

28

copper

An innovative fabrication process that manipulates both the temperature and the direction of air flow into blown glass. 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.

The flexible copper suspension provides a different compositional reading and a range of sculptural forms.



28
copper



Lamping

1.8w LED or 20w xenon

Material

Blown glass, flexible copper tubing, electrical components, copper hardware, and white powder coated canopy.

Patent

US Patent # D687,740
EU Patent # 001695834-001 to 004

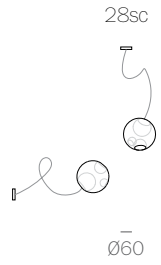


±165
(6.5")

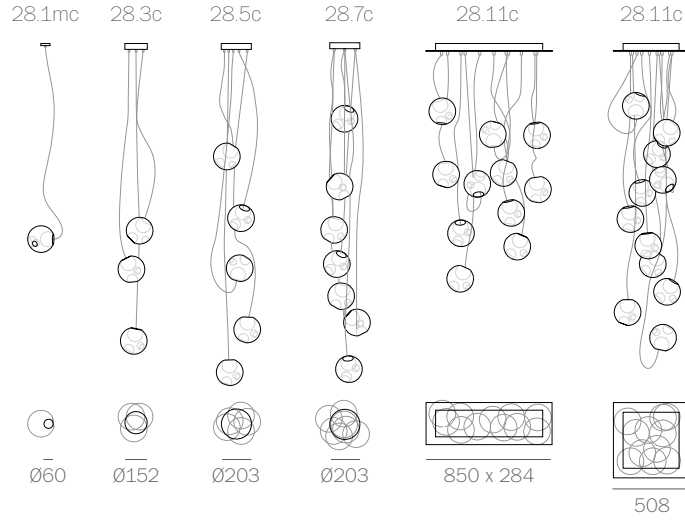
28

copper

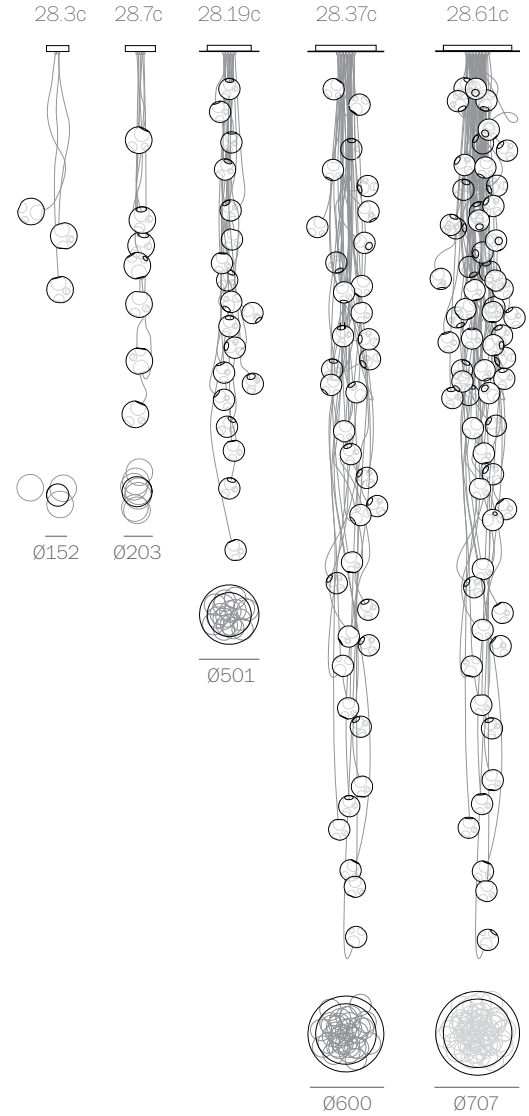
Surface Mount
Wall/ceiling



Fixed Lengths
Random canopies.

