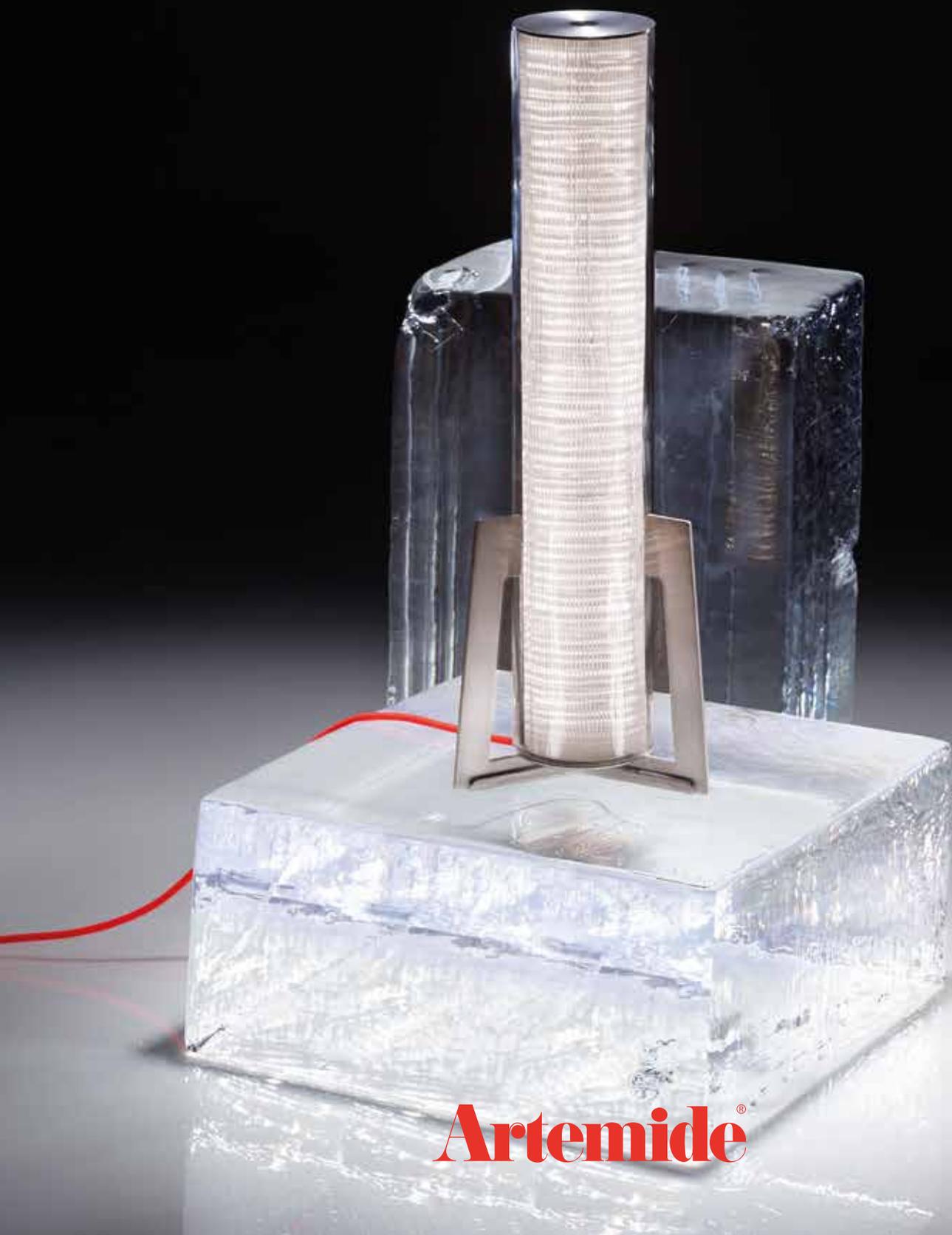


Criosfera

Giulia Foscari UNA/UNLESS



Artemide[®]

Author

Giulia Foscari

UNA / UNLESS

UNA / UNLESS is an interdisciplinary studio founded by Giulia Foscari, architect, curator and activist who has been practising in Europe, Asia and the Americas. Based in Venice, Italy, UNA is an architecture office focussed on cultural projects, and its alter ego UNLESS is a non-profit agency for change devoted to transnational research on Global Commons.

