Ribbon HD 160 LEDs/m

LED Strip | 1 topLED 108 W DC 24 V | 21.6 W/m
2528.6 Lm/m | CRI 95
C00510WHNDI

5000

200

50

1.4

10

3M TAPE

Technical data

Length	5000 mm
Minimum cut	50 mm
Type	LED Strip
Installation position	Wall lights - Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	topLED
Optics	Diffused
Light emission direction	upward
Nominal power	108 W DC
Power / m	21.6 W / m
Source lumens	12643 lm
Source lumens / m	2528.6 lm / m
Input voltage range	24V
CCT / Tone	4000 K
Colour rendering index	95 Ra
C.C. / C.V.	CV
Safety class	3
IP	IP20
Glow wire test	No
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	No
Dimmable article	DALI - 1-10V
Directional	No
Tilting	No
Walk-over	No
Drive-over	No
Cable included	Yes
Cable length	0.2 m
Resin potting	No
Type of light emission	Single emission
Length	5000 mm
Net weight	0.17 Kg
Electrostatic discharge protection	No
Surge protection	No

Finishing casing

Material	Technopolymer
Colour	white

Electronics

	99331 On/Off Driver 198~264V AC / 176~275V DC 150 W (1 art.)
	99332 1-10V Controller (1 art.)
	99374 On/Off Driver 198~264V AC / 176~275V DC 75 W (1 art.)
	99722 DALI Controller 90~305V AC / 127~431V DC 120 W (1 art.)
	83062 DALI - Push and Simply Dim Controller 198~264V AC / 176~280V DC 150 W (1 art.)
	83042 1-10V - Push and Simply Dim - DALI-2 Controller (1 - 2 art.)

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Ribbon HD 160 LEDs/m

LED Strip | 1 topLED 108 W DC 24 V | 21.6 W/m | 2528.6 Lm/m | CRI 95 | Base
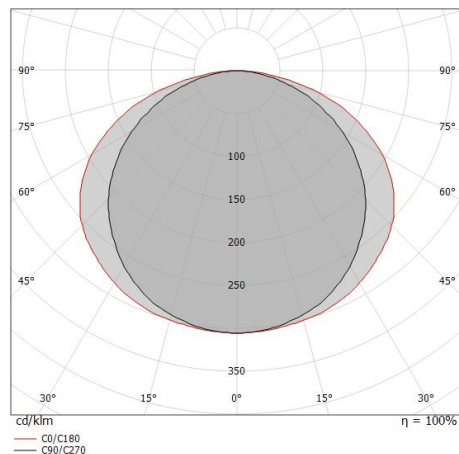**C00510WHNDI**

Single emission led strip for indoor application. The natural white LED light source with a diffused light distribution is composed of 800 stripled LEDs with CCT of 4000 K and a CRI 95; the source luminous flux is 12643 lm, with a 117.1 lm/W nominal luminous efficacy.

The device body is made of technopolymer and features a white finish. The ingress protection degree is IP20; the total weight is of 0.17 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 108 W. The power supply cable is included and features a 0.2 m length.

The device features protection class III and can be wall lights or ceiling-mounted.

Compliant with the EN 60598-1 standard and its specific provisions.

Energy efficiency class

F A↑G

This product contains a light source of energy efficiency class F.

Illuminotechnical Features

Light Output Ratio (LOR)	100 %
Source lumens	12643 lm
Delivered lumens	12643 lm
Consumption	108 W
Luminaire efficacy	117 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	95 Ra
Standard Operating Ambient Temperature	-20 / +45°C

LED Life / Failure Ratio

L70 B50 C0 54000h

UGR

UGR axial	32.3
UGR transversal	34.5
X=4H	Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL
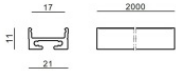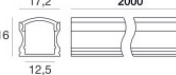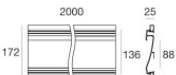
C90/C270 optics	116°
C0/C180 optics	134°
Light distribution simmetry	Symmetrical 2 assis

cd/klm   η = 100%

— C0/C180
— C90/C270

			E(0°)		15463
0.5	1.59 / 2.38		E(C90)	57.8°	1171
			E(C0)	67.2°	450
1.0	3.18 / 4.76		E(0°)		3866
			E(C90)	57.8°	293
			E(C0)	67.2°	113
1.5	4.76 / 7.14		E(0°)		1718
			E(C90)	57.8°	130
			E(C0)	67.2°	50
2.0	6.35 / 9.52		E(0°)		966
			E(C90)	57.8°	73
			E(C0)	67.2°	28
2.5	7.94 / 11.89		E(0°)		619
			E(C90)	57.8°	47
			E(C0)	67.2°	18
3.0	9.53 / 14.27		E(0°)		430
			E(C90)	57.8°	33
			E(C0)	67.2°	13

Distance [m]   Cone diameter [m]   Illuminance [lx]

— C0/C180 (Half-peak divergence: 134.4°)
— C90/C270 (Half-peak divergence: 115.6°)