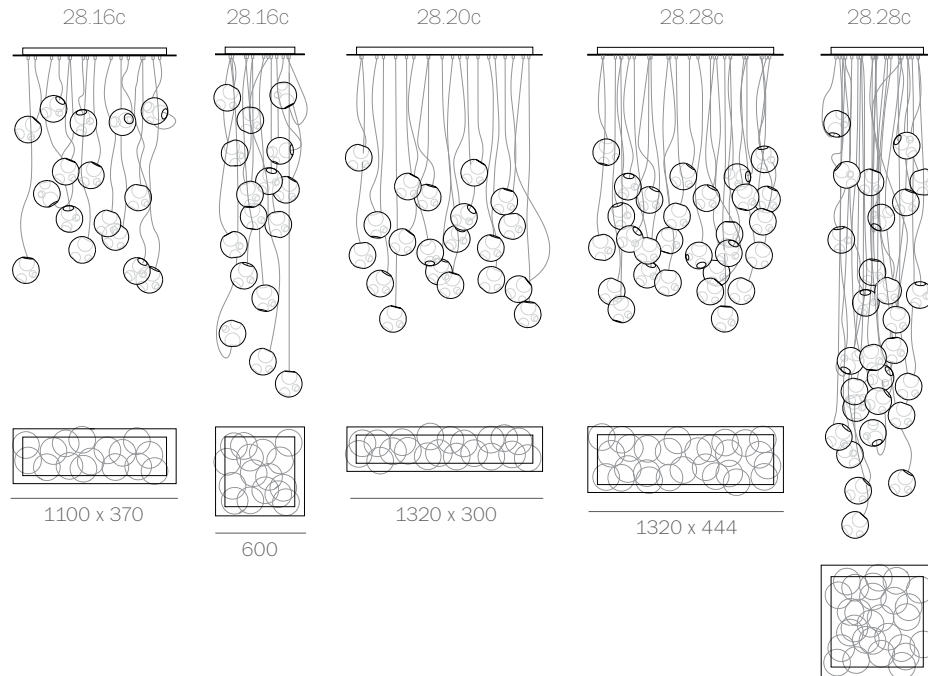


Fixed Lengths
Cluster canopies.



fixed length
up to
3000 (10')
standard

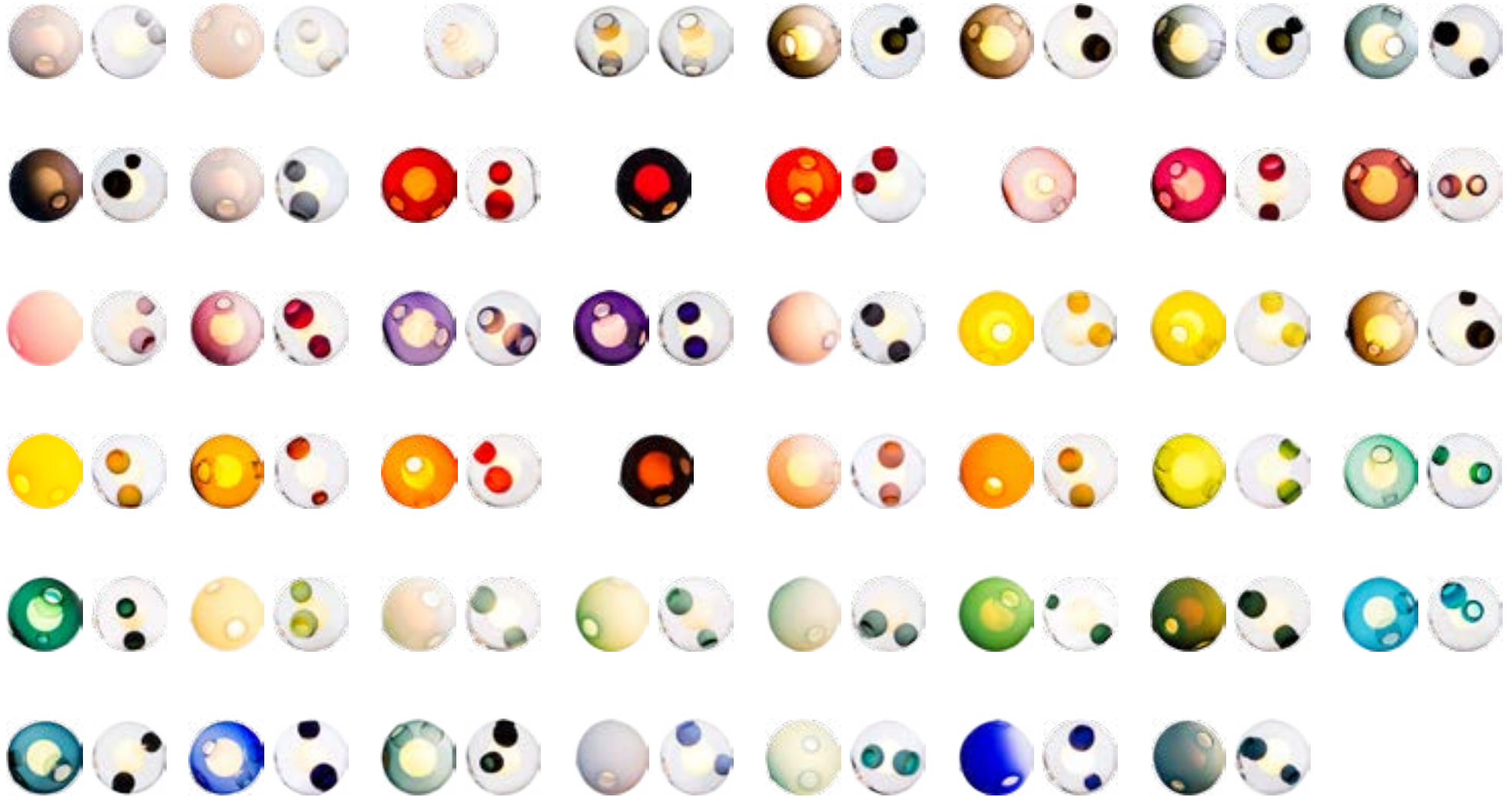
fixed length
up to
9900 (32')
custom



28

copper

The 28 pendant comes in 90 different colours. Please visit the [28 colour app](#) for pendant colour compositions.



