



Funivia

by

Carlotta de Bevilacqua

Artemide[®]

funivia

Funivia

Carlotta de Bevilacqua
2020



Funivia is a functional network of tangible and intangible relations that is free and inclusive and can evolve through the cooperation of its elements.

It starts out from the essential, with a “mountaineering” spirit, discovering a new level of freedom of light in spaces. A rope, the cable that supplies energy, and the nails, the elements used to fix within space, form the basis to make great progress, going far beyond the limits dictated by the rigidity of standard systems.

- PATENT OF INVENTION: ENERGETIC AND INTELLIGENT NET
- PATENT OF INVENTION: SHARP

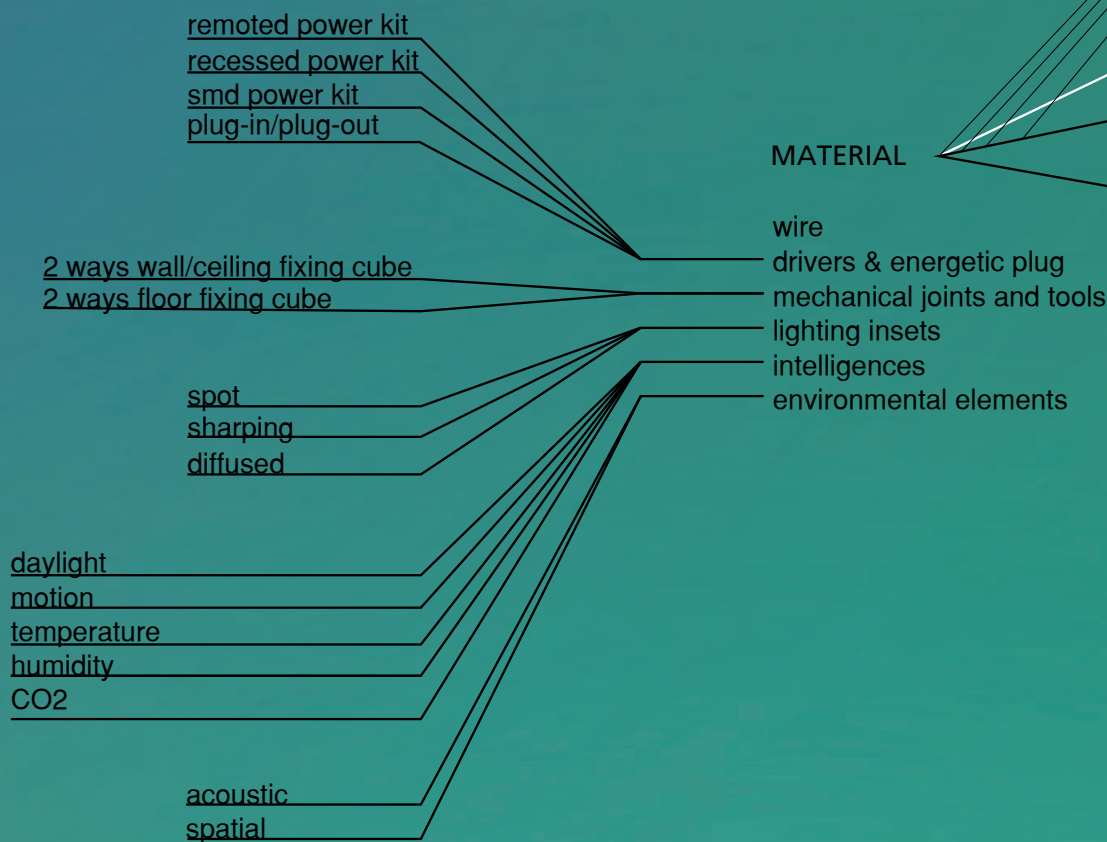


For further information on Funivia
↪ visit [artemide.net](https://www.artemide.net)

IN-CLUSION
as SYSTEMIC THINKING

creativity and innovation to
generate a Systemic Evolu-
tion

ENERGETIC
UNIVERSAL
IN-FRASTRUCTURE



SPATIAL

Funivia is an applied systemic principle



ENERGETIC

IMMATERIAL

in-teraction
in-clusion
in-terferences
in-telligence

ECOLOGICAL

LIVING NETWORK
to generate
new MEANINGS

MAPPING
QUALITIES &
PROPERTIES

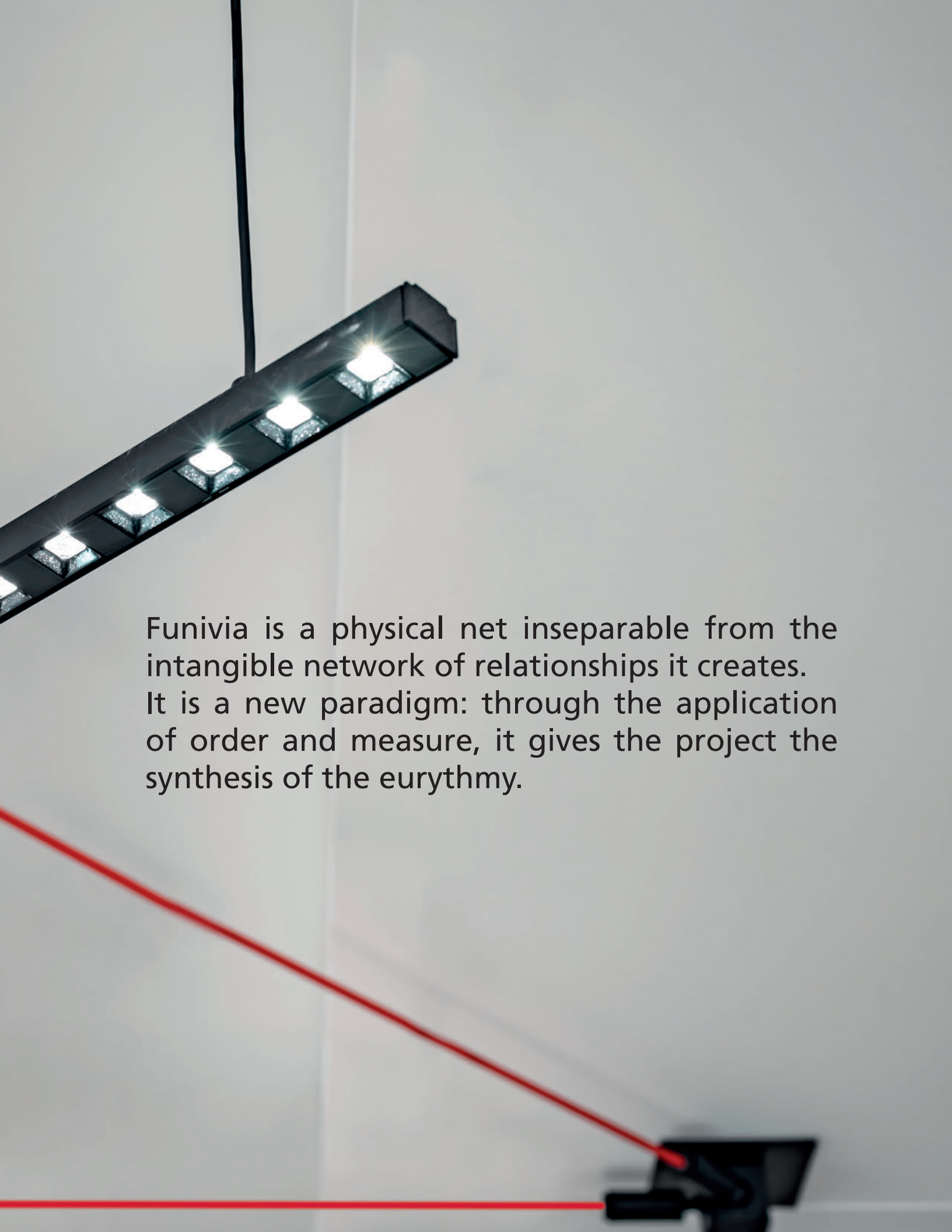
sharing of know-how
spatial freedom beyond architecture
flexibility in layout over time
transversality in application fields
lighting comfort in each space
easy managing
environmental qualities
cost saving
flat pack

MEASURING
QUANTITIES &
PARAMETERS

wire length
wire max mechanical load 200 kg
wire mechanical resistance
wire pull resistance
wire weight
max energetic load 320W
insets power
insets weight
insets lighting performance

COMMUNICATIVE





Funivia is a physical net inseparable from the intangible network of relationships it creates. It is a new paradigm: through the application of order and measure, it gives the project the synthesis of the eurythmy.