Recent projects by UNA / UNLESS include the Anish Kapoor Foundation and Antarctic Resolution, a call to action operating within the realms of the environment, politics and technology that was awarded the S+T+ARTS Grand Prize by the European Commission. Alongside directing UNA / UNLESS, Giulia Foscari is a member of the Council of the Museum of Modern Art (MoMA), and a board member of the Fondazione Musei Civici di Venezia (MuVE) and of the Antarctic Southern Ocean Coalition (ASOC). Giulia worked extensively with Rem Koolhaas (OMA/AMO), collaborated with Zaha Hadid, taught at Hong Kong University and the Architectural Association in London where she ran a Diploma Unit, and authored award-winning Elements of Venice (Lars Müller Publishers, 2014).



Crisofera

Giulia Foscari
UNA / UNLESS
2024

“Criosfera, the cryosphere, encompasses all components of the Earth System that are frozen. 90% of such ice is in Antarctica. That same ice is the largest repository of data on our climate history. It is a time capsule that enables scientists to trace the climatic history of our planet, extracting from captive air bubbles trends of CO₂, greenhouse gasses and temperature from past glacial and interglacial eras.

The quintessential marker of climate change is thus the Ice Core, a cylinder of stratified ice extracted from the depths of our planet's ice sheets. The Ice Core thus becomes the element that creates awareness and calls to action. Abandoning its frozen form, the Ice Core of Criosfera consists of a layering of blown recycled glass with an optic core that learns from the refractive nature of the ice surface of the Antarctic plateau to maximise the diffusion of light, and evokes the stratification of the polar ice.”

Criosfera is therefore a synthesis of optical, material and scientific knowledge which translates into a manifesto of values between the present and the future.

The external blown glass cylinder is the structure inside which the optoelectronic engine disappears without visible shadows. Its limits and its uniqueness are linked to the craftsmanship. Engravings are impressed into the hot glass before blowing and makes its thickness wavy and irregular.

It contains the measured perfection of optical extrusion whose section diffuses the light without making the sources inside visible.

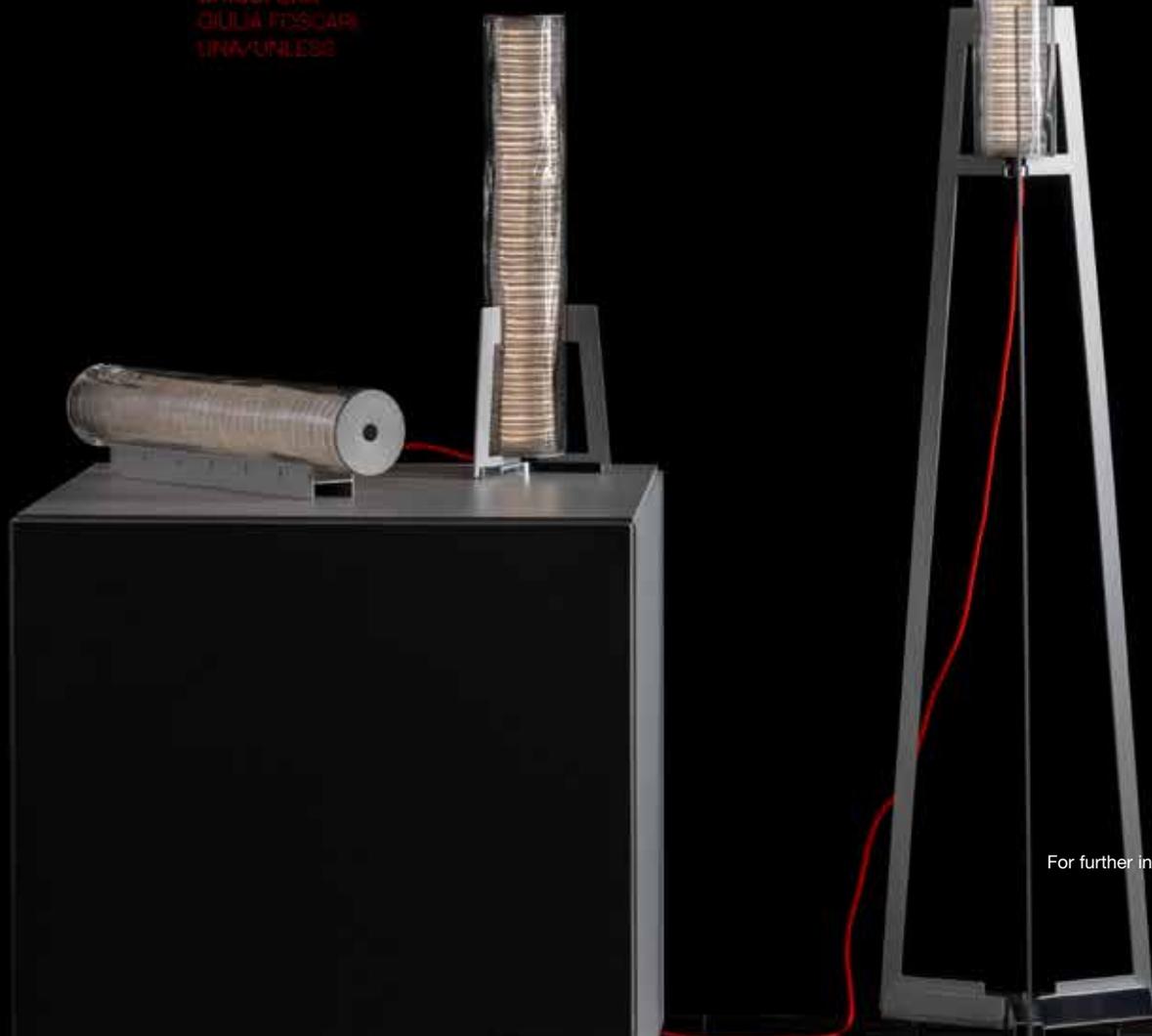
This element fits into the space with three different essential structures, which refer to the scientific instruments used to extract and analyze ice cores. They are composed of surfaces made with laser cutting, a technology that optimizes the use of materials.

