

**BOCCI**

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☼WL indicates fixture is suitable for wet locations (IP65 rated)



Bocci Office  
Bocci HQ Vancouver (2014)

Bocci

In 2005, Bocci was founded in a red barn surrounded by hay fields, on the periphery of Vancouver, Canada. The company launched with one product, 14, which became an instant classic and remains a design staple and bestseller. Today, Bocci has a growing portfolio of contemporary design ranging from light installations through to furniture and electrical sockets. All Bocci designs are developed, engineered, and fabricated in-house through an infrastructure calibrated to provide full control over technique, quality, and scale.

With headquarters in Vancouver and a satellite company in Berlin, Bocci operates as a co-operative community of designers, architects, craftspeople, technicians, agents, governance bodies, testing facilities, raw material suppliers, and fine shops. We strive for a healthy, flexible, and stable network united by the goal of creating and delivering extraordinary objects.

Bocci is committed to participating in the speed of contemporary culture. We hold strong inventories and command a worldwide warehousing network in order to accommodate short lead times. In many cases, our products are shipped within 24 hours of an order.



Omer Arbel  
Photo: James O'Mara

Bocci Creative Director Omer Arbel explores the intrinsic mechanical, physical, and chemical qualities of materials as fundamental departure points for making work. His interdisciplinary practice spans multiple scales and cultural-economic contexts to include architecture, industrial design, materials research, sculpture, invention, and high craft manufacturing. Arbel's work has been exhibited at the Victoria and Albert Museum, Spazio Rossana Orlandi, Mallett, and the Monte Clark Gallery, among others.



Designed by Omer Arbel, 2005.

14 is an articulated, cast glass sphere with a frosted cylindrical void that houses either a low-voltage xenon or LED lamp. Individual pendants are visually subtle, but gain an atmospheric quality when multiplied and clustered in groups.



14.1m x 52  
Photo: Leticia Remião

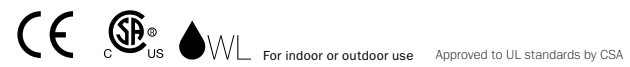
14.1m allows for a variety of compositional possibilities, ranging from ambient to punctuated dense clusters in specific high profile locations.

#### Materials

Cast glass, blown borosilicate glass, braided metal coaxial cable, silicone gaskets, electrical components and a brushed nickel or white powder coated canopy.

Worldwide patents and registrations:

US D556,361  
EU 518394  
CN 0.00488







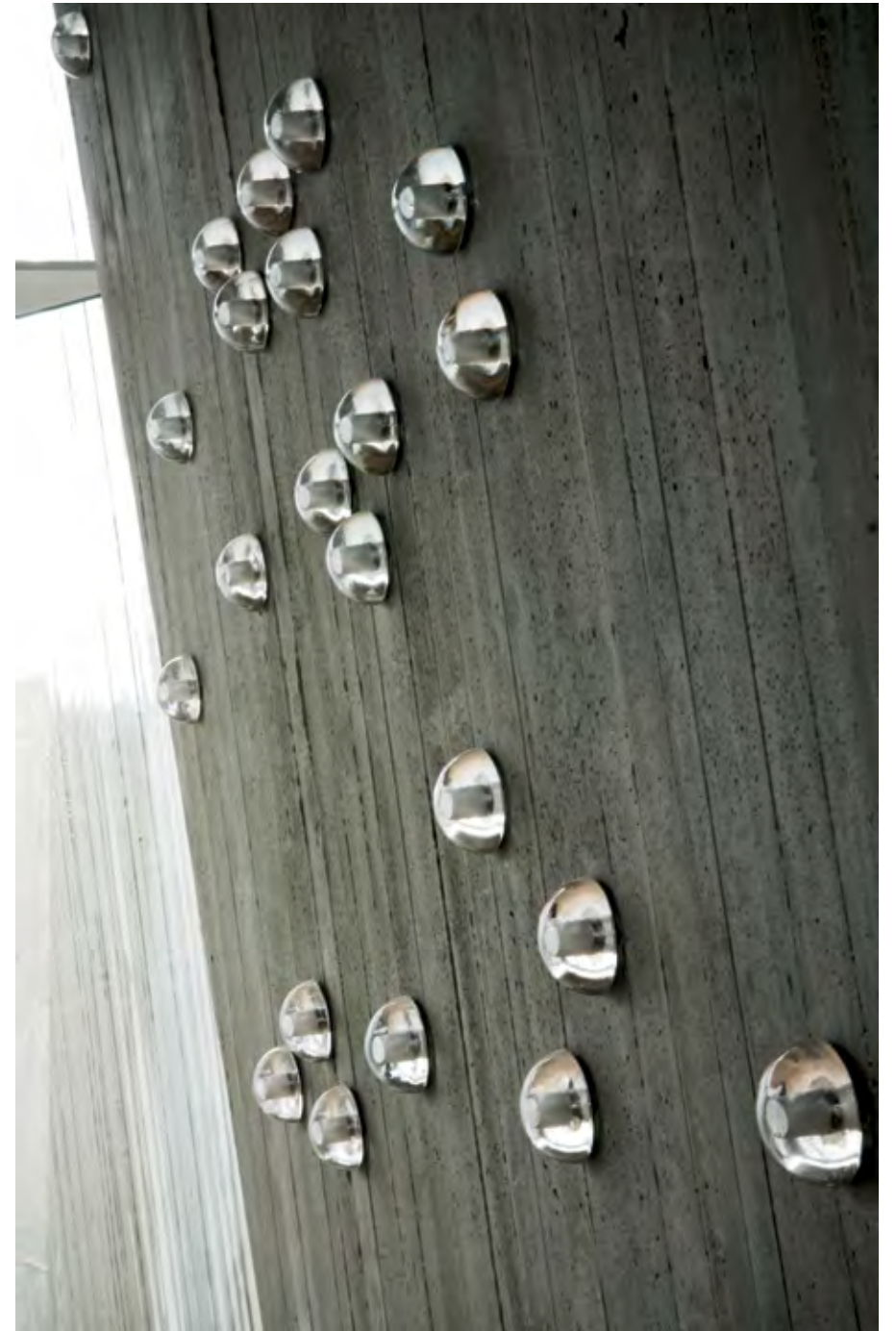
14.142  
Photo: Estudi Borrell





All 14 pendants are available in amber, grey, and clear. Grey pendants are pictured here.

14.3 in grey  
Photo: Gwendael Lewis



14 is also available as a surface mount fixture.

14s  
Photo: Cory Dawson





14s in amber  
Photo: Owenael Lewis





14.36 rectangle x 2  
Photo: Gwenael Lewis



14.26  
Photo: Gwenael Lewis

Designed by Omer Arbel, 2015.

16 is formed by sequentially pouring three separate layers of coloured, molten glass – in varying opacities – on a horizontal plane. Each layer responds to the indeterminate shape of the previous pour to create a uniquely layered whole. Two of these pieces are then attached and illuminated with an internal LED lamp. The finished 16 is visually complex: each separate colour layer is visible through the other layers, with light reflecting along the edges.

A modular armature system connects the glass pieces to a series of branches and stems. Each armature segment carries low-voltage electricity and diverges into 2-4 separate branches, allowing both vertical and horizontal deployment with an infinite variety of possible forms. The branches simply click together during installation for custom, on-site arrangements.

#### Materials

Poured glass, stainless steel armature, electrical components and a brushed stainless steel, brass plated or white powder coated canopy.

Worldwide patents and registrations pending.



16.8  
Photo: Gwenael Lewis

# Armature Components

Armature components available in three sizes:

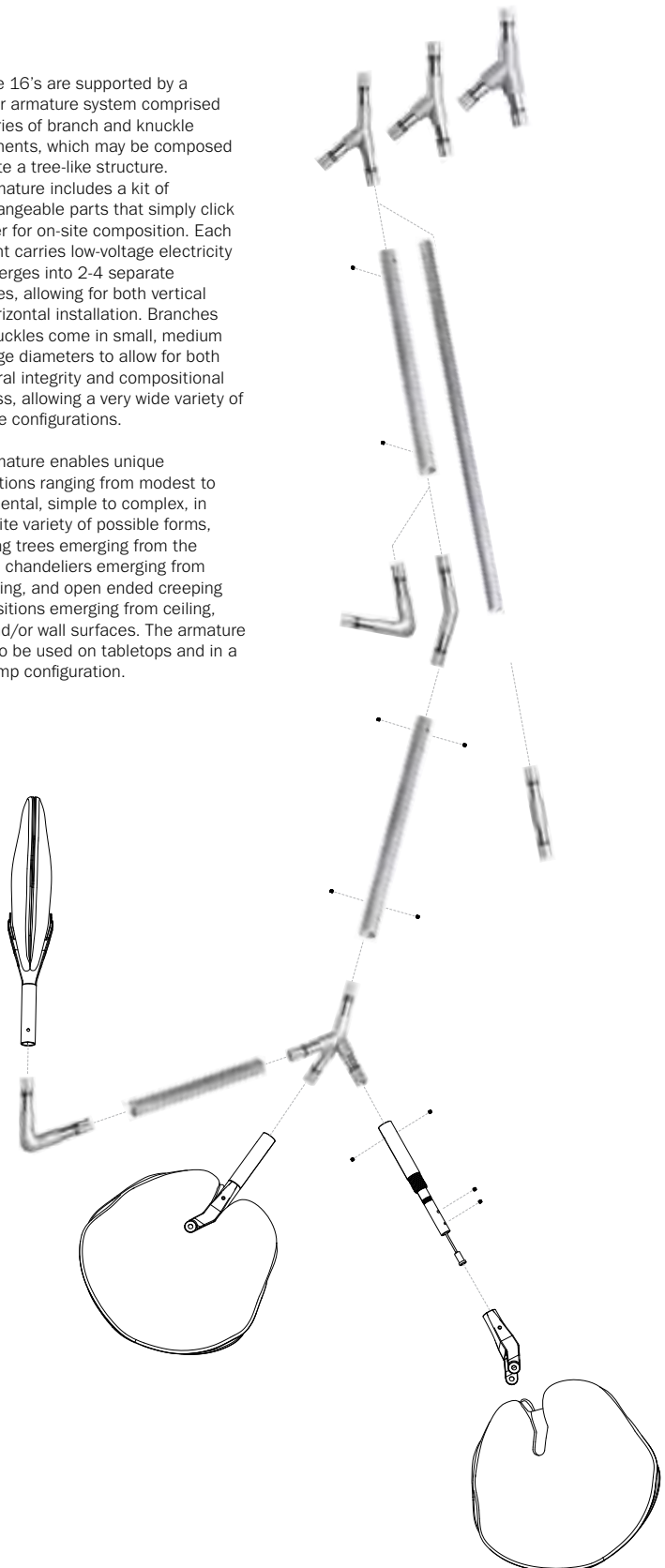
- small (Ø17mm)
- medium (Ø20mm)
- large (Ø25mm)

\*small armature shown



Multiple 16's are supported by a modular armature system comprised of a series of branch and knuckle components, which may be composed to create a tree-like structure. The armature includes a kit of interchangeable parts that simply click together for on-site composition. Each segment carries low-voltage electricity and diverges into 2-4 separate branches, allowing for both vertical and horizontal installation. Branches and knuckles come in small, medium and large diameters to allow for both structural integrity and compositional lightness, allowing a very wide variety of possible configurations.

The armature enables unique installations ranging from modest to monumental, simple to complex, in an infinite variety of possible forms, including trees emerging from the ground, chandeliers emerging from the ceiling, and open ended creeping compositions emerging from ceiling, floor and/or wall surfaces. The armature can also be used on tabletops and in a floor lamp configuration.











16.480  
Photo: Gwenael Lewis



16  
Photo: Gwenael Lewis

Designed by Omer Arbel, 2011.

19 results from re-interpreting the technique of sand-casting brass. Instead of eliminating the overspill (or waste) associated with the process, it is encouraged and celebrated. A round shape is pressed into the sand with a sand plug suspended above. The resulting void between the sand layers is filled with molten brass – encouraging a generous and unpredictable overspill along the open perimeter.

The high copper content in the brass oxidizes immediately upon contact with air, producing a coarse and highly textured overspill. This stands in contrast to the smooth, non-oxidized interior, which is hand-polished to a mirror finish.

19.280 is unlimited production, numbered and signed. 19.540 is a limited run of 95 pieces, numbered and signed. 19.800 is a limited run of 19 pieces, numbered and signed.

Materials  
Recycled red brass

Worldwide patents and registrations issued:  
US D694,068  
EU 00182-12-0001



19.280 x 2  
Photo: Robert Kezire





19.280 x 2  
Photo: Gwensiel Lewis



19.280 x 2  
Photo: Gwensiel Lewis

19's can be placed on horizontal surfaces or mounted vertically to a wall.





19.280 & 19.540  
Photo: Gwenael Lewis

The 19 is available in three sizes, measured by the interior diameter of the bowl.



Designed by Omer Arbel, 2007.

21 results from a fabrication process in which thin porcelain sheets are draped over an inverted diffuser made of sandblasted borosilicate glass. The thin porcelain skin is allowed to dress the borosilicate core in whatever form occurs naturally – creating a unique shape in every iteration of the fabrication process.

Each glass diffuser houses a low-voltage xenon or LED lamp. A strong contrast occurs between the soft, organically distributed light passing through the white porcelain skin and the crisp light moving through the glass diffuser.

21s are designed to cluster in groups, with individual pieces touching each other to create a layered composition in three dimensions.

#### Materials

Raw porcelain glazed on one side, blown borosilicate glass, silicone gaskets, braided metal coaxial cable, electrical components and a brushed nickel or white powder coated canopy.



21.50 square  
PHOTO: Omer Arbel LEWIS



Approved to UL standards by CSA



21's work best when mounted in groups, such that the pieces touch each other to form clumps. The relatively simple shapes of the individual pendants, when placed in a group, make a complex sculptural form.







21.36 square  
Photo: Gwenaél Lewis



21.36 square at night  
Photo: Gwenaél Lewis

Designed by Omer Arbel, 2006

22 is a suite of electrical wall accessories designed as an alternative to the ubiquitous cover plate model. A spring-loaded barrel system allows an operative component of any sort – including a plug, switch, data outlet, cable, USB, or telephone jack – to pop into a receiving system mudded directly into drywall, or set into a sheet of finish material (marble, wood, stone, tile, etc.). The complete assembly results in operative components that sit flush with the surrounding wall surface, without visible cover plates.



22.5.2  
Photo: Cory Dawson

22 was born of a desire to eliminate the 'visual noise' of various uncoordinated electrical devices cluttering most wall surfaces.

Materials  
Polycarbonate casing, electrical components

Worldwide patents and registrations:  
US 7,956,295  
US 8,232,482  
US 8,912,439





# 22 Components

scale 1 : 1



22.3.8

outlet  
-tamper resistant  
-rating 20A, 120V



22.3.7

outlet  
- tamper resistant  
- rating 15A, 120V



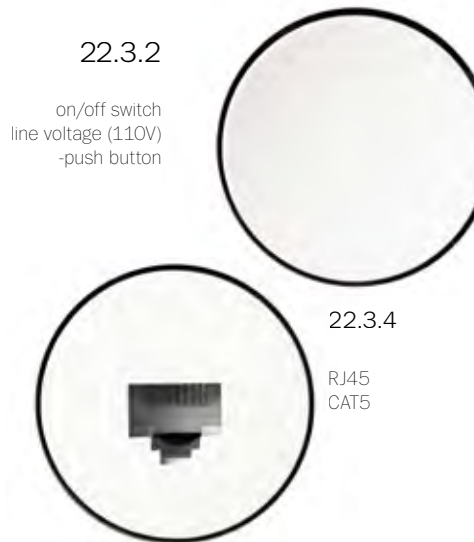
22.3.7L

outlet  
- extended barrel  
- tamper resistant  
- rating 15A, 120V



22.3.8L

outlet  
-extended barrel  
-tamper resistant  
-rating 20A, 120V



22.3.2

on/off switch  
line voltage (110V)  
-push button



22.3.4

RJ45  
CAT5



22.3.9

CAT6 (data)



22.3.3

RJ12 (telephone)



22.3.10

USB  
-powered usb for  
charging devices.



22.3.6

Intelligent control  
- interface for  
integrated control  
system: Crestron,  
AMX, Lutron, etc...



22.3.5

F connector (cable)

Mud-in  
Mounting Plates

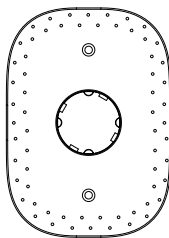


Designed for drywall applications where the intent is to achieve a seamless and flush outlet or electrical component. Mud-in mounting plates are available in three different configurations: typical double linear, double offset or single outlets, allowing for various programming scenarios and aesthetic compositions.

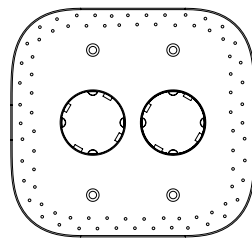
Alternate  
Mounting Plates



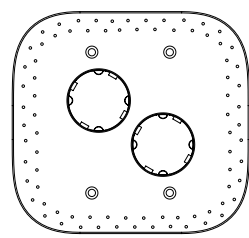
Designed for applications other than drywall to achieve a seamless and flush outlet or electrical component. Alternate mount backplates are available in a double linear, or single outlet configuration.



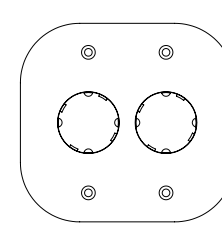
22.2.1  
single mud-in  
mounting plate



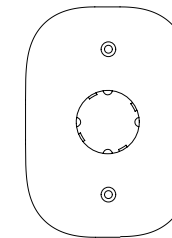
22.2.2  
double linear mud-in  
mounting plate



22.2.3  
double offset mud-in  
mounting plate



22.2.4  
double linear alternate  
mounting plate



22.2.5  
single alternate mounting  
plate





22.5.3  
Photo: Nikolas Koenig



22.5.3 detail  
Photo: Nikolas Koenig



22.5.5  
Photo: Gwenael Lewis

Designed by Omer Arbel, 2009.

28 results from an innovative fabrication process that manipulates both the temperature and the direction of air flow into blown glass. 28 is formed by creating a conventional glass-blown sphere and allowing it to cool, then using a blowtorch to create a hot patch on the circumference. A different colour of super-hot glass is dropped into the heated exterior patch and air is pulled out of the piece – creating a vacuum inside the original sphere, to which only the very hot, recently introduced glass can respond in a controlled implosion.

The result is a slightly distorted sphere with an interior landscape of satellite shapes, including an opaque milk glass diffuser that houses either a low-voltage xenon or LED lamp. 28's may be suspended using coaxial cable in hexagonal clusters, composed in ambient groupings, or mounted using a specialized copper tube suspension system.

Standard 28 pendants are made with clear glass exterior spheres and milk white diffusers. Custom 28's can be crafted in near-infinite colour variations. Due to the handcrafted nature of this piece, the size, colour depth, tonality, and both number and location of interior satellites will vary.

#### Materials

Blown glass, braided metal coaxial cable, electrical components and a white powder coated or brushed nickel canopy.