28

copper



28
copper

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copper



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Omer Alber 2009

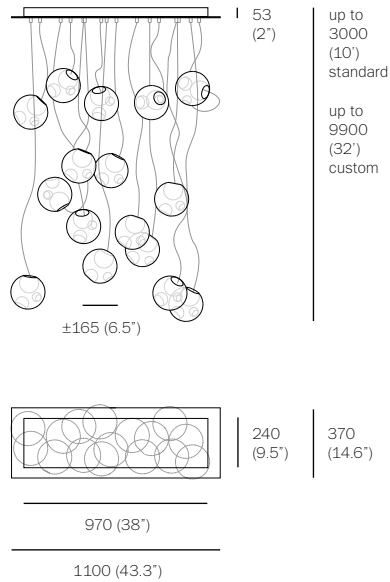
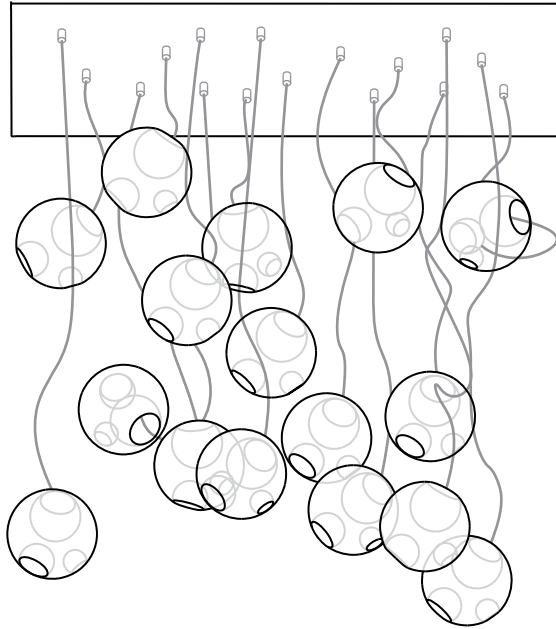
www.bocci.ca

28
copper

Designed by Omer Arbel, 2009
www.bocci.com

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- PENDANTS: sixteen
- MOUNTING: white powder coated rectangular canopy 1100mm (43.3') x 370mm (14.6') x 53mm (2') deep
- LAMPING: 1.8w LED or 20w xenon
- CABLE: fixed lengths. 3000mm (10') standard / up to 9900mm (32') maximum
- MATERIALS: blown glass, flexible copper tubing, electrical components, copper hardware, white powder coated canopy
- WEIGHT: approximately 47.5kg (105lb)
- TRANSFORMERS: integral

DESCRIPTION

28.16c is a random configuration of sixteen 28 pendants hung from a rectangular canopy. The pendants are designed to hang in a random configuration at times clustering together and others trailing off. The result is an ambient installation or field of light.

28 is an exploration of specificity in manufacturing. Instead of designing form itself, here the intent was to design a system of making that yields form. Individual 28 pendants result from a complex glass blowing technique whereby air pressure is intermittently introduced into and then removed from a glass matrix which is intermittently heated and then rapidly cooled. The result is a distorted spherical shape with a composed collection of imploded inner shapes, one of which acts as a shade for the light source.

The 28 copper series provides 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.

Standard 28s are made with clear glass exterior spheres and milk white interior lamp holder cavities. 28s are possible with infinite versatility in colour compositions, sizes and shapes.

NOTES

- + Purchase replacement lamps online at www.bocci.ca/lamps
- + Unless otherwise noted when ordering, all fixtures will be outfitted to be xenon compatible
- + Preset lengths may have a variance of +/- 50mm (2')
- + As an alternative to a built-in transformer, Bocci recommends mounting transformers remotely in an easily accessible and hidden location for ease of long-term maintenance.