PATENT OF
INVENTION

GIULIA FOSCARI

UNA/UNLESS

CRIOSFERA
GIULIA FOSCARI
UNA/UNLESS



For further information on Criosfera
visit artemide.com





“Criosfera is not “just” a light. It is a resolution, a manifesto of our times. One that is imbued with optimism that we will, individually and collectively, defend intergenerational justice. Lights on. It’s action time.”

Giulia Foscari



CO₂ markers

The markers engraved on the structures indicate the CO₂ levels that correspond to each section of the ice core. Pre-industrial data, simply scored on the tools, proved to be within norm in the past 800,000 years. The values of CO₂ recorded in ice stratified post-industrialisation, engraved in orange, reflect the state of planetary instability and inequality induced by anthropogenic climate crisis.

The unprecedented high value of CO₂ recorded in 2024 of 422 ppm stands as an ultimatum that we shall, as humanity, urgently decarbonise to retain the global temperature below the 1.5 degrees Celsius set by the Paris Agreement and safeguard life on Planet Earth for all species.





Light performance

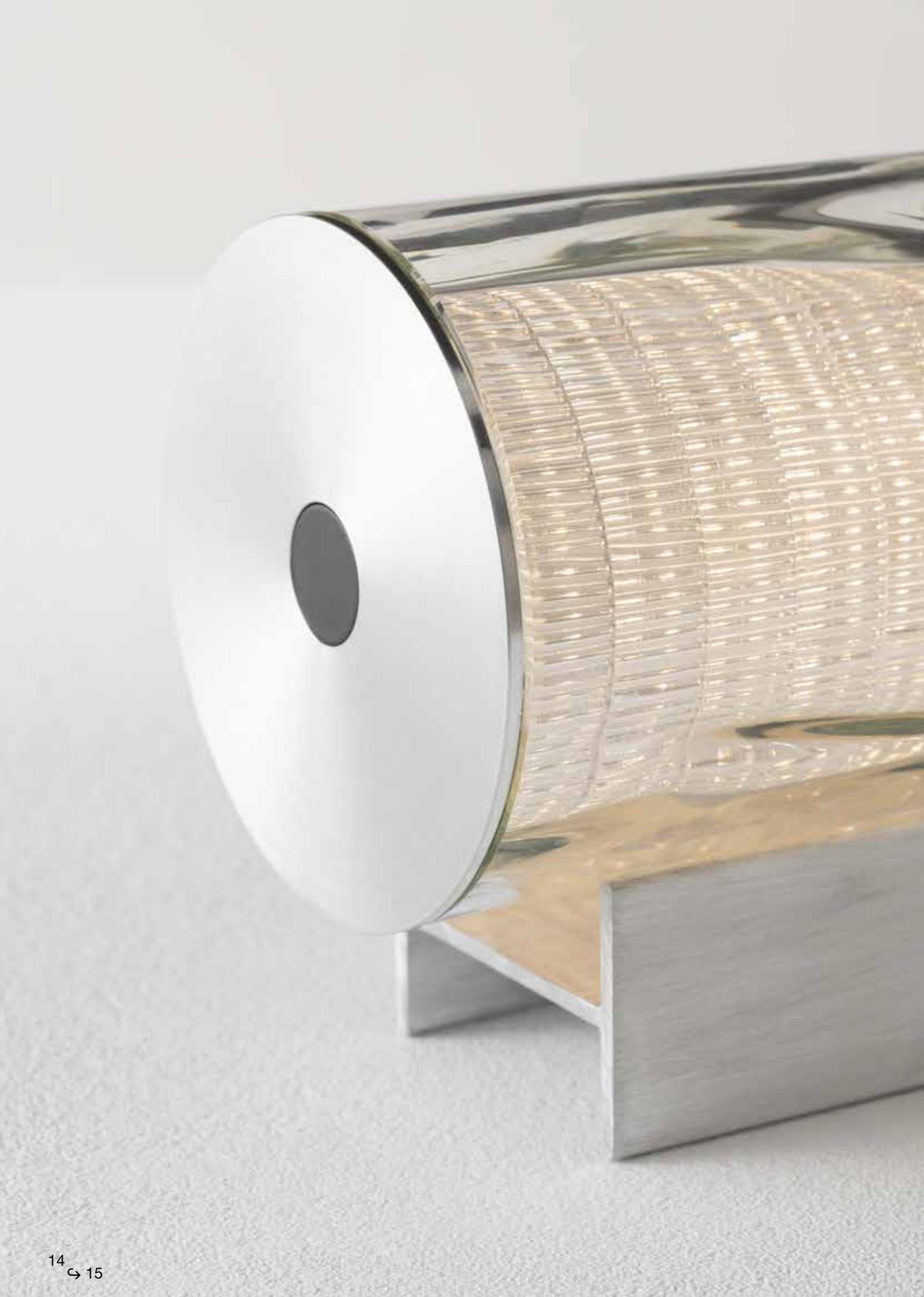
92%
High efficiency

120 lm/W
High efficacy

Extended light emitting surface
With low luminance (4000 cd/m²)