#### Worldwide patents and registrations:

US D628,740S  
 CAD 134238  
 EU 001695834-0001 to 0004  
 HK 1001198.1M001 - M004  
 CN 00048799



Approved to UL standards by CSA



28.37 cluster  
 Photo: Omer Arbel Lewis



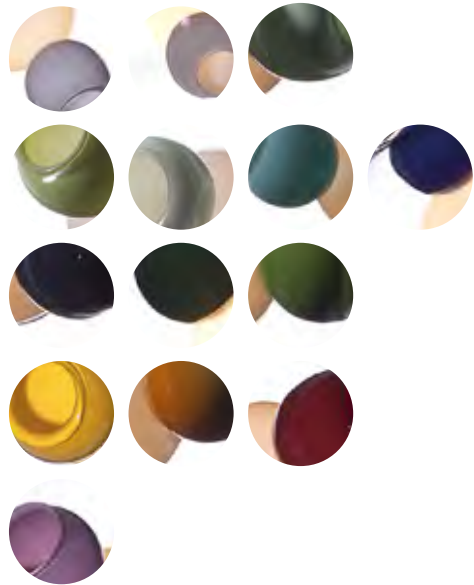


OPAQUE

- Linen
- Ivory
- Milk
- Lapis
- Robin's Egg
- Celadon
- Seaglass
- Grass
- Forest
- Mauve
- Ruby
- Apricot
- Buttercup
- Bubblegum

OPAQUE SATELLITE

- Milk
- Ivory
- Celadon
- Linen
- Seaglass
- Robin's Egg
- Lapis
- Mauve
- Forest
- Grass
- Buttercup
- Apricot
- Ruby
- Bubblegum



TRANSLUCENT

- Grey
- Purple
- Amethyst
- Cobalt
- Steel
- Copper
- Emerald
- Charcoal
- Nutmeg
- Oxblood
- Aubergine
- Pink
- Neon
- Lime
- Moss
- Orange
- Amber
- Yellow
- Cherry

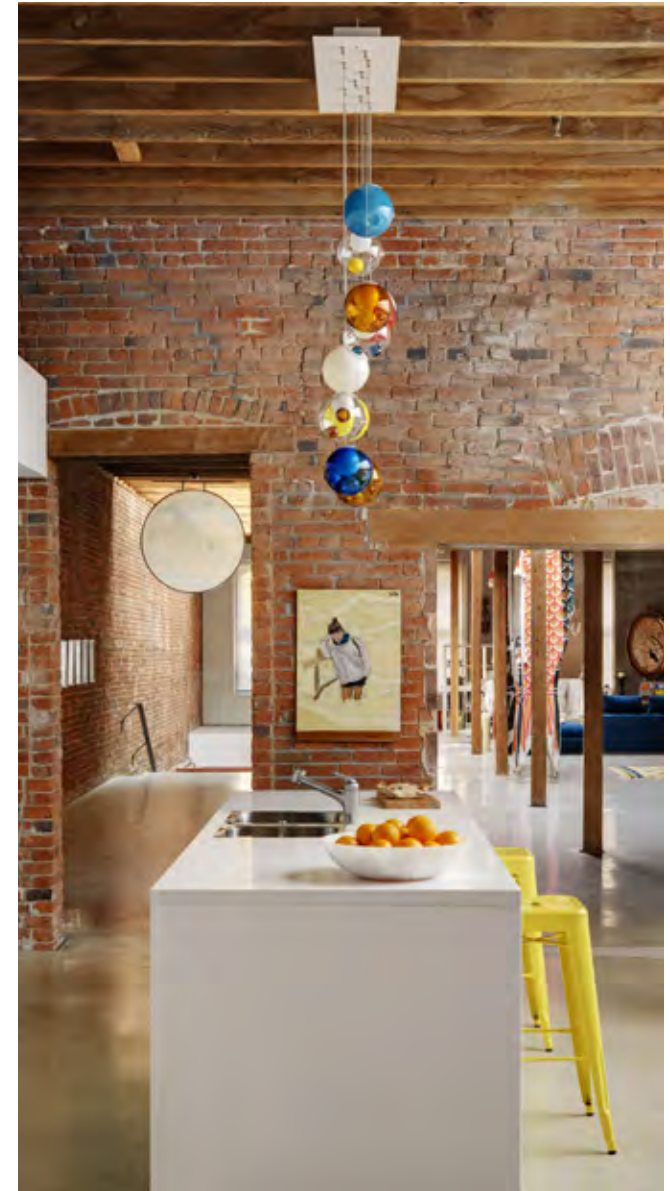
TRANSLUCENT SATELLITE

- Grey
- Emerald
- Copper
- Steel
- Cobalt
- Amethyst
- Purple
- Pink
- Aubergine
- Charcoal
- Moss
- Lime
- Neon
- Yellow
- Amber
- Orange
- Cherry





28.37 cluster  
Photo: Gwenael Lewis



28.11  
Photo: Martin Tessier





28d  
Photo: Gwenael Lewis

Bocci 28 is also available with a crocheted formable memory cord that plugs into a standard wall outlet as the 28d.



28.1m x 23  
Photo: Manolo Yellera





A flexible copper suspension option is available for all 28 pendants – providing a different compositional reading that results from shaping the copper tubing during installation. Pendants can be angled in any direction to provide a range of sculptural forms. The copper will weather and tarnish, registering the passage of time in its patina.

28 copper  
Photo: Gwenaél Lewis

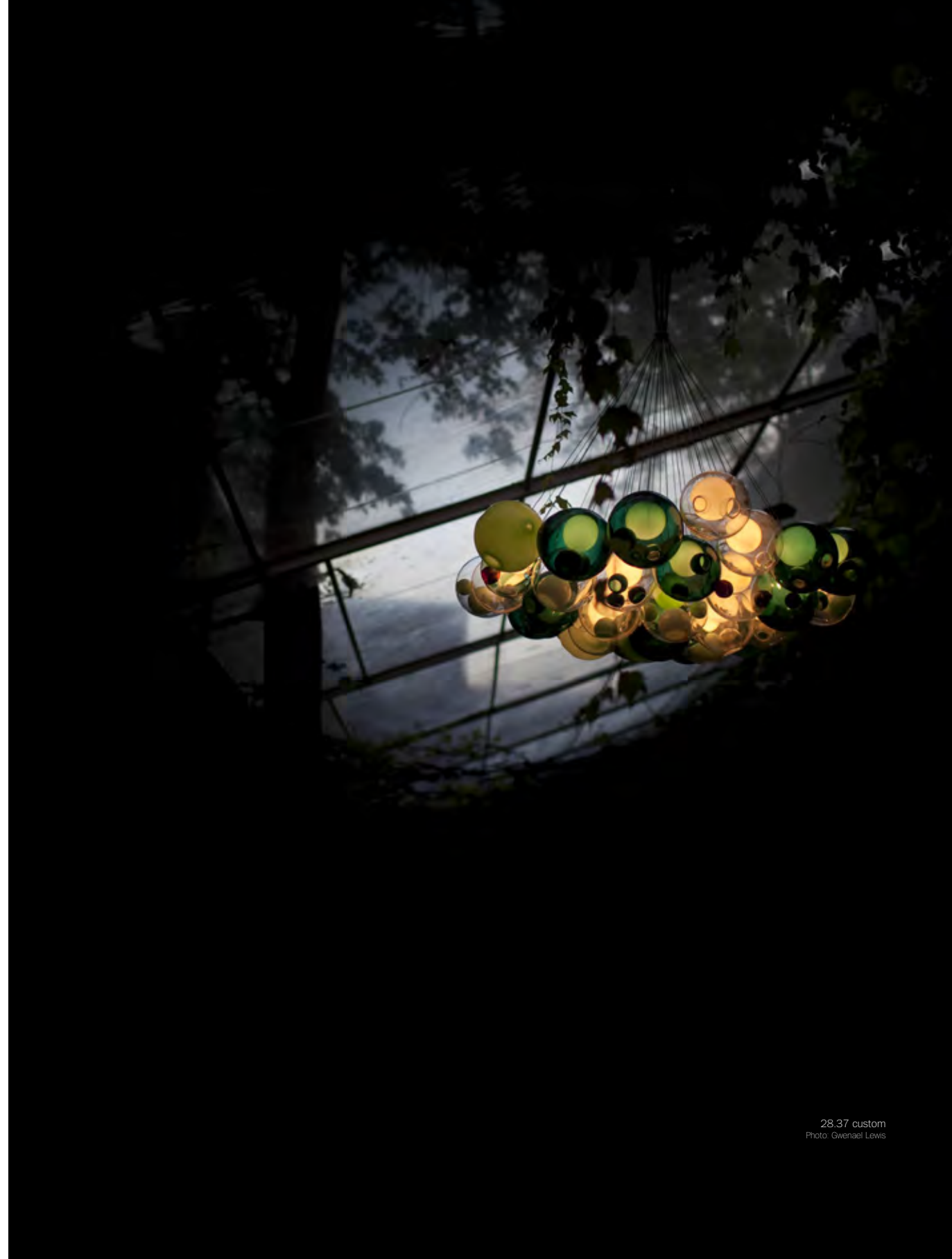


28.7c random  
Photo: Gwenaél Lewis





28.37 custom  
Photo: Gwenael Lewis



28.37 custom  
Photo: Gwenael Lewis

Designed by Omer Arbel, 2012.

38 pushes the fabrication technique originally developed for 28 to its technical and material limits. A large glass sphere is blown with a multitude of haphazard interior cavities, which intersect and collide with each other in unpredictable ways. Several of these satellite cavities are deep enough to hold earth and succulent or cacti plantings, while others house lighting elements. Each 38 contains two or three lighting elements per large sphere, and one or two planters.

A stiff copper tubing system provides electricity and suspension, enabling compositional freedom on either the horizontal or vertical plane. The copper tubing crinkles and bends during installation, occasionally supporting a small standalone planter (called a "moon"), which appears to have escaped the confines of the nearest 38 sphere.

Due to the handcrafted nature of 38, pendant size, diameter, shape, and the number and location of interior satellites will vary.

#### Materials

Blown glass, copper tubing, electrical components and a white powder coated or copper mini canopy.

Worldwide patents and registrations:  
EU 002071019-0001



Approved to UL standards by CSA



38.3  
Stylist: Masayo Motegi  
Photo: Goruta Yuuki





38.11 x 10  
photo: Gwenael Lewis

38 pendants are designed with either two or three copper connections, which allows for linking between single canopies to create larger ceiling scapes.



38.3m x 20  
Photo: Nick Barr



38 moon  
Photo: Gwenael Lewis





38.3  
photo: Gwenael Lewis



38.84  
photo: Gwenael Lewis



Designed by Omer Arbel, 2013.

57 results from a fabrication process whereby air voids of different sizes and configurations are composed within a larger mass of dark grey glass. These air pockets are invisible when the piece is unlit, and come alive to reveal an interior universe when 57 is illuminated. By virtue of the method of making, each 57 is completely unique.

A flexible suspension system enables pendants to be nestled in close-knit groups or loosely composed in a wider field, allowing each piece to be perceived individually.

Materials:

Blown glass, aircraft cable, semi-rigid coaxial cable, electrical components and a brass or white powder coated canopy.

Worldwide patents and registrations:  
EU 002268581



Approved to UL standards by CSA



57.150  
Photo: Gwenael Lewis



Most chandeliers are fundamentally vertical in composition, which is why they work best in rooms with high ceilings; in contrast, 57 is conceived as a layer or strata of light, or in other words: a horizontal chandelier.





57 with mirror finish  
Photo: Gwenael Lewis

57 is available in a mirrored finish that when off reflects the colour of the space that its in, but when on, reveals the complexity within the form.



57.150  
Photo: Gwenael Lewis

Designed by Omer Arbel, 2015.

73 results from blowing liquid glass into a folded and highly heat-resistant ceramic fabric vessel. The resulting shape has a formal and textural expression intuitively associated with fabric, which becomes permanent and rigid as it cools. A flat LED is positioned to fill the resulting volume with diffuse light, accentuating the volumetric perception of the piece.

By virtue of the loosely controlled manufacturing process, each 73 is completely unique in proportion, size, and shape. 73s are intended to nestle together in groups, creating complex compositions that resemble clouds.

Materials:

Blown glass, aircraft cable, coaxial cable, electrical components and a brushed nickel or white powder coated canopy.

Worldwide patents and registrations pending.



Recommended for indoor use only



73.3  
Photo: Gwenael Lewis





73.3  
Photo: Eleanore Smith



73  
Photo: Owenael Lewis





73.70  
Photo: Gwenael Lewis

73 is available in clear or grey pendants  
and three standard sizes.



73.70  
Photo: Gwenael Lewis





28.61c custom  
Photo: Gwenael Lewis



28.61c custom detail  
Photo: Gwenael Lewis

This custom 28.61c has optional white powder coated copper, spreader bars, and custom pendants with glass fading from milk white to clear

Bocci offers consulting, design, and fabrication services for custom lighting in unlimited configurations – from modest to monumental. We can create ceiling canopies according to your specifications, in any material or finish. For clients who want to explore their own paint finishes, we offer a primed mild steel canopy.

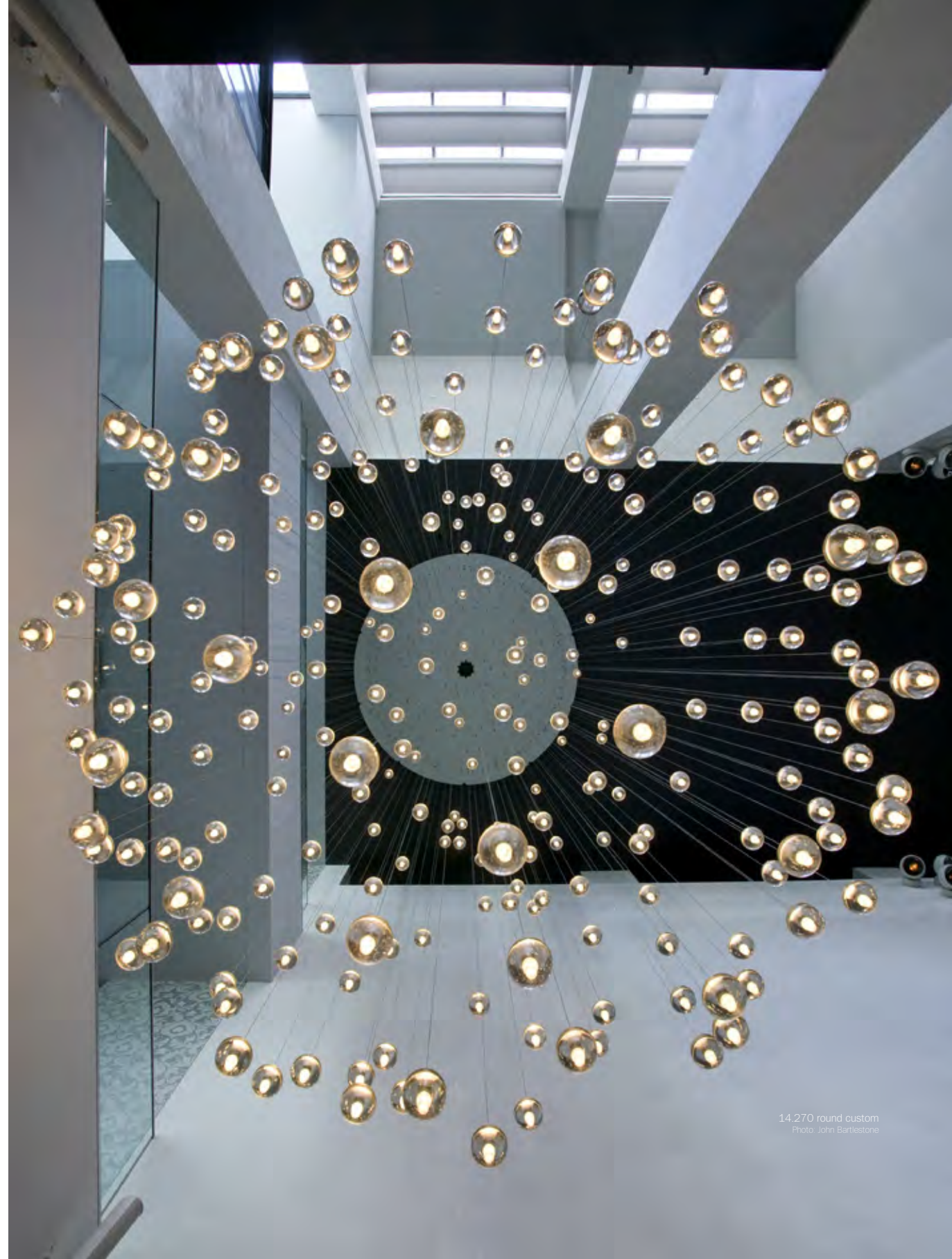
In addition to our standard pendant offerings, we produce several variations, which are available for both standard lighting and custom installations. Blown glass 28 pendants can range from 5-11" / 130-280 mm in diameter, in a variety of colours. See our custom colour catalogue for a complete list of options. In addition to the classic 14 clear glass pendants, we offer grey and amber. We also offer a 21 pendant in intrinsically dyed, charcoal grey raw porcelain.

Bocci's in-house design team will work collaboratively with you to develop each custom piece – from concept to design drawings, through to production. We use your CAD files and parameters as a departure point to create detailed 3D renderings, shop drawings, and installation instructions for your piece.





14.26 round custom  
Photo: Matthew Millman



14.270 round custom  
Photo: John Bartlesone





14.1m wet location  
Photo: Gwenael Lewis

## Wet Location

Several of our pendants are available in a wet location configuration, which allow for outdoor installations. This option is also suitable for use in showers, saunas, gardens and any other damp or exposed locations.

Wet location compliant fixtures are denoted with the symbol below.



The 14 and 16 pendants have been tested for suitability in wet locations in compliance with:

UL Standard 1598 for luminaires

ANSI/UL Standard 2108 for low voltage lighting

CSA Standard C22.2 NO.250.0 for luminaires

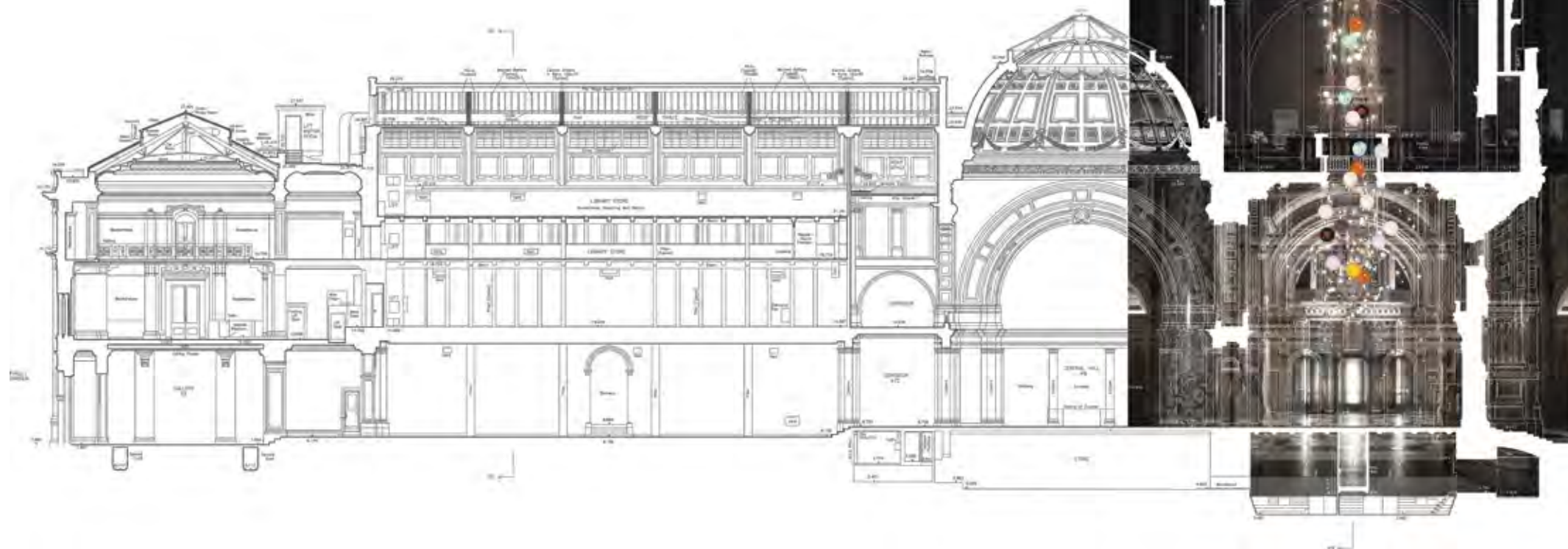


16.8 wet location  
Photo: Gwenael Lewis

Since its inception 10 years ago, our studio has been fascinated with large, bespoke, site-specific light installations. At the beginning, these were primarily theoretical exercises intended to explore new ideas. Over time, and with increased opportunity, some of our most ambitious concepts have come to fruition – creating a culture and a team that thrives on custom work.

Highlights of Bocci's bespoke installation program include 28.280c, a monumental installation in the grand atrium of the Victoria & Albert Museum (London, 2013); 28.450, a major installation at the offices of Deutsche Gesetzliche Unfallversicherung (Berlin, 2014); 16.480, an outdoor public installation in Vancouver's downtown core (Vancouver, 2015), and 57.157, a sprawling piece at the Canadian High Commission (London, 2015).

Bocci's in-house design team works closely with organizations, institutions and individuals to create unique, bespoke installations – from concept through to engineering, fabrication, and on-site installation support. The process is collaborative, dynamic and location-specific. Our team takes great pride in these commissions, which allow us to explore new fabrication methods and spatial opportunities.



V&A Museum  
Drawing: Mike Seymour  
Photo: Nick Barr





28.280c  
Photo: Nick Barr



## 28.280c

VICTORIA & ALBERT MUSEUM  
September 2013 - April 2014

The 28.280c descended through the 30-metre tall, central void of the grand atrium in London's Victoria and Albert museum. The intent of the installation was twofold: it offered a pure celebration of the building's monumental height – using light to crystallize a powerful, immersive experience – while presenting the most ambitious exploration to date of the novel glass-blowing technique used to fabricate the 28.

280 discrete 28s were suspended by an intentionally heavy, expressive copper system, which had a strong visual presence entering into dialogue with the coloured glass it supported.

