

v o l a t i l e s

Buyer's Guide

English



Welcome to volatiles

volatiles is a luxurious lighting product made in Germany using innovative patented technology. Beautiful glass mosaic tile becomes a symphony of light when touched or controlled wirelessly. You can select animated scenes for every mood, draw, change brightness and control other devices simply by touching the tiles.

volatiles offers endless, interactive design possibilities for illuminating spas, bathrooms, showers, kitchens, bedrooms, hallways, lobbies, health care environments, table tops and even ceilings.

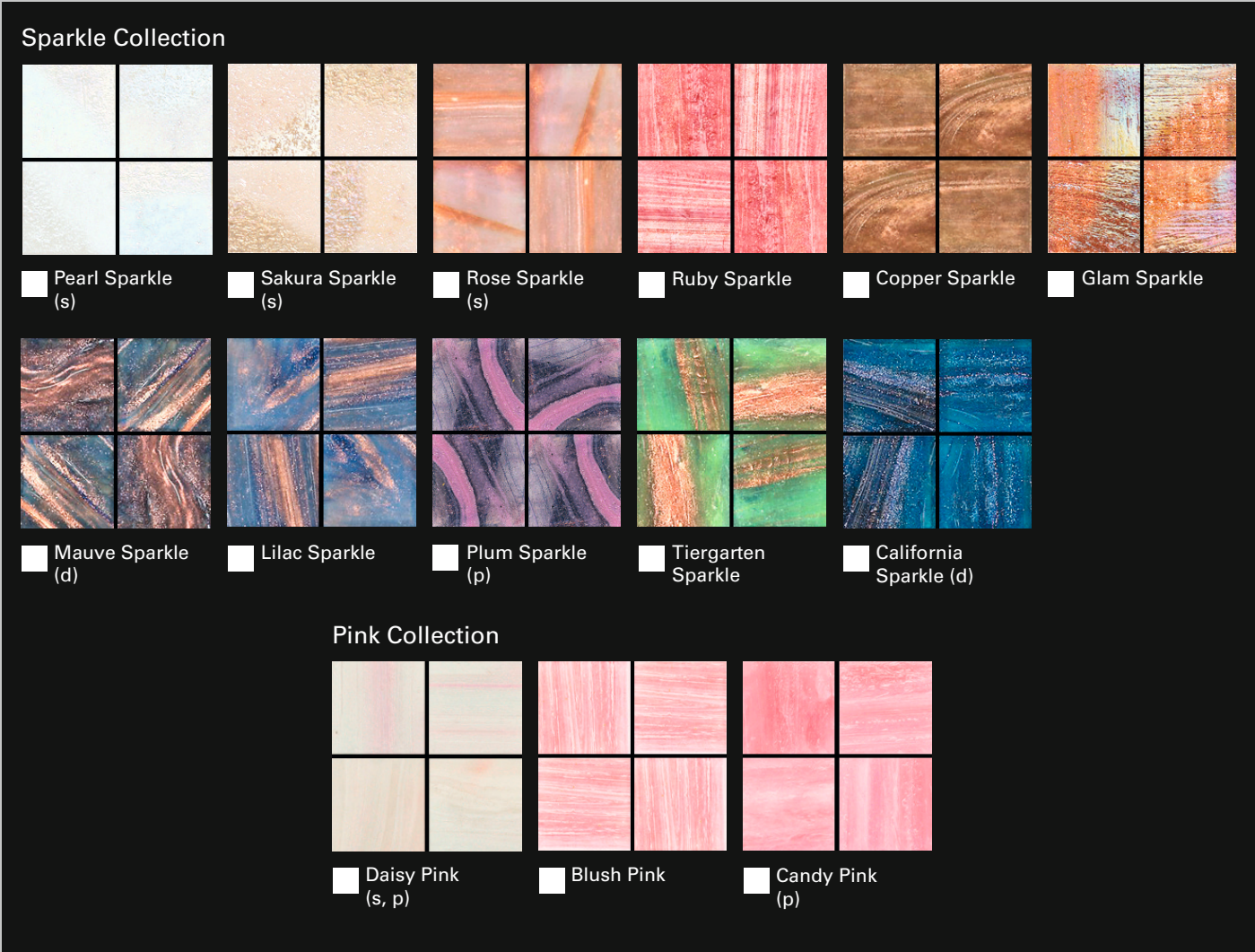
Contact us to bring new light into your life!