Ribbon HD 160 LEDs/m

LED Strip | 1 topLED 108 W DC 24 V | 21.6 W/m | 2528.6 Lm/m | CRI 95
C00510WHNDI

Components

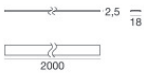|			
	LUNO_20/27 - Profili | Modular	**Code**	C-K100017
	LUNO_20/27 - Profili | Modular	**Code**	C-K100018
	Rive_17/16 - Profili | Modular	**Code**	C-K100015
	Rive_17/16 - Profili | Modular	**Code**	C-K100016
	Cela_18/18 - Profili | Modular	**Code**	C-K100019
	Cela_18/18 - Profili | Modular	**Code**	C-K100020
	Tabulo_35/14 - Profili | Modular	**Code**	C-K100025
	Fylo+ Recessed_2	**Code**	65006 - 65007
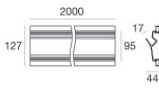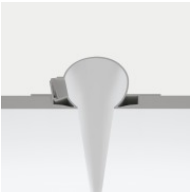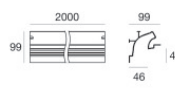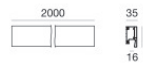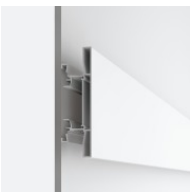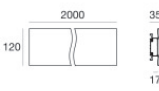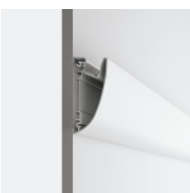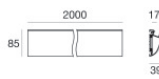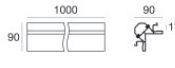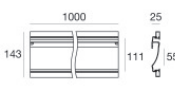
Ribbon HD 160 LEDs/m

LED Strip | 1 topLED 108 W DC 24 V | 21.6 W/m | 2528.6 Lm/m | CRI 95
C00510WHNDI

Components

				Code
		Fylo+ Recessed_1		65027 - 65028
		Fylo+ Recessed_4		65009 - 65010
		Fylo+ Recessed_5		65012 - 65013
		Fylo+ Surface_1		65015 - 65016
		Fylo+ Surface_2		65018 - 65019
		Fylo+ Surface_3		65021 - 65022
		Fylo+ Surface_4		65025 - 65024
		Fylo+ Recessed_3		65004 - 65003

Ribbon HD 160 LEDs/m

LED Strip | 1 topLED 108 W DC 24 V | 21.6 W/m | 2528.6 Lm/m | CRI 95
C00510WHNDI

Components
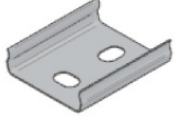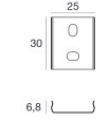
			Code
	Fylo+ Direct_1		65180 - 65181

Ribbon HD 160 LEDs/m | LED Strip | Accessories
C00510WHNDI

5x

Springs for recessing - 5 pieces

	Code
	98420

Diffuser
Diffuser Type: opaline diffuser.
Material:PC, colour:opaline.

Finish	**Code**
Opaline	98395

Diffuser

	Code
	98941

Diffuser

	Code
	98942

Diffuser - Opaline Diffuser

	Code
	98943

Diffuser

	Code
	98898

Diffuser

	Code
	98899

Diffuser

	Code
	98900

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Ribbon HD 160 LEDs/m

Ribbon HD 160 LEDs/m | LED Strip | Accessories
C00510WHNDI

			Code
	Diffuser		98917

			Code
	Diffuser		98925

		Finish	**Code**
	Diffuser Material:PC, colour:black.	Black	83132

		Finish	**Code**
	Diffuser Material:PC, colour:opaline.	Opaline	C-K200001

		Finish	**Code**
	Diffuser Material:PC, colour:black.	Black	C-K200002

		Finish	**Code**
	Diffuser Material:PC, colour:opaline.	Opaline	C-K200003

		Finish	**Code**
	Diffuser Material:PC, colour:black.	Black	C-K200004

		Finish	**Code**
	Diffuser Material:PC, colour:opaline.	Opaline	C-K200005

Ribbon HD 160 LEDs/m | LED Strip | Accessories
C00510WHNDI

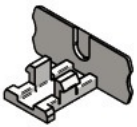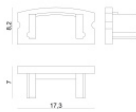|	Diffuser Material:PC, colour:opaline.	**Finish** Opaline	**Code** C-K200007

	Diffuser Material:PC, colour:black.	**Finish** Black	**Code** C-K200009

	Closing cap		**Code** 98418

	Closing cap - Closing cap Material:PC, colour:white.		**Code** 98892
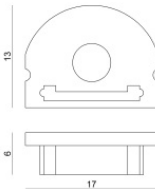
	Closing cap		**Code** 98928