28.280c  
Photo: Nick Barr





28.280c  
Photo: Nick Barr



28.280c  
Photo: Nick Barr





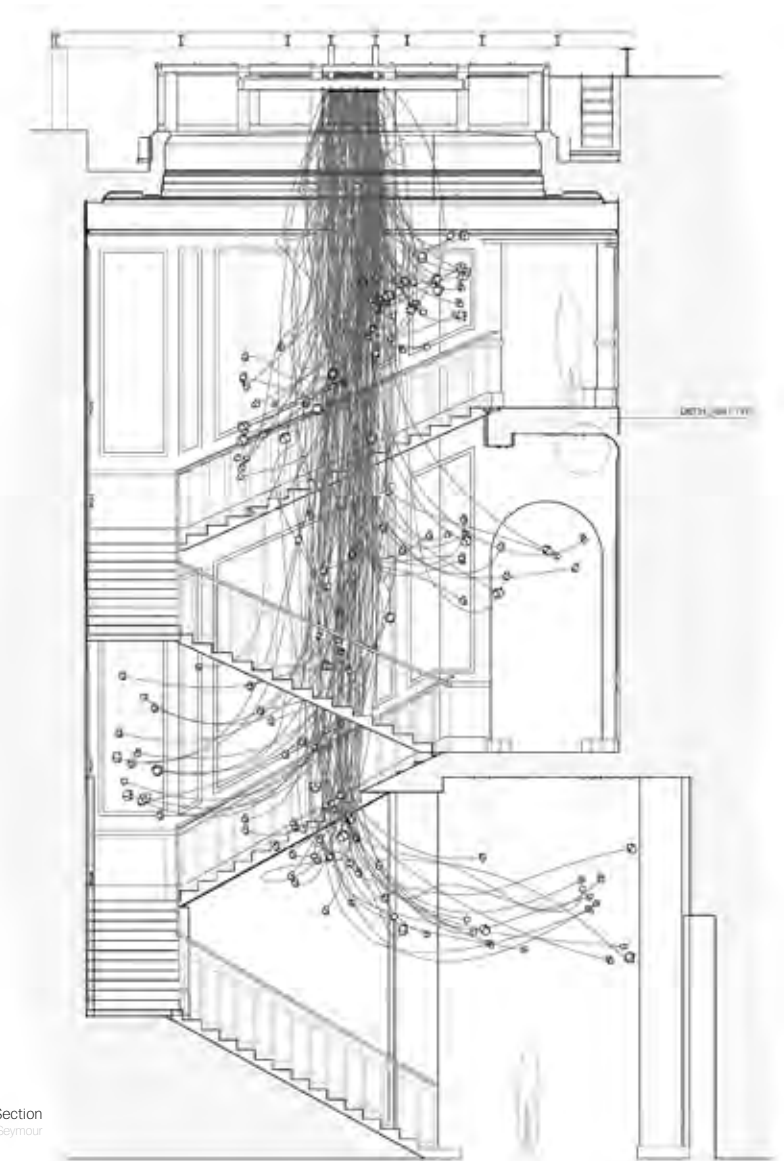
57.157  
photo: Gwenael Lewis

## 57.157

CANADA HOUSE  
February 2015

57.157 is a large-scale light installation comprised of 157 individual 57 glass pieces. This bespoke installation responds to the abundant natural light in the Canada House stairway – giving visitors a poignant way to perceive and inhabit the room.

57.157 introduces stratified layers of reflective, one-way mirrored glass that respond both to each other, and to the ambient light that floods the stairwell. The tension between eye-level pieces and a high tangle of glass and wire produces areas of intensity and relative calm, creating a haphazard composition that spills from the atrium into the surrounding spaces.



57.157 Section  
Drawing: Mike Seymour





57.157  
Photo: Gwenaél Lewis





57.157  
photo: Gwenael Lewis



57.157 detail  
photo: Gwenael Lewis



16.480  
photo: Gwenael Lewis



16.480  
drawing: Mike Seymour

## 16.480

FAIRMONT PACIFIC RIM  
March 2015

16.480 is a dramatic installation of 480 glass 16s supported by a set of site-specific, tree-like minarets. These "trees" rise out of a landscape constructed of burnt wood planks and form an immersive canopy of light that reaches up to 6 m in height. Bench platforms and higher mounds in the landscape serve the combined purpose of protecting the trees from vehicles, providing refuge to visitors, and creating informal meeting places.





16.480  
photo: Gwernael Lewis





16.480  
photo: Gwenael Lewis



16.480  
photo: Gwenael Lewis



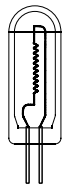
# Technical Specifications

- canopy
- headphone jack connector / mini / strain relief
- 3mm set screw / drywall screws / 2.5mm set screw
- jack barrel / brushed nickel cover / plastic clamp
- coaxial cable
- 14
- borosilicate tube
- silicon gasket
- lampholder
- 2mm set screw
- 2mm set screw
- pin connector
- xenon / LED

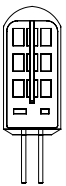


# 14 Technical Specifications

LAMPING:



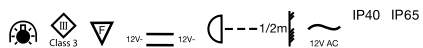
**XENON**  
 Correlated Colour Temperature: 2537  
 Colour Rendering Index: 100  
 Luminous Flux: 81  
 Lumens/Watt: 8.3



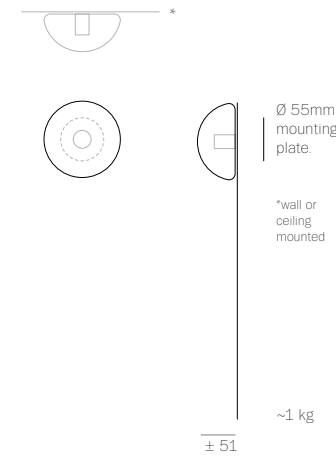
**LED**  
 Correlated Colour Temperature: 2400  
 Colour Rendering Index: 75  
 Luminous Flux: 142  
 Lumens/Watt: 60

10W or 1.8W LED type G4 bi-pin lamp  
 (Bocci 24.1.1 or 24.2 LED)  
 Ta = 25C

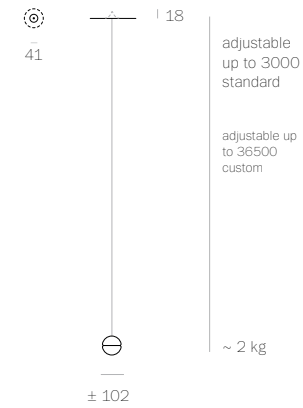
DESIGNATIONS:



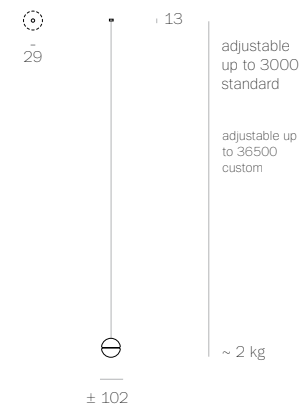
suitable for indoor or outdoor use



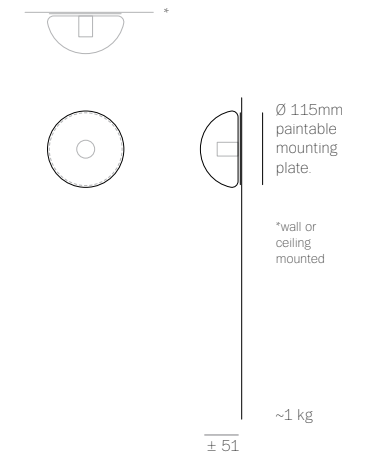
14s surface light (mini plate - remote transformer)



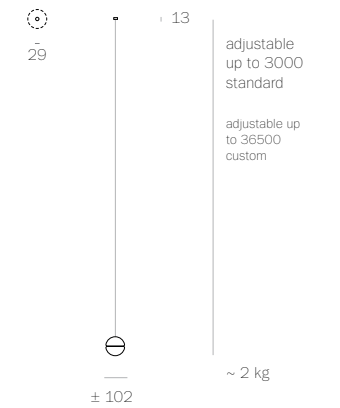
14.1mi mini innie canopy



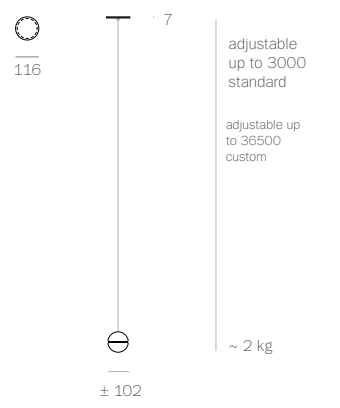
14.1m mini canopy



14sp surface light

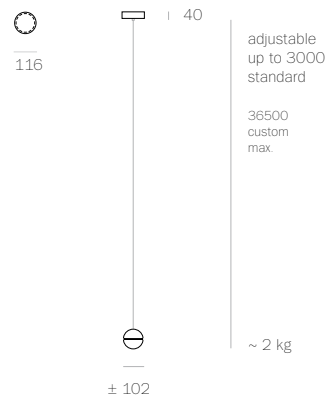


14.1mo mini outtie canopy

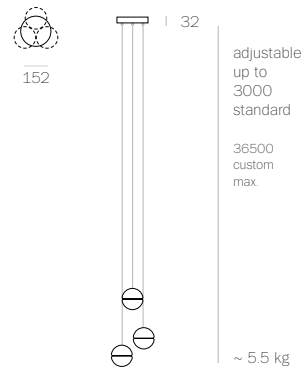


14.1

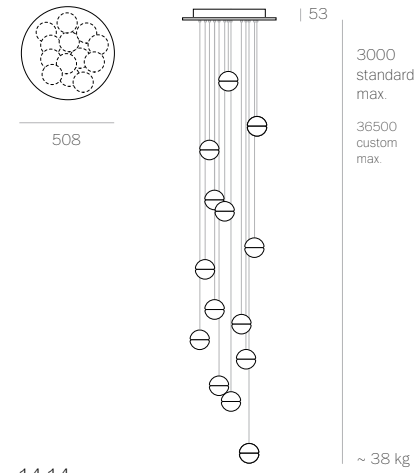




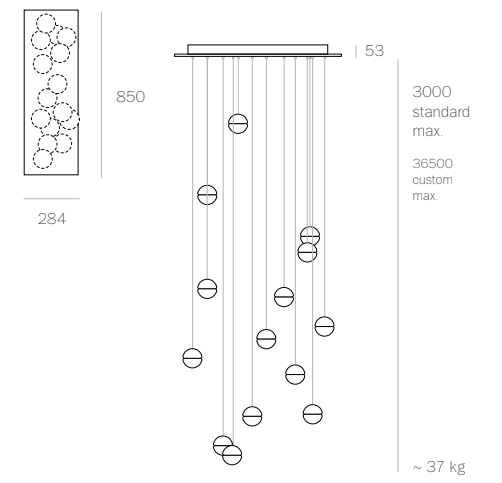
14.1  
Deep canopy



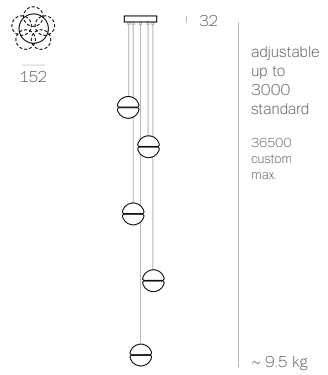
14.3



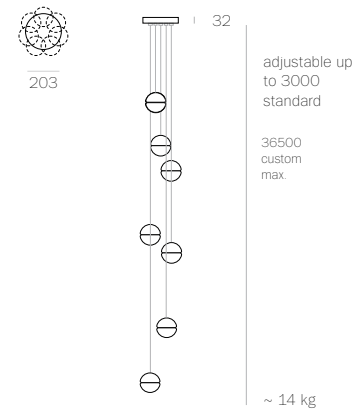
14.14  
round canopy



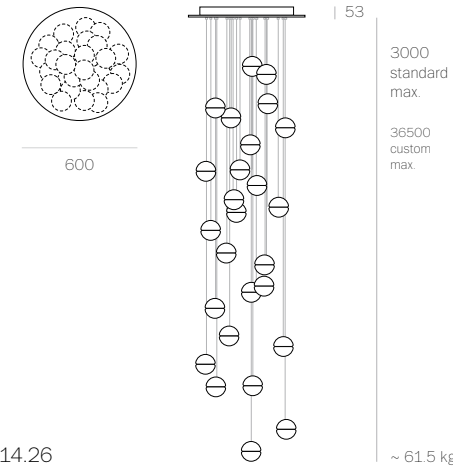
14.14  
rectangle canopy



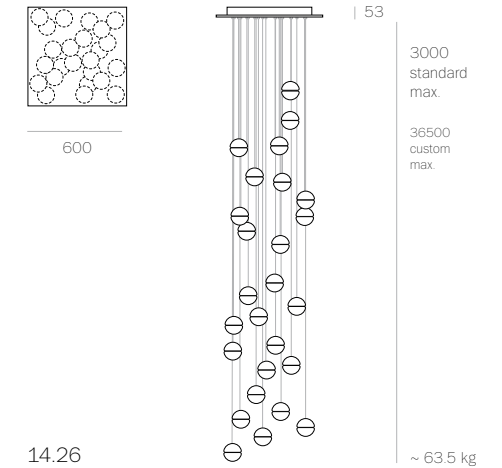
14.5



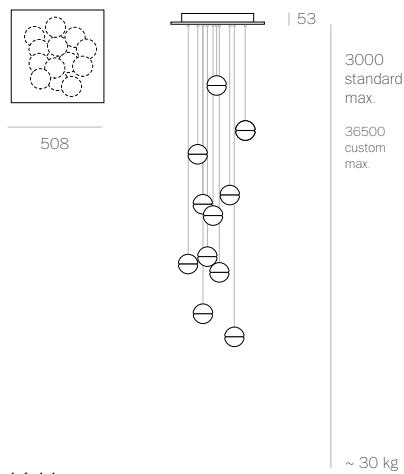
14.7



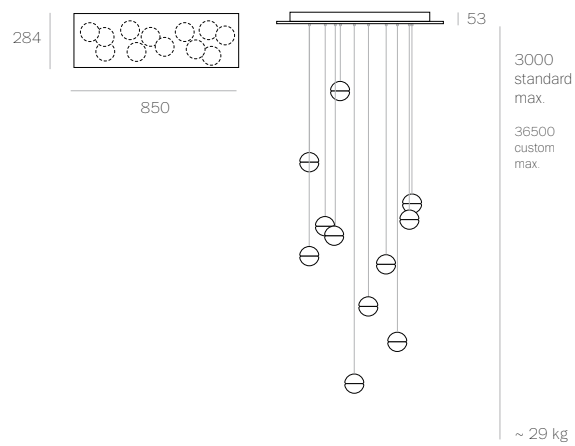
14.26  
round canopy



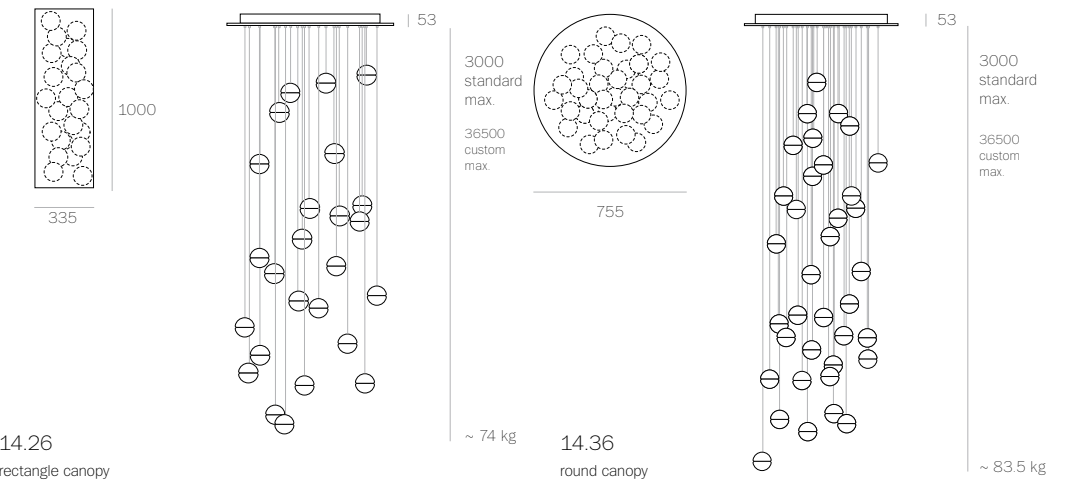
14.26  
square canopy



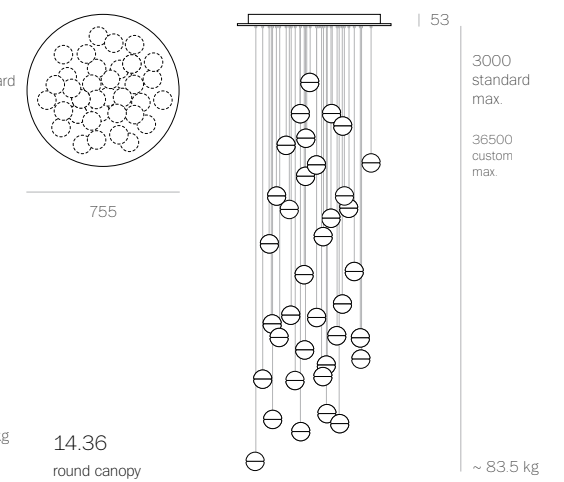
14.11  
square canopy



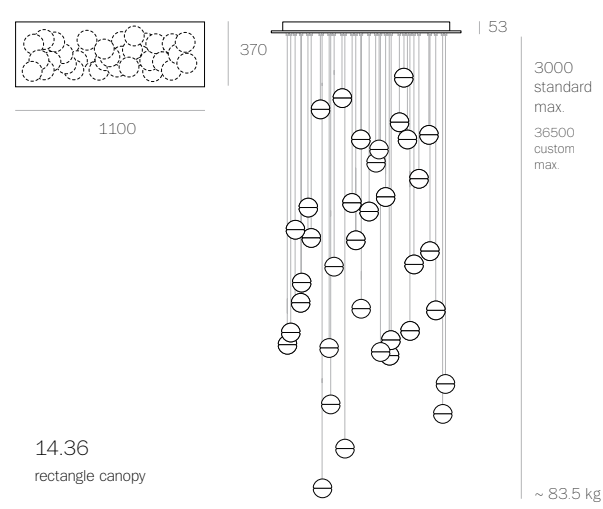
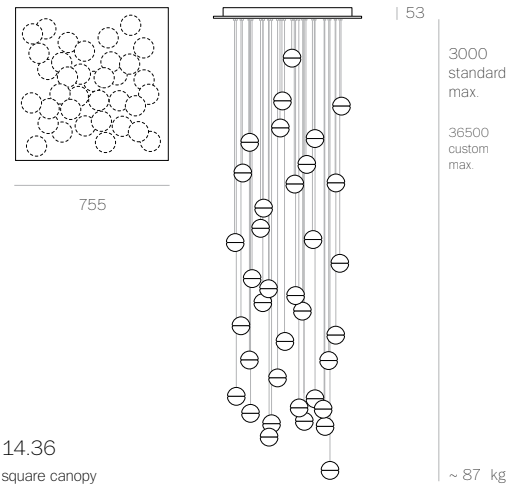
14.11  
rectangle canopy



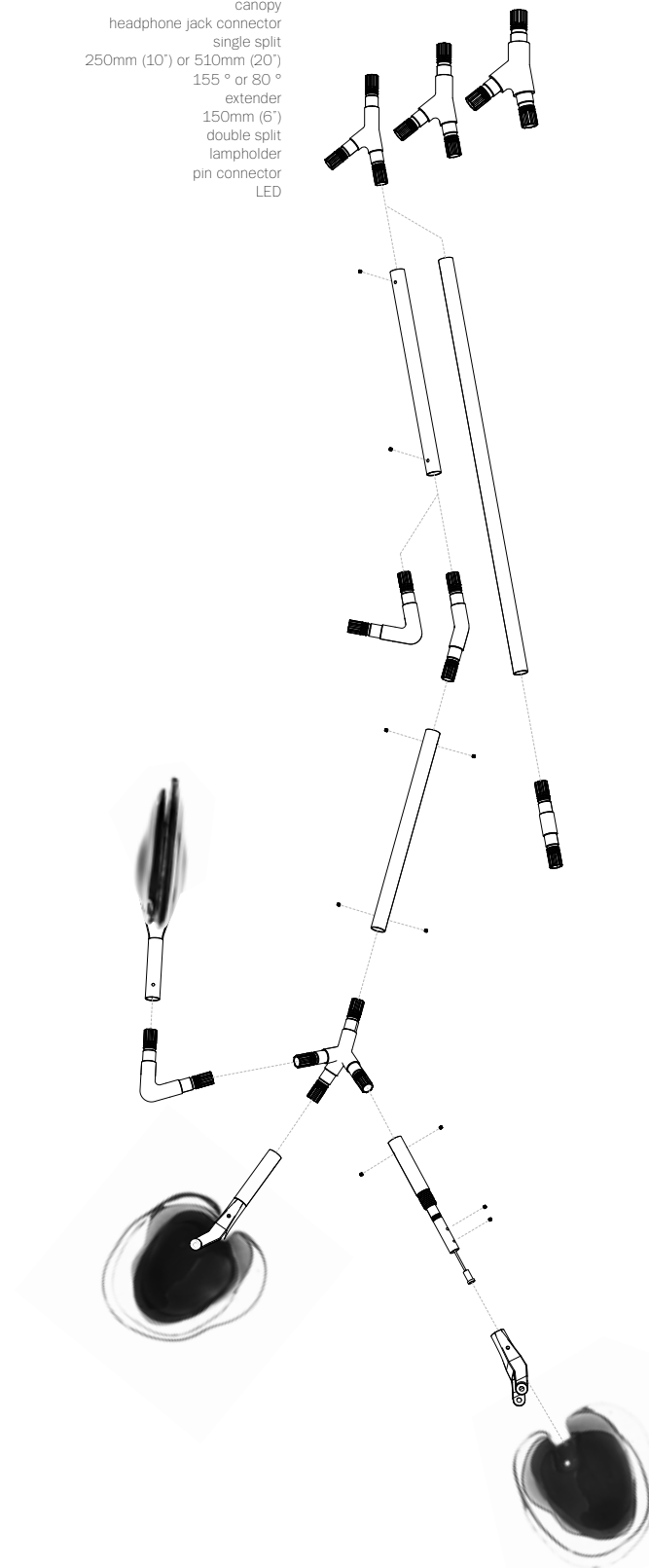
14.26  
rectangle canopy



14.36  
round canopy



- canopy
- headphone jack connector
- single split
- 250mm (10") or 510mm (20")
- 155 ° or 80 °
- extender
- 150mm (6")
- double split
- lampholder
- pin connector
- LED