Criosfera table horizontal





Criosfera table vertical



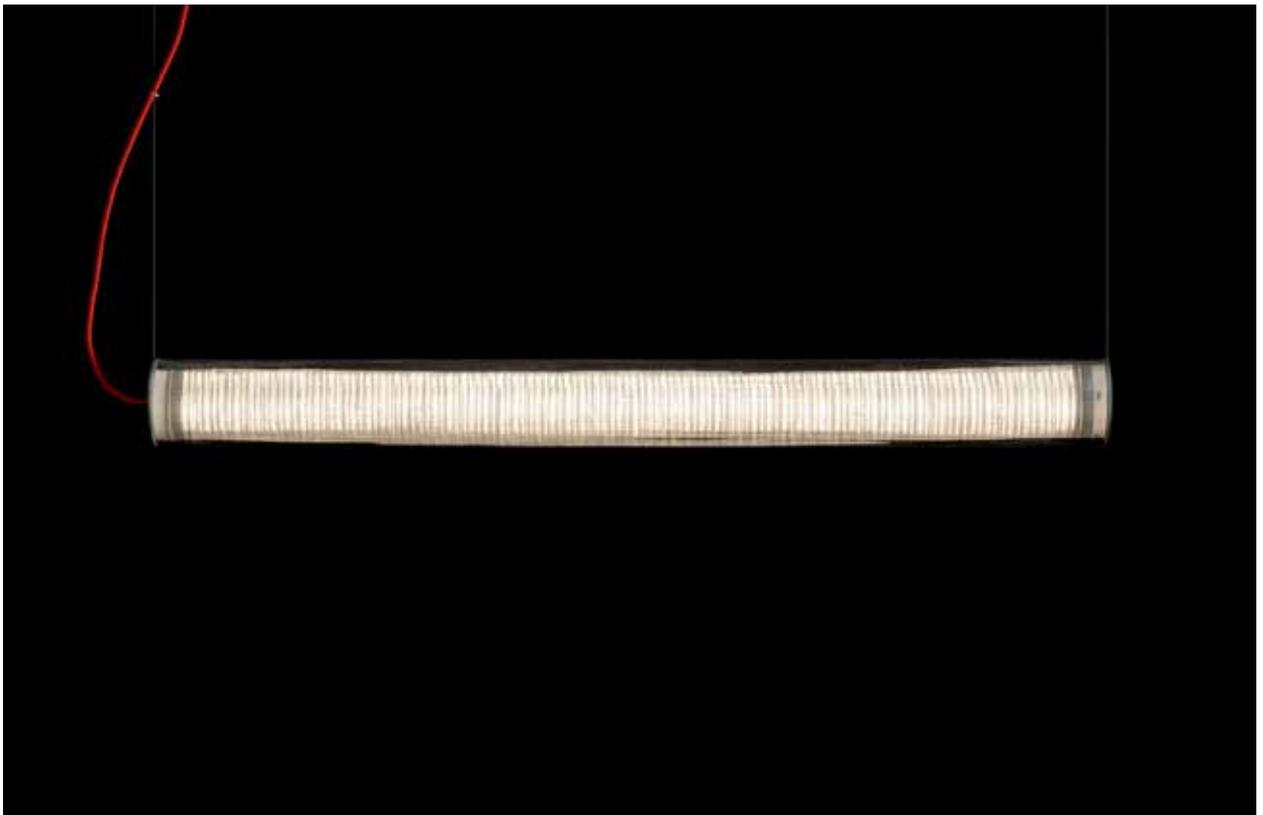


Criosfera floor





Criosfera suspension horizontal

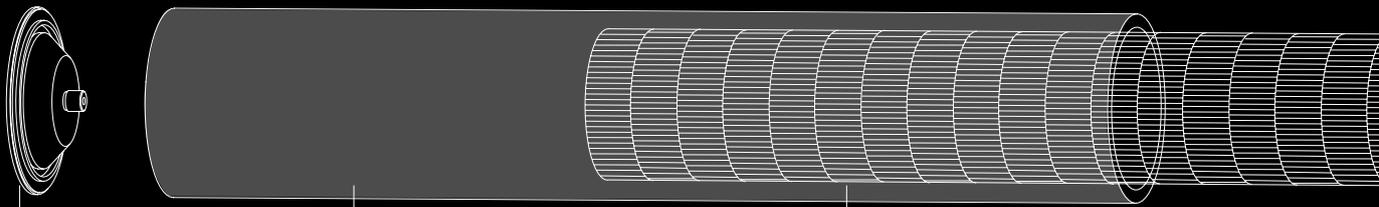




Criosfera suspension vertical



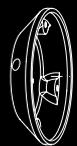
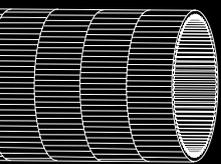
Criosfera body light structure



End cap

Blown glass Diffuser

PMMA Optics



LED Strip 3x120°

PMMA Optics

End cap

Criosfera

Materials body lamp: aluminum, transparent PMMA, blown glass.

Materials base: zama aluminum, brushed steel.

