astep®

Astep ApS
Vermundsgade 40B
2100 Copenhagen
Denmark

collection 2018

**Astep strives to explore new possibilities
to advance the relationship between people and their
homes, respecting the meaning of evolution in design.**

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Timeless Inventions — Astep creates and curates meaningful design objects. Honoring the vivid tradition of Italian design, we focus on creating the New, while continuing the life of timeless works that were born from the same forward-thinking attitude and maintain a capacity to affect and enlighten our lives today.

To be innovative, one must understand and respect tradition. We combine the experience, knowledge and future-oriented outlook, that has been nurtured in the Sarfatti family for three generations, with the newest technology and likeminded, visionary designers of the present.

Candela

The Evolution of Light

Design by Francisco Gomez Paz, 2016

Continuing the long tradition of Scandinavian flame luminaires, Candela brings this classic product typology into the 21st century with the newest technology, turning the heat of a flame into electricity. It was designed by Argentinian designer Francisco Gomez Paz in a visionary collaboration with Astep. A shared passion for significant lighting solutions has led to a signature luminaire; a manifesto that addresses the evolution of design and technology. The evolution of light.

The use of fire to power LED lights simultaneously represents both the oldest and the newest form of illumination in a single product that is also environmentally friendly. Astep has developed a novel energy-harvesting system that generates electricity from the heat of the flame using the thermoelectric Seebeck effect, which was discovered by Thomas Johann Seebeck in the 19th century.

A portable and self-powered luminaire, Candela is ideal for cafés, restaurants and lounges as well as private homes as a source of warm light and a stylish power port. Due to the smokeless flame, Candela can be used both indoors and outdoors.

Candela is assembled in Italy of recyclable materials such as opalescent glass and aluminum and a variety of advanced high-temperature thermal materials and powered by bioethanol, a clean, natural and renewable fuel made from plants.

Recharge – Candela is a sustainable lighting solution and design statement that enables you to recharge your devices via a USB cable. With an internal battery that charges whenever there is a flame, Candela can charge mobile phones and tablets even when powered off. The luminaire is easily ignited with a match or lighter. A full tank contains 260 ml of bioethanol – enough for five hours of use.