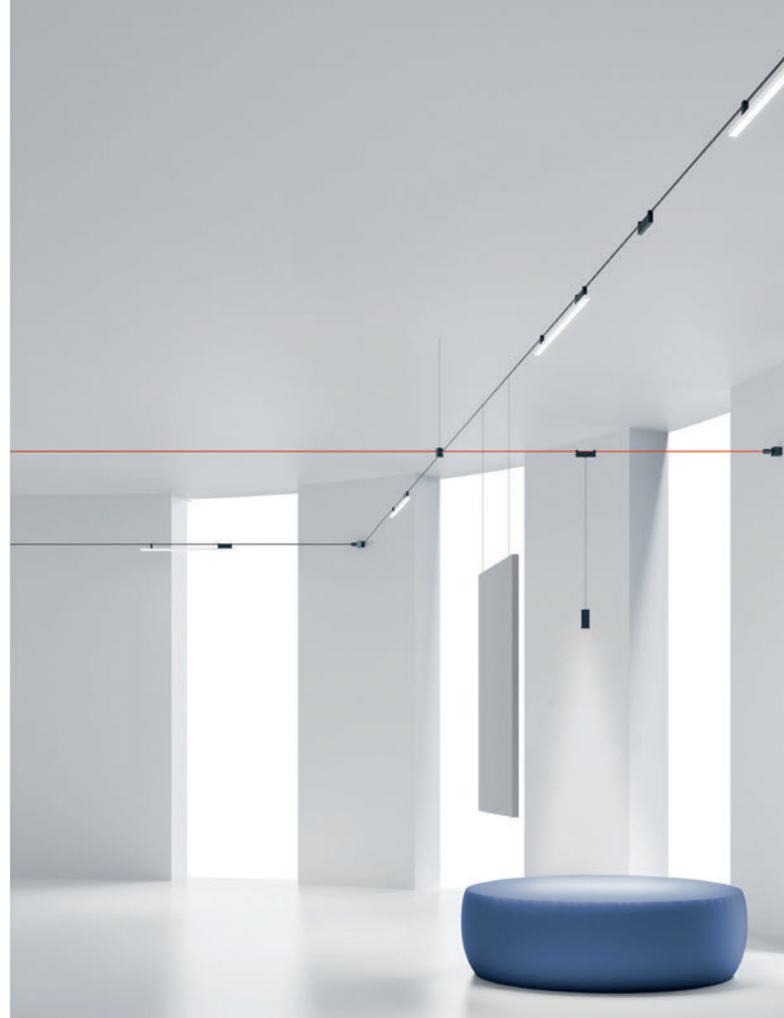


01 BEYOND FREEDOM

- SPACE: The cable runs uninterruptedly through space, overcoming the limits of the three dimensions. Draw infrastructural trajectories according to Cartesian geometries.
- TIME: can fit into the space at any time. It is an open system: integrable, incremental and scalable.
- ENERGY: From a single power point can run endlessly. It weaves energy plots without limits of distance but only of power.

02 NEVERENDING MATERIAL + IMMATERIAL MESHWORK

- The physical network responds to quantities, measure and constraints calculated to ensure balance of the system. The compensation between forces and loads translates a proportional rhythm between the laws of gravity, static and dynamics.
- The network of environmental qualities generated shifts physical measure into quality of life.



03 UNIVERSAL INCLUSIVITY

The light elements are connected to the cable via a “bridge” element, a sort of electricity connection that mechanically fixes the appliance and takes the energy from the cable to power it.

The system is inclusive, housing products that already exist; the cable connection module is a universal system that translates energy into a “Esperanto” of light.

04 SUSTAINABILITY

In Funivia, innovation is a sustainable dialogue that overcomes the limits of all spaces.

It is a principle that is sustainable on a production level, in distribution, installation, consumption, use and the integration of existing elements, without necessarily having to create additional new products.

Funivia breaks a common scheme to existing lighting systems, relegating the rigidity of fixed modules (in space, stock and production) to a thing of the past.