Criosfera Table/Floor

Power: 17W

Luminous Flux: 2022 lm

CCT: 3000K

CRI=90

Criosfera Suspension

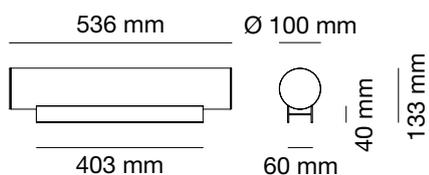
Power: 22W

Luminous Flux: 2900 lm

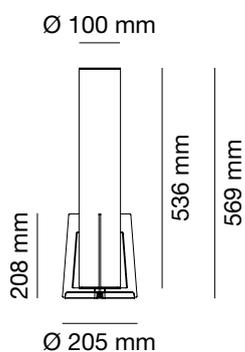
CCT: 3000K

CRI=90

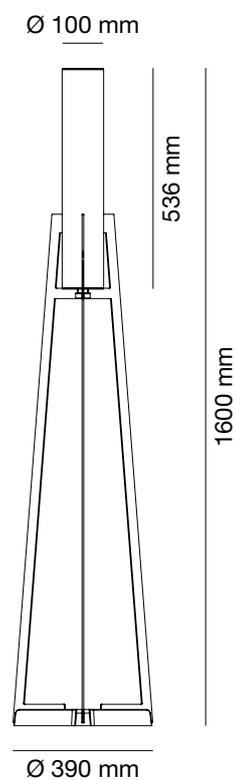
Criosfera Table Horizontal



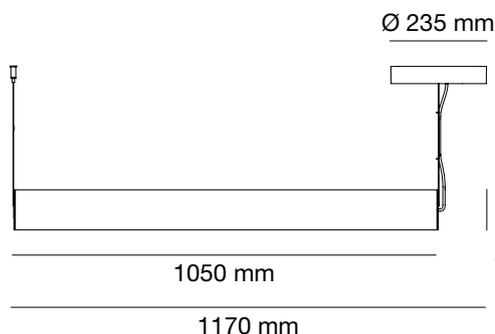
Criosfera Table Vertical



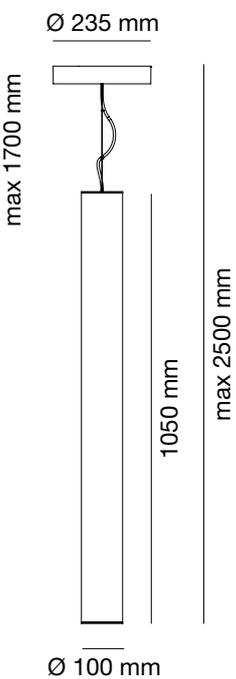
Criosfera Floor



Criosfera Suspension Horizontal



Criosfera Suspension Vertical



CRIOSFERA TABLE HORIZONTAL

		Code
base table horizontal		1827010A