# 16 Technical Specifications

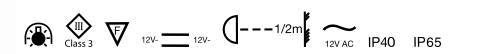
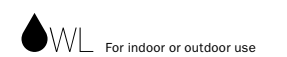
LAMPING:



LED  
Correlated Colour Temperature: 2400  
Colour Rendering Index: 75  
Luminous Flux: 142  
Lumens/Watt: 60

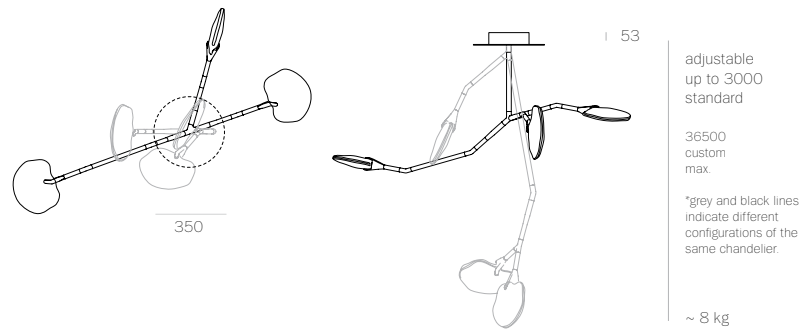
1.8W LED type G4 bi-pin lamp  
(Bocci 24.2 LED)  
Ta = 25C

DESIGNATIONS:



suitable for indoor or outdoor use





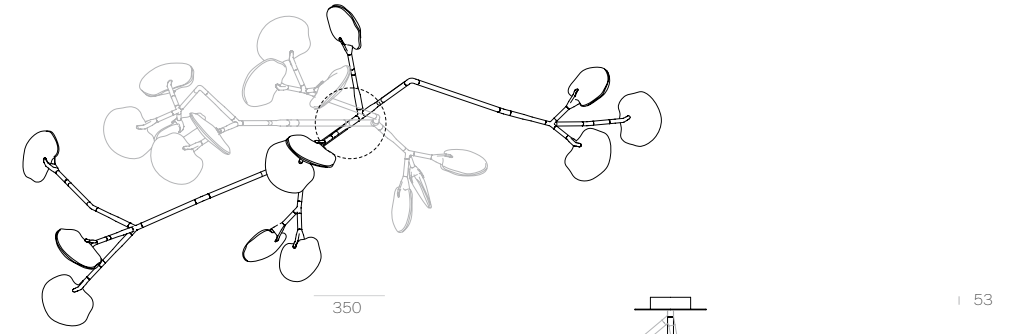
16.3

adjustable  
up to 3000  
standard

36500  
custom  
max.

\*grey and black lines  
indicate different  
configurations of the  
same chandelier.

~ 8 kg



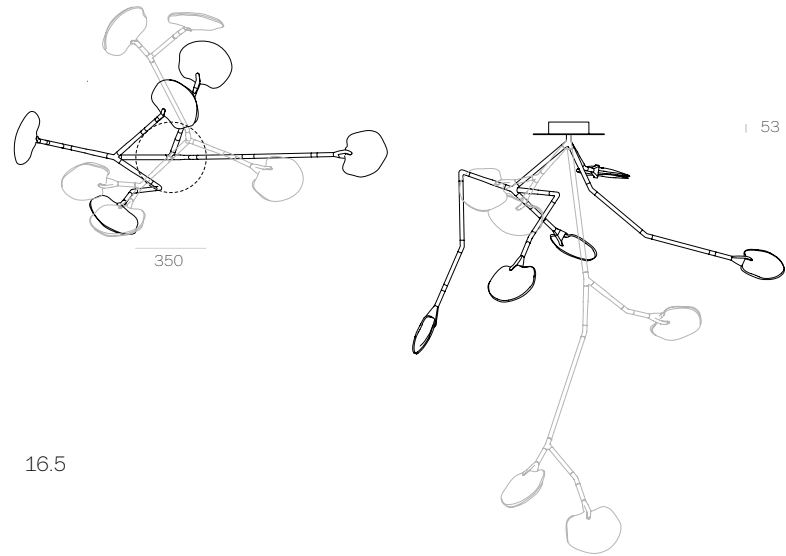
16.11

adjustable  
up to 3000  
standard

36500  
custom  
max.

\*grey and black lines  
indicate different  
configurations of the  
same chandelier.

~ 41 kg



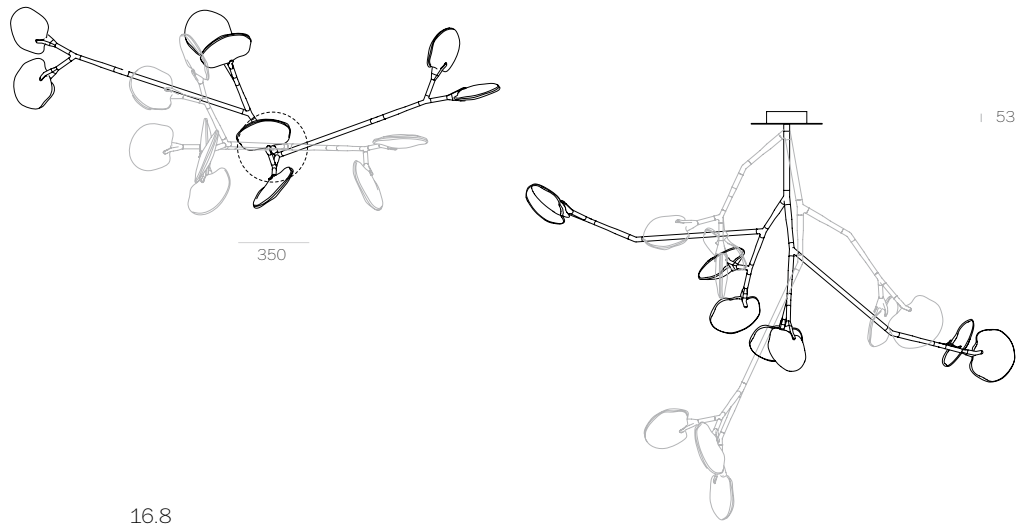
16.5

adjustable  
up to 3000  
standard

36500  
custom  
max.

\*grey and black lines  
indicate different  
configurations of the  
same chandelier.

~ 15 kg



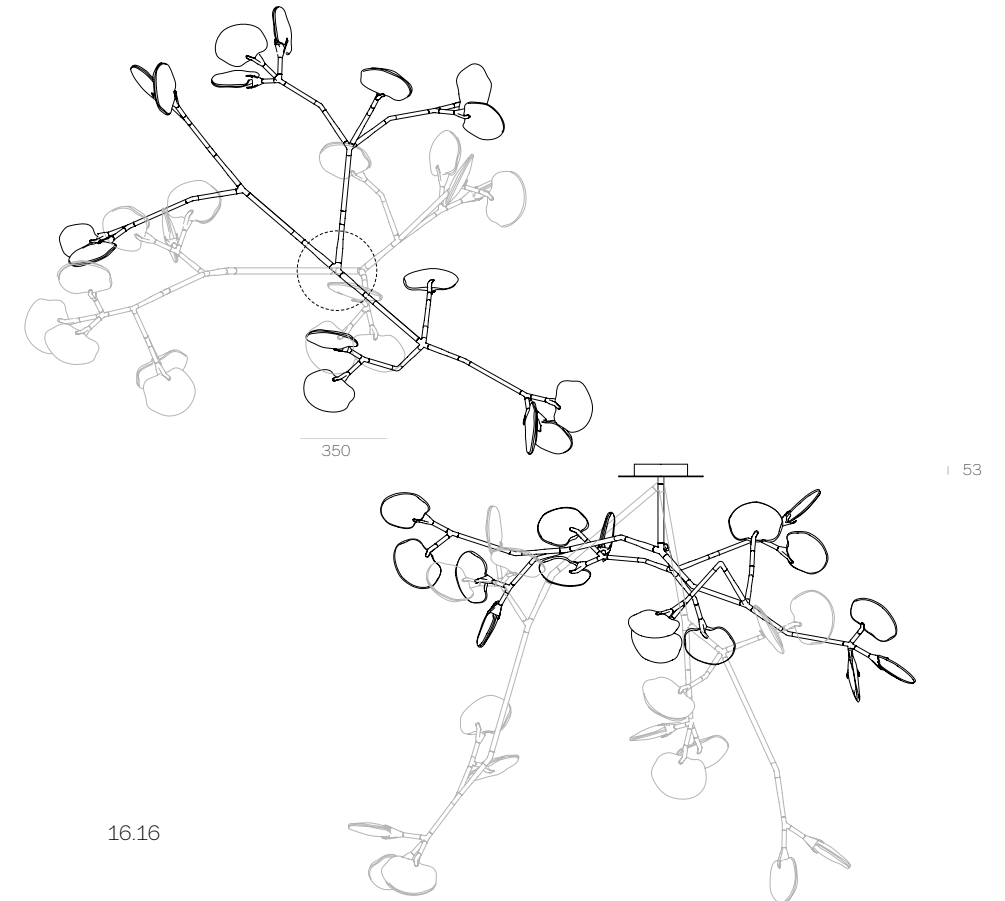
16.8

adjustable  
up to 3000  
standard

36500  
custom  
max.

\*grey and black lines  
indicate different  
configurations of the  
same chandelier.

~ 28 kg



16.16

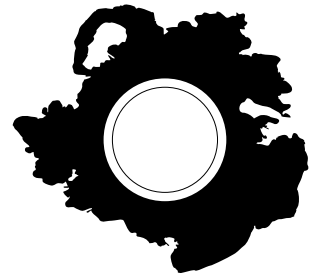
adjustable  
up to 3000  
standard

36500  
custom  
max.

\*grey and black lines  
indicate different  
configurations of the  
same chandelier.

~ 56 kg

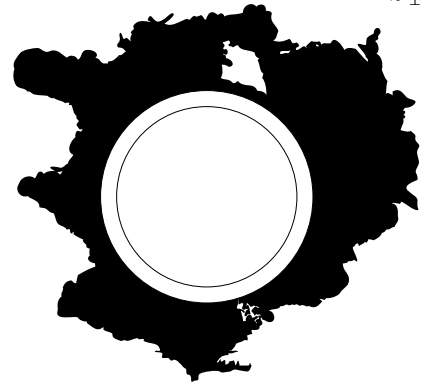
# 19 Technical Specifications



< 780

280

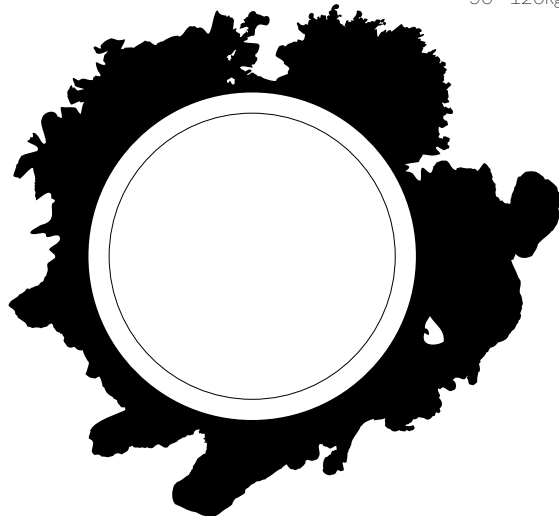
~ 16 - 18kg



< 1140

540

~ 90 - 120kg



< 1400

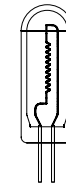
800

~ 86 - 150kg

# 21 Technical Specifications



LAMPING:



XENON  
Correlated Colour Temperature: 2628  
Colour Rendering Index: 100  
Luminous Flux: 196  
Lumens/Watt: 10.3



LED  
Correlated Colour Temperature: 2400  
Colour Rendering Index: 75  
Luminous Flux: 142  
Lumens/Watt: 60

20W or 1.8W LED type G4 bi-pin lamp  
(Bocci 24.1 or 24.2 LED)

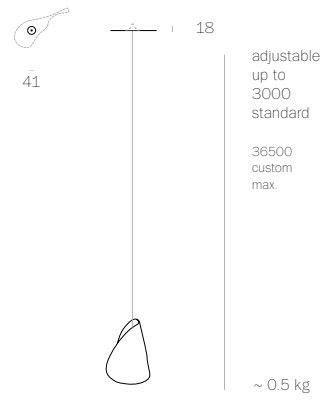
Ta = 25C

DESIGNATIONS:

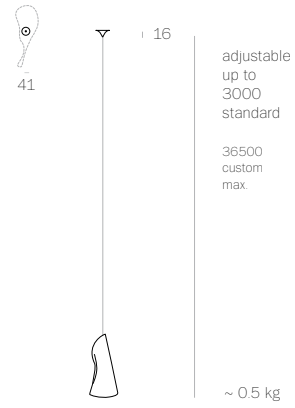


recommended for indoor use only

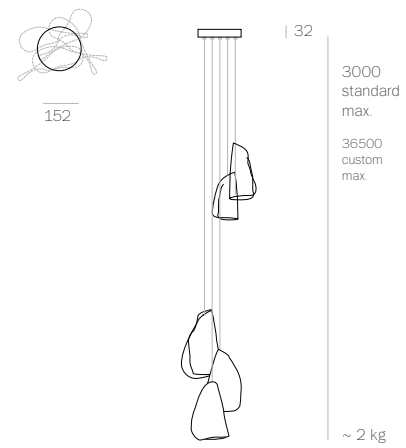




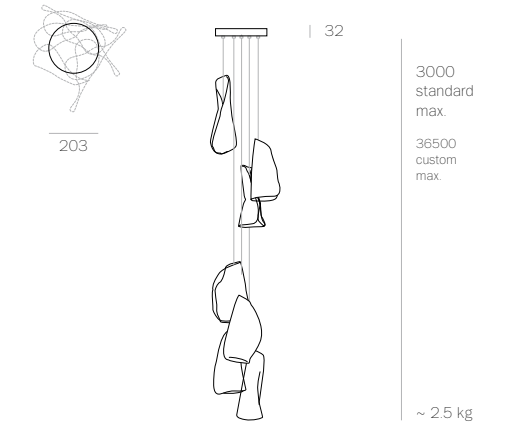
21.1mi  
mini innie canopy



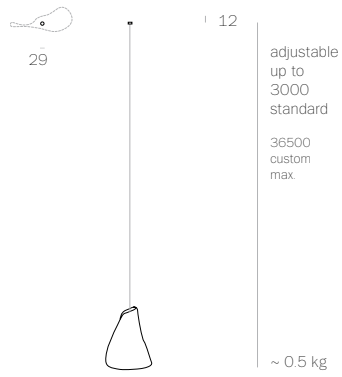
21.1mo  
mini outtie canopy



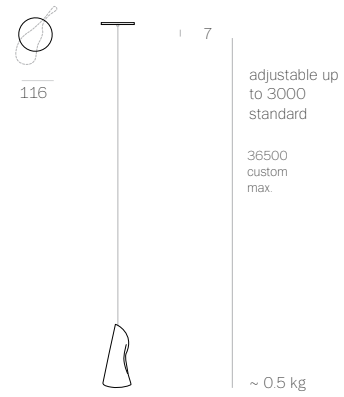
21.5



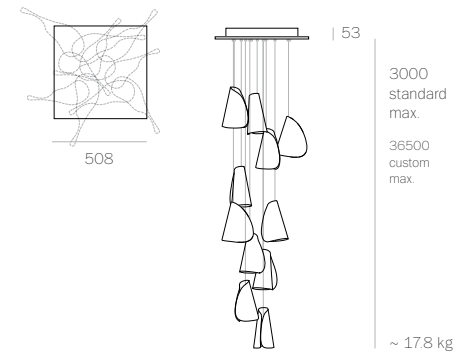
21.7



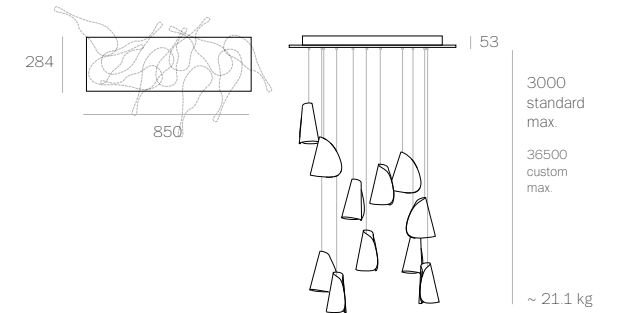
21.1m  
mini canopy



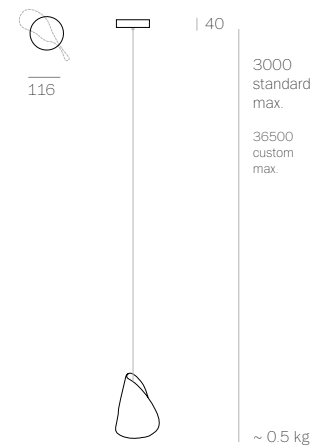
21.1



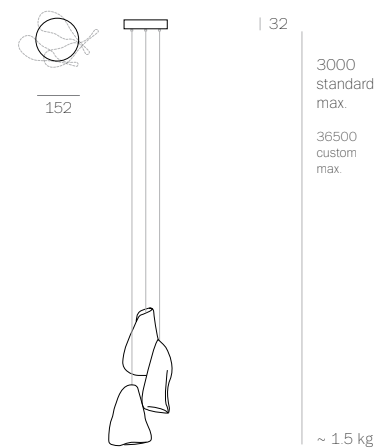
21.11  
square canopy



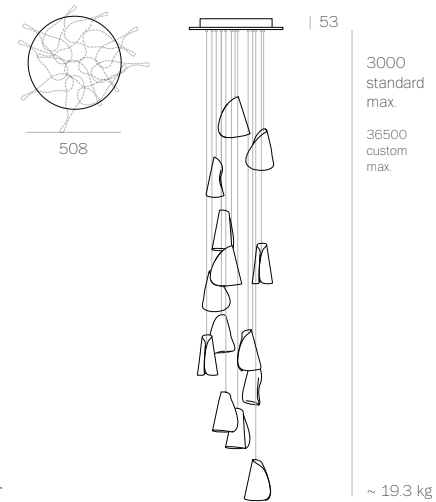
21.11  
rectangular canopy



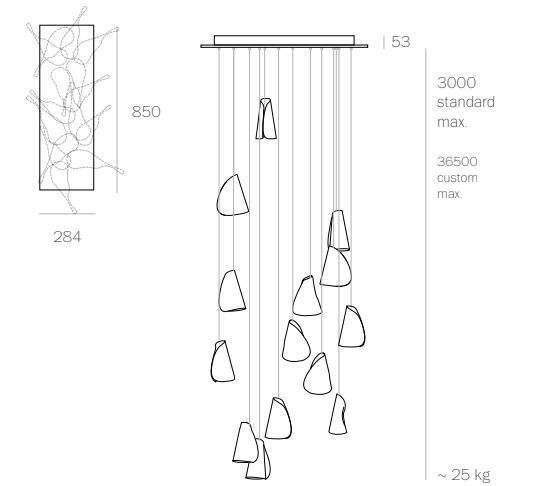
21.1  
deep canopy



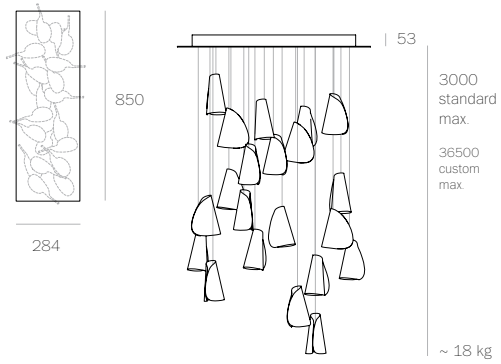
21.3



21.14  
round canopy

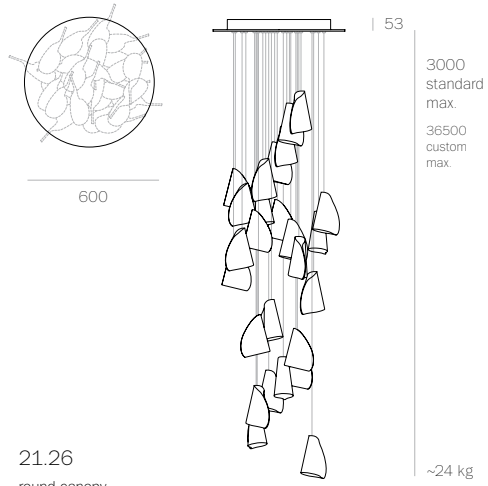


21.14  
rectangle canopy



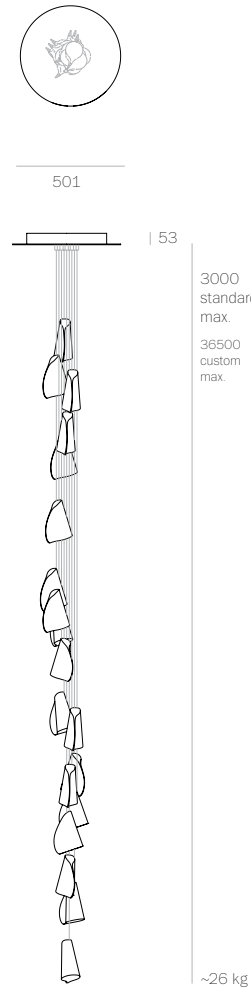
21.21  
rectangle canopy

3000  
standard  
max.  
36500  
custom  
max.  
~ 18 kg



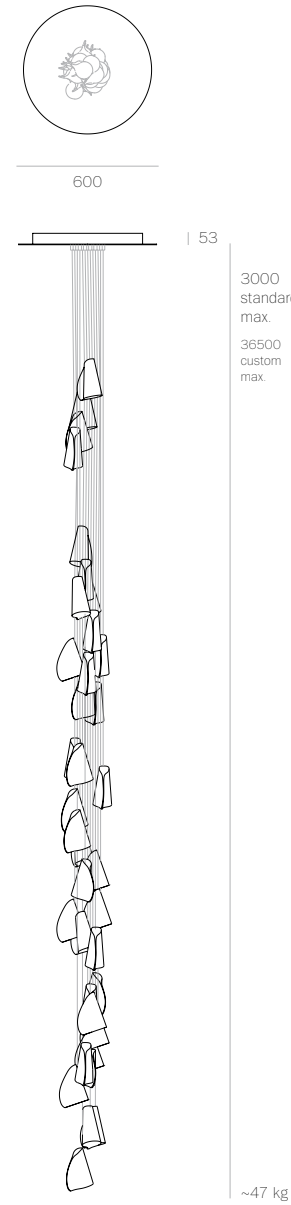
21.26  
round canopy

3000  
standard  
max.  
36500  
custom  
max.  
~24 kg



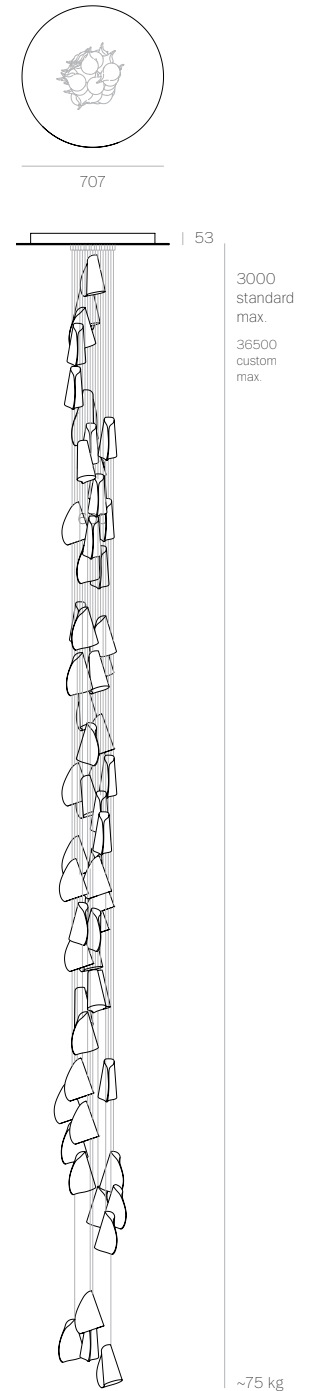
21.19  
cluster canopy

3000  
standard  
max.  
36500  
custom  
max.  
~26 kg



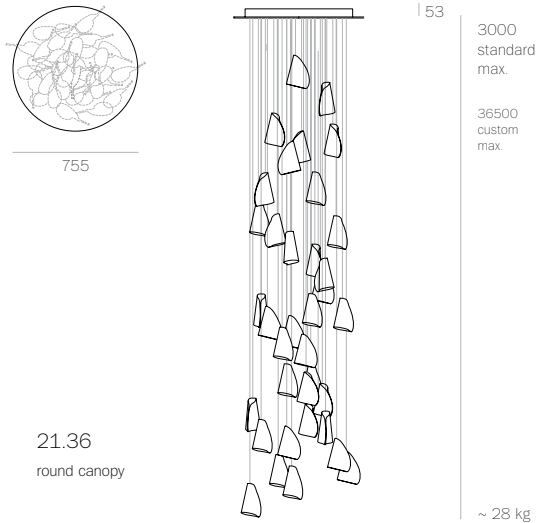
21.37  
cluster canopy

3000  
standard  
max.  
36500  
custom  
max.  
~47 kg



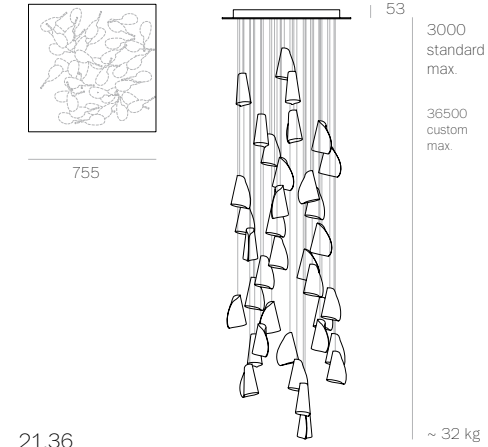
21.61  
cluster canopy

3000  
standard  
max.  
36500  
custom  
max.  
~75 kg



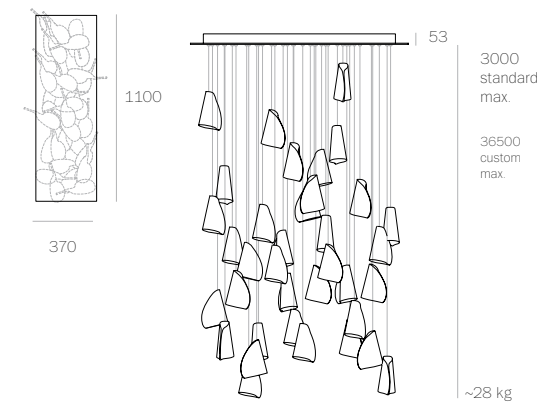
21.36  
round canopy

3000  
standard  
max.  
36500  
custom  
max.  
~ 28 kg



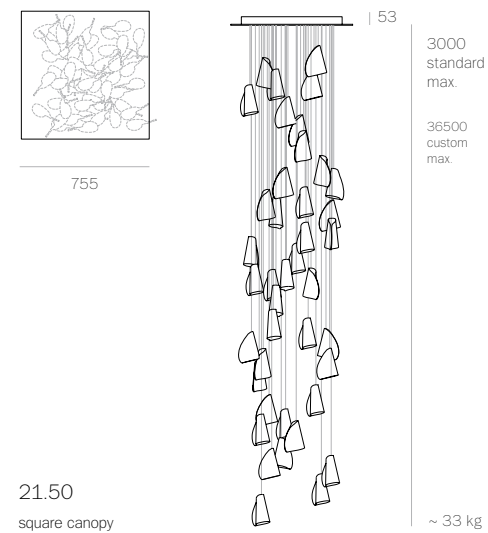
21.36  
square canopy

3000  
standard  
max.  
36500  
custom  
max.  
~ 32 kg



21.36  
rectangle canopy

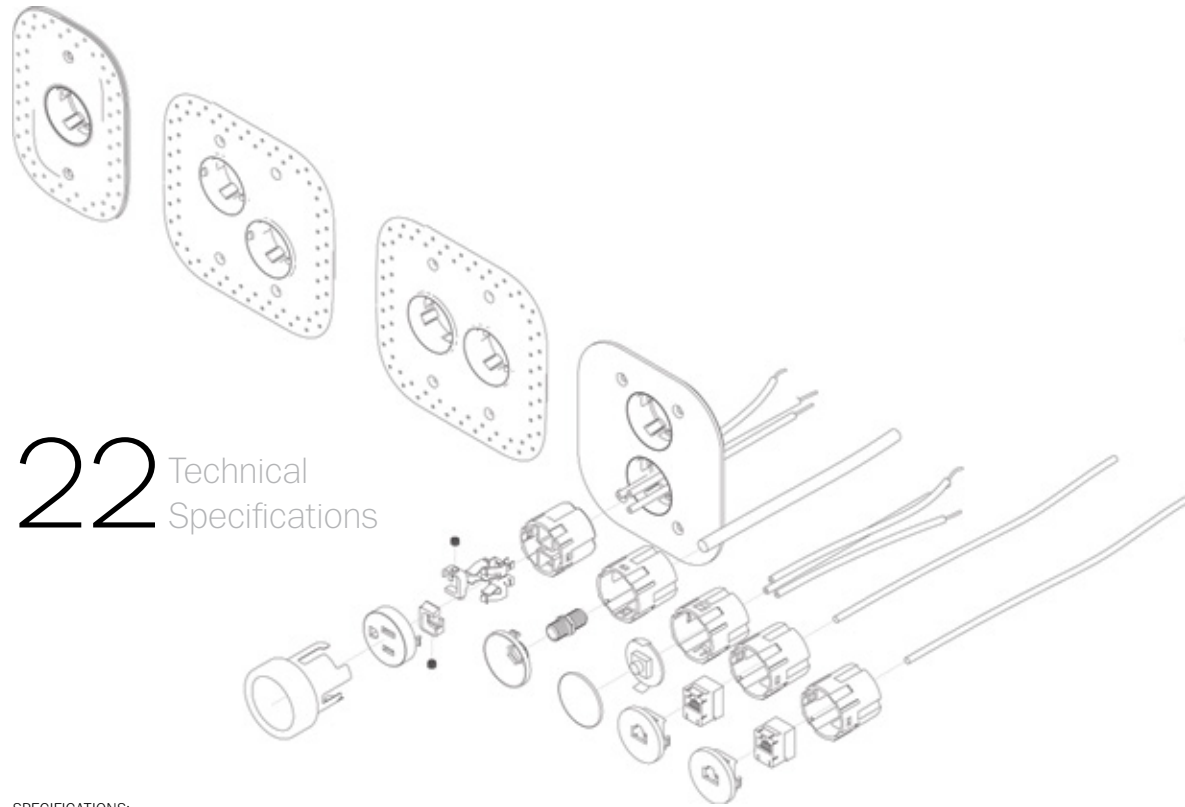
3000  
standard  
max.  
36500  
custom  
max.  
~28 kg



21.50  
square canopy

3000  
standard  
max.  
36500  
custom  
max.  
~ 33 kg





# 22 Technical Specifications

**SPECIFICATIONS:**

22.1 removal tool is required to remove receptacles from mounting plates for access after installation.

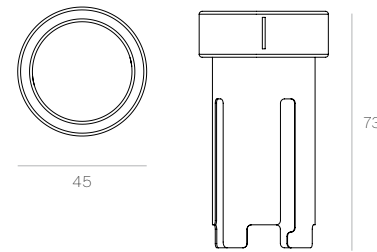
The 22.2 system is a departure from conventional cover plate systems and requires precise and skilled craftsmanship during installation.

All plates are designed to receive all 22.3 receptacles in different configurations.

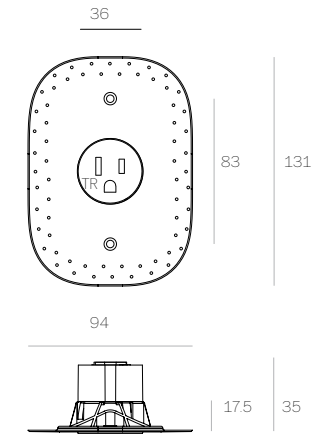
22.5 and 22.6 (15A and 20A) series tamper resistant outlets are only sold as assemblies.

INPUT POWER RATING: 110 - 120V

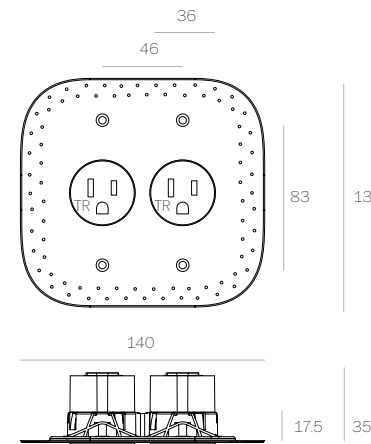
**DESIGNATIONS:**



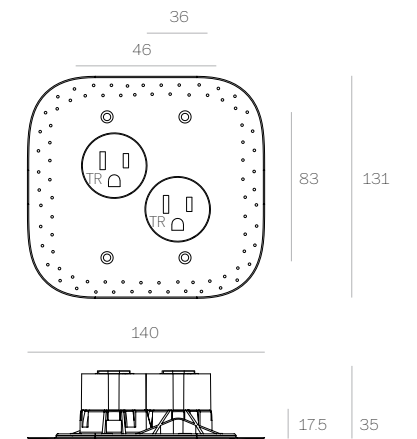
22.1  
component removal tool



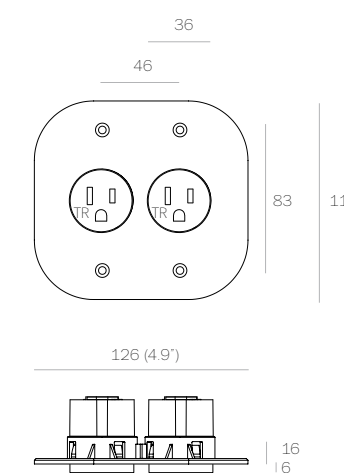
22.5.1  
single 15A tamper resistant outlet  
mud-in mounting plate assembly



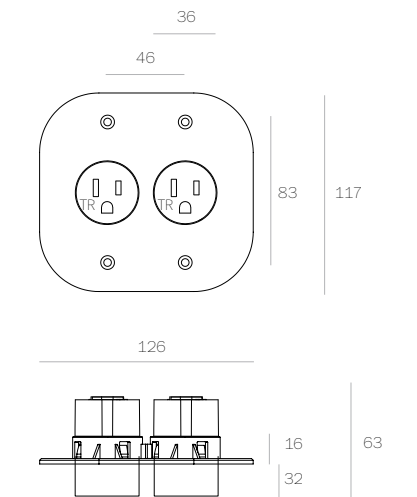
22.5.2  
double linear 15A tamper resistant outlet  
mud-in mounting plate assembly



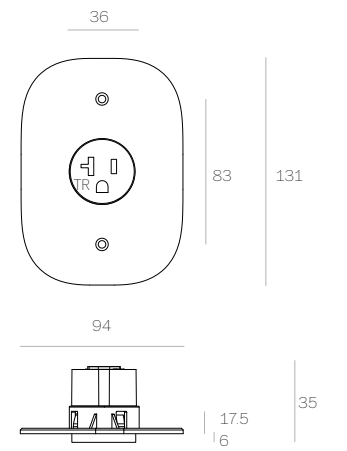
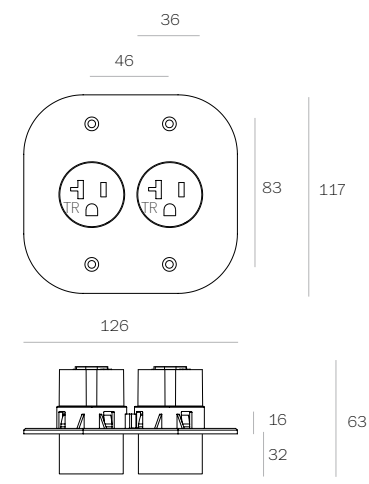
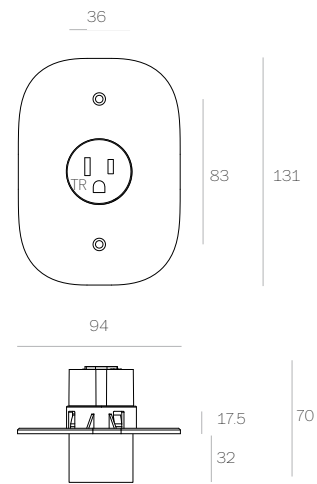
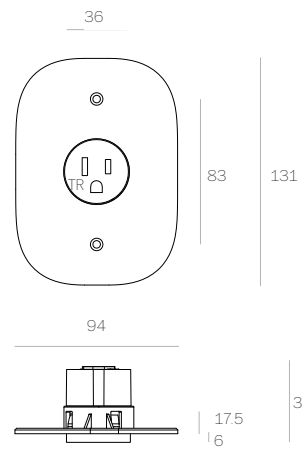
22.5.3  
double offset 15A tamper resistant outlet  
mud-in mounting plate assembly



22.5.4  
double linear 15A tamper resistant outlet  
alternate material mounting plate assembly



22.5.4L  
long barrel double linear 15A tamper resistant outlet  
alternate material mounting plate assembly

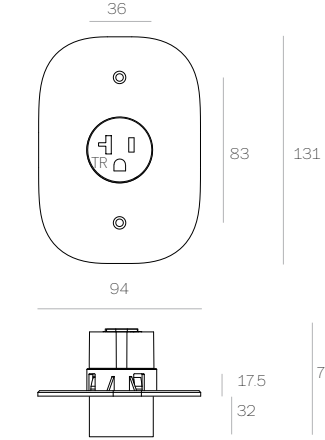
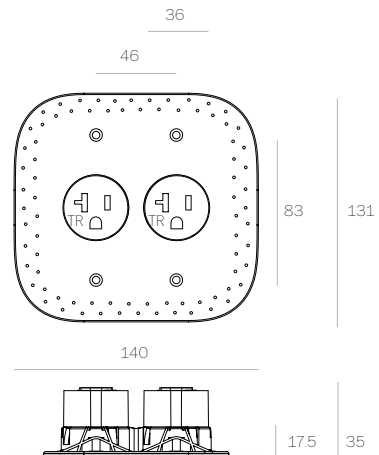
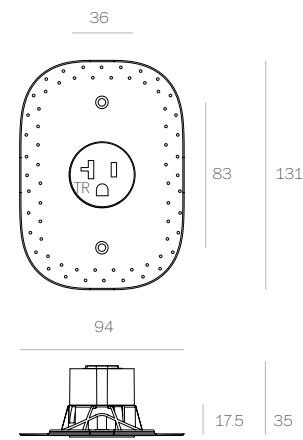


22.5.5  
single 15A tamper resistant outlet  
other material mounting plate assembly

22.5.5L  
long barrel single 15A tamper resistant outlet  
other material mounting plate assembly

22.6.4L  
long barrel double linear 20A tamper resistant outlet  
alternate material mounting plate assembly

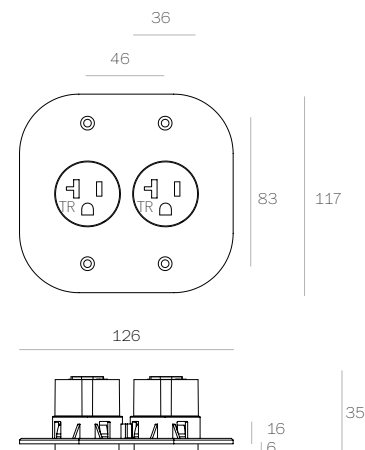
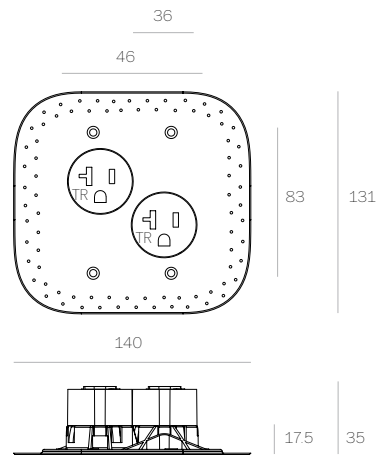
22.6.5  
single 20A tamper resistant outlet  
alternate material mounting plate assembly



22.6.1  
single 20A tamper resistant outlet  
mud-in mounting plate assembly

22.6.2  
double linear 20A tamper resistant outlet  
mud-in mounting plate assembly

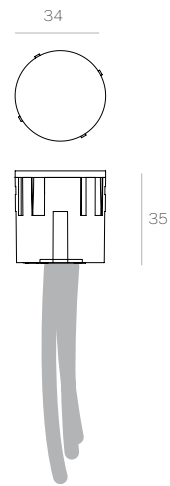
22.6.5L  
long barrel single 20A tamper resistant outlet  
alternate material mounting plate assembly



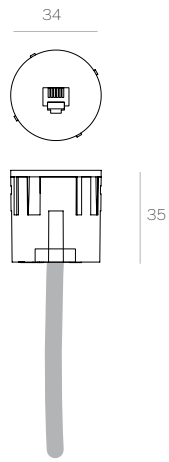
22.6.3  
double offset 20A tamper resistant outlet  
mud-in mounting plate assembly