Funivia is powered
at 48 Vdc

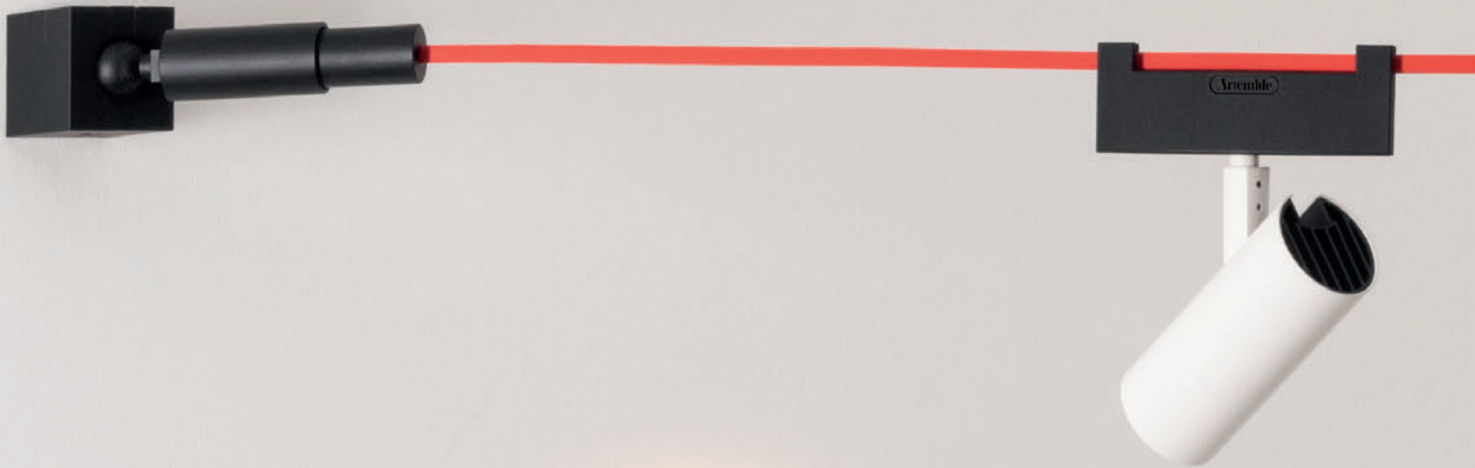


Funivia infrastructure

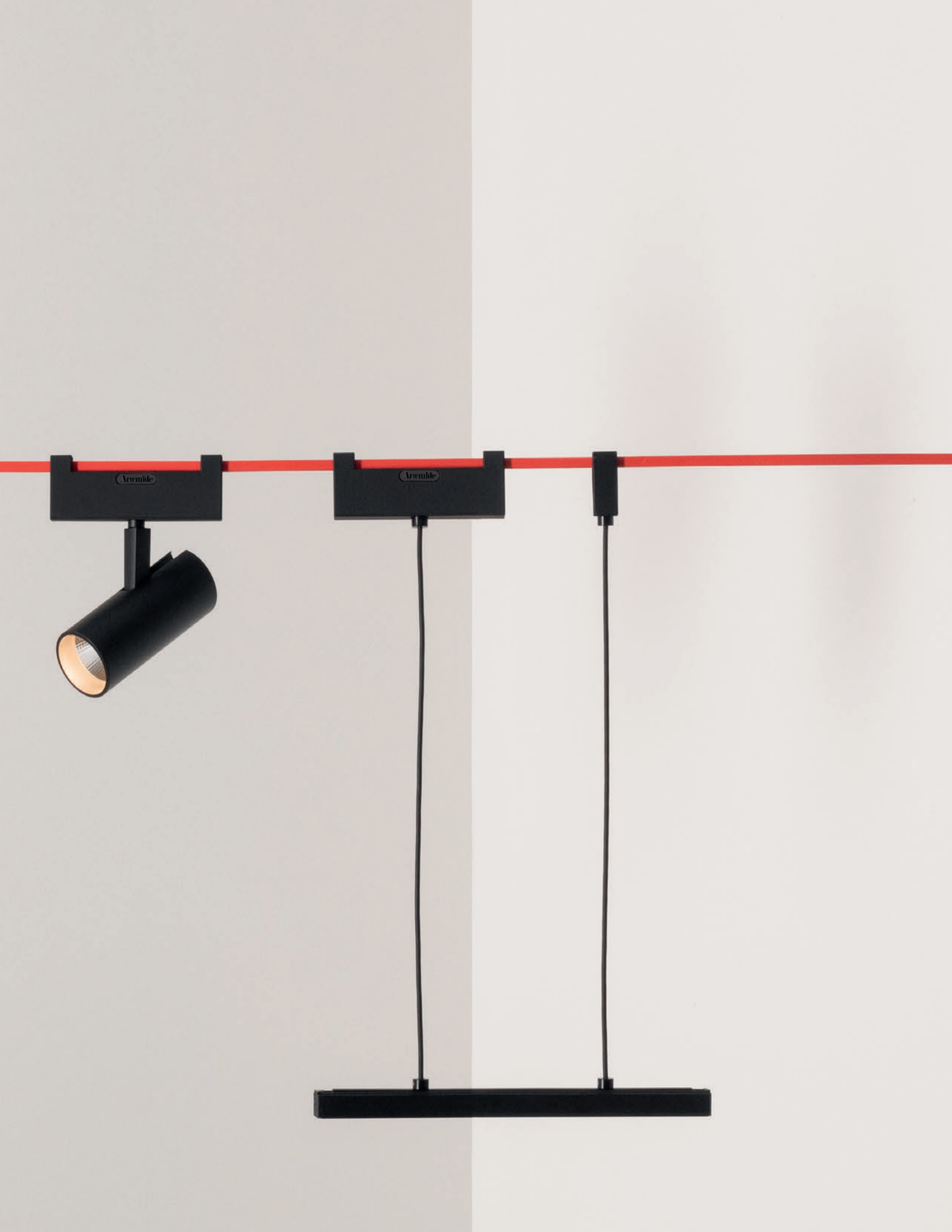




Energetic and intelligent net



The cable, with a special minimum section that can withstand mechanical tension and thermal stress, is the channel that distributes the system's energy and the key element the lighting appliances connect to.



Artemide

Artemide

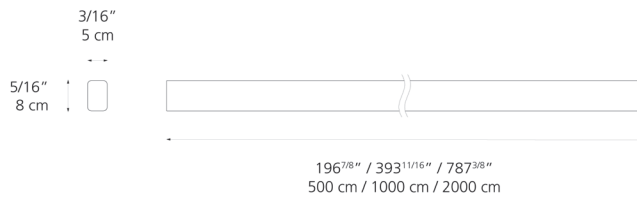
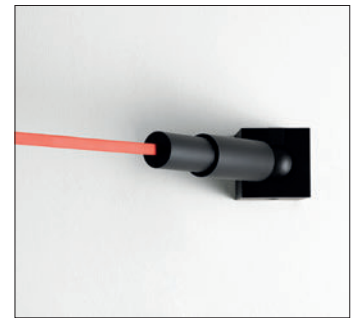
Energetic and intelligent net

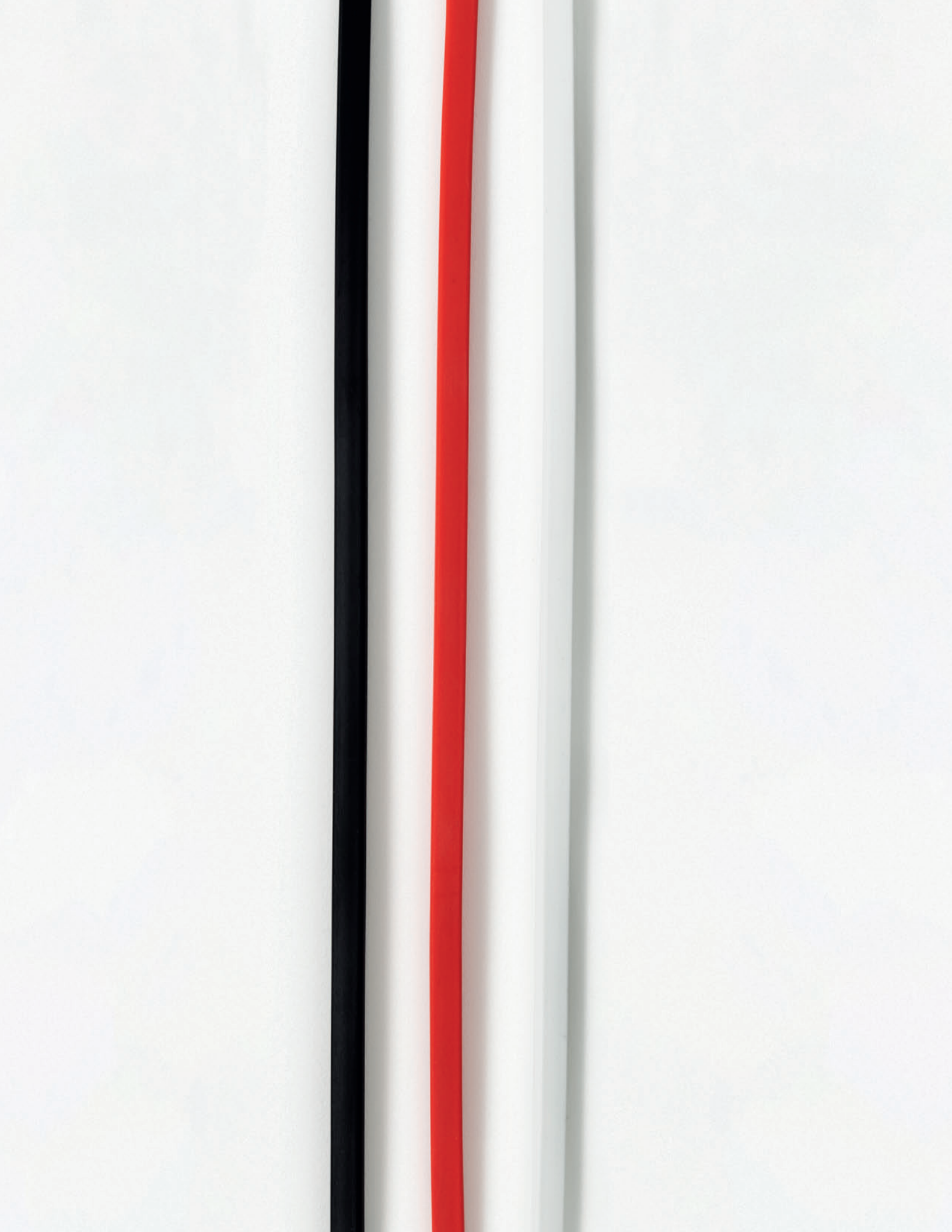
Cable reinforced with aramid fiber*

Length	Color
16 ft	○
	●
	●
32 ft	○
	●
	●
65 ft	○
	●
	●

Code
FV000018
FV000048
FV000088
FV001018
FV001048
FV001088
FV002018
FV002048
FV002088

* Dedicated tool Funivia key included.