Phone: +49 (0) 30 555 73446

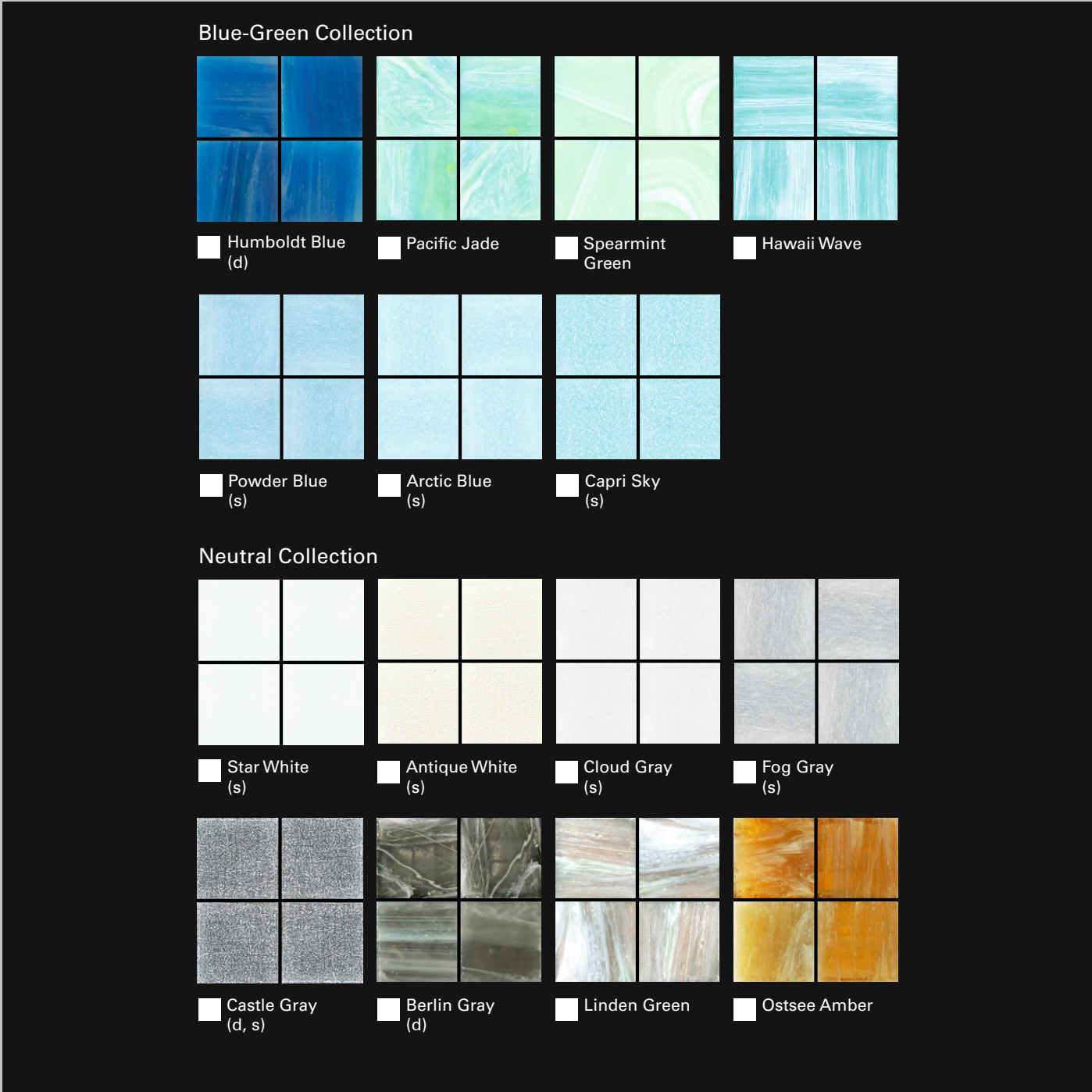
Email: dialog@volatiles.lighting

Step 1: Select your mosaic tile color

- Use the color images below only as a conceptual guide.
- Each color illuminates with its own unique character.
- Our mosaic tiles are partially handcrafted giving them each individual variation.



(s) These tile colors have a shadowy look when illuminated.
(d) Darker tile color resulting in less overall lumens emitted.
(p) Premium tile colors, which contain ruby and platinum, have an increased price.



Step 2: Select your mosaic style

■ One color

- Select one color for your entire surface. Each of our colors contain variation between the individual tiles.
- Choose this option for the maximum effect from the digital light scenes.

■ Color blend

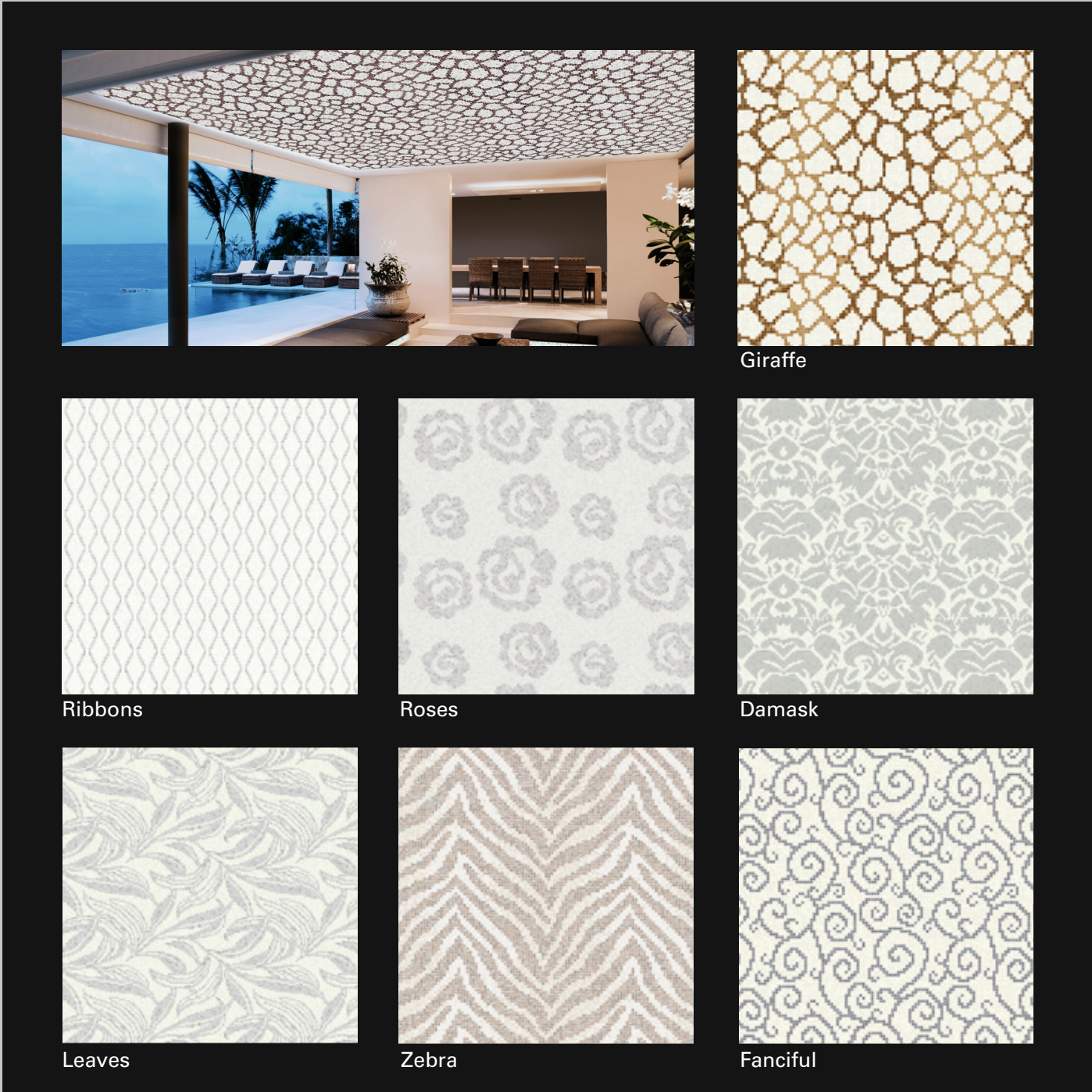
- Mix different colors in a random pattern.
- Please ask us which colors are best in combination over our LED light source.
- Please allow for a longer lead time.