22.6.4  
double linear 20A tamper resistant outlet  
alternate material mounting plate assembly

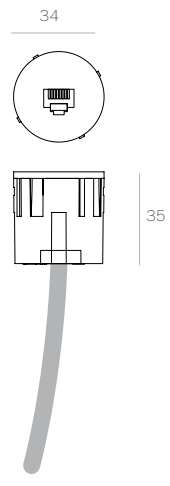




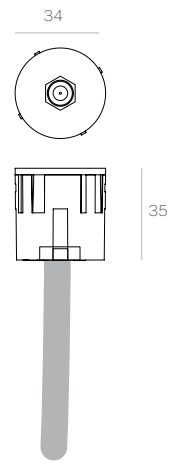
22.3.2  
line voltage on/off switch



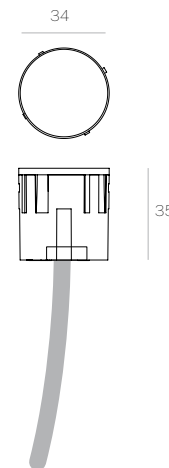
22.3.3  
RJ12 telephone jack receptacle



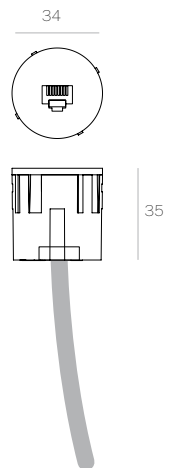
22.3.4  
RJ45 CAT5 data receptacle



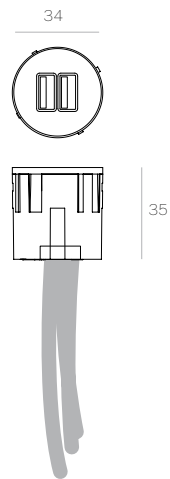
22.3.5  
F connector cable receptacle



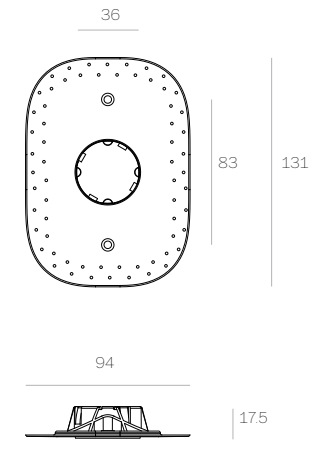
22.3.6  
intelligent control interface



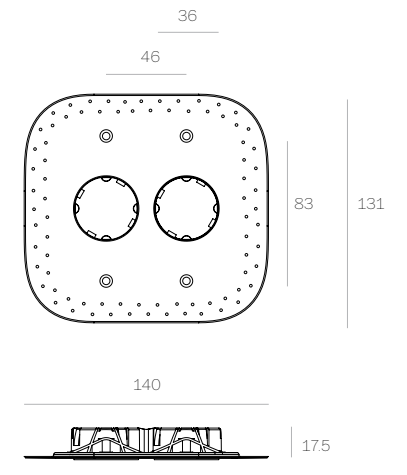
22.3.9  
RJ45 CAT6 data receptacle



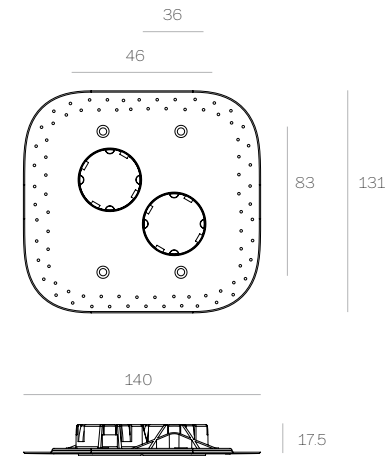
22.3.10  
powered USB charging receptacle



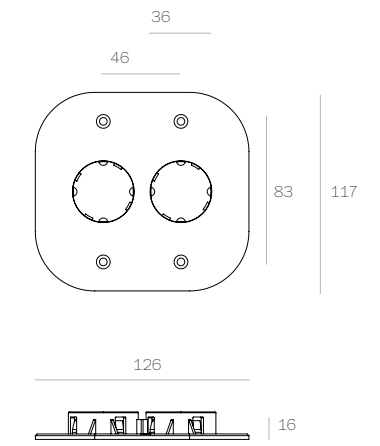
22.2.1  
single mud-in mounting plate



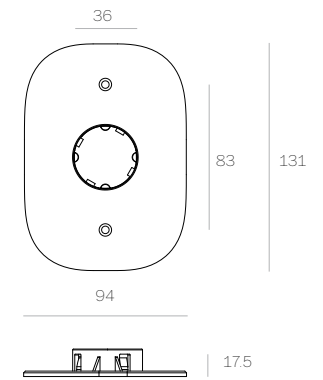
22.2.2  
double linear mud-in mounting plate



22.2.3  
double offset mud-in mounting plate



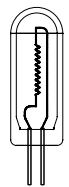
22.2.4  
double linear alternate material mounting plate



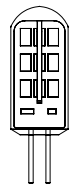
22.2.5  
single alternate material mounting plate

# 28 Technical Specifications

LAMPING:



**XENON**  
 Correlated Colour Temperature: 2628  
 Colour Rendering Index: 100  
 Luminous Flux: 196  
 Lumens/Watt: 10.3



**LED**  
 Correlated Colour Temperature: 2400  
 Colour Rendering Index: 75  
 Luminous Flux: 142  
 Lumens/Watt: 60

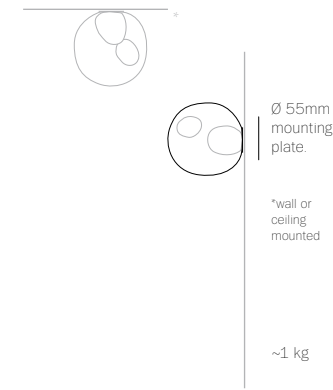
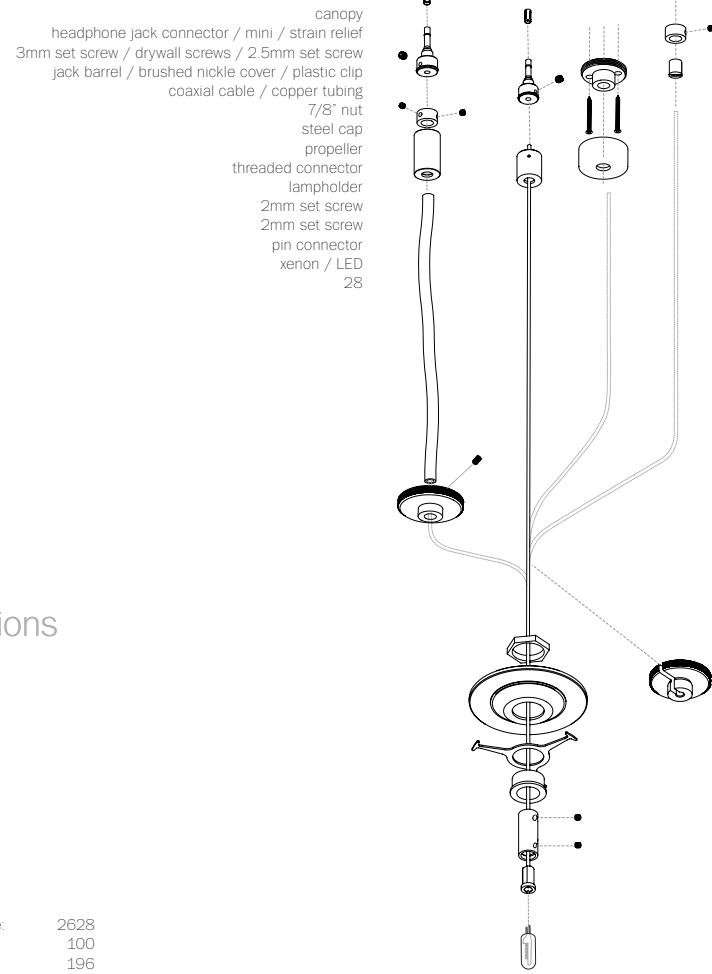
20W or 1.8W LED type G4 bi-pin lamp  
 (Bocci 24.1 or 24.2 LED)

Ta = 25C

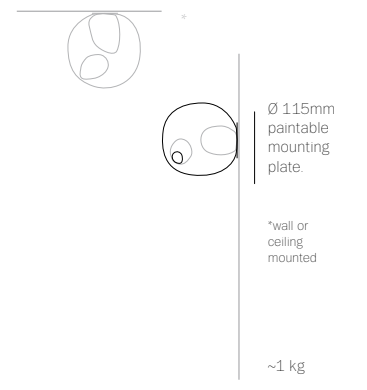
DESIGNATIONS:



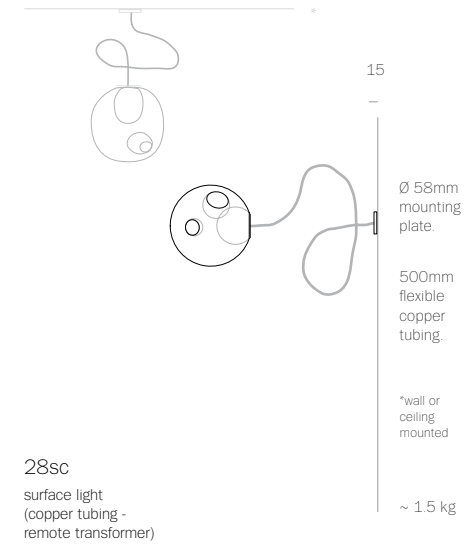
recommended for indoor use only



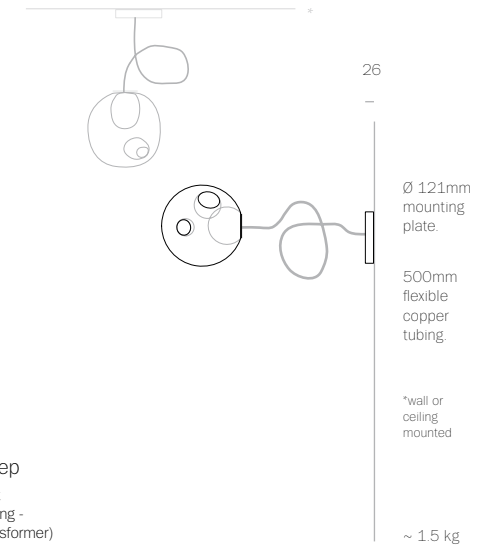
28s  
 surface light  
 (mini plate - remote transformer)



28sp  
 surface light



28sc  
 surface light  
 (copper tubing - remote transformer)

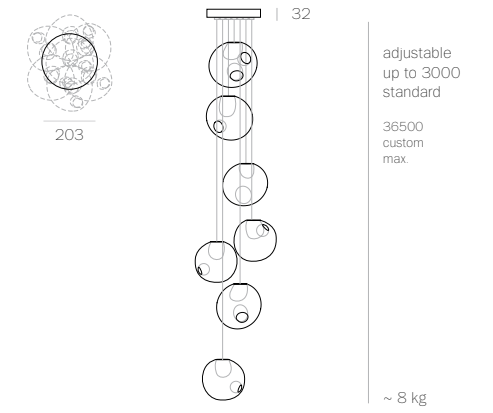
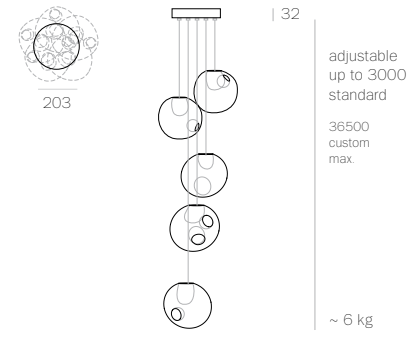
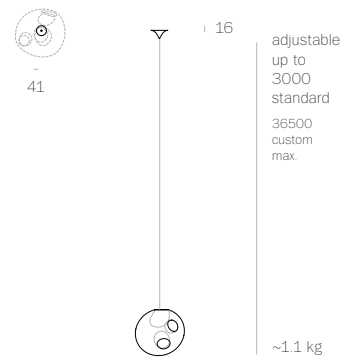
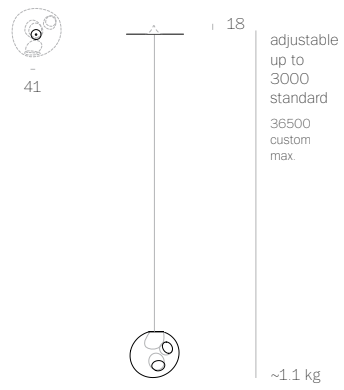


28sc deep  
 surface light  
 (copper tubing - integral transformer)



28d  
 desk lamp



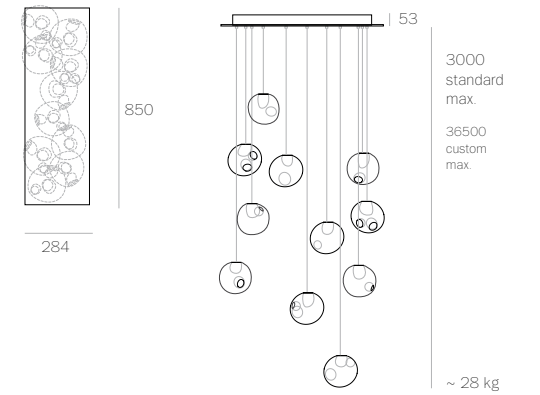
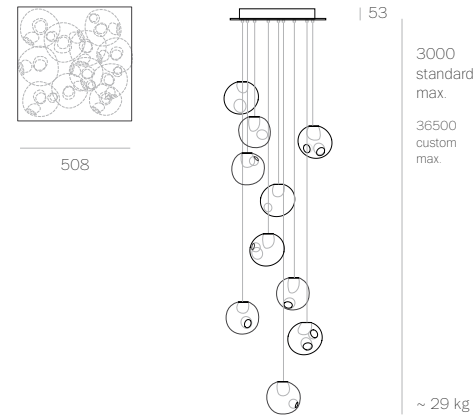
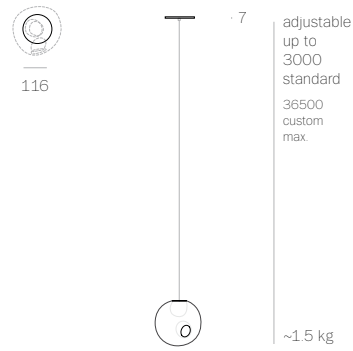
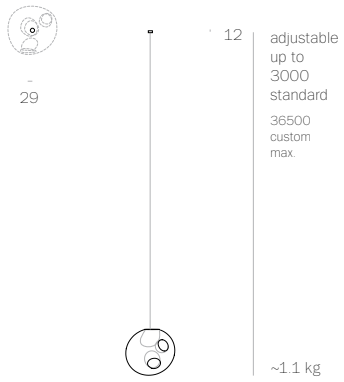


28.1mi  
mini innie canopy

28.1mo  
mini outtie canopy

28.5  
random

28.7  
random

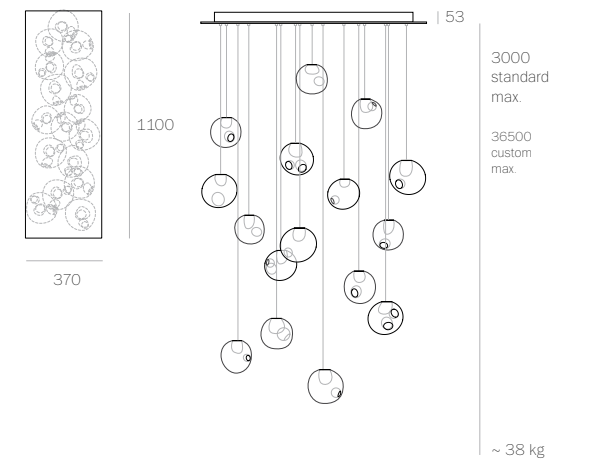
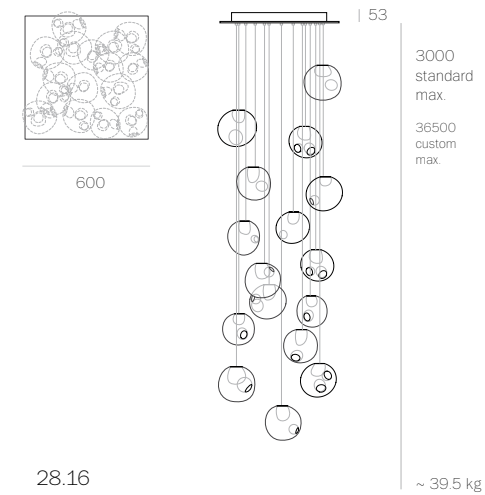
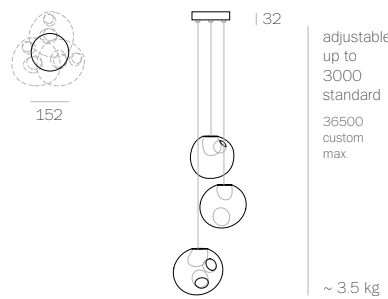
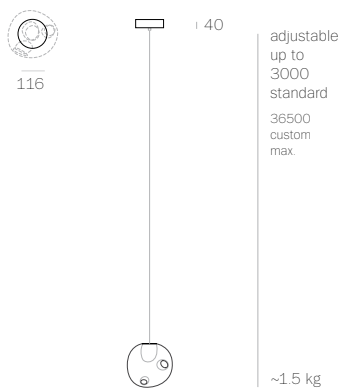