Mechanical joints

Cube

Dimension

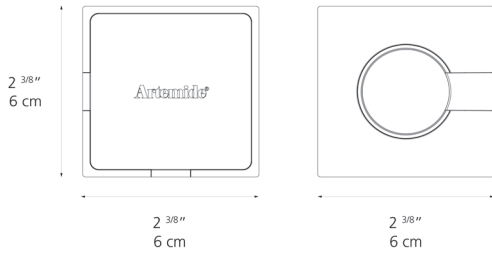
2 3/8" x 2 3/8" h 2 3/8"

C



Code

FV01004



Tensioner

Dimension

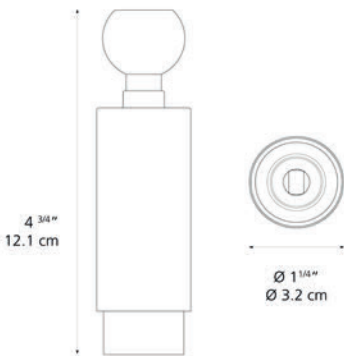
2 3/8" x 2 3/8" h 2 3/8"

C



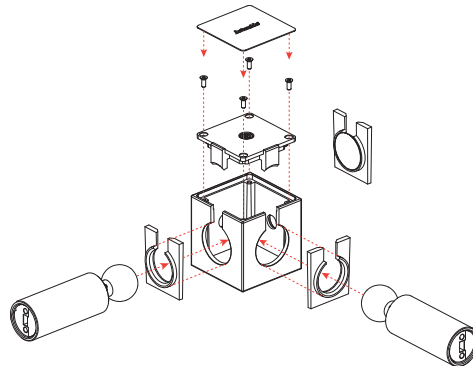
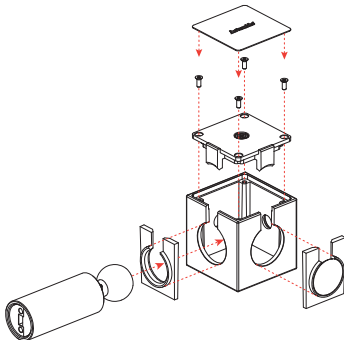
Code

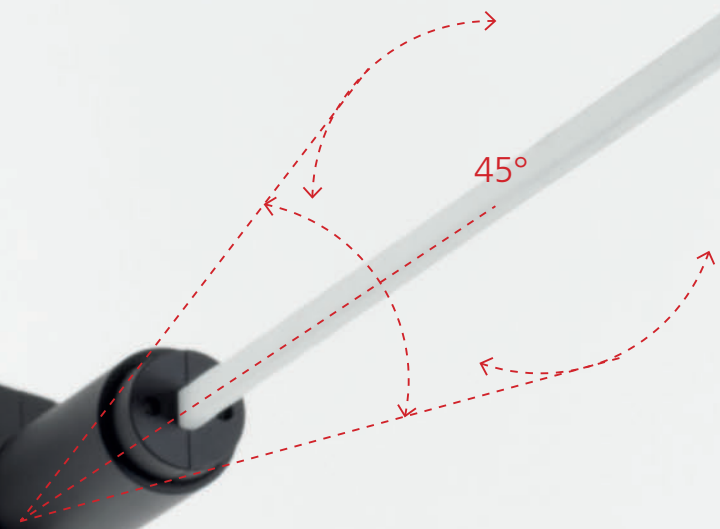
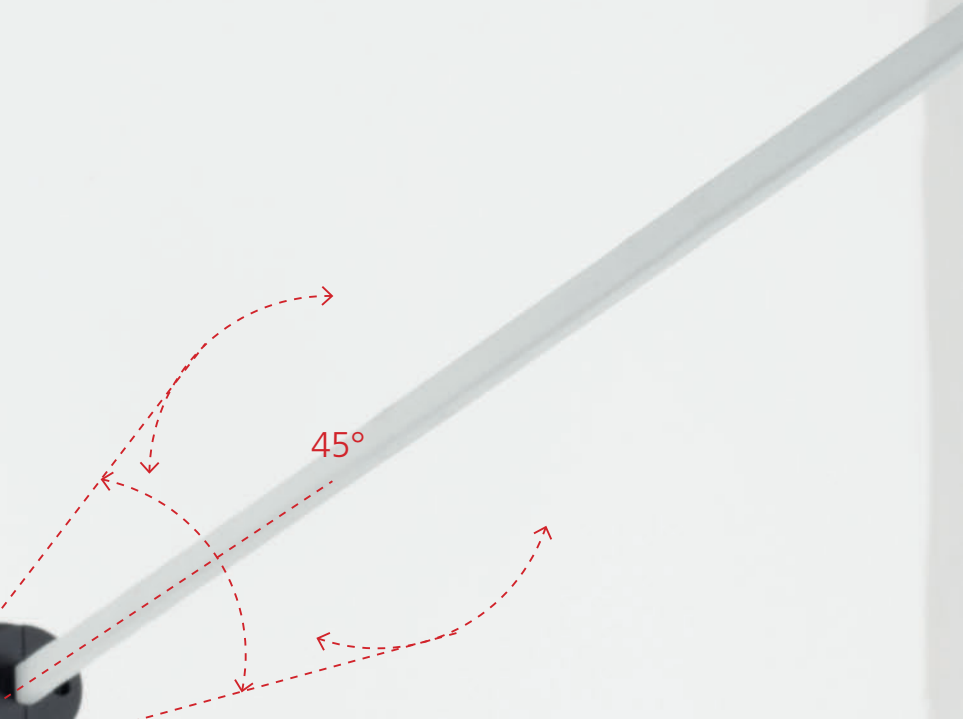
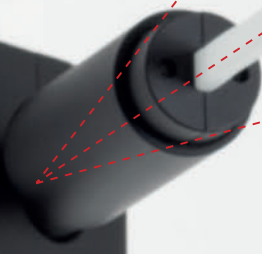
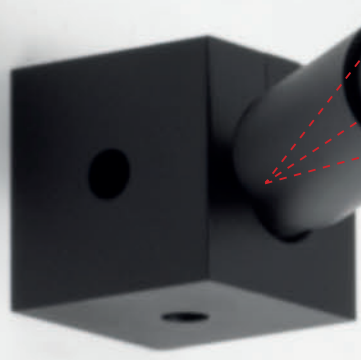
FV03004



n.1 Cube FV01004 + n.1 Tensioner FV03004

n.1 Cube FV01004 + n.2 Tensioners FV03004



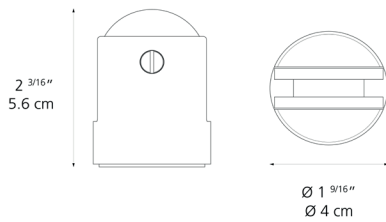
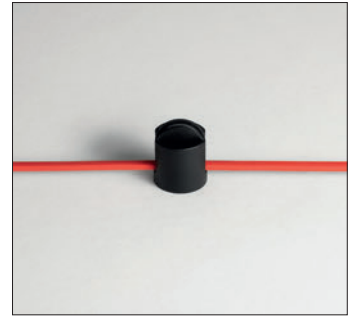


Mechanical joints

Diverter

Length C
Ø 1 9/16" x h 2 3/16" ●

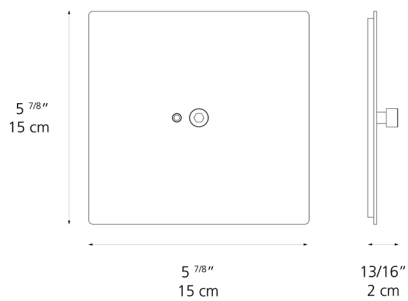
Code
FV02004



Anchor plate*

Dimension C
5 15/16" x 5 15/16" h 1/4" ●

Code
FV07004



* Accessory for Cube and Diverter.



Mechanical joints

Single cable support (for long distances)

Length

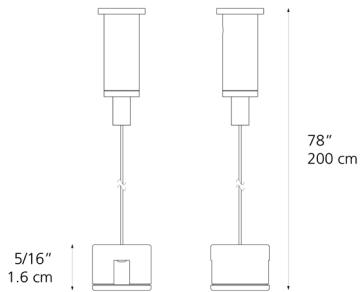
C

Ø 13/16" x h 9/16" x 6'-6" max. hanging length

●

Code

FV05004



Double cable support (for long distances)