■ Wallpaper

- A wallpaper provides a pattern when the light source is turned off. You will also see the pattern while the light scenes are displayed.
- Please allow for a longer lead time and an increased price.

■ Your design

- Create your own designs; please contact us for more information.
- Please allow for a longer lead time and an increased price.



Step 3: Select your grout color

- Please ask us for grout color suggestions if you are unsure.

White
(default)

Gray

Black

Brown

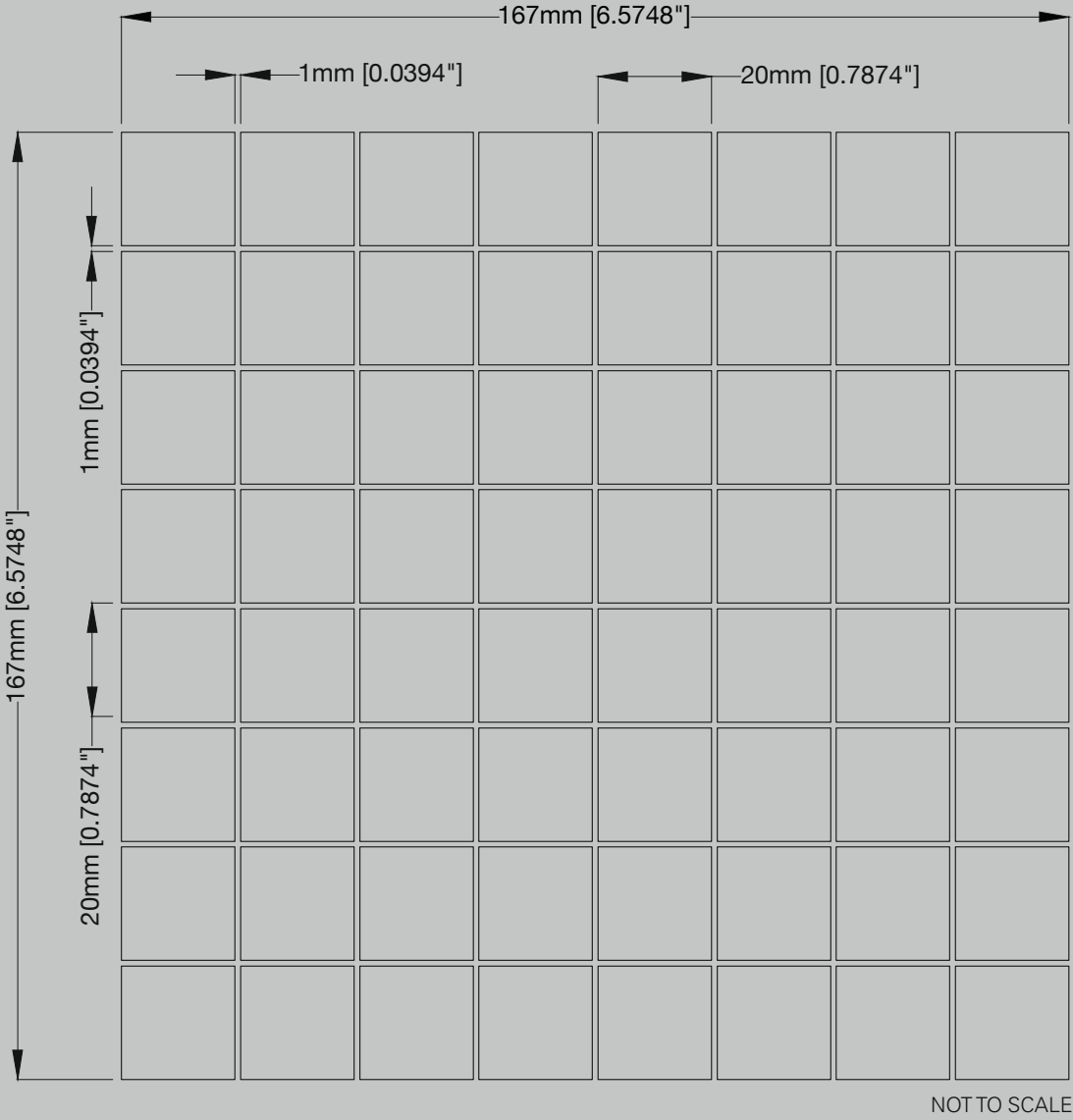
Custom*

Step 4: Select your size and shape

- One module is the smallest product unit and cannot be cut; therefore all illuminated surfaces must be a multiple of whole modules.
- Our module consists of 64 tiles arranged in an 8 x 8 square and measures 167mm x 167mm or approximately 6.5748" x 6.5748" (~6-37/64" x ~6-37/64")**.
- Multiple modules are combined to create your volatiles surface. There is a 1mm or approximately 0.0394" (~3/64")** grout line between each module which adds to the overall size.
- Additional standard glass tiles can be purchased to fill space around the illuminated surface.
- For more details on the exact module and tile dimensions, please see the technical information pages.

* Allow for longer lead time and additional cost.