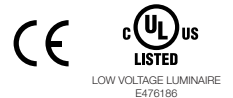
US Patent # D687,740
EU Patent # 001695834-001 to 004

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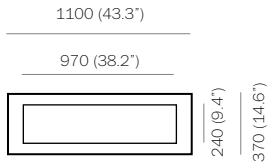
approx 47.5kg (105lb)



RECTANGLE

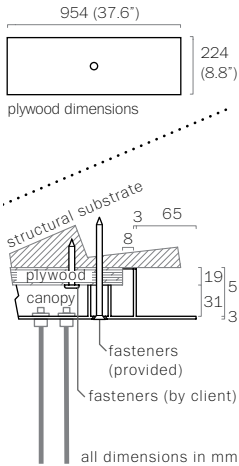
28.16c

Design by Omer Arbel
PRODUCT SPECIFICATION



1

Measure and mark the light fixture canopy position on the ceiling



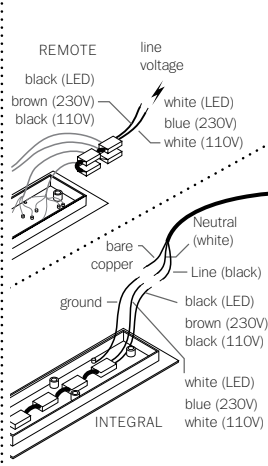
2

Note: The client is responsible for providing a robust 19mm (3/4") plywood backing or wood blocking to securely anchor to the structural substrate.

Connections from the plywood to the structural substrate are the client's responsibility.

Measure the plywood so that it fits within the canopy side walls (refer to detail above).

Anchor the plywood backing to the structural ceiling substrate.



3

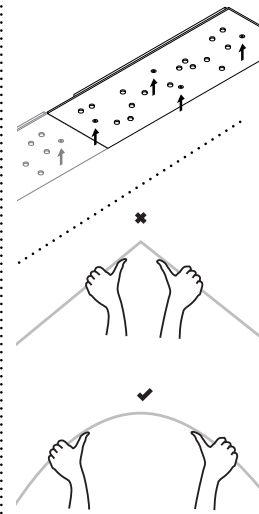
Connect transformers inside the canopy to line voltage.

Xenon (110V) or LED: connect the black wire to black and white wire to white wire.

Xenon (230V): connect black wire to brown wire and white wire to blue wire.

For the ground connection, connect the green wire with yellow stripe to the bare copper wire or green wire in the junction box.

Note: As an option, Bocci recommends mounting transformers remotely in a close, accessible and hidden location for ease of long term maintenance. Installation to be done by certified personnel to ensure compliance with the code.



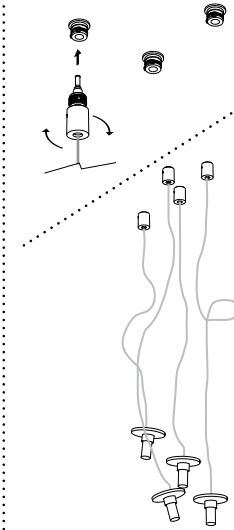
4

Anchor canopy into the plywood backing using the fasteners provided.

Separate the copper tubes according to length.

Very carefully uncoil the copper tube with both hands to avoid kinking.

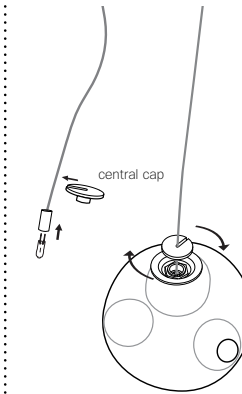
Note: be very careful not to overbend the copper tubes as it will leave a permanent kink that can not be removed.



5

Each copper length terminates in a "headphone jack" type connector, which plugs into a receiving receptacle in the canopy. After plugging in each pendant, turn the threaded sheath into place by hand ensuring that it is adequately tightened. Tools are not required.

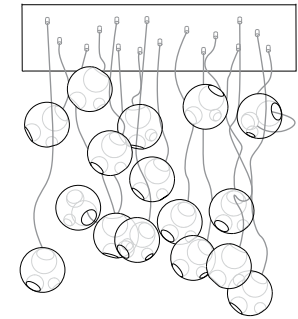
Compose the copper tubing according to the intended design aesthetic.



6

Plug the lamp into the socket. Install 28 pendant by inserting the socket into the opening and then threading the copper cap into the pendant by hand. Do not over tighten.

Note: Once the pendant is added, it will pull the copper downwards. The pendant will try to hang directly below the canopy as the copper is not rigid enough for long horizontal compositions.



7

Clean fingerprints from glass surfaces.

Turn fixture on.