Length

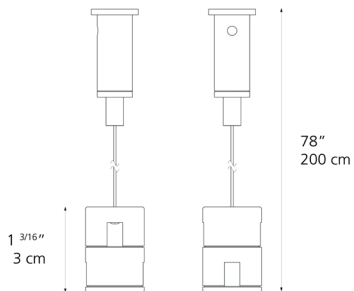
C

Ø 13/16" x h 1 3/16" x 6'-6" max. hanging length

●

Code

FV06004



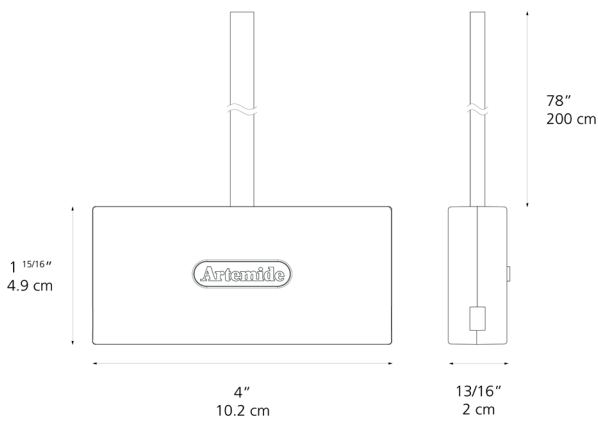


Electrical connections

Power device

Length	C
13/16" x h 1 3/16" x 6'-6" max. hanging length	●

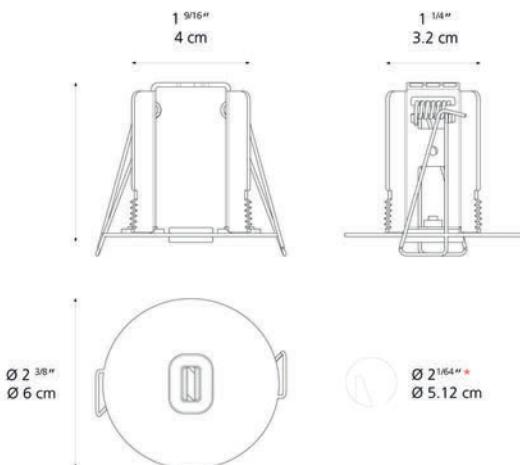
Code	FV04004
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Remote wiring recessed grommet

Dimension	C
Ø 2 3/8" x h 2 1/2"	●

Code	FV09001
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Power unit

Surface Power Supply

240W power supply

120-277VAC - 48VDC 210W maximum load - 15^{3/4"} x 4^{5/16"} x 1^{15/16"}

100W power supply

120-277VAC - 48VDC 88W maximum load - 15^{3/4"} x 4^{5/16"} x 1^{15/16"}

Non-Dimmable

Code

[FV151048](#)

[FV153048](#)



Semi-Recessed Power Supply

150W power supply with bottom cable exit

120-277VAC - 48VDC 125W maximum load - 12^{3/4"} x 3^{11/16"} x 4^{3/16"}

Non-Dimmable

Code

[FV170018](#)



150W power supply with top cable exit

120-277VAC - 48VDC 125W maximum load - 12^{3/4"} x 3^{11/16"} x 4^{3/16"}

[FV180018](#)



Wall or Ceiling Mounted Remote Power Supply

320W power supply

120-277VAC - 48VDC 270W maximum load - 12^{5/16"} x 9^{9/16"} x 2^{1/4"}

240W power supply

120-277VAC - 48VDC 210W maximum load - 12^{5/16"} x 9^{9/16"} x 2^{1/4"}

100W power supply

120-277VAC - 48VDC 88W maximum load - 12^{5/16"} x 9^{9/16"} x 2^{1/4"}

Non-Dimmable

Code

[FV142008](#)

[FV141008](#)

[FV143008](#)



Wall, Ceiling or Recessed Mounted Remote Power Supply

150W power supply

120-277VAC - 48VDC 125W maximum load - 12^{5/16"} x 9^{9/16"} x 2^{1/4"}

Non-Dimmable

Code

[FV160008](#)

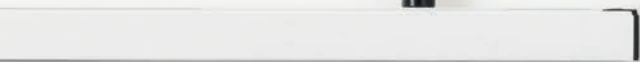
IP20



Dry
locations

Multiple light performances





Funivia light insets - Vector

Integrating different performances

Vector 30

Ø 1 3/16" x h 3"
7 W - 329 lm / 335 lm / 292 lm*
(12° - 16° - 30°)

Vector 40

Ø 1 9/16" x h 4 1/16"
10 W - 541 lm / 584 lm / 529 lm*
(14° - 21° - 28°)

Vector 55

Ø 2 3/16" x h 5 1/8"
19 W - 1771 lm / 1811 lm / 1878 lm*
(17° - 22° - 31°)

● Black

○ White



Vector 30 Pendant

Ø 1 3/16" x h 3"
7 W - 329 lm / 335 lm / 292 lm*
(12° - 16° - 30°)

Vector 40 Pendant

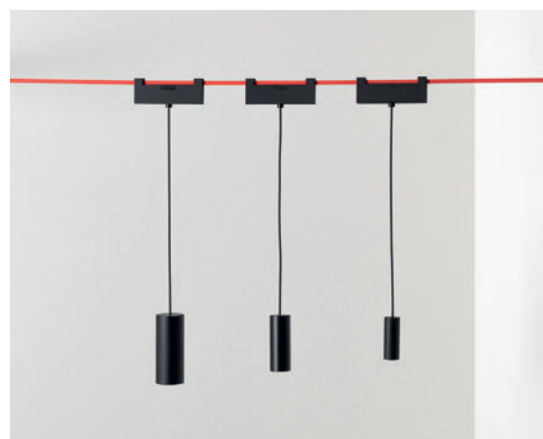
Ø 1 9/16" x h 4 1/16"
10 W - 541 lm / 584 lm / 529 lm*
(14° - 21° - 28°)

Vector 55 Pendant

Ø 2 3/16" x h 5 1/8"
19 W - 1771 lm / 1811 lm / 1878 lm*
(17° - 22° - 31°)

● Black

○ White



* 3000 K values.



↪ VECTOR FUNIVIA

White Black

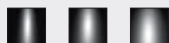


01

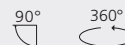


04

S F WF



MacAdam 3SDCM
*MacAdam 2SDCM
CRI = 90



IP20

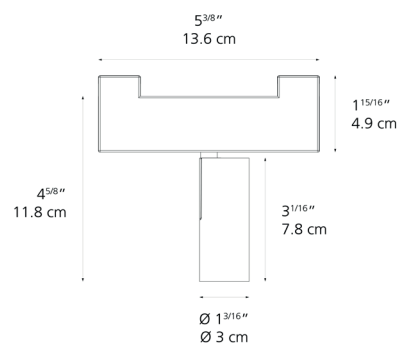


Dry locations

VECTOR 30 FUNIVIA

VECTOR 30				
W	Beam	Flux	CCT	
6,5 W	S 12°	329 lm	2700K	○
				●
		329 lm	3000K	○
				●
		329 lm	3500K	○
		329 lm	4000K	○
				●
		335 lm	2700K	○
				●
		335 lm	3000K	○
		335 lm	3500K	○
				●
		335 lm	4000K	○
				●
		292 lm	2700K	○
	WF 30°	292 lm	3000K	○
				●
		292 lm	3500K	○
				●
		292 lm	4000K	○
		●		

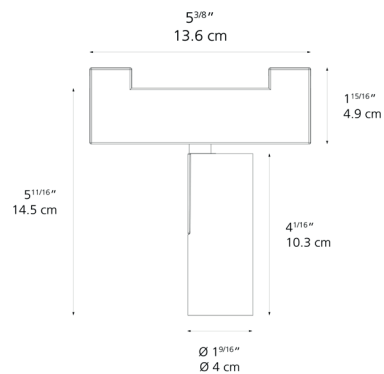
Non-dimmable	
Code	
FU00001	
FU00004	
FU01001	
FU01004	
FU03001	
FU03004	
FU02001	
FU02004	
FU00101	
FU00104	
FU01101	
FU01104	
FU03101	
FU03104	
FU02101	
FU02104	
FU00201	
FU00204	
FU01201	
FU01204	
FU03201	
FU03204	
FU02201	
FU02204	



VECTOR 40 FUNIVIA

VECTOR 40				
W	Beam	Flux	CCT	
10 W	S 14°	544 lm	2700K	○
				●
		541 lm	3000K	○
				●
		626 lm	3500K	○
		541 lm	4000K	○
				●
		543 lm	2700K	○
				●
		584 lm	3000K	○
	*F 21°	674 lm	3500K	○
				●
		626 lm	4000K	○
				●
		491 lm	2700K	○
	*WF 28°	529 lm	3000K	○
				●
		611 lm	3500K	○
				●
		626 lm	4000K	○
		●		

Non-dimmable	
Code	
FU10001	
FU10004	
FU11001	
FU11004	
FU13001	
FU13004	
FU12001	
FU12004	
FU10101	
FU10104	
FU11101	
FU11104	
FU13101	
FU13104	
FU12101	
FU12104	
FU10201	
FU10204	
FU11201	
FU11204	
FU13201	
FU13204	
FU12201	
FU12204	