1 module = 64 tiles = 167mm x 167mm ≈ 0.028 sqm
≈ 6.5748" x 6.5748" ≈ 0.3 sqft
≈ 6-37/64" x 6-37/64" **



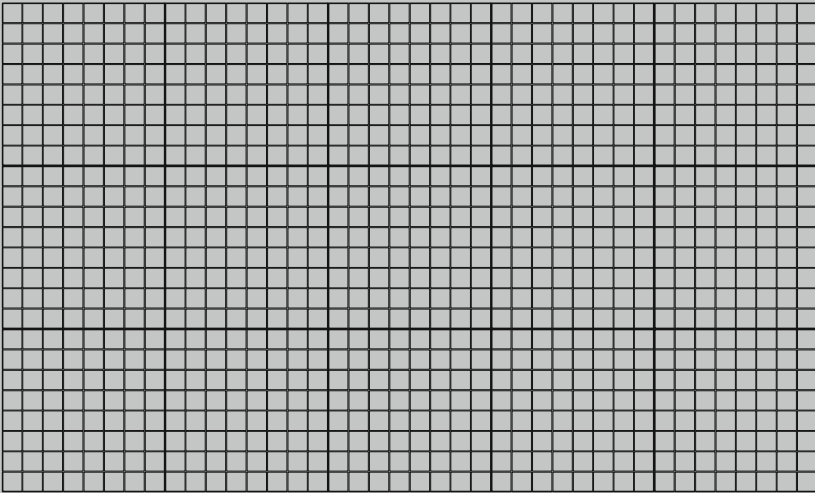
** Our product is manufactured using the metric measurement system, therefore please use metric units for maximum accuracy. For your convenience, imperial units are approximated in decimal format and, in some cases, the closest imperial fraction equivalent.

Step 4 continued

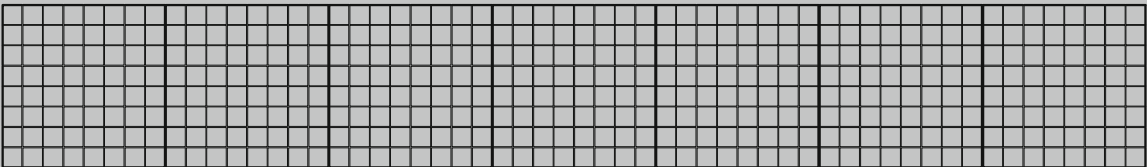
- Each volatiles module consists of 64 independent LED light sources, each behind its own glass tile.
- Modules are joined together to create any size and shape surface you desire.
- There is no maximum size to a volatiles surface installation.

■ Your shape design.

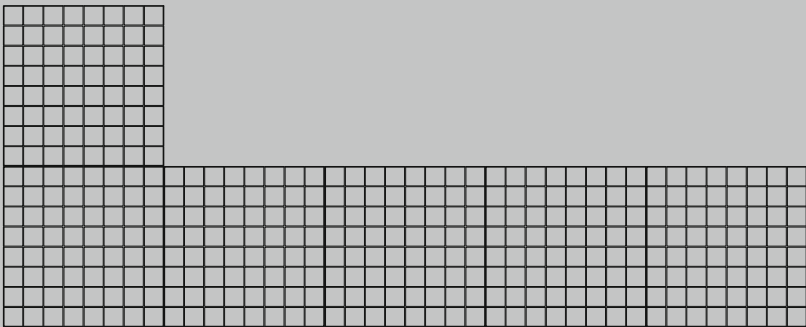
■ Rectangle or Square



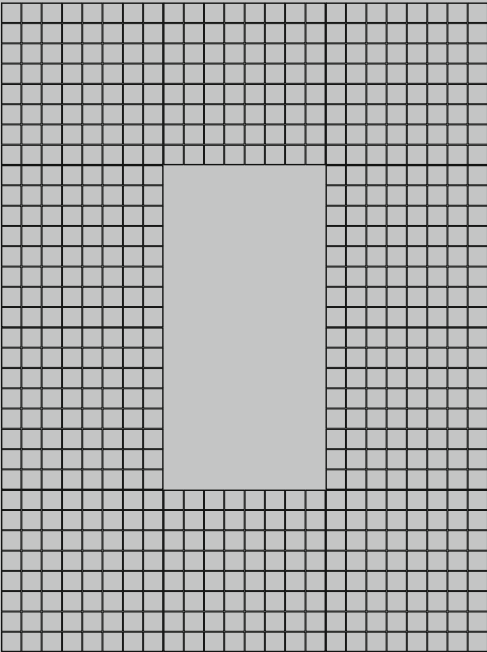
■ Stripe



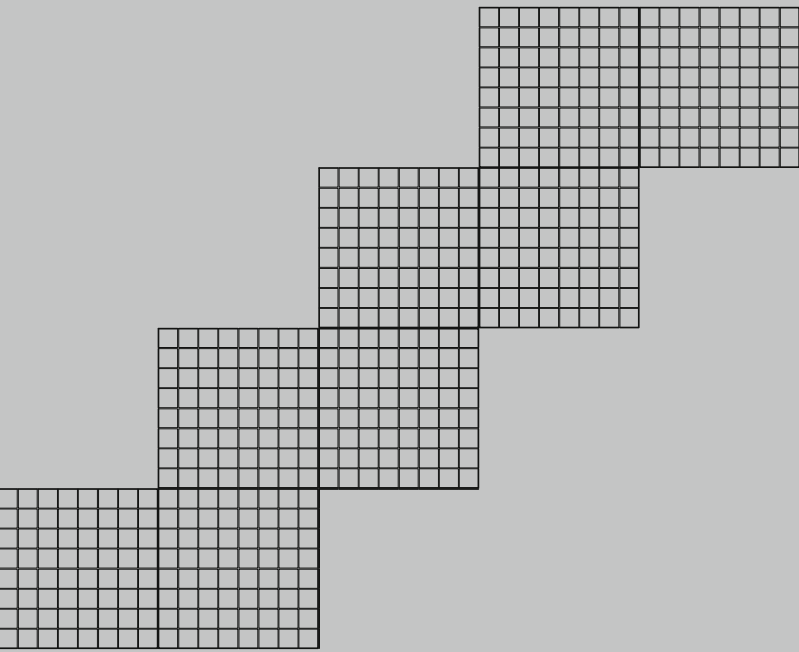
■ L- Shape



■ Frame



■ Staircase



Step 5: Select options

5a. Water resistance

Select from our two water resistance options depending on your desired installation location. The IP 44 rating is intended for surfaces installed in dry indoor spaces. The IP 67 rating is suitable for wet areas, such as showers, and areas with frequent water exposure and high humidity. Do not install in areas permanently submerged under water, such as swimming pools, or in areas with high heat, such as saunas.