For additional assistance, please contact Bocci:

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US Patent # D687,740
EU Patent # 001695834-001 to 004

Made in Vancouver, Canada



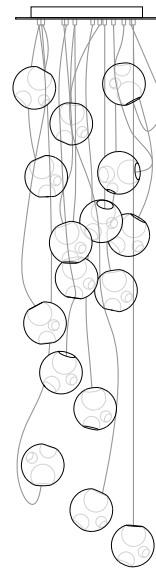
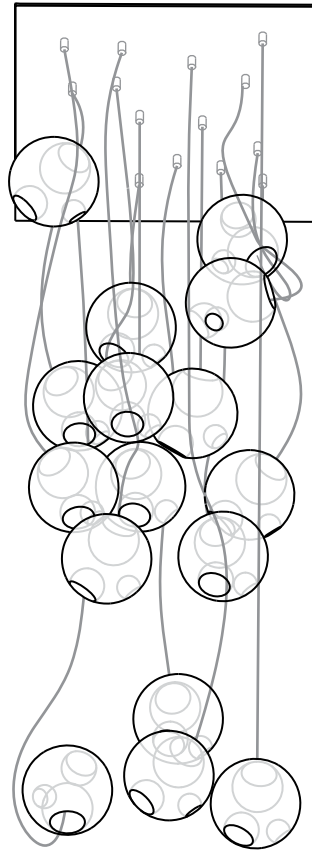
RECTANGLE

28.16c

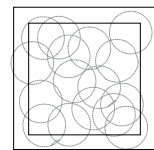
Design by Omer Arbel
PRODUCT INSTALLATION INSTRUCTIONS

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BOCCI



±165 (6.5')



470
(18.5')

600
(23.6')

53
(2')

up to
3000
(10')
standard

up to
9900
(32')
custom

PENDANTS: sixteen

MOUNTING: white powder coated square canopy 600mm (23.6") x 53mm (2") deep

LAMPING: 1.8w LED or 20w xenon

CABLE: fixed lengths. 3000mm (10') standard / up to 9900mm (32') maximum

MATERIALS: blown glass, flexible copper tubing, electrical components, copper hardware, white powder coated canopy

WEIGHT: approximately 46kg (101lb)

TRANSFORMERS: integral

DESCRIPTION

28.16c is a random configuration of sixteen 28 pendants hung from a square canopy. The pendants are designed to hang in a random configuration at times clustering together and others trailing off. The result is an ambient installation or field of light.

28 is an exploration of specificity in manufacturing. Instead of designing form itself, here the intent was to design a system of making that yields form. Individual 28 pendants result from a complex glass blowing technique whereby air pressure is intermittently introduced into and then removed from a glass matrix which is intermittently heated and then rapidly cooled. The result is a distorted spherical shape with a composed collection of imploded inner shapes, one of which acts as a shade for the light source.

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NOTES

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US Patent # D687,740

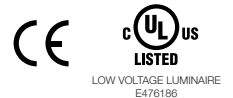
EU Patent # 001695834-001 to 004

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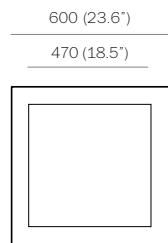
approx 46kg (101lb)



SQUARE

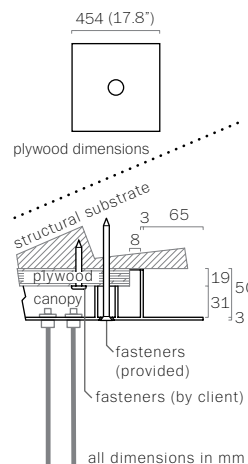
28.16c

Design by Omer Arbel
PRODUCT SPECIFICATION



1

Measure and mark the light fixture canopy position on the ceiling



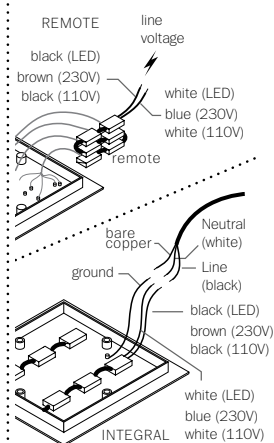
2

Note: The client is responsible for providing a robust 19mm (3/4") plywood backing or wood blocking to securely anchor to the structural substrate.

Connections from the plywood to the structural substrate are the client's responsibility.

Measure the plywood so that it fits within the canopy side walls (refer to detail above).

Anchor the plywood backing to the structural ceiling substrate.



3

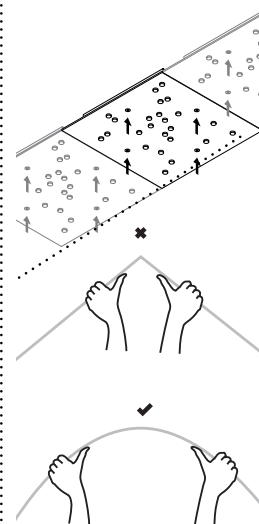
Connect transformers inside the canopy to line voltage.

Xenon (110V) or LED: connect the black wire to black and white wire to white wire.

Xenon (230V): connect black wire to brown wire and white wire to blue wire.