Candela

Design by Francisco Gomez Paz, 2016

The Seebeck effect

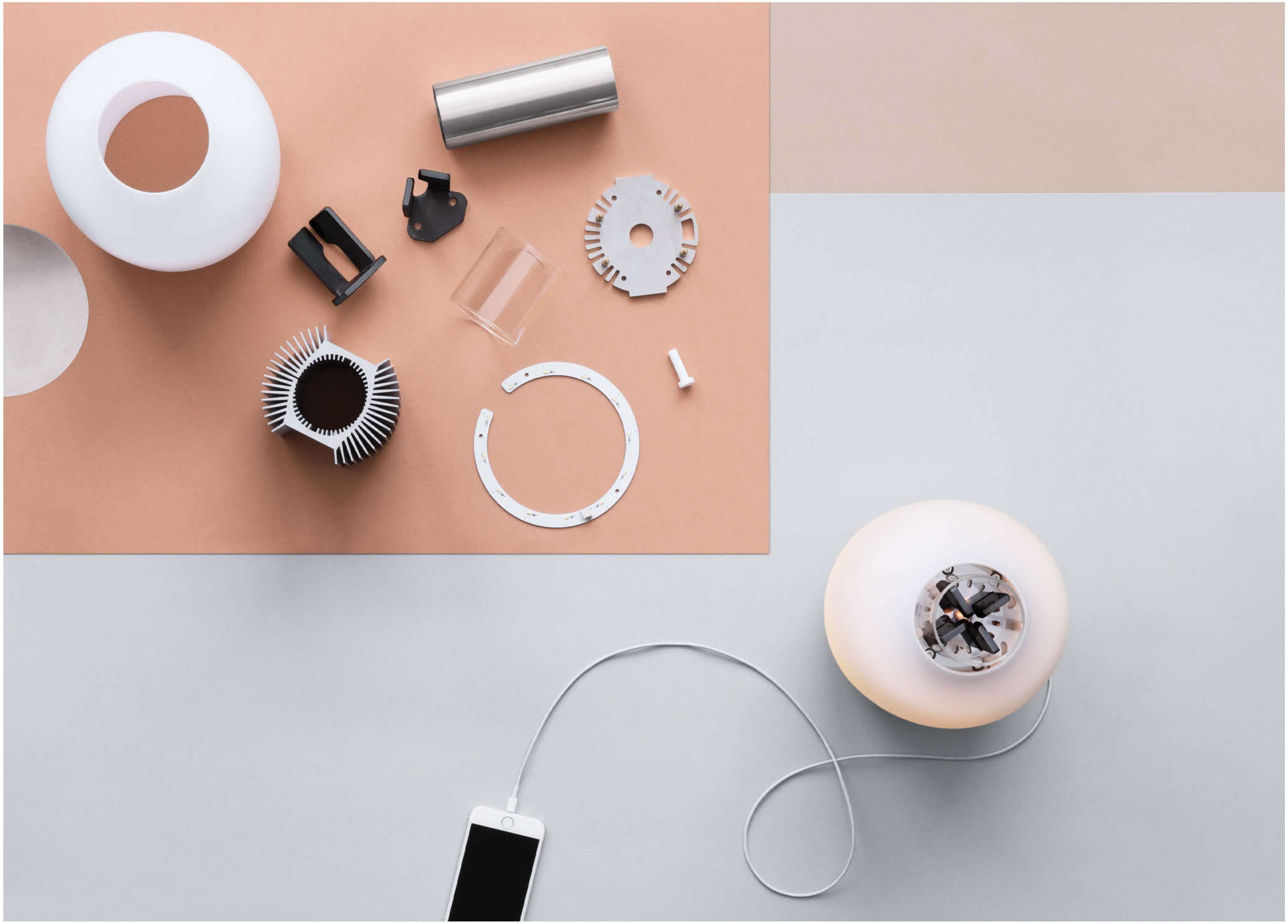
A Scientific Phenomenon

The Seebeck effect is a phenomenon discovered in the 19th century in which the temperature difference between two different electrical conductors produces a voltage difference between the two electrodes. When heat is applied to one of the two conductors, heated electrons flow toward the cooler one. If the pair is connected in an electrical circuit, direct current flows through the circuit.

Regardless of the scientific significance of this discovery, the voltages produced by the Seebeck effect are small, usually only a few microvolts per kelvin of temperature difference. If the temperature difference is big enough, some Seebeck-effect devices can produce a few millivolts. However, by combining many Seebeck-effect devices it is possible to increase the output voltage and generate a useful, albeit small amount of electricity.

Using the thermoelectric Seebeck effect, Astep has developed a novel energy-harvesting system that generates electricity from the heat of a flame. In Candela, four heat collectors working together with a large aluminum heat sink provide the necessary temperature difference to create electrical power. This generates sufficient power to provide ambient LED illumination while storing excess energy that can be used to charge a mobile phone or tablet device later, making Candela a portable and self-powered luminaire.

The Seebeck effect is named after Thomas Johann Seebeck, who discovered the phenomenon in 1821.



Nox

Nocturnal Spirit

Design by Alfredo Häberli, 2017

Nox embodies the playful and innovative energy of Alfredo Häberli in a softly beautiful portable luminaire. Named for 'night' in Latin, Nox in its very essence invites being moved around to embellish and brighten up everyday life, both indoors and outdoors.

Distinctive to Nox is its wireless charging system with induction technology, enabling this sophisticated and highly versatile lamp to be used unplugged. The luminaire is composed of four elements: a charging base, an anodized aluminium body containing the charging system, a hand-blown opaline glass diffuser and a simple handle.

Featuring a touch dimmer, Nox can provide ample light for reading and a cosy soft light when dimmed. Ideal as a bedside lamp, Nox can be picked up and carried to the garden, and with its rich materials it also seems perfectly at home on the dinner table.

Nox is Alfredo Häberli's first lamp design for Astep. The internationally established designer is known for designs that combine tradition with innovation, thus exploring a creative landscape of crafts, interaction and evolution that is equally essential to Astep.