↪ VECTOR FUNIVIA

White Black

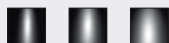


01



04

S F WF



MacAdam 3SDCM
CRI = 90

IP20

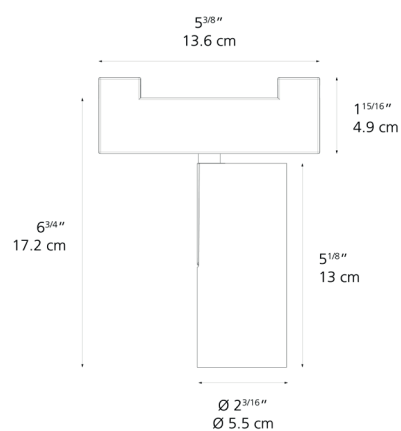


Dry locations



VECTOR 55 FUNIVIA

VECTOR 55				Non-dimmable	
W	Beam	Flux	CCT	Code	
19 W	S 17°	1677 lm	2700K	○	FU20001
				●	FU20004
		1771 lm	3000K	○	FU21001
				●	FU21004
	F 22°	1922 lm	3500K	○	FU23001
				●	FU23004
		1915 lm	4000K	○	FU22001
				●	FU22004
	WF 31°	1715 lm	2700K	○	FU20101
				●	FU20104
		1811 lm	3000K	○	FU21101
				●	FU21104
1966 lm		3500K	○	FU23101	
			●	FU23104	
1959 lm		4000K	○	FU22101	
			●	FU22104	
	1779 lm	2700K	○	FU20201	
			●	FU20204	
	1878 lm	3000K	○	FU21201	
			●	FU21204	
	2039 lm	3500K	○	FU23201	
			●	FU23204	
	2032 lm	4000K	○	FU22201	
			●	FU22204	



Accessories	Color	Vector 40 Code	Vector 55 Code
		AP90100	AP91100
		AP90200	AP91200
		AP90300	AP91300
		AP90400	AP91400
	●		AP91500

↳ VECTOR PENDANT FUNIVIA

White Black



01



04

S F WF



MacAdam 3SDCM
*MacAdam 2SDCM
CRI = 90

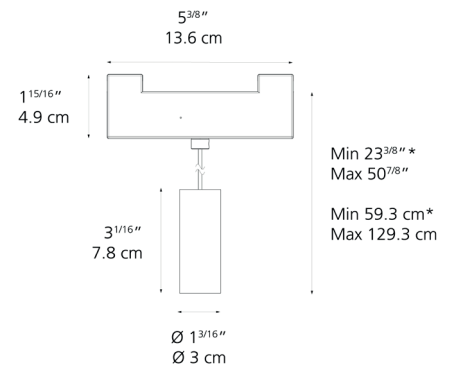
IP20



Dry
locations

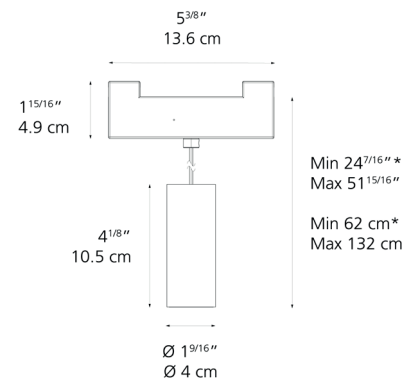
VECTOR 30 PENDANT FUNIVIA

VECTOR 30				Non-dimmable	
W	Beam	Flux	CCT	Code	
6,5 W	S 12°	329 lm	2700K	○	FU30001
				●	FU30004
		329 lm	3000K	○	FU31001
				●	FU31004
		329 lm	3500K	○	FU33001
				●	FU33004
		329 lm	4000K	○	FU32001
				●	FU32004
7 W	F 16°	335 lm	2700K	○	FU30101
				●	FU30104
		335 lm	3000K	○	FU31101
				●	FU31104
	WF 30°	292 lm	2700K	○	FU30201
				●	FU30204
		292 lm	3000K	○	FU31201
				●	FU31204
	WF 30°	292 lm	3500K	○	FU33201
				●	FU33204
		292 lm	4000K	○	FU32201
				●	FU32204



VECTOR 40 PENDANT FUNIVIA

VECTOR 40				Non-dimmable	
W	Beam	Flux	CCT	Code	
10 W	S 14°	544 lm	2700K	○	FU40001
				●	FU40004
		541 lm	3000K	○	FU41001
				●	FU41004
		626 lm	3500K	○	FU43001
				●	FU43004
		541 lm	4000K	○	FU42001
				●	FU42004
	*F 21°	543 lm	2700K	○	FU40101
				●	FU40104
		584 lm	3000K	○	FU41101
				●	FU41104
	*WF 28°	674 lm	3500K	○	FU43101
				●	FU43104
		626 lm	4000K	○	FU42101
				●	FU42104
*WF 28°	491 lm	2700K	○	FU40201	
			●	FU40204	
	529 lm	3000K	○	FU41201	
			●	FU41204	
*WF 28°	611 lm	3500K	○	FU43201	
			●	FU43204	
	626 lm	4000K	○	FU42201	
			●	FU42204	



↳ VECTOR PENDANT FUNIVIA

White Black

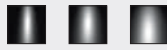


01



04

S F WF



MacAdam 3SDCM
CRI = 90

IP20



Dry locations

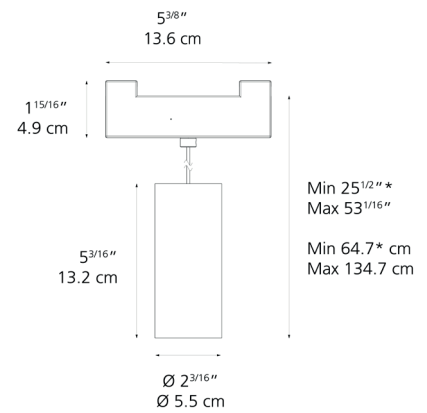
VECTOR 55 PENDANT FUNIVIA

VECTOR 55

W	Beam	Flux	CCT	
19 W	S 17°	1677 lm	2700K	○
				●
		1771 lm	3000K	○
				●
		1922 lm	3500K	○
				●
	F 22°	1915 lm	4000K	○
				●
		1715 lm	2700K	○
				●
		1811 lm	3000K	○
				●
WF 31°	1966 lm	3500K	○	
			●	
	1959 lm	4000K	○	
			●	
	1779 lm	2700K	○	
			●	
	1878 lm	3000K	○	
		●		
	2039 lm	3500K	○	
		●		
	2032 lm	4000K	○	
		●		

Non-dimmable

Code
FU50001
FU50004
FU51001
FU51004
FU53001
FU53004
FU52001
FU52004
FU50101
FU50104
FU51101
FU51104
FU53101
FU53104
FU52101
FU52104
FU50201
FU50204
FU51201
FU51204
FU53201
FU53204
FU52201
FU52204



*Wire is not field-cuttable. An accessory is provided to bundle the wire to adjust the overall length

Funivia light insets - Sharping

Integrating different performances

Sharping 8 LED

12 7/16" x 1 1/16" x h 2 3/4"
19 W - 1400 lm / 1488 lm*
(24° - 62°)

Sharping 12 LED

18 1/4" x 1 1/16" x h 2 3/4"
25 W - 2100 lm / 2232 lm*
(24° - 62°)

- Black
- White



Sharping 8 LED Pendant

12 7/16" x 1 1/16" x h 2 3/4"
19 W - 1400 lm / 1488 lm*
(24° - 62°)

Sharping 12 LED Pendant

18 1/4" x 1 1/16" x h 2 3/4"
25 W - 2100 lm / 2232 lm*
(24° - 62°)

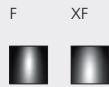
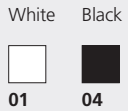
- Black
- White



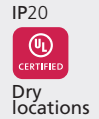
* 3000 K values.