- ☐ IP 44 rating: no additional cost
- ☐ IP 67 rating: additional cost per module*

5b. Frame

This option includes a thin aluminum frame surrounding the edges of the surface. Do not select a frame if your surface will be combined with other surfaces or standard mosaic tiles.

- ☐ No frame: no additional cost
- ☐ With aluminum frame: additional cost per module*
- ☐ With painted aluminum frame: additional cost per module*

5c. Mounting hardware

The mounting hardware, which strengthens torsion levels of the surface, includes an aluminum rail on the back and a wall bracket for easy installation. This option adds 20mm or 0.787402" (~25/32")** to the depth (see technical information pages for more details).

- ☐ No mounting hardware: no additional cost
- ☐ With mounting hardware: additional cost per surface*

5d. Integrated transformer

We offer an integrated ultra-flat transformer option, 16mm or 0.629921" (~5/8")**, that can be mounted on the backside of the surface within the space provided by the mounting hardware. This eliminates the need to have a place to hide your transformer. However, please check your local building codes if the transformer must be accessible after installation and if this is possible for your type of installation.

- ☐ External transformer: no additional cost
- ☐ Integrated transformer: additional cost per surface*

5e. Extended warranty and care

Our basic warranty is 2 years on the entire system and an additional 5 years on the power supply and transformer. We offer an extended warranty and care which includes 5 years on the entire system.

- ☐ Standard warranty: no additional cost
- ☐ Extended warranty: additional cost per project*

* Please see current price list.

** Our product is manufactured using the metric measurement system, therefore please use metric units for maximum accuracy. For your convenience, imperial units are approximated in decimal format and, in some cases, the closest imperial fraction equivalent.

Your volatiles project

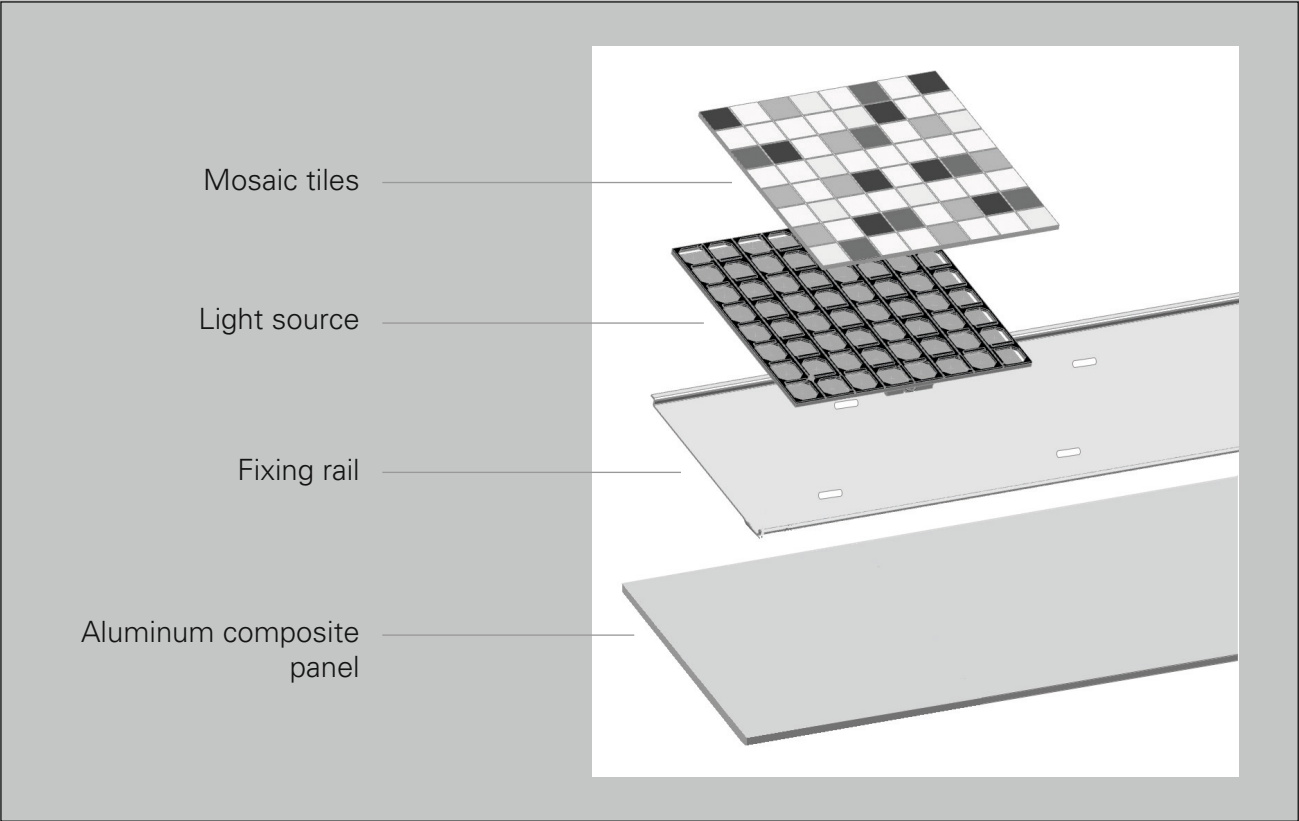
	Quantity		Price*		Total
volatiles surface	<input type="text"/>	x	<input type="text"/>	=	<input type="text"/>
Options:					
+ Premium color (additional price per module)	<input type="text"/>	x	<input type="text"/>	=	<input type="text"/>
+ IP 67 rating (additional price per module)	<input type="text"/>	x	<input type="text"/>	=	<input type="text"/>
+ Frame (additional price per module)	<input type="text"/>	x	<input type="text"/>	=	<input type="text"/>
+ Mounting hardware (additional price per surface)					<input type="text"/>
+ Integrated transformer (additional price per surface)					<input type="text"/>
Subtotal** =					<input type="text"/>
+ Extended warranty & care (additional price per project)					<input type="text"/>
Total** =					<input type="text"/>