Nox is assembled in Italy of high-quality materials such as opaline glass and aluminium and provides up to twenty hours of use when fully charged, leaving plenty of time to explore the night.

Nox can be picked up and carried to the garden, and with its rich materials it also feels perfectly at home on the dinner table.

Nox

Design by Alfredo Häberli, 2017

Distinctive to Nox is its wireless charging system with induction technology, enabling this sophisticated and highly versatile lamp to be used unplugged.

VV Cinquanta Collection

Versatile Italian Elegance

Design by Vittoriano Viganò, 1951/2017

VV Cinquanta is a versatile, timeless lighting collection by Italian architect Vittoriano Viganò with a compelling contemporary appeal. Created from an innovative, mid-century Italian design spirit and embracing the values that are at the very heart of Astep: a progressive attitude, objects invented from a wish to make an impact and design that strives to enhance our daily lives.

The original colours are as vivid as when Viganò decided on the colour scheme in 1951 during his time as art director for Arteluce. They set the tone of a versatile lighting universe that can be quiet or more dynamic. From white and black to red, yellow and blue, and from direct working light to upward lighting thanks to the master feature: the adjustable direct light source that can swivel and tilt.

Starring a sophisticated, wide reflector, VV Cinquanta comes in four models, which translate the basic design idea into four unique expressions. With respect for the origin of the design, Astep's roots and the proud artisanal and industrial traditions, the VV Cinquanta collection is made in Italy.

The floor model stands gracefully on a slender brass or black iron base.

VV Cinquanta Floor

Design by Vittoriano Viganò, 1951/2016

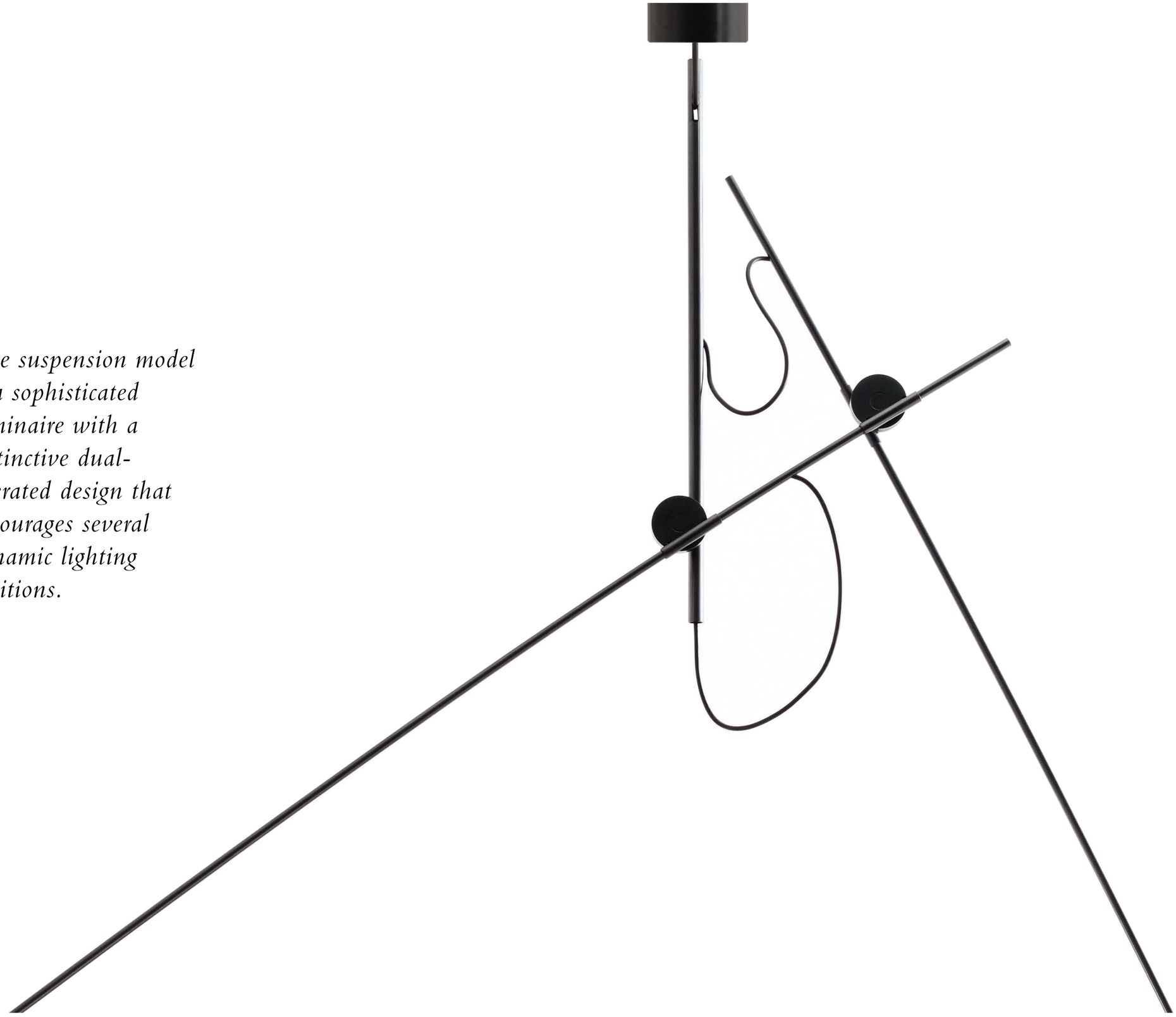
The wide reflector is mounted on an articulated stem that enables various lighting scenarios.