SHARPING FUNIVIA



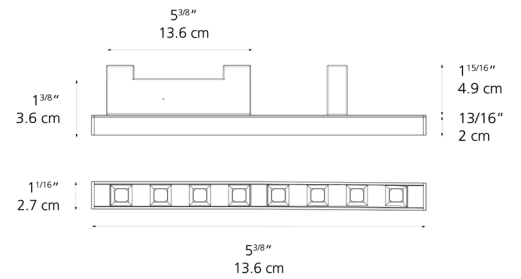
MacAdam 3SDCM
CRI = 90



SHARPING FUNIVIA

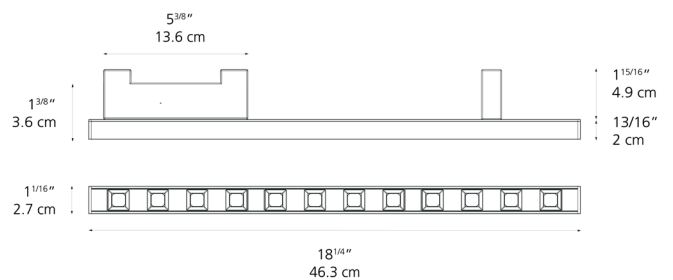
SHARPING 8				
W	Beam	Flux	CCT	
19 W	F 24°	1488 lm	2700K	○
				●
		1400 lm	3000K	○
				●
		1400 lm	3500K	○
				●
	XF 62°	1498 lm	4000K	○
				●
		1488 lm	2700K	○
				●
		1488 lm	3000K	○
				●
	1488 lm	3500K	○	
		●		
	1592 lm	4000K	○	
		●		

Non-dimmable	
Code	
FU60001	
FU60004	
FU61001	
FU61004	
FU63001	
FU63004	
FU62001	
FU62004	
FU60101	
FU60104	
FU61101	
FU61104	
FU63101	
FU63104	
FU62101	
FU62104	



SHARPING 12				
W	Beam	Flux	CCT	
25 W	F 24°	2100 lm	2700K	○
				●
		2100 lm	3000K	○
				●
		2100 lm	3500K	○
				●
	XF 62°	2247 lm	4000K	○
				●
		2232 lm	2700K	○
				●
		2232 lm	3000K	○
				●
	2232 lm	3500K	○	
		●		
	2388 lm	4000K	○	
		●		

Non-dimmable	
Code	
FU70001	
FU70004	
FU71001	
FU71004	
FU73001	
FU73004	
FU72001	
FU72004	
FU70101	
FU70104	
FU71101	
FU71104	
FU73101	
FU73104	
FU72101	
FU72104	



SHARPING PENDANT FUNIVIA

White Black



01



04

F XF



MacAdam 3SDCM
CRI = 90

IP20



Dry locations

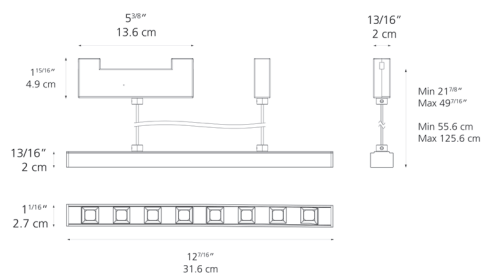
SHARPING PENDANT FUNIVIA

SHARPING 8

W	Beam	Flux	CCT	
19 W	F 24°	1488 lm	2700K	○
				●
		1400 lm	3000K	○
				●
		1400 lm	3500K	○
			●	
		1498 lm	4000K	○
				●
	XF 62°	1488 lm	2700K	○
				●
1488 lm		3000K	○	
			●	
1488 lm		3500K	○	
		●		
	1592 lm	4000K	○	
			●	

Non-dimmable

Code
FU80001
FU80004
FU81001
FU81004
FU83001
FU83004
FU82001
FU82004
FU80101
FU80104
FU81101
FU81104
FU83101
FU83104
FU82101
FU82104

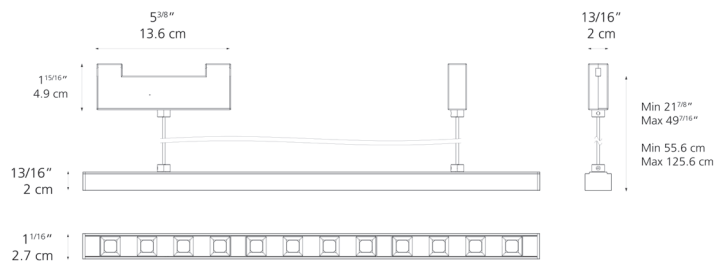


SHARPING 12

W	Beam	Flux	CCT	
25 W	F 24°	2100 lm	2700K	○
				●
		2100 lm	3000K	○
				●
		2100 lm	3500K	○
			●	
		2247 lm	4000K	○
				●
	XF 62°	2232 lm	2700K	○
				●
2232 lm		3000K	○	
			●	
2232 lm		3500K	○	
		●		
	2388 lm	4000K	○	
			●	

Non-dimmable

Code
FU90001
FU90004
FU91001
FU91004
FU93001
FU93004
FU92001
FU92004
FU90101
FU90104
FU91101
FU91104
FU93101
FU93104
FU92101
FU92104



*Wire is not field-cuttable. An accessory is provided to bundle the wire to adjust the overall length

