ul style="list-style-type: none"> made from mostly regenerated rubber, more ecological rubber can cause black stripes on the floor by direct contact use protection feet | 40 | n.a. | 1,25 10 ³ kg/m ³ | outdoor & indoor | n.a. | good | / |
| Rubberwood base | <ul style="list-style-type: none"> wood of the rubber tree, very valuable high stability easy to process ecologically sustainable wood treated with oil to make it more resistant to dirt and maintains its colour | 40 | n.a. | 600 g/m ² | indoor | n.a. | n.a. | / |
| Optional LED | <ul style="list-style-type: none"> colour temperature of 6500K (cool white) or 3000K (warm white) beam angle of 25° 350mA 2 x 3,2W 100 - 220 V; 50 - 60 Hz up to 20 LEDs per plug, i.e. 10 straight or curved bases | n.a. | n.a. | n.a. | outdoor & indoor | IP65 | / | / |
| Lead, plug & stop | <ul style="list-style-type: none"> supplied plug is of the type C in countries where this plug is not used, a plug will have to be fitted locally up to 20 LEDs per plug, i.e. 10 straight or curved bases in a row | n.a. | n.a. | n.a. | outdoor & indoor | IP65 | / | / |
| Galvanised steel extra weight | <ul style="list-style-type: none"> most durable method for protecting metal from rusting very long life span can perfectly be recycled for windy spaces | 8 | n.a. | 7,50 10 ³ kg/m ³ | outdoor & indoor | n.a. | very good, galvanisation will however become dull when used outdoors | NEN-EN13501-1 A1 * |

* NEN-EN13501-1 A1

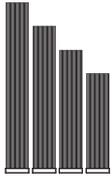
Class A1 products will not contribute in any stage of the fire including the fully developed fire. For that reason they are assumed to be capable of satisfying automatically all requirements of all lower classes.

APPLICATIONS

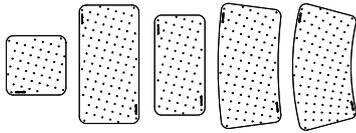
Private: living, kitchen, on terraces, patios, ...

Public: offices, company terrace, restaurants, hotels, ...

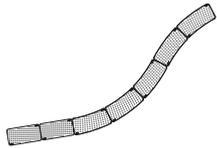
4 heights



square, straight, small, wide curve, sharp curve



endless modularity



LED



display system



WARNINGS

1. During the production process tiny glass fibres may come loose and remain stuck to the rods. In case of skin contact they may cause slight irritation. We consequently recommend that you thoroughly dust or rinse the rods before inserting them into the bases to reduce these fibres to a minimum.
2. Do not touch the fibre glass rods with your bare hands. Always use a glove to assemble Sticks.
3. Do not allow anyone to use the rods for playing of jousting. This may cause injuries.
4. Because of the specific characteristics of the production process of fibre glass, colours can only be reproduced approximatively and colour differences may occur. This is the case for both standard colours as for colours upon request.

TIP

You do not have to insert all the rods. To achieve more transparency, you can always put fewer sticks in bases.

CURVED BASES

A wide curved base (D4) and a sharp curved base (D2) are available.

RUBBER OR WOODEN BASE CURVED D4

24 pieces create a complete circle of \varnothing 4,20 m
12 pieces create a half circle
6 pieces create a quarter circle

RUBBER OR WOODEN BASE CURVED D2

12 pieces create a complete circle of \varnothing 2,10 m
6 pieces create a half circle
3 pieces create a quarter circle

FLOOR FASTENING

Sticks base can be anchored to the ground by drilling a hole in the ground and putting a screw (\varnothing 6mm) through the middle of the base (instead of a rod) in the ground.

GOOD TO KNOW

The most international design. In 2003 Extremis launched the most internationally oriented product of a Chinese-German couple living in Australia, put on the market by a Belgian company, and (partially) manufactured in Sri Lanka.

The Sri Lanka production unit is part of a development project set up by the 'Building a Future Foundation'. BAF Foundation is a special purpose foundation that is established with the sole and only purpose to create a future for the youth along the coastal areas affected by tsunami by bringing in new activities, technologies, skills and trainings in order to generate such economic activities and employment opportunities.

More: www.bafk.org

F.A.Q.

Q: How long does it take to install one set?

A: One set of 60x30 takes about 10 minutes.

Q: How many rods are there in one base?

A: 1 bunch of rods = 49 rods or 32 rods.
- Bases 60x30 \rightarrow 2 bunches of 49 rods = 98 rods
- Bases 30x30 \rightarrow 1 bunch = 49 rods
- Base 50x25 \rightarrow 2 bunches of 32 rods = 64 rods

Q: Are the rods safe for children? Can this material cause skin irritations by touching the rods?

A: The rods are covered with a protection layer, so the fibre glass won't hurt the skin. Because of the production some fibre glass dust may stick to the rods, so we advice to wear gloves.

Q: How many bases with LEDs can be fixed to each other with only 1 power supply?

A: Up to 10 bases (20 Led lights).

MAINTENANCE

Download the manuals from our website for maintenance instructions.