The wide signature reflector is combined with a narrow, almost understated reflector in a bold and intriguing companionship that makes the lamp stand out.

VV Cinquanta Suspension

Design by Vittoriano Viganò, 1951/2016

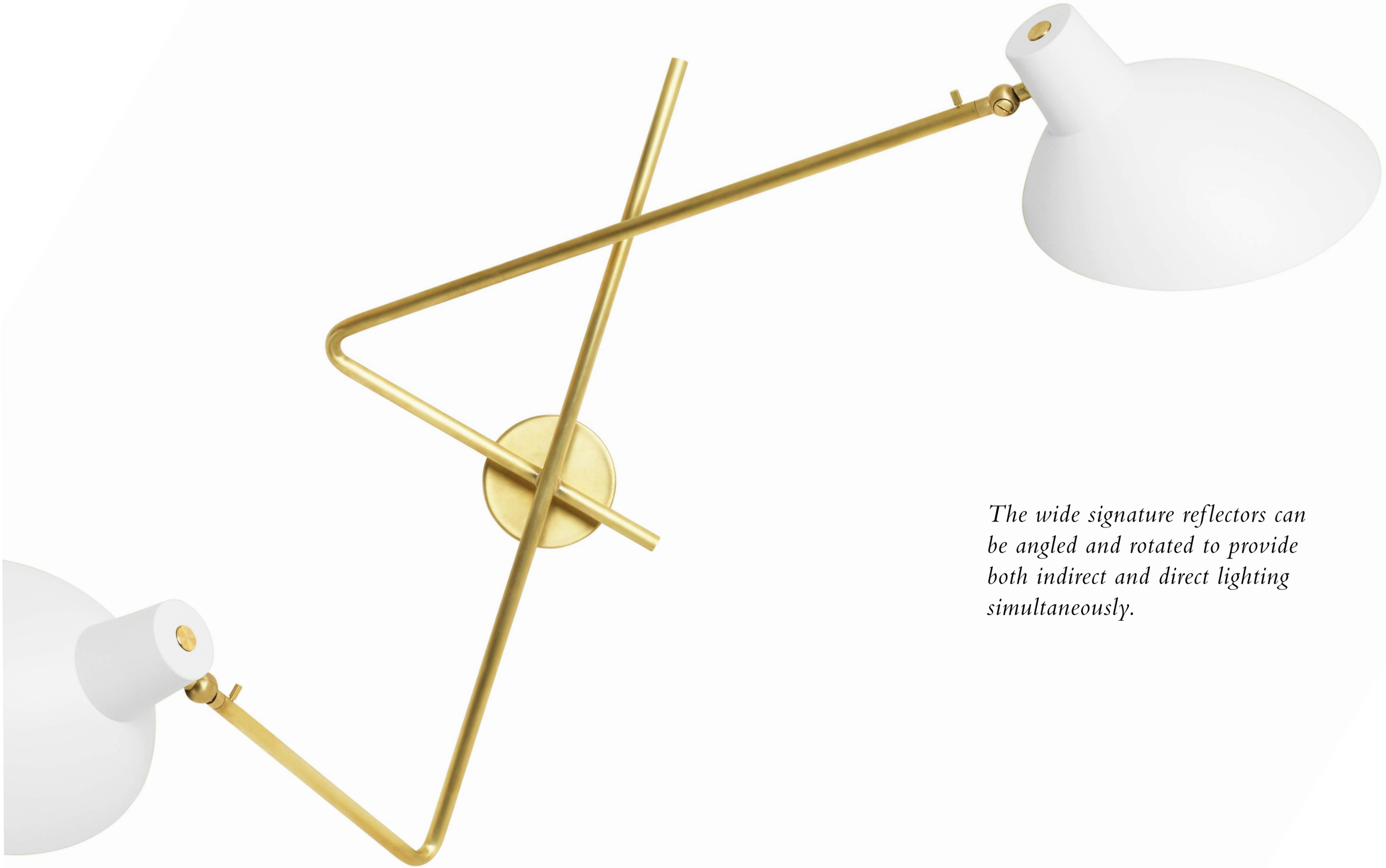
The suspension model is a sophisticated luminaire with a distinctive dual-operated design that encourages several dynamic lighting positions.