* Please see current price list for all pricing.
** Prices do not include sales tax, shipping or installation costs.

Your project notes

Technical Information

- volatiles modules are dust and splash resistant (IP 44 and IP 67).
- Only install indoors for both ratings.
- The IP 67 rated option can be installed inside showers, spas and areas with high humidity.
- Excessive water on the tile surface will make the touch sensor less sensitive.
- Never install permanently submerged in water, such as in a swimming pool.
- Never install in a sauna or areas with high heat.
- Do not use bleach. Use mild cleaning supplies and a soft cloth.



Dimensions & weight of one module (including rail + aluminum composite panel)****

Length:	167mm	~ 6.5748"
Width:	167mm	~ 6.5748"
Depth*:	23mm	~ 0.9055"
Weight**:	740g	~ 1.63 lbs.

Weight of frame

258g per linear meter
0.56 lbs. per linear 39.3701"

Network

WiFi
(802.11a b/g/n, 2.4 GHz)

Consumption

Max. 2.8 W per module (without WiFi)
Max. 3.3 W per module (with WiFi)

Luminous flux

Max. 130 lm per module***

Light scenes and operation

Brightness, color temperature and light scenes can be selected via touch and the app.

Smart home integration

KNX, DALI, Loxone, EnOcean. Please contact us for more details and options.

Power supply

Power is supplied by an external transformer:
100-240 V AC, frequency: 50-60 Hz;
24 V DC SELV voltage to the modules

Colors

16.7 million colors (RGB)

Installation

Aluminum rail system

Operating temperature

0 – 40 °C
32 – 113 °F

IP rating

IP 44 or IP 67

Sensors

Touch (capacitive)

* Depths vary on installation type, please see specifications.

** Deviations are possible due to tile tolerances. Weight does not include frame, transformer or power cables.

*** Maximum figures, only achieved with completely transparent glass mosaic.

**** Our product is manufactured using the metric measurement system, therefore please use metric units for maximum accuracy. For your convenience, imperial units are approximated in decimal format and, in some cases, the closest imperial fraction equivalent.

Important

- All dimensions have a tolerance of +/- 2mm (~0.07874" or ~5/64").
- Our product is manufactured using the metric measurement system. Therefore, for maximum accuracy, please perform all calculations in metric units and convert only the final value to imperial units if needed.
- For your convenience, imperial units are approximated in decimal format and, in some cases, the closest imperial fraction equivalent. However, please keep in mind that the fraction conversions are only an approximation and not as accurate.

$1\text{mm} = 0.0394" \approx 5/128"$
 $25.4\text{mm} = 1"$

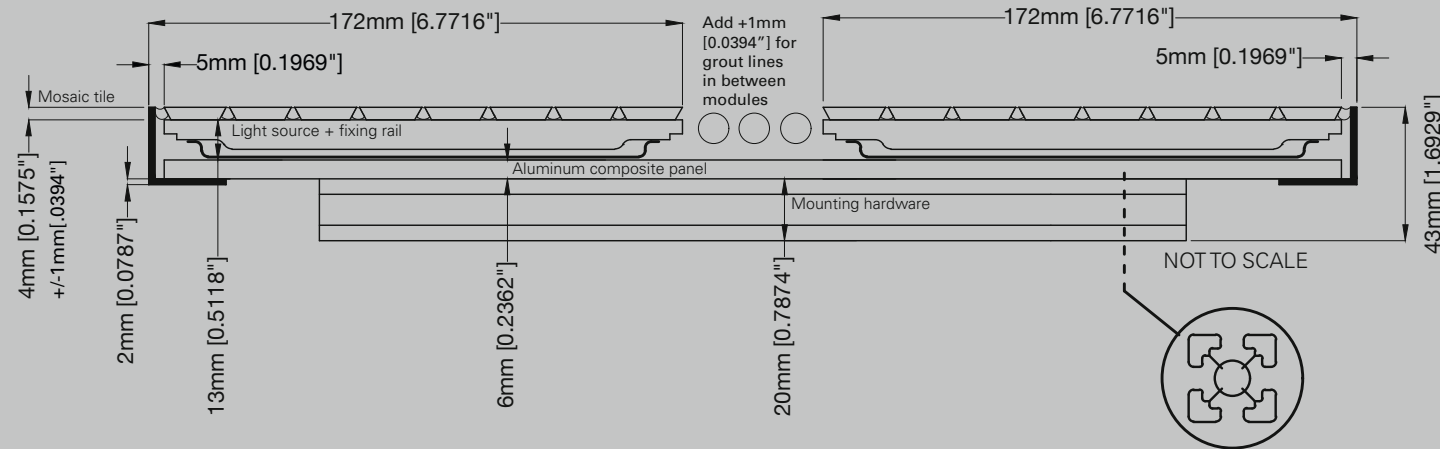
Size calculation example:
48 module surfaces arranged 6 wide x 8 high with a frame

Width: (167mm x 6 modules) + (1mm grout between modules x 5*) + (5mm for frame x 2) = 1017mm
Conversion to inches: (1017mm / 25.4) = 40.03937" \approx 40-1/32"