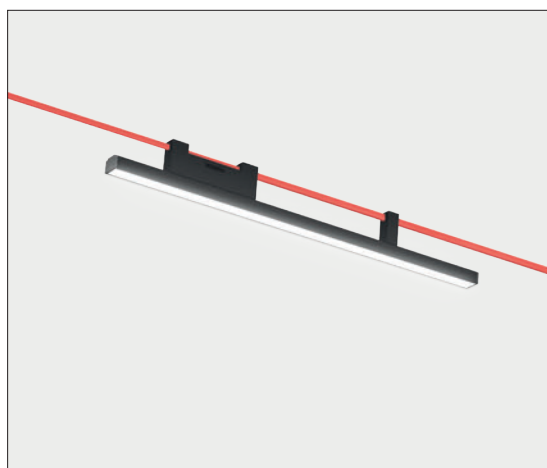
Funivia light insets - Diffused

Integrating different performances

Diffused Linear 600
23 9/16" x 1 1/16" x h 2 3/4"
13 W - 1508 lm*

Diffused Linear 1200
46 3/4" x 1 1/16" x h 2 3/4"
26 W - 3017 lm*

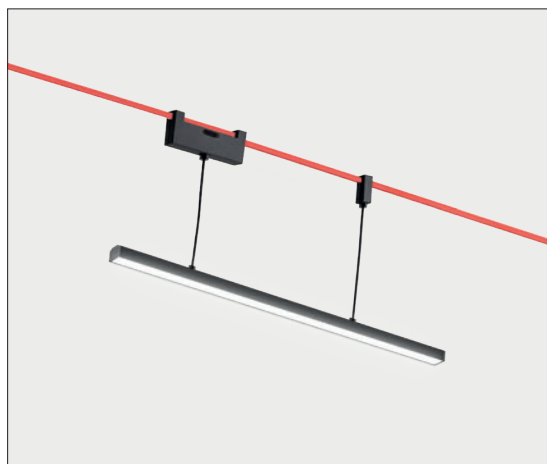
- Black
- White



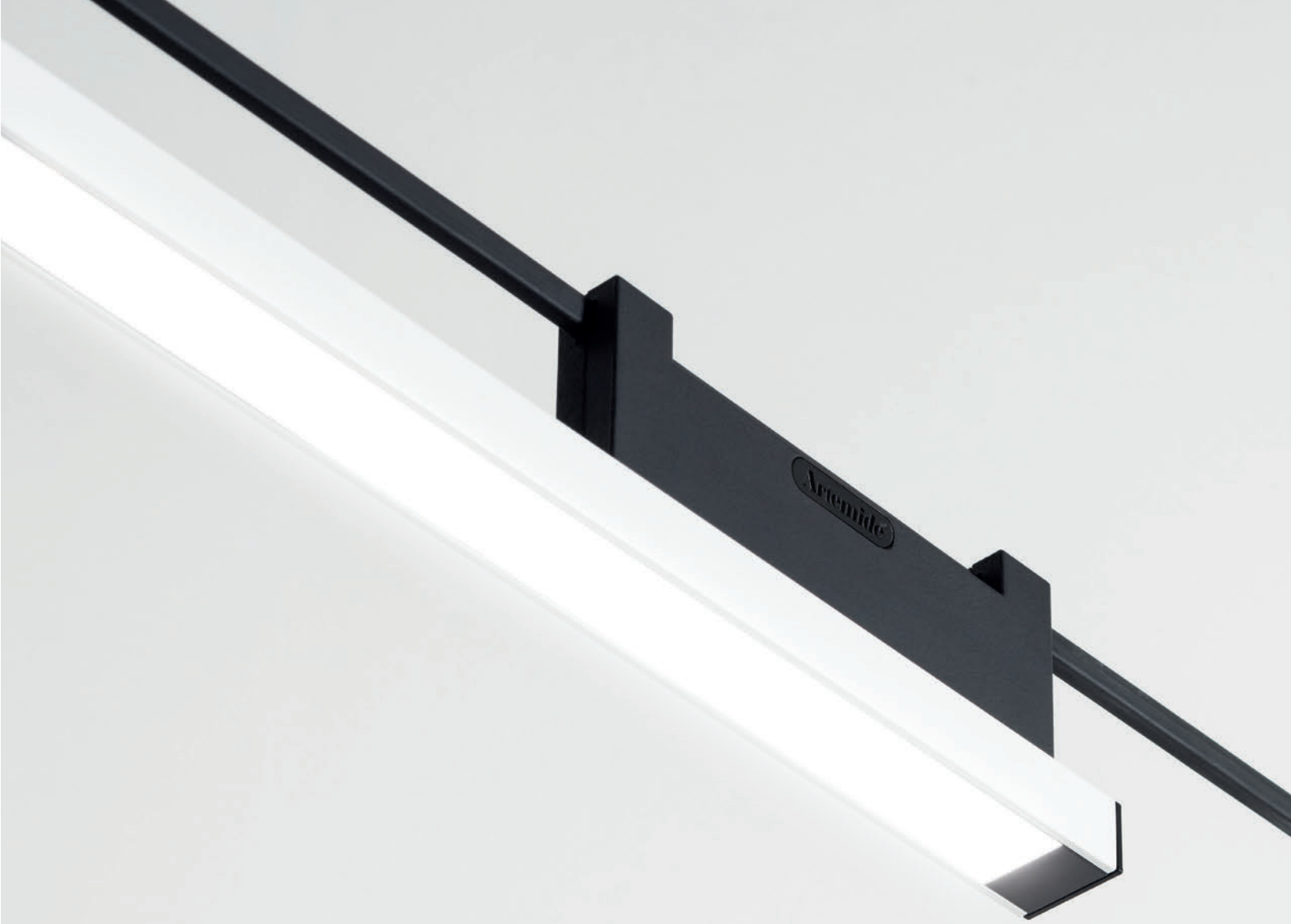
Diffused Linear 600 Pendant
23 9/16" x 1 1/16" x h 2 3/4"
13 W - 1508 lm*

Diffused Linear 1200 Pendant
46 3/4" x 1 1/16" x h 2 3/4"
26 W - 3017 lm*

- Black
- White



* 3000 K values.



↪ DIFFUSED LINEAR FUNIVIA

White Black



01



04

MacAdam 3SDCM
CRI = 90

IP20



Dry
locations

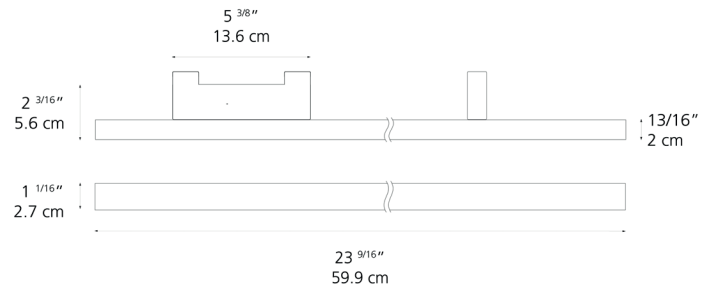
DIFFUSE FUNIVIA

DIFFUSE 600

W	Flux	CCT	
13 W	1422 lm	2700K	○
			●
	1508 lm	3000K	○
			●
	1508 lm	3500K	○
		●	
	1508 lm	4000K	○
			●

Non-dimmable

Code
FW00001
FW00004
FW01001
FW01004
FW03001
FW03004
FW02001
FW02004

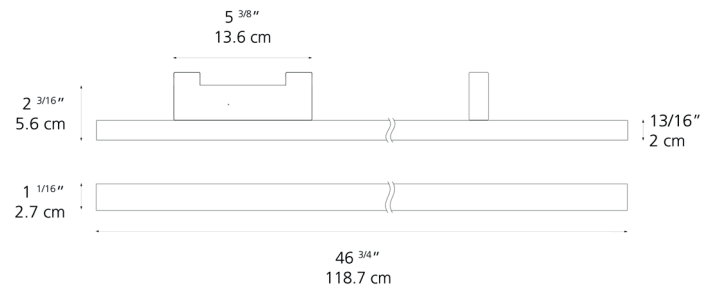
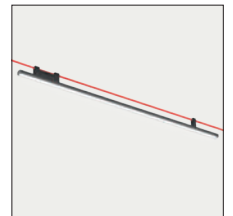


DIFFUSE 1200

W	Flux	CCT	
26 W	2844 lm	2700K	○
			●
	3017 lm	3000K	○
			●
	3017 lm	3500K	○
		●	
	3017 lm	4000K	○
			●

Non-dimmable

Code
FW10001
FW10004
FW11001
FW11004
FW13001
FW13004
FW12001
FW12004



↳ DIFFUSE LINEAR PENDANT FUNIVIA

White Black



MacAdam 3SDCM
CRI = 90

IP20

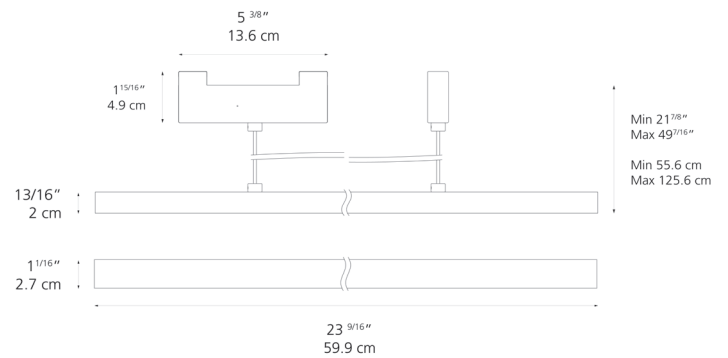
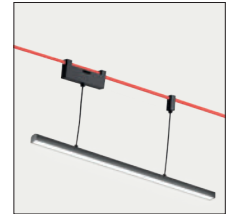


Dry locations

DIFFUSED LINEAR PENDANT FUNIVIA

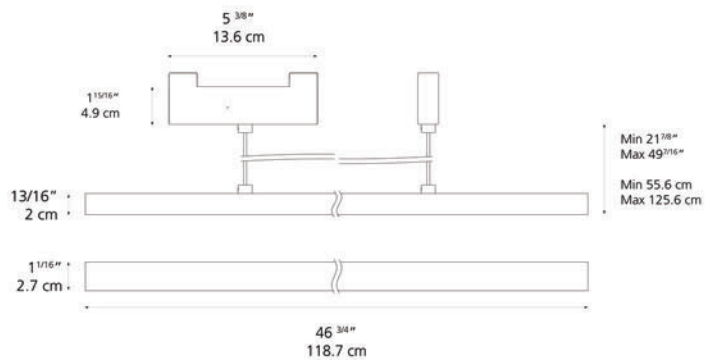
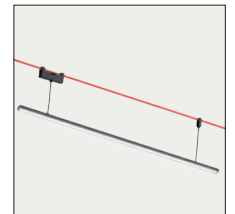
DIFFUSE 600 PENDANT			
W	Flux	CCT	
? W	1422 lm	2700K	○
			●
	1508 lm	3000K	○
			●
	1508 lm	3500K	○
			●
	1508 lm	4000K	○
			●

Non-dimmable	
Code	
FW20001	
FW20004	
FW21001	
FW21004	
FW23001	
FW23004	
FW22001	
FW22004	



DIFFUSE 1200 PENDANT			
W	Flux	CCT	
? W	2844 lm	2700K	○
			●
	3017 lm	3000K	○
			●
	3017 lm	3500K	○
			●
	3017 lm	4000K	○
			●

Non-dimmable	
Code	
FW30001	
FW30004	
FW31001	
FW31004	
FW33001	
FW33004	
FW32001	
FW32004	



*Wire is not field-cuttable. An accessory is provided to bundle the wire to adjust the overall length



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ISO 9001:2015



ISO 14001:2015



ISO 45001:2018

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