Mounted on a brass bracket, the two brass arms reach out in opposite directions. A sculptural wall lamp with multiple lighting compositions.

VV Cinquanta Twin

Design by Vittoriano Viganò, 1951/2017



The wide signature reflectors can be angled and rotated to provide both indirect and direct lighting simultaneously.

The wall model is mounted on a bracket of black aluminium or brass for a simple, yet elegant expression.

VV Cinquanta Wall

Design by Vittoriano Viganò, 1951/2016

The original colours are as vivid as when Viganò decided on the colour scheme in 1951.

The reflector itself can be angled 160 degrees and rotated 350 degrees, making the wall model an outstandingly flexible design for versatile use.

Portrait by Hasse Nielsen

Alessandro Sarfatti

A family affair

‘We must work in all directions and in each one find a small amount of innovation.’ My father used to say this, and his approach has proven to be true. As long as we continue moving towards something that is more meaningful, more substantial, more relevant, every move is valuable and deserves the same consideration and respect.

That is the very core of Astep. To me, the essence of evolution is to capture the best of what has been and let it evolve into the heart of what is to come. Thus, Astep continues on the path devised by two great entrepreneurs, my father, Riccardo Sarfatti, and my grandfather Gino Sarfatti.

A family affair — Like all good Italian tales, mine is also a family affair and began a long time ago. In 1939, my grandfather Gino Sarfatti founded Arteluce, a company that pioneered the use of design in the lighting business.

In 1978, my father Riccardo went a step further. When founding Luceplan together with my mother, Sandra Severi, and architect Paolo Rizzatto, he moved from an artisanal to a more industrial approach and devised a new business model that became synonymous with ‘Made in Italy’ quality and innovation: working with highly specialized, talented and hand-picked industrial craftsmen.

Both Arteluce and Luceplan created one icon after another, luminaires of timeless beauty that embody the meaning of evolution. At Astep, we present a careful selection of works created by the great minds of the past in combination with new inventions by the great minds of the present. A collection of objects, fluid in time, that carry on the heritage and legacy of my family.

— Alessandro Sarfatti,
founder of Astep

Designers

Portrait by FGP

Francisco Gomez Paz

Designer (born 1975)

Since 2004, Francisco Gomez Paz has had his own design studio in Milan. He was born in Argentina but moved to Italy after completing his studies in Industrial Design in Córdoba and is driven by a profound curiosity and understanding of sophisticated technologies and materials. He creates and designs in a particularly experimental hands-on creative process, striving for innovation, significance and the mysterious quality of beauty.