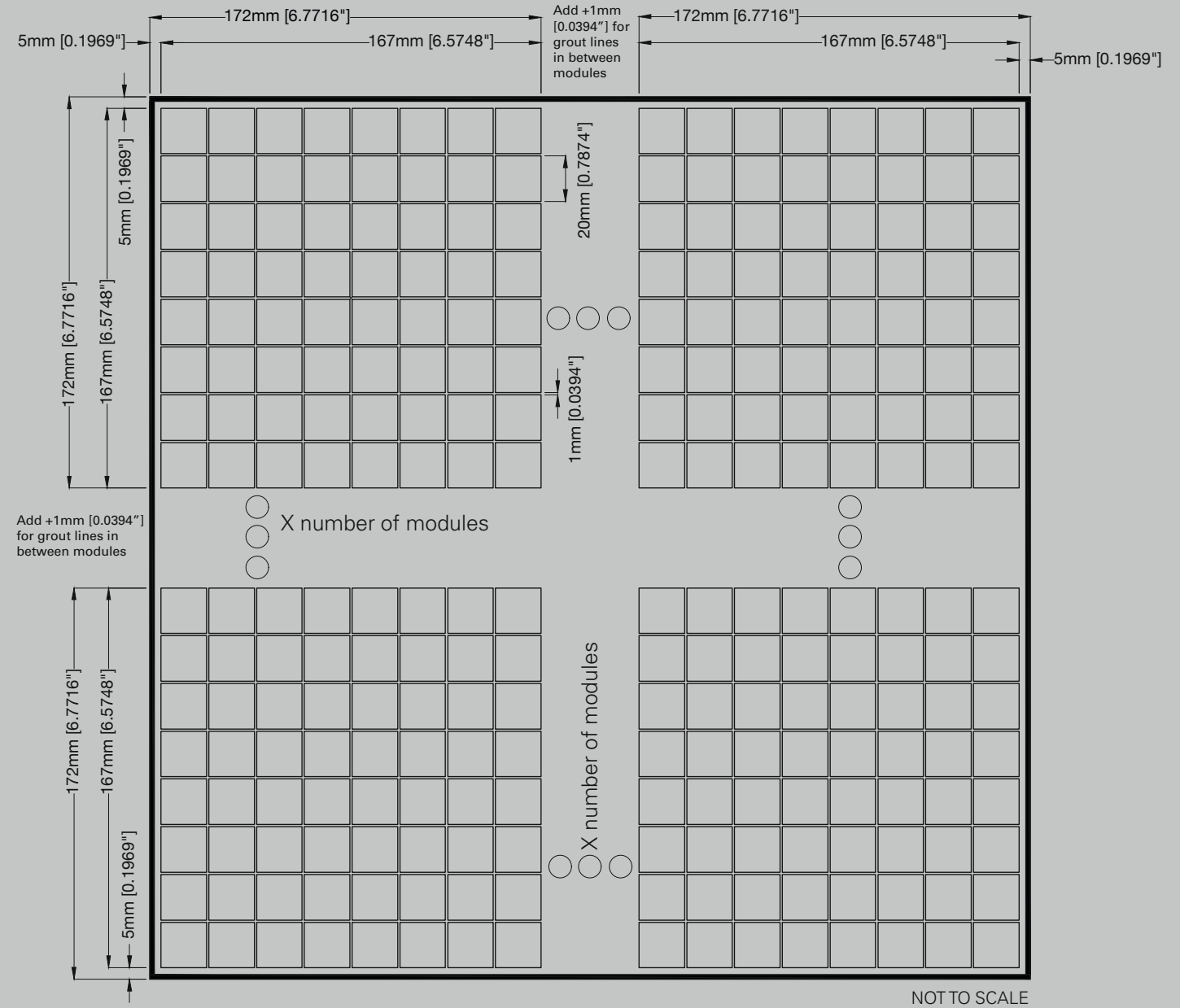
Height: (167mm x 8 modules) + (1mm grout between modules x 7*) + (5mm for frame x 2) = 1353mm
Conversion to inches: (1353mm / 25.4) = 53.26772" \approx 53-9/32"

*The number of grout lines in between the modules is always 1 less than the number of modules.

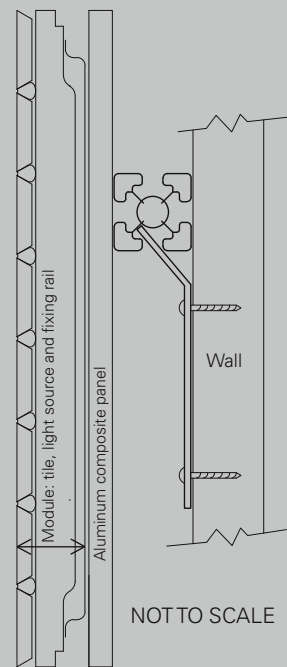
Side view: Light surface dimensions with frame option