body lamp	2700K	1829W10A
	3000K	1829010A

CRIOSFERA TABLE VERTICAL

		Code
base table vertical		1826010A
body lamp	2700K	1829010A
	3000K	1829W10A

CRIOSFERA FLOOR

		Code
base floor		1828010A
body lamp	2700K	1829010A
	3000K	1829W10A

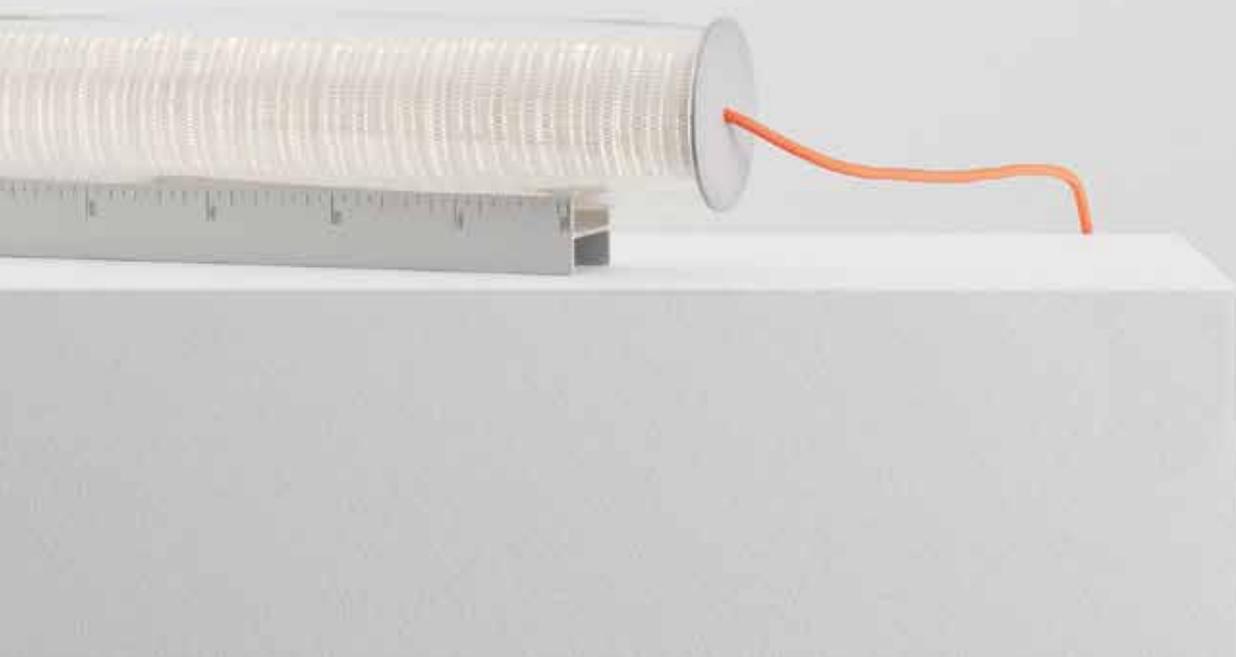
CRIOSFERA SUSPENSION HORIZONTAL

		DALI&PUSH	APP
		Code	Code
	2700K	1892W10A	1894W10APP
	3000K	1892010A	1894010APP

CRIOSFERA SUSPENSION VERTICAL

		DALI&PUSH	APP
		Code	Code
	2700K	1891W10A	1893W10APP
	3000K	1891010A	1893010APP









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