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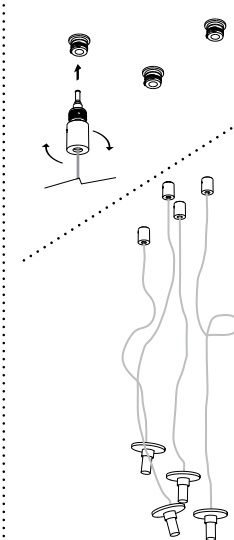
4

Anchor canopy into the plywood backing using the fasteners provided.

Separate the copper tubes according to length.

Very carefully uncoil the copper tube with both hands to avoid kinking.

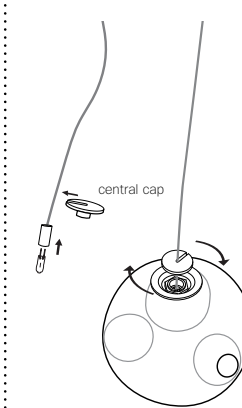
Note: be very careful not to overbend the copper tubes as it will leave a permanent kink that can not be removed.



5

Each copper length terminates in a "headphone jack" type connector, which plugs into a receiving receptacle in the canopy. After plugging in each pendant, turn the threaded sheath into place by hand ensuring that it is adequately tightened. Tools are not required.

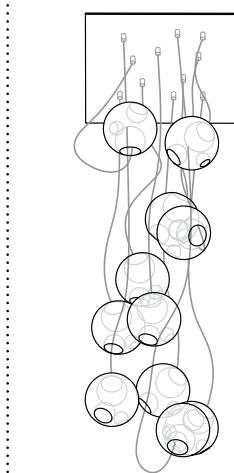
Compose the copper tubing according to the intended design aesthetic.



6

Plug the lamp into the socket. Install 28 pendant by inserting the socket into the opening and then threading the copper cap into the pendant by hand. Do not over tighten.

Note: Once the pendant is added, it will pull the copper downwards. The pendant will try to hang directly below the canopy as the copper is not rigid enough for long horizontal compositions.



7

Clean fingerprints from glass surfaces.

Turn fixture on.

For additional assistance, please contact Bocci:

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US Patent # D687,740
EU Patent # 001695834-001 to 004

Made in Vancouver, Canada



SQUARE

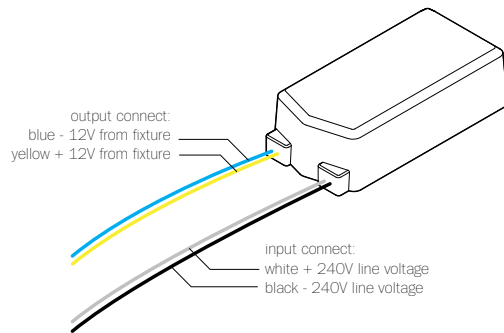
28.16c

Design by Omer Arbel
PRODUCT INSTALLATION INSTRUCTIONS

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BOCCI

120V Transformer



WH-601E6A-3C

PRIMARY: AC 120V 50/60Hz, 500mA

SECONDARY: 12V AC (10w min. - 60w max.)

LAMPING: 10w lamps: 1-6
20w lamps: 1-3

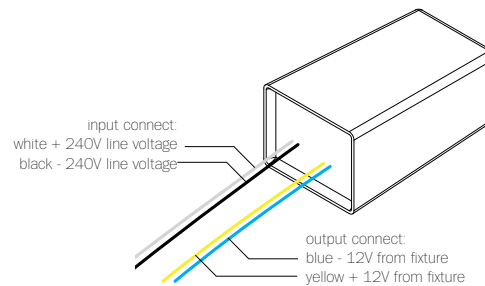
DIMMING: Dimmable using minimum 2 x 10w lamps or 1 x 20w lamp using low voltage electronic and trailing edge dimmers only.

NOTES: Auto stop protected
Class 2 power unit
Electronic transformer for xenon lamps only

DIMENSION: 70mm (2.8") x 36mm (1.4") x 20mm (0.75")

DESIGNATION:   E124867

240V Transformer



WH-602W

PRIMARY: AC 230V-240V 50Hz, 260mA

SECONDARY: 11.5V AC (10w min. - 60w max.)

LAMPING: 10w lamps: 1-6
20w lamps: 1-3

DIMMING: Dimmable using minimum 2 x 10w lamps or 1 x 20w lamp using low voltage electronic and trailing edge dimmers only.