28.1m  
mini canopy

28.1

28.11  
square canopy

28.11  
rectangular canopy

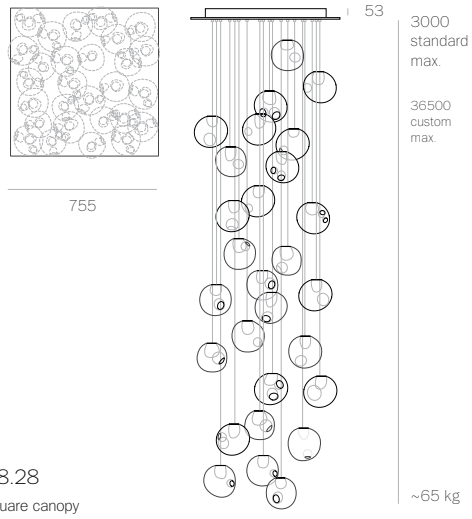


28.1 deep  
deep canopy

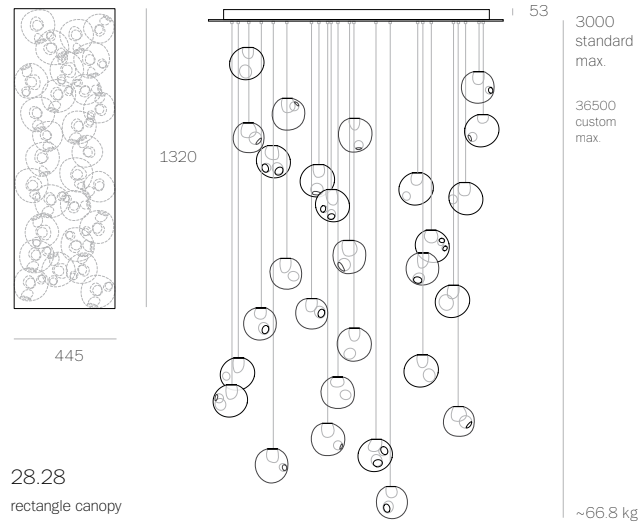
28.3  
random

28.16  
square canopy

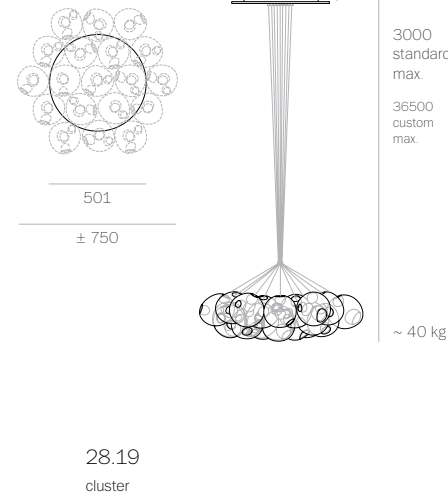
28.16  
rectangle canopy



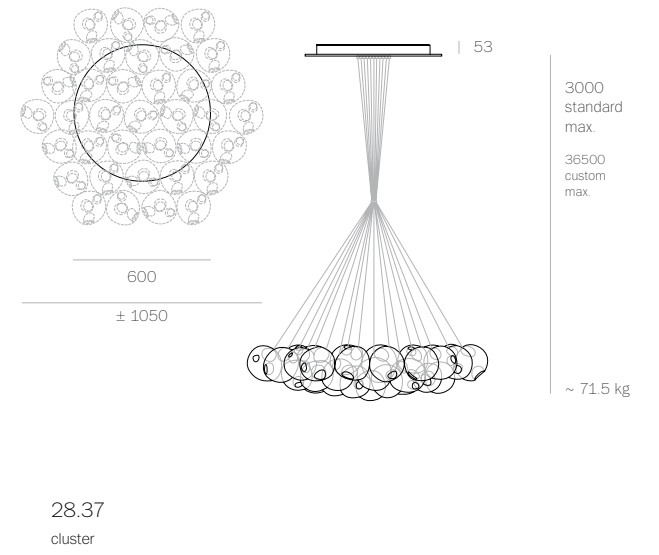
28.28 square canopy



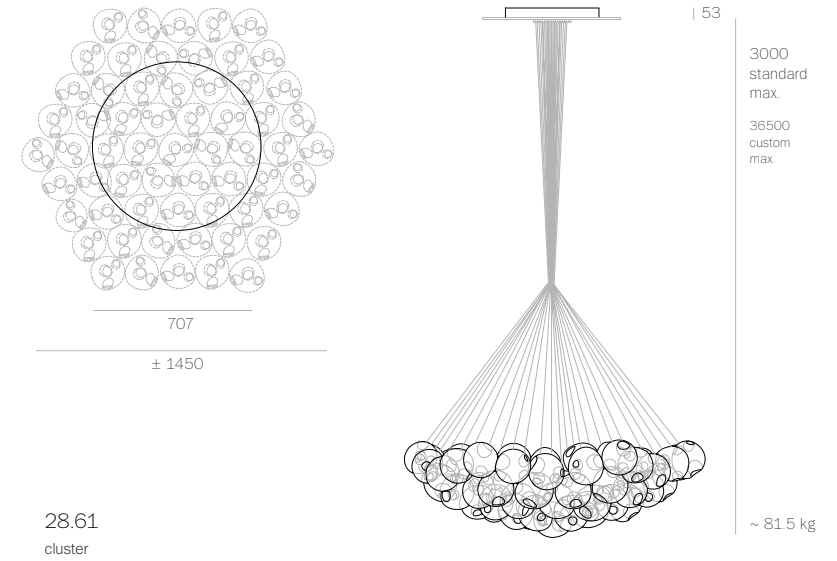
28.28 rectangle canopy



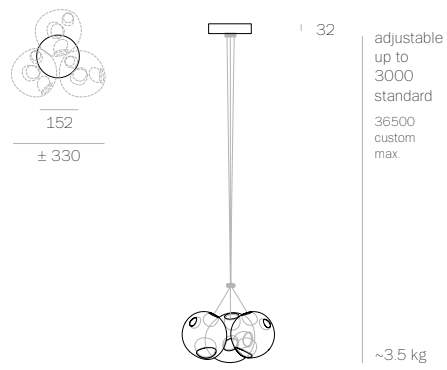
28.19 cluster



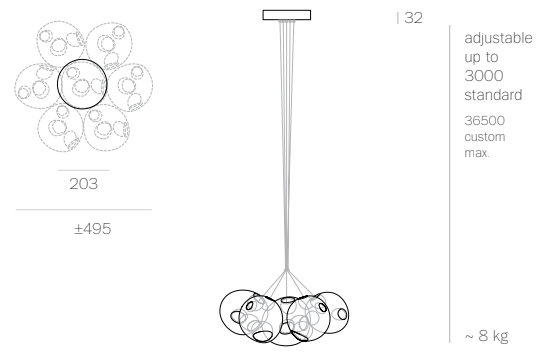
28.37 cluster



28.61 cluster



28.3 cluster



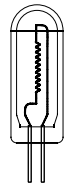
28.7 cluster



# 38 Technical Specifications

- canopy
- headphone jack connector / strain relief
- 3mm set screw / 2.5mm set screw
- jack barrel / brushed nickel cover / plastic clip
- coaxial cable / copper tubing
- moon
- 7/8" nut
- steel cap
- propeller
- threaded connector
- lampholder
- 2mm set screw
- 2mm set screw
- pin connector
- xenon / LED
- 38

LAMPING:



**XENON**  
 Correlated Colour Temperature: 2537  
 Colour Rendering Index: 100  
 Luminous Flux: 81  
 Lumens/Watt: 8.3

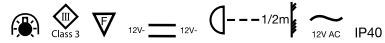


**LED**  
 Correlated Colour Temperature: 2400  
 Colour Rendering Index: 75  
 Luminous Flux: 142  
 Lumens/Watt: 60

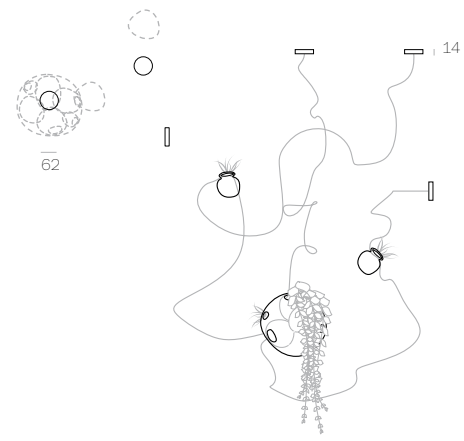
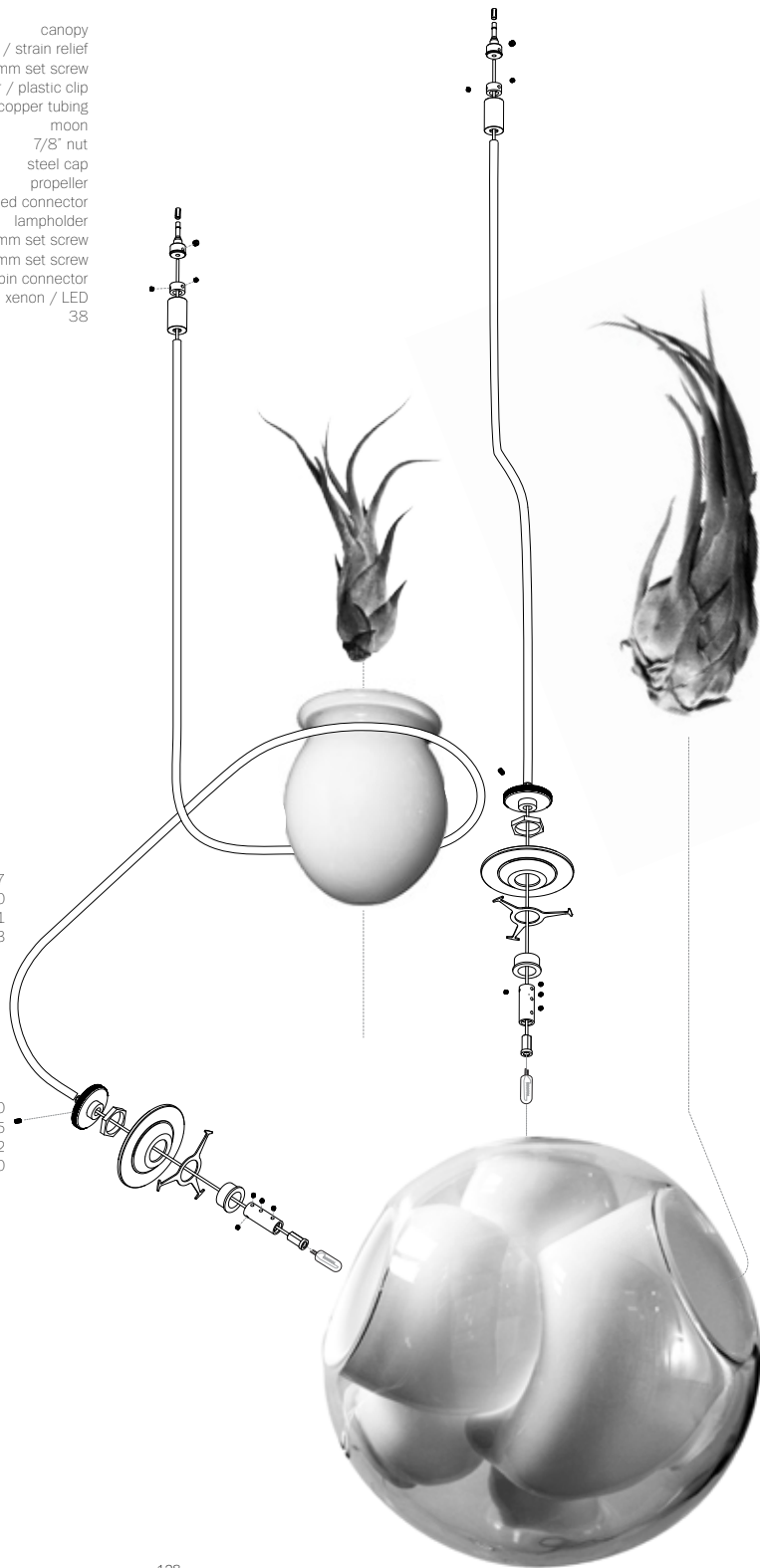
10W or 1.8W LED type G4 bi-pin lamp  
 (Bocci 24.1 or 24.2 LED)

Ta = 25C

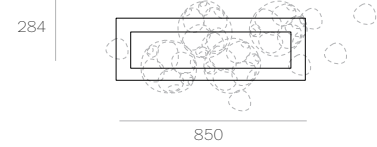
DESIGNATIONS:



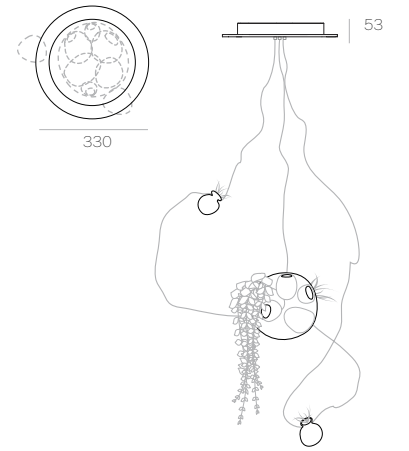
recommended for indoor use only



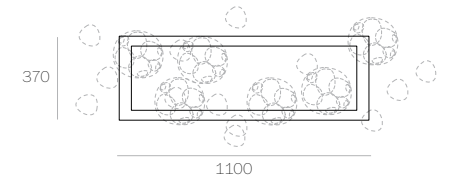
38.3m  
mini canopy



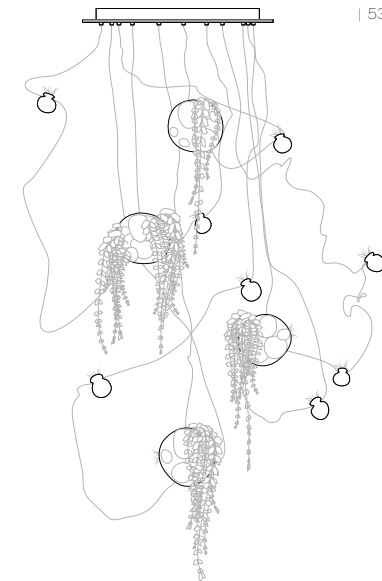
38.11  
rectangle canopy



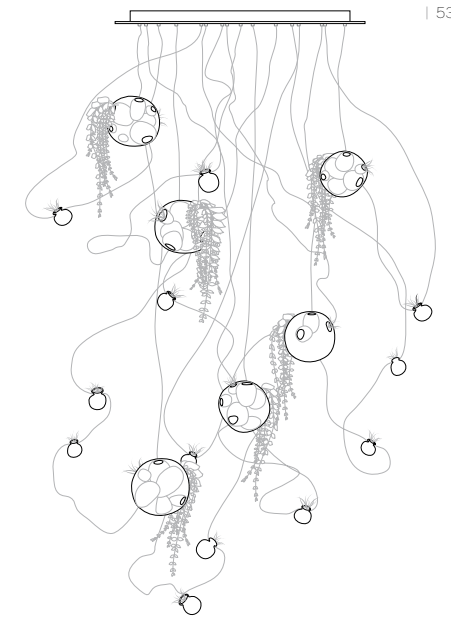
38.3



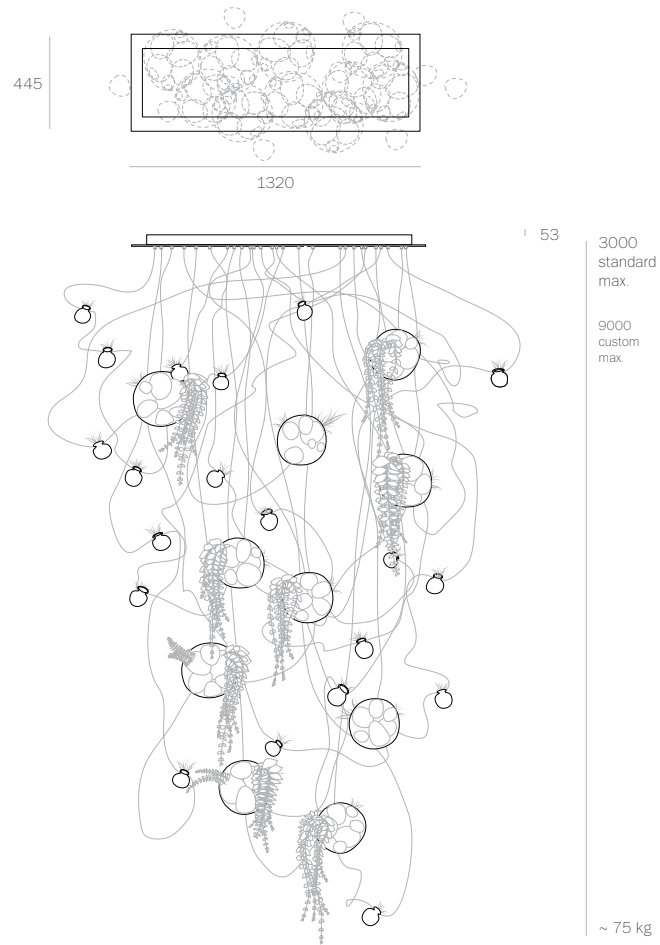
38.16  
rectangle canopy



3000 standard max.  
 9000 custom max.  
 ~ 31 kg



3000 standard max.  
 9000 custom max.  
 ~ 43 kg

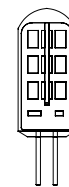


38.28  
rectangle canopy



- canopy
- headphone jack connector / mini / strain relief
- 3mm set screw / drywall screws / 2.5mm set screw
- jack barrel / brushed nickel cover / plastic clamp
- swag hook
- coaxial cable
- aircraft cable
- 57
- glass cap
- retainer ring
- 17mm hex bolt
- steel cap
- compression clamp
- lampholder
- 2mm set screw
- 2mm set screw
- pin connector
- LED

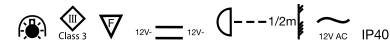
# 57 Technical Specifications



LED  
 Correlated Colour Temperature: 2400  
 Colour Rendering Index: 75  
 Luminous Flux: 142  
 Lumens/Watt: 60

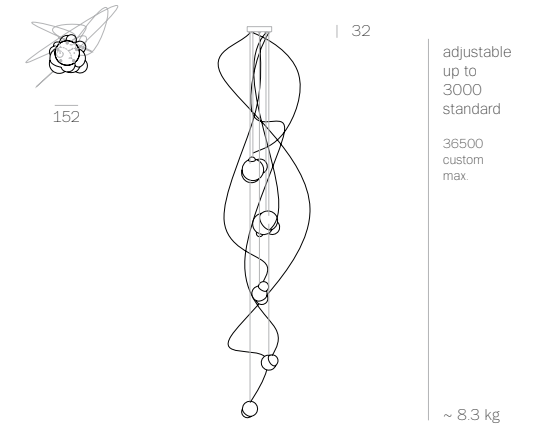
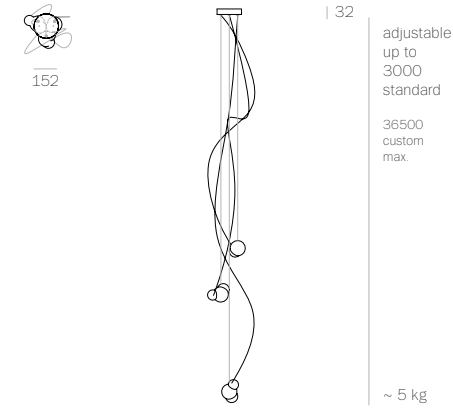
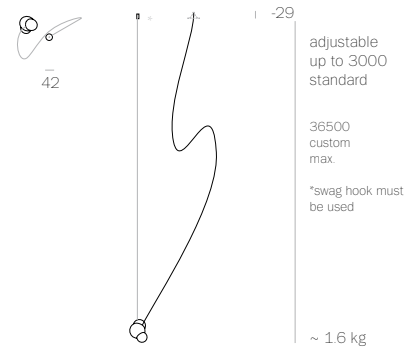
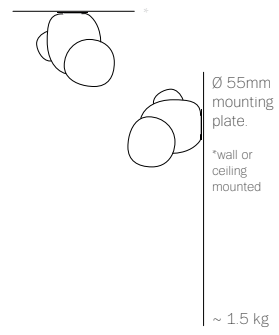
1.8W LED type G4 bi-pin lamp  
 (Bocci 24.2 LED)  
 Ta = 25C

DESIGNATIONS:



recommended for indoor use only



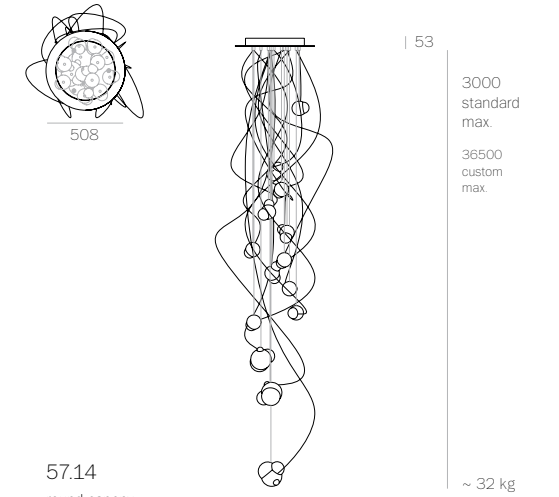
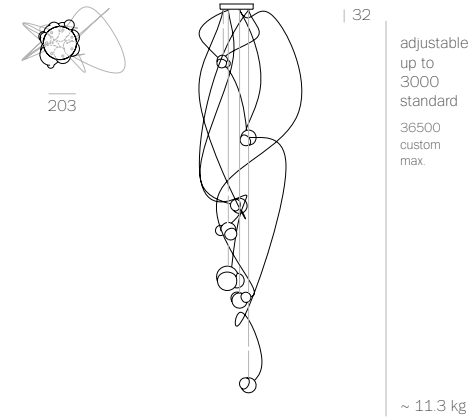
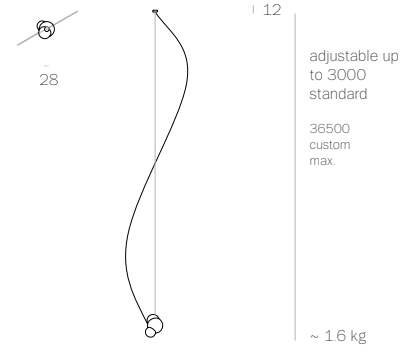
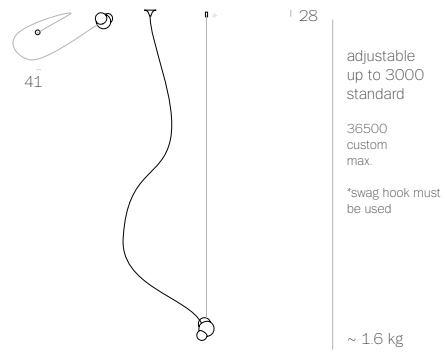


57s surface light (mini plate - remote transformer)

57.1mi mini innie canopy

57.3

57.5

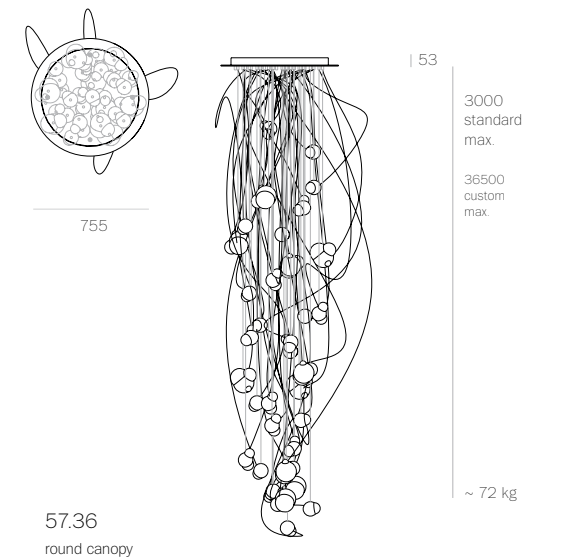
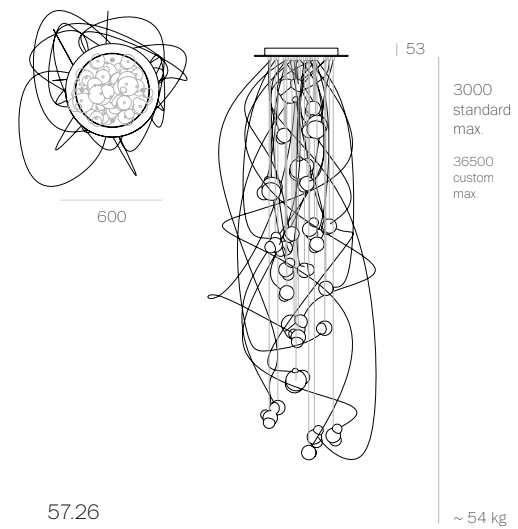
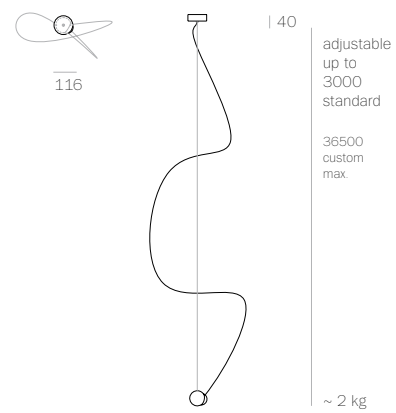
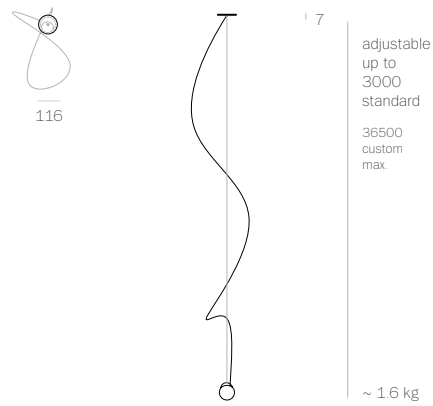


57.1mo mini outtie canopy

57.1m mini canopy

57.7

57.14 round canopy

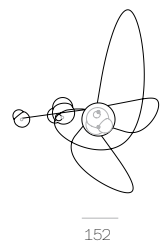


57.1 shallow canopy

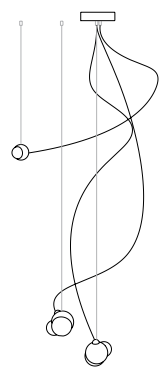
57.1 deep canopy

57.26 round canopy

57.36 round canopy



152



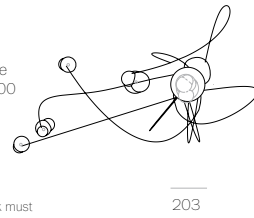
32

adjustable up to 3000 standard

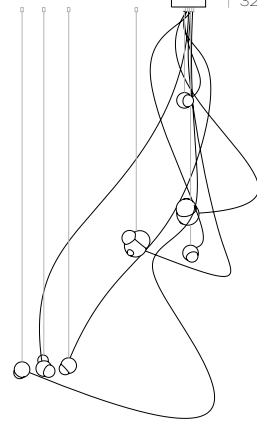
36500 custom max.