Francisco Gomez Paz has created furniture and lighting products for a wide range of leading design companies, among them Luceplan, with whom he has developed highly innovative and iconic lighting solutions, including the Hope chandelier, which he designed in partnership with Paolo Rizzatto.

He is also active in the field of research and education, giving lectures in Italy and abroad, and in 2000 he was appointed visiting professor at Domus Academy, a living laboratory for design, architecture and fashion in Milan. He also holds a master's degree in Design from the Domus Academy.

Francisco Gomez Pas has received several international accolades for his work, among them the Good Design Award (2010), the prestigious Compasso d'Oro (2011) and the Red Dot Award (2010 and 2016). His Solar Bottle, designed together with Alberto Meda, was awarded first prize in the Index Award (2007) and was also selected for MOMA's Study Collection.

Portrait by Till Jenninger

Alfredo Häberli

Designer (born 1964)

For many years, Zurich has been home to Alfredo Häberli and his playful design developments. Before resettling in Switzerland with his family in 1977, Alfredo grew up in Argentina, and his work is strongly influenced by his childhood experiences and native country. He works with great emotion, energy and curiosity and benefits from having a visionary mindset, a serious attitude and a keen sense of details. The result is a collected work imbued with a strong expression and inherent emotionality and beauty.

Alfredo Häberli graduated, with distinction, as an industrial designer in 1991 and effortlessly combines tradition and innovation in every aspect of his work, from product designs for leading international design companies to architectural projects such as the Camper shops in Rome, Barcelona, San Sebastian, Zurich and Paris with their diverse, evocative looks.

His most extensive project so far is 25hours Hotel Zurich West (2012), where he was responsible for the interior decoration, choosing a design that mirrors the city with more than 60 bespoke items that create an artistic, allusive atmosphere. Among Alfredo Häberli's many talents are also exhibition design, curating and scenography.

Numerous awards and honours have been granted to Alfredo Häberli, including 'Guest of Honour' at the 20th Biennale of Design in Kortrijk (2006), 'Designer of the Year' by Architektur & Wohnen magazine (2009) and the 'Swiss Grand Prix of Design' from the Swiss Federal Office of Culture (2014).

Portrait from AVVM

Vittoriano Viganò

Architect and designer (1919-1996)

Italian architect and designer Vittoriano Viganò was a multi-talent who has left a lasting impression across several fields and scales: from industrial design to architecture and from interior design to urban and landscape planning. He even excelled as a writer and art director.

Vittoriano Viganò graduated in Architecture from the Polytechnic School in Milan in 1944, and throughout his life he worked as Professor of Interior Architecture and Urban Planning parallel to his own architectural practice and other exploits. Architecture critics consider Vittoriano Viganò the most important Italian exponent of the architectural 'Brutalism' movement that flourished around the world from the 1950s to the mid 1970s.

In the 1950s, Vittoriano Viganò was art director of Arteluce, the lighting company founded by Gino Sarfatti, and designed numerous luminaires as well as the Arteluce flagship store on Via della Spiga in Milan. During these prolific years, he also designed several art galleries and took part in a number of Milan Triennale exhibitions. Owing to his eye for emerging architectural and cultural developments, Vittoriano Viganò became the Italian correspondent for 'L'Architecture d'Aujourd'hui', the renowned French journal founded by artist André Bloc.

Vittoriano Viganò was awarded the architectural prize of the President of the Italian Republic (1990) by the San Luca Academy for his continued search for the rare balance between functionality, art and nature, and in 1994, his work was exhibited at the Milan Triennale in the comprehensive retrospective on the origins of Italian industrial design; two honours that emphasize the legacy of an extraordinary architect and designer.

Technical Sheets

CANDELA

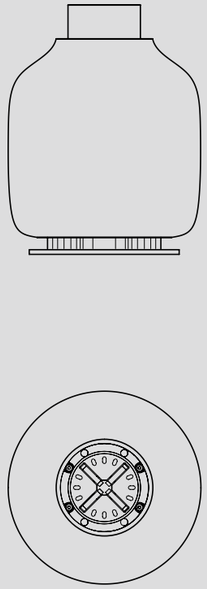
Francisco Gomez Paz, 2016

Candela continues the long tradition of Scandinavian flame luminaries by advancing the product with 21st century technology. From the heat of the flame, Candela produces its own electricity to provide cosy LED illumination, while harvesting energy to charge mobile devices.