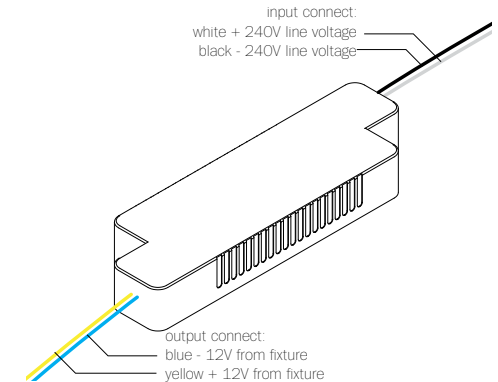
NOTES: Auto stop protected
Class 2 power unit
Electronic transformer for xenon lamps only

DIMENSION: 63mm (2.5") x 35mm (1.4") x 26mm (1")

DESIGNATION:    

IP65   ta: 50°C
tc: 80°C

240V Transformer



WH-602S

PRIMARY: AC 230V-240V 50Hz, 260mA










SECONDARY: 11.5V AC (10w min. - 60w max.)

LAMPING: 10w lamps: 1-6
20w lamps: 1-3

DIMMING: Dimmable using minimum 2 x 10w lamps or 1 x 20w lamp using low voltage electronic and trailing edge dimmers only.

NOTES: Auto stop protected
Class 2 power unit
Electronic transformer for xenon lamps only

DIMENSION: 117mm (4.5") x 36mm (1.4") x 16mm (0.6")

DESIGNATION:   
   
 

XENON

Transformers

PRODUCT SPECIFICATION

For additional assistance, please contact Bocci:

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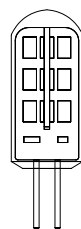
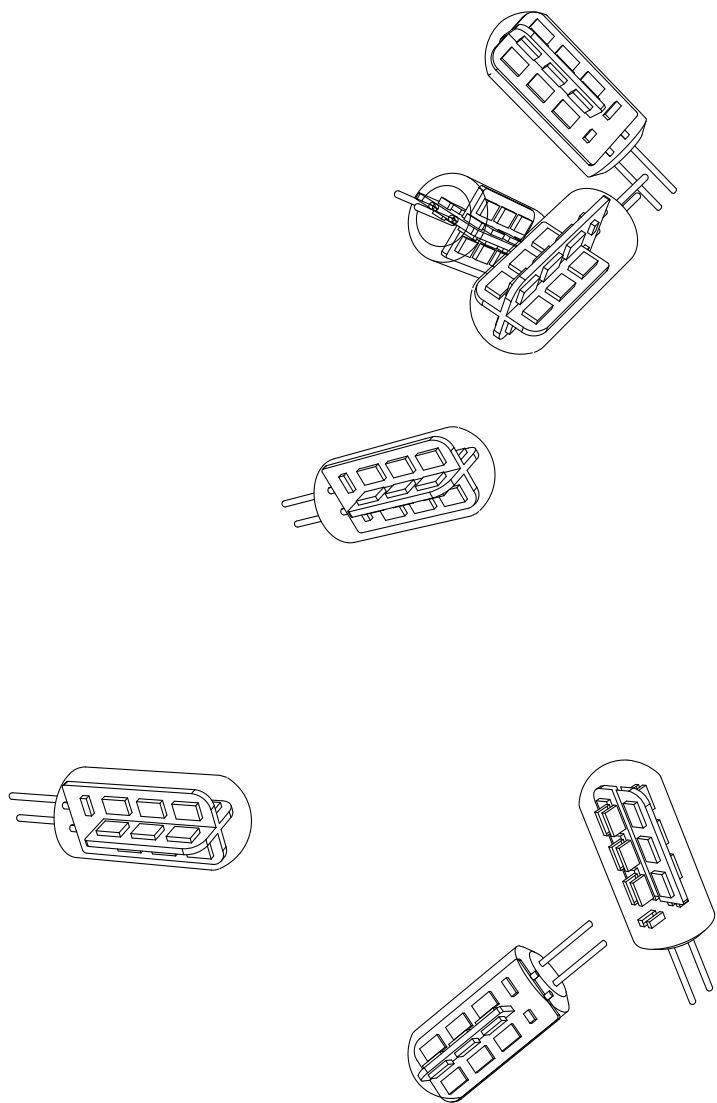
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BOCCI

LED

1.8W

Design by Omer Arbel
PRODUCT SPECIFICATION



38 (1.5")



12.5 (0.5")

WATTAGE: 1.8w
 COLOUR TEMPERATURE: 2600k
 CRI: 75 (100 is daylight)
 LIGHT OUTPUT: 142 lumens
 EFFICIENCY: 60 lm/w
 LAMP LIFE: 25,000 hours

DESCRIPTION

The Bocci 1.8w LED lamping option offers a longer-life, energy efficient alternative to typical halogen or xenon lamps. This proprietary and worldwide patent pending design utilizes Bocci's standard G4 lamp holder (9.1mm/0.36" in diameter), which is designed to accept either the Bocci xenon lamp or the Bocci LED lamp. The possibility of dual usage allows the opportunity for existing chandeliers with xenon lamping to be retrofitted on site to LED along with the appropriate driver.