Top view: Light surface dimensions with frame option

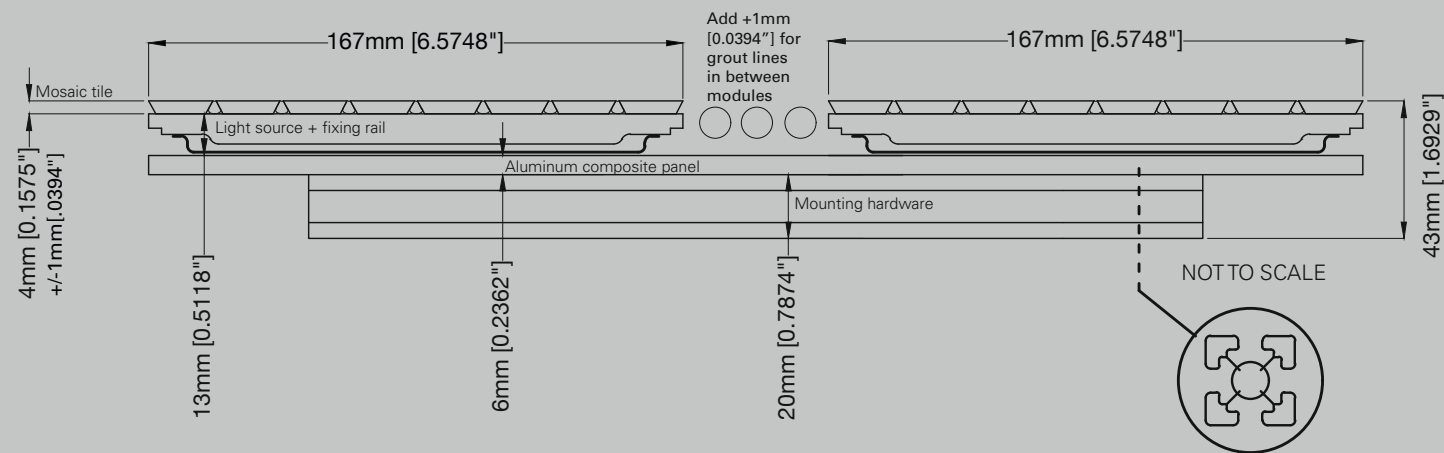


Wall mounting hardware and wall bracket installation



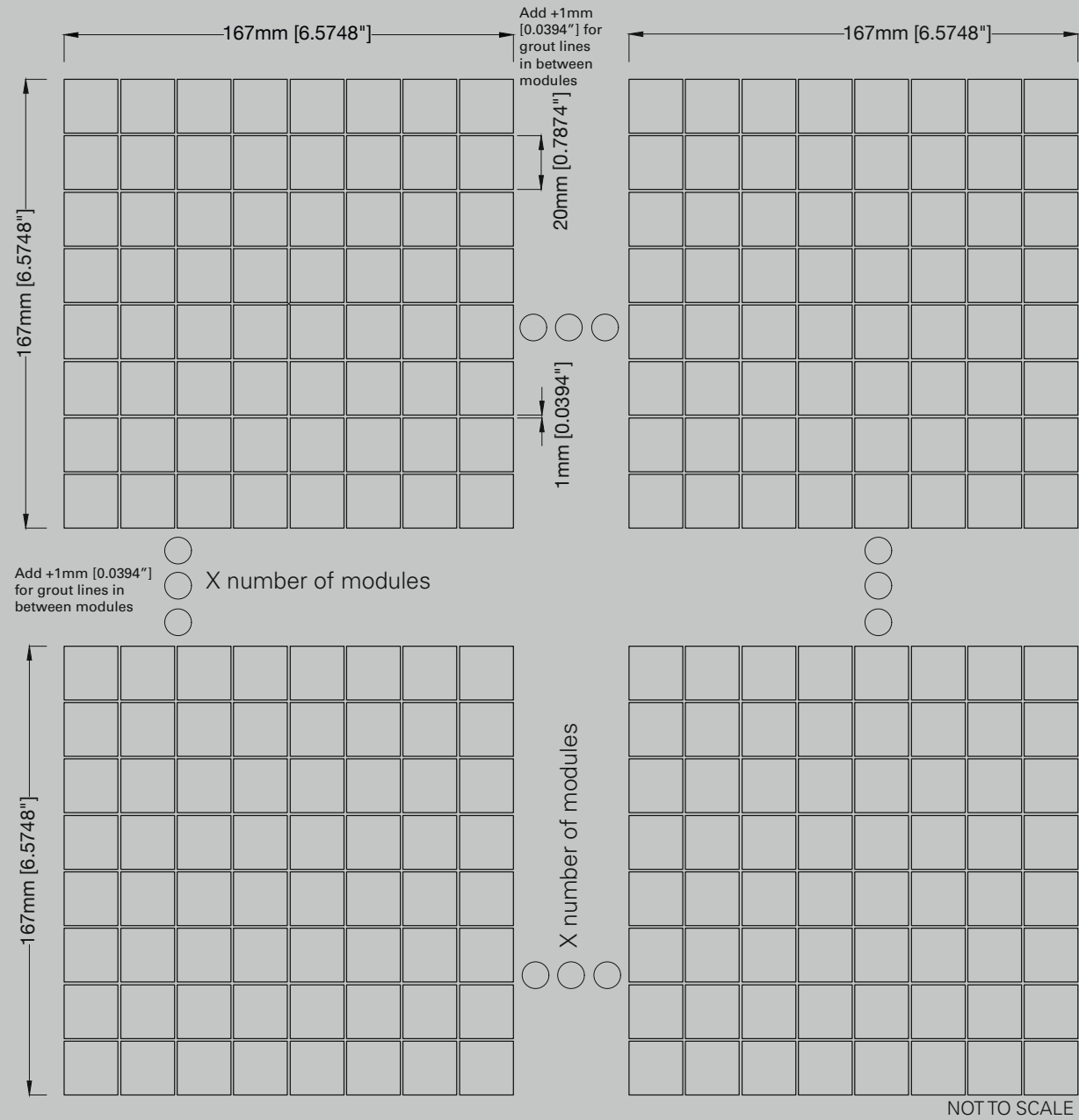
This is a conceptual drawing showing a cross section, side view of the mounting hardware which is connected to the backside of the light surface and secured into the wall bracket.

Side view: Light surface dimensions without frame option*



* Our product is manufactured using the metric measurement system, therefore please use metric units for maximum accuracy. For your convenience, imperial units are approximated in decimal format and, in some cases, the closest imperial fraction equivalent.

Top view: Light surface dimensions without frame option*



volatiles is a luxury experience created especially for
you, completely customizable to your wishes.

We look forward to creating ***your*** volatiles surface!

Please contact your local volatiles
sales representative.

volatiles lighting GmbH

Nonnendammallee 44
13629 Berlin
Germany

+49 (0) 30 555 73446
dialog@volatiles.lighting

www.volatiles.lighting

www.volatiles.lighting