Candela is powered by bioethanol, a renewable fuel made from plants.

Technical specifications

Typology	Portable Table Luminaire
Environment	Indoor / Outdoor
Materials	Opaline Glass, Anodized Aluminium, Alumina Wick, High-Temperature materials
Finish	· White Diffuser, Anodized Aluminium Fuel Tank
Dimensions	Ø 186 x 241 mm
Variant	· Light & Charge, Ca. 1,5W LED, 2200 K Battery Capacity, 3400 mAh USB Type A Port · Light Only, Ca. 3W LED, 2200 K
Fuel Type	Bioethanol
Fuel Capacity	260 ml (5 Hours)



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NOX

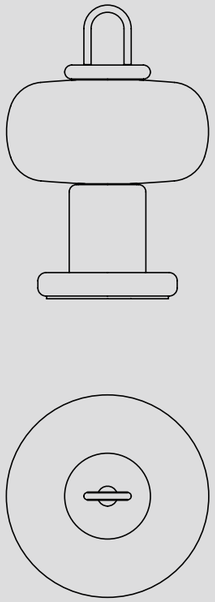
Alfredo Häberli, 2017

Nox is composed of four elements: a charging base, an anodized aluminium body containing the charging system, a hand-blown opaline glass diffuser and a simple handle. Distinctive to Nox is its wireless charging system with induction technology, enabling this sophisticated and highly versatile lamp to be used unplugged. Featuring a touch dimmer, Nox can provide ample light for reading and a cosy soft light when dimmed.

Nox is assembled in Italy of high-quality materials and provides more than fifteen hours of use when fully charged.

Technical specifications

Typology	Portable Table Luminaire
Environment	Indoor
Materials	Opaline Glass Diffuser, Aluminium Body
Finish	· Bronze · Champagne · Silver · Graphite
Dimensions	Ø 224 x 305 mm (325 mm w charging base)
Light Source	5W LED, 2700 K, 400 lm, CRI 85
Control	Touch dimmer
Duration	20 Hours, Wireless Induction Charging Technology



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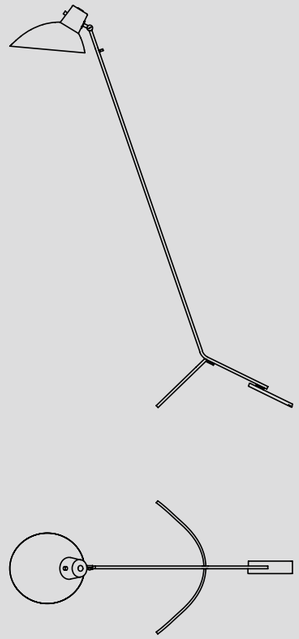
VV CINQUANTA — FLOOR

Vittoriano Viganò, 1951/2016

The floor model stands gracefully on a slender black iron base. The wide reflector is mounted on an articulated stem that enables various lighting scenarios. As a particular feature, the floor model is available in a version decorated with Mondrian primary colours.

Technical specifications

Typology	Floor-standing Luminaire
Environment	Indoor
Materials	Spun Aluminium Reflector, Steel or Brass Frame
Finishes	· Black Frame with Colored Reflector: Black, White, Red, Yellow or Blue · Mondrian: Black Stem, Red and Blue Legs, Yellow Reflector · Brass Frame with Colored Reflector: Black or White
Dimensions	487 x 1470 x 1035 mm (WxHxD)
Light Source	E27 — 1 x max 53W
Control	On/Off Switch