This unique replacement design is unlike typical embedded xenon fixtures as it eliminates the waste associated with catastrophic failures that leave no choice but to replace the entire fixture. When it comes time to relamp, the xenon heads may simply be replaced, as with conventional lamps. Bocci xenon lamp keeps the fixture out of landfills in the future, protects your investment and introduces a significant saving of energy.

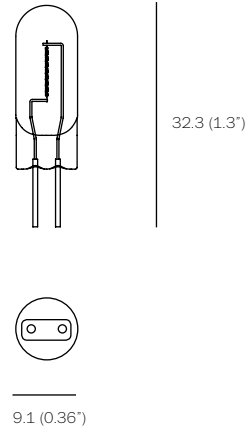
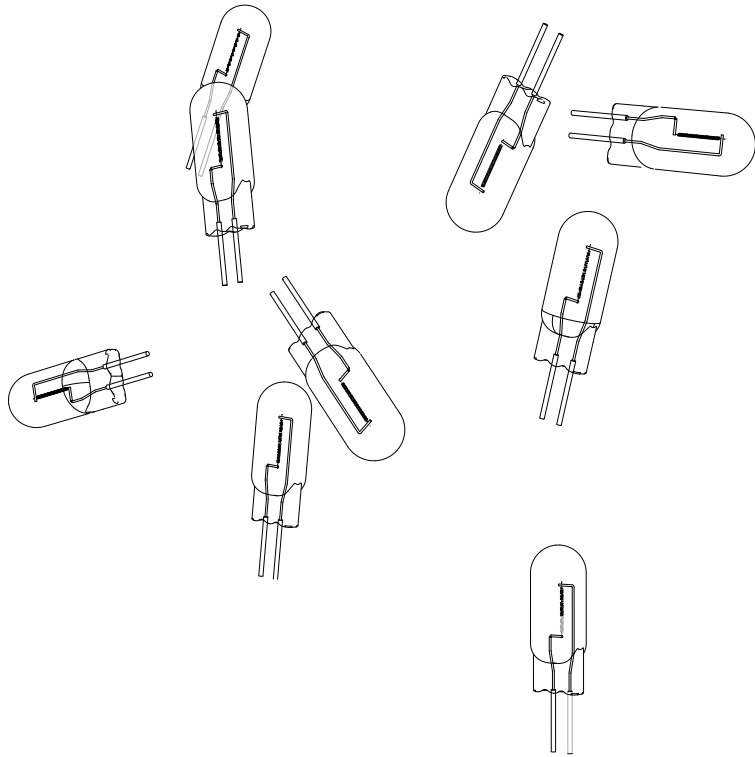
NOTES

+ Purchase replacement lamps online at www.bocci.ca/lamps

RoHS 

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www.bocci.ca



WATTAGE: 20w
 COLOUR TEMPERATURE: 2600k
 CRI: 100 (100 is daylight)
 LIGHT OUTPUT: 196 lumens
 EFFICIENCY: 19.03 lm/w
 DIMMABLE: yes
 LAMP LIFE: 20,000 hours

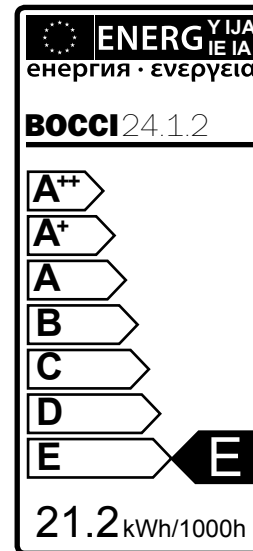
DESCRIPTION

The Bocci 20w xenon lamping option offers a longer-life, energy efficient alternative to typical halogen or xenon lamps. This proprietary and worldwide patent pending design utilizes Bocci's standard G4 lamp holder (9.1mm/0.36" in diameter), which is designed to accept either the Bocci xenon lamp or the Bocci LED lamp. The possibility of dual usage allows the opportunity for existing chandeliers with xenon lamping to be retrofitted on site to LED along with the appropriate driver.

This unique replacement design is unlike typical embedded xenon fixtures as it eliminates the waste associated with catastrophic failures that leave no choice but to replace the entire fixture. When it comes time to relamp, the xenon heads may simply be replaced, as with conventional lamps. Bocci xenon lamp keeps the fixture out of landfills in the future, protects your investment and introduces a significant saving of energy.

NOTES

- + Purchase replacement lamps online at www.bocci.ca/lamps
- + Requires electronic low-voltage, trailing edge dimmer
- + When replacing, do not touch bulb with bare hands



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XENON
20W Design by Omer Arbel
 PRODUCT SPECIFICATION