	Closing cap		**Code** 98896

	Closing cap		**Code** 98902
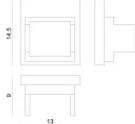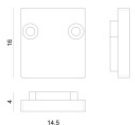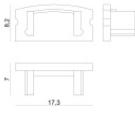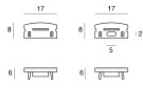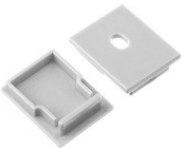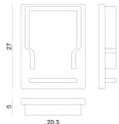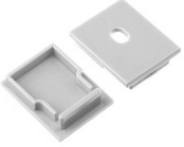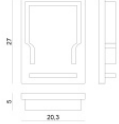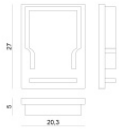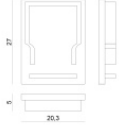
	Closing cap Material:Aluminium, colour:translucent.		**Code** 98907
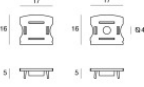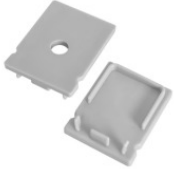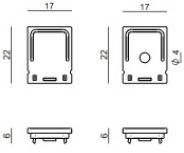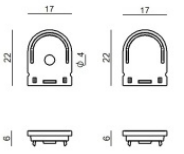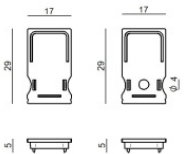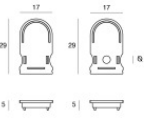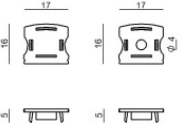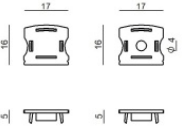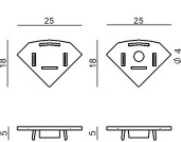
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Ribbon HD 160 LEDs/m | LED Strip | Accessories
C00510WHNDI

	Closing cap Material:PC, colour:white.	**Code** 98922	
	Closing cap Material:PC, colour:white.	**Code** 98918	
	Closing cap Material:PC, colour:black.	**Code** 83133	
	Closing cap Material:plastic, colour:grey.	**Code** C-V400023	
	Closing cap Material:plastic, colour:grey.	**Code** C-V400019	
	Closing cap Material:ABS Plastic, colour:black.	**Code** C-V400020	
	Closing cap Material:plastic, colour:grey.	**Code** C-V400021	
	Closing cap Material:ABS Plastic, colour:black.	**Code** C-V400022	

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Ribbon HD 160 LEDs/m | LED Strip | Accessories
C00510WHNDI

			Code
		Closing cap Material:plastic, colour:grey.	C-V400025
		Closing cap Material:plastic, colour:grey.	C-V400027
		Closing cap Material:plastic, colour:grey.	C-V400029
		Closing cap Material:plastic, colour:grey.	C-V400031
		Closing cap Material:plastic, colour:grey.	C-V400033
		Closing cap Material:plastic, colour:grey.	C-V400035
		Closing cap Material:ABS Plastic, colour:black.	C-V400036
		Closing cap Material:ABS Plastic, colour:black.	C-V400038

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Ribbon HD 160 LEDs/m

Ribbon HD 160 LEDs/m | LED Strip | Accessories
C00510WHNDI

	Closing cap Material:plastic, colour:grey.	**Code** C-V400037	
	Closing cap Material:plastic, colour:grey.	**Code** C-V400041	
	Bracket - Mounting bracket L=19mm, H=8mm, D=9mm. Material:Iron, colour:zinc, processing:Washing.	**Code** 98944	
	Bracket L=9mm, H=8.8mm, D=21.8mm. Material:Iron, colour:translucent, processing:Washing.	**Code** 98931	

		Finish	**Code**
	Bracket L=22mm, H=21.5mm, D=16.4mm. Material:PC, colour:transparent.	Transp.	98904
	Bracket L=12mm, H=15mm, D=30mm. Material:PC, colour:white.	White	98901

	Profile - Wall integrated side profile Material:Aluminium 6060, colour:Anodised Aluminum, processing:20 µm anodizing.	**Code** 98921
	Connector - Fast connector for Ribbon Basic V2 8mm, Ribbon HD 8mm (not Ribbon COB) Length 21,6 mm.	**Code** 83396

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Ribbon HD 160 LEDs/m

Ribbon HD 160 LEDs/m | LED Strip | Accessories
C00510WHNDI

	Connector - Fast connector for Ribbon Basic V2 8mm, Ribbon HD 8mm (not Ribbon COB) Length 15,4 mm.	**Code** 83397	
	Connector - Fast connector for Ribbon Plus 10mm - Ribbon PRO - Ribbon PRO 48V Length 21,6 mm.	**Code** 83398	
	Connector Length 15,4 mm.	**Code** 83399	
	Optics Light distribution: medium flood,Cover material: pc	**Code** C-U100001	
	Bag / Fixing kit	**Code** C-K100027	
	Bag / Fixing kit	**Code** C-K100028	
	Bag / Fixing kit	**Code** C-K100029	

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