IP20

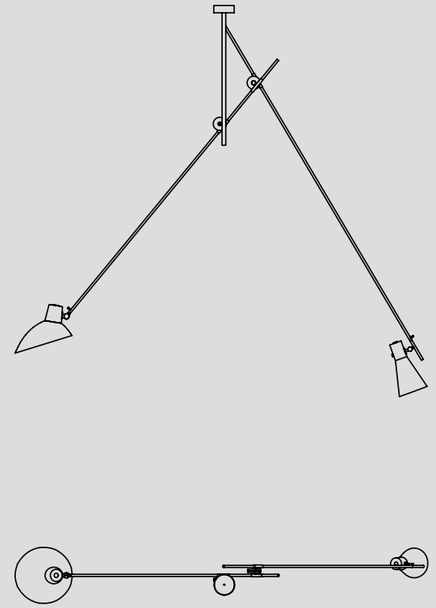
VV CINQUANTA — SUSPENSION

Vittoriano Viganò, 1951/2016

The suspension model is a sophisticated luminaire with a distinctive dual-operated design that encourages several dynamic lighting positions. The wide signature reflector is combined with a narrow, almost understated reflector in a bold and intriguing companionship that makes the lamp stand out.

Technical specifications

Typology	Suspension Luminaire
Environment	Indoor
Materials	Spun Aluminium Reflectors, Steel or Brass Structure
Finishes	· Black Structure with Black Reflectors · Black Structure with Black and White Reflectors · Black Structure with Black and Red Reflectors · Mondrian: Black and Red Structure, Blue and Yellow Reflector · Brass Structure with Black Reflectors · Brass Structure with Black and White Reflectors
Dimensions	1900 x 1800 x 256 mm (WxHxD)
Light Source	E27 — 2 x max 53W
Control	On/Off Switch



IP20

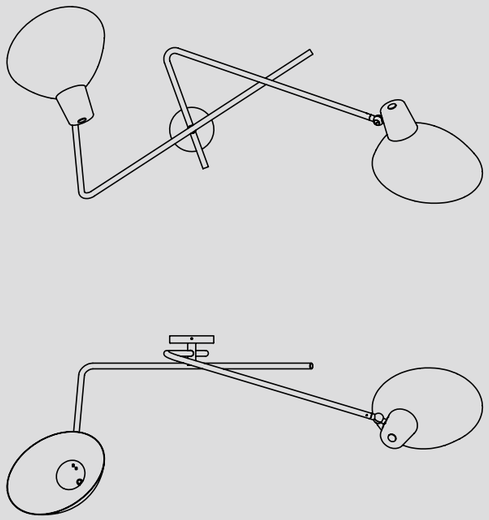
VV CINQUANTA — TWIN

Vittoriano Viganò, 1951/2017

The twin model is an elegant two-armed wall light. Mounted on a brass bracket, the two brass arms reach out in opposite directions. The two wide signature reflectors can be angled and rotated to provide both indirect and direct lighting simultaneously. A sculptural wall lamp with multiple lighting compositions.

Technical specifications

Typology	Wall-mounted Luminaire
Environment	Indoor
Materials	Spun Aluminium Reflectors, Brass Structure
Finishes	· Brass Structure with Black Painted Reflectors · Brass Structure with White Painted Reflectors
Dimensions	1130 x 524 x 538 mm (WxHxD)
Light Source	E27 — 2 x max 53W



IP20

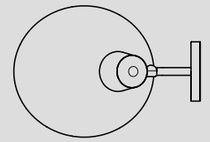
VV CINQUANTA — WALL

Vittoriano Viganò, 1951/2016

The wall model is stylishly mounted on a bracket of brass or black aluminium for a simple, yet elegant expression. The reflector itself can be angled 160 degrees and rotated 350 degrees, making the wall model an outstandingly flexible design for versatile use.

Technical specifications

Typology	Wall-Mounted Luminaire
Environment	Indoor
Materials	Spun Aluminium Reflector, Brass Mount
Finishes	· Brass Mount with Painted Reflector: Black or White · Black Mount with Painted Reflector: Black, White, Red, Yellow or Blue
Dimensions	256 x 183 x 364 mm (WxHxD)
Light Source	E27 — 1 x max 53W
Control	Available with On/Off Switch



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Flos with Sarfatti

Astep is the sole worldwide distributor of the Flos with Sarfatti collection.

The collection is a tribute to Gino Sarfatti, the leading Italian master of lighting design, who had designed over 600 fixtures between 1939 and 1973.

The collection is created in collaboration between the lighting companies Astep and Flos

Contact us for more information about the Flos with Sarfatti collection or visit our website www.astep.design

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