\*swag hook must be used

~ 5 kg



203



32

adjustable up to 3000 standard

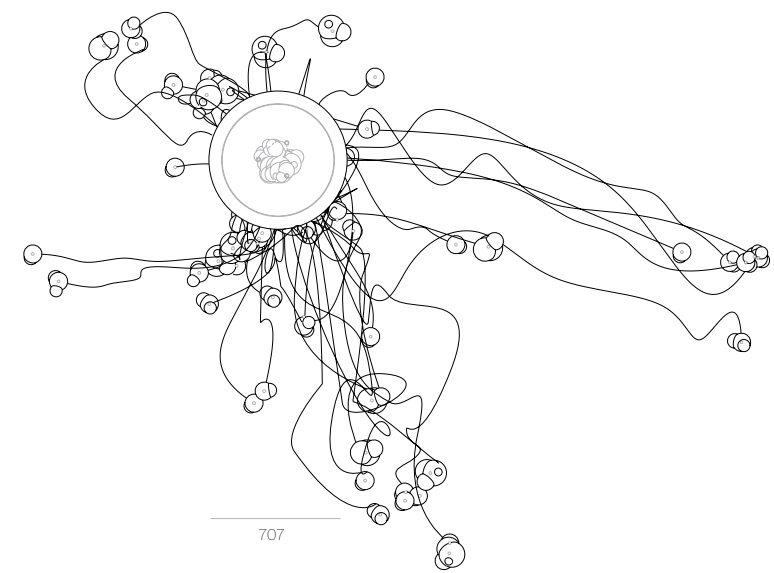
36500 custom max.

\*swag hook must be used

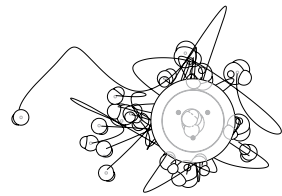
~ 12 kg

57.3 cluster canopy

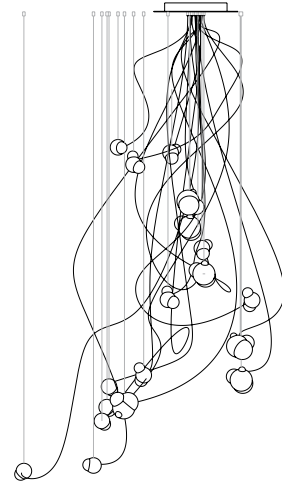
57.7 cluster canopy



707



501



53

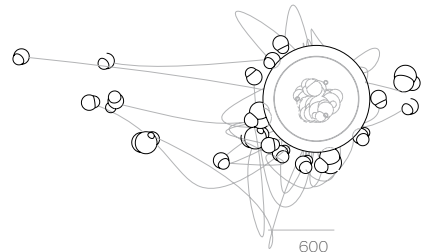
3000 standard max.

36500 custom max.

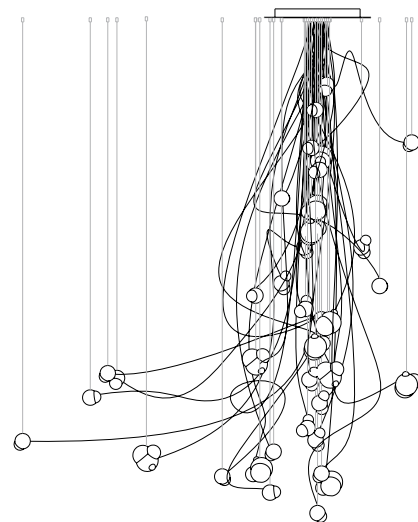
\*swag hook must be used

~ 50 kg

57.19 cluster canopy



600



53

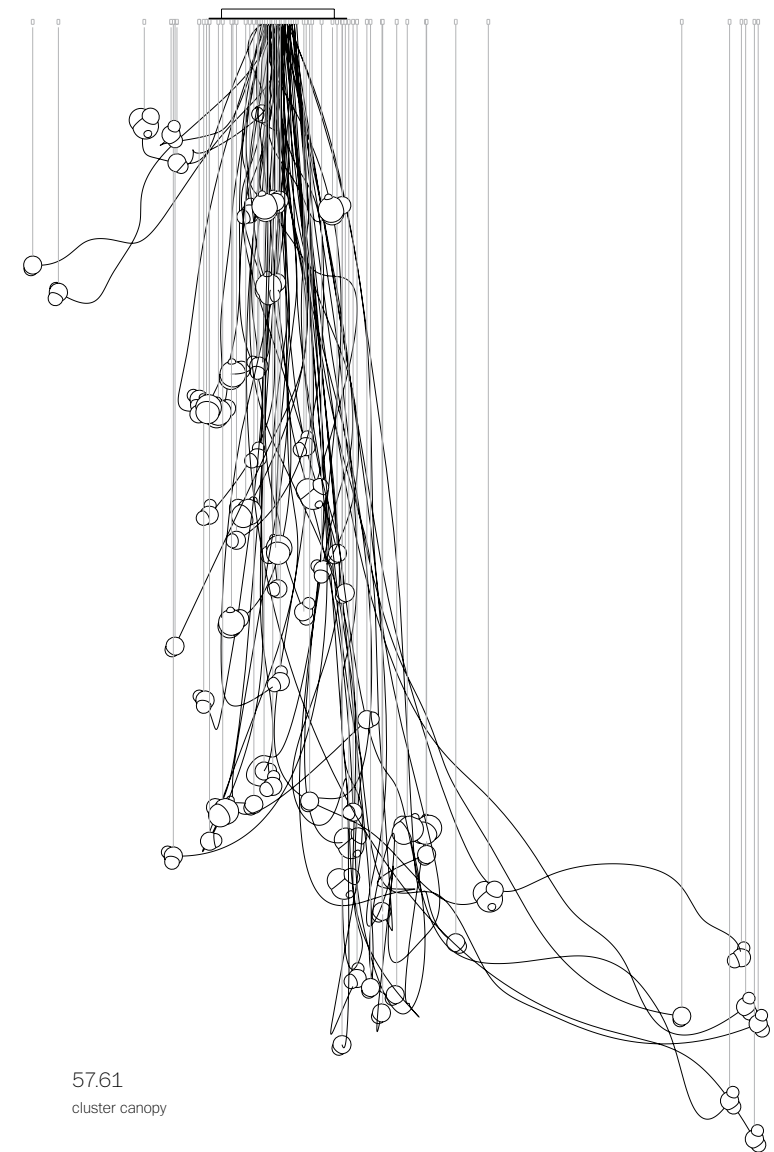
3000 standard max.

36500 custom max.

\*swag hook must be used

~ 90 kg

57.37 cluster canopy



53

3000 standard max.

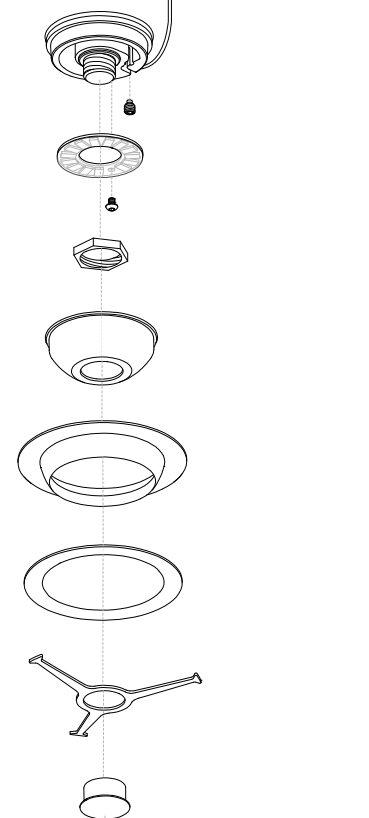
36500 custom max.

~ 132 kg

57.61 cluster canopy

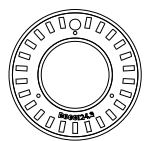


- canopy
- headphone jack connector / strain relief
- 3mm set screw / 2.5mm set screw
- jack barrel / brushed nickel cover / plastic clamp
- coaxial cable
- steel cap
- 3mm set screw
- ring LED
- 2.5mm set screw
- 17mm nut
- polycarbonate diffuser
- steel cap
- silicon gasket
- propeller
- threaded insert
- 73



# 73 Technical Specifications

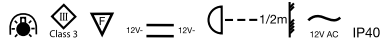
LAMPING:



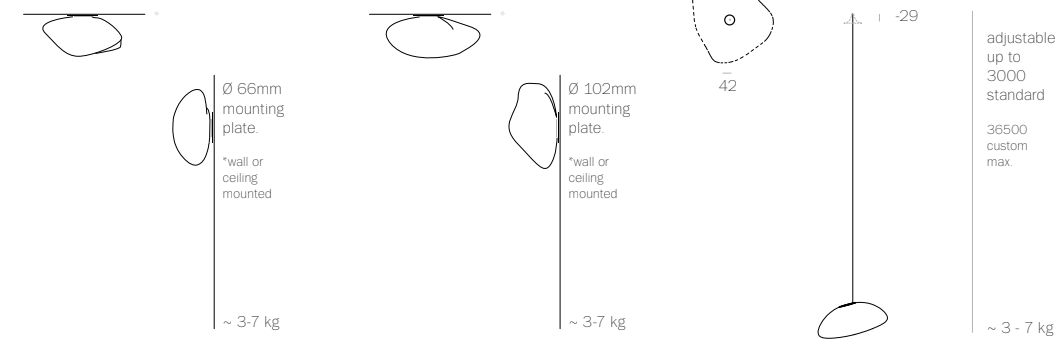
LED  
 Correlated Colour Temperature: 2400  
 Colour Rendering Index: 75  
 Luminous Flux: 190  
 Lumens/Watt: 83

2.3W ring LED  
 (Bocci 24.3 LED)  
 Ta = 25C

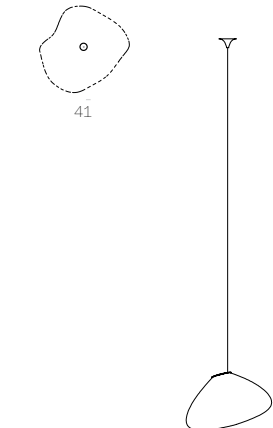
DESIGNATIONS:



Recommended for indoor use only



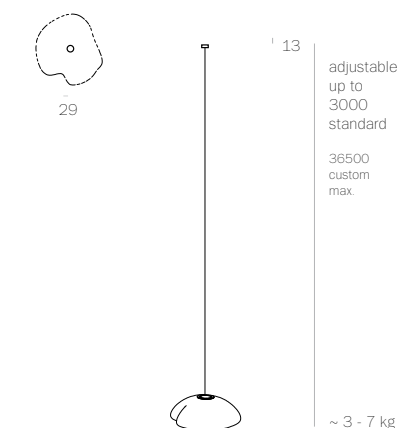
73s  
 surface light  
 (mini plate - remote transformer)



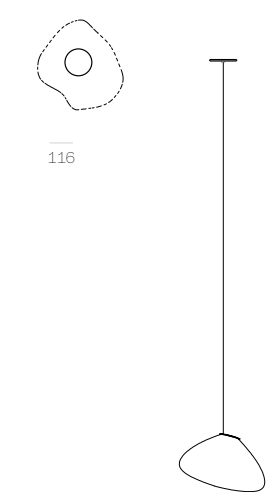
73sp  
 surface light



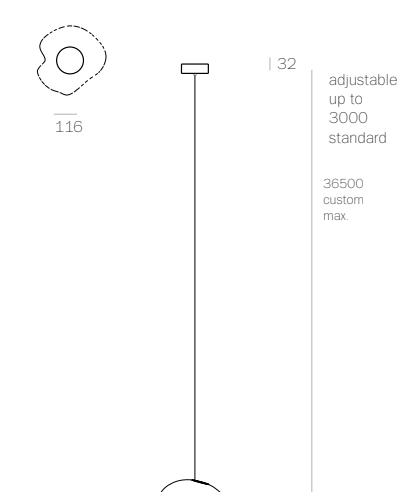
73.1mi  
 mini innie canopy



73.1mo  
 mini outtie canopy

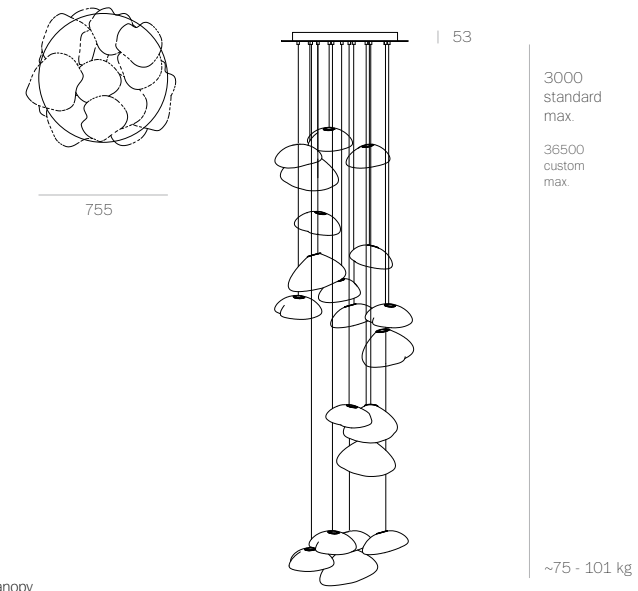
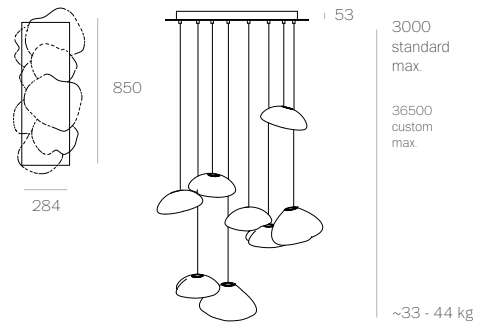
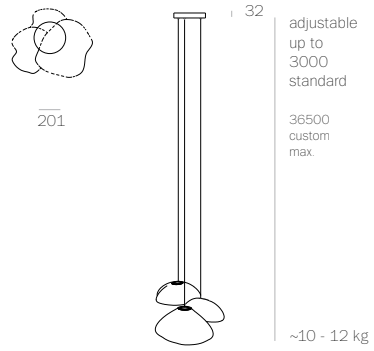


73.1m  
 mini canopy



73.1  
 shallow canopy

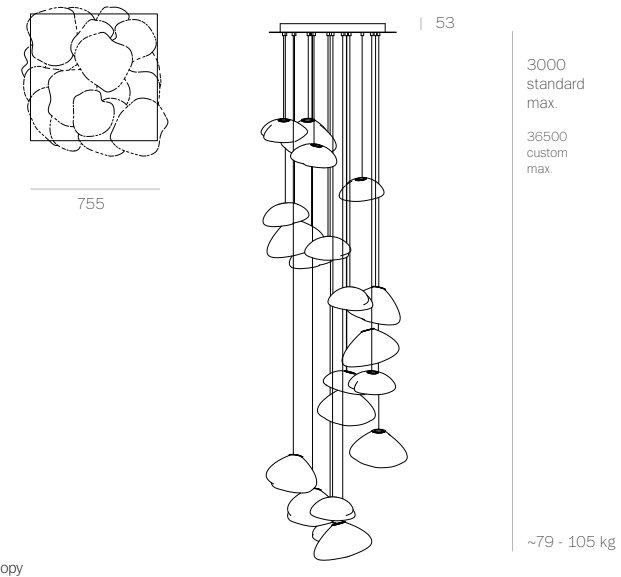
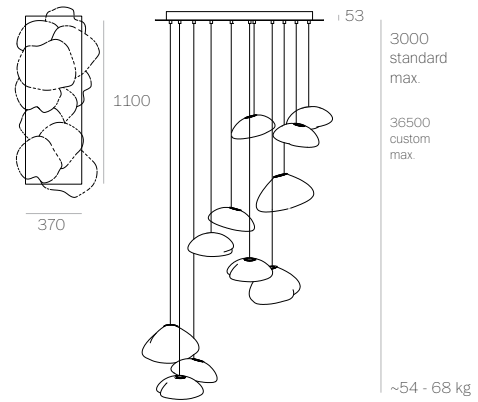
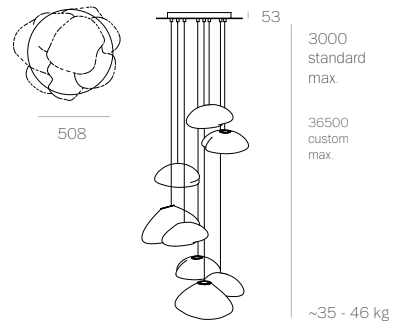
73.1  
 deep canopy



73.3 random

73.8 rectangle canopy

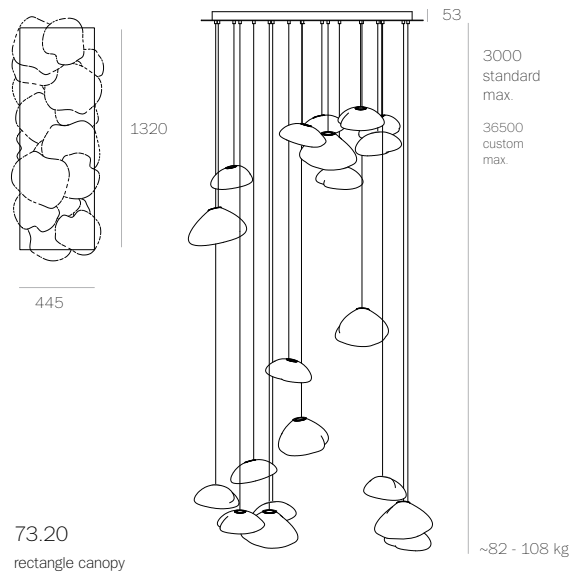
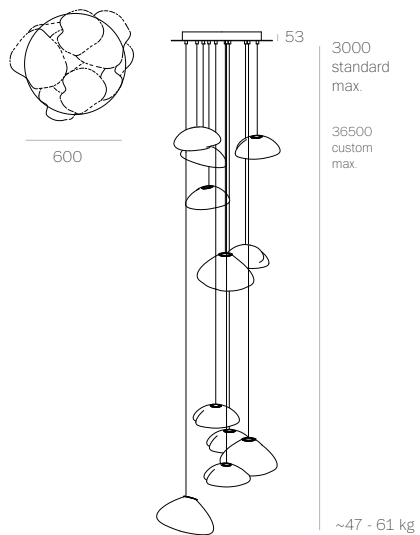
73.20 round canopy



73.8 round canopy

73.11 rectangle canopy

73.20 square canopy



73.11 round canopy

73.20 rectangle canopy



