

# Ribbon PRO

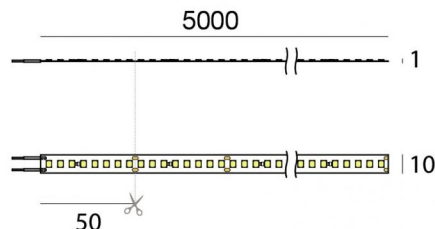


LED Strip | 800 topLED 84 W DC 24 V | 16.8 W/m  
2371.4 Lm/m | CRI >90

82168



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	downward
Nominal power	84 W DC
Power / m	16.8 W / m
Source lumens	11857 lm
Source lumens / m	2371.4 lm / m
Input voltage range	24V
CCT / Tone	2700 K
Colour rendering index	>90 Ra
C.C. / C.V.	CV
Safety class	3
IP	IP20
Glow wire test	650°
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	0.3 m
Resin potting	No
Type of light emission	Single emission
Length	5000 mm
Net weight	0.09 Kg
Electrostatic discharge protection	No
Surge protection	No



## Finishing casing

Colour	white
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## 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.)
	83333 Push and Simply Dim - DALI-2 Controller (1 art.)
	C-E400002 Push and Simply Dim - DALI-2 Controller (1 - 2 art.)

## Cables Electrification

Max cable length	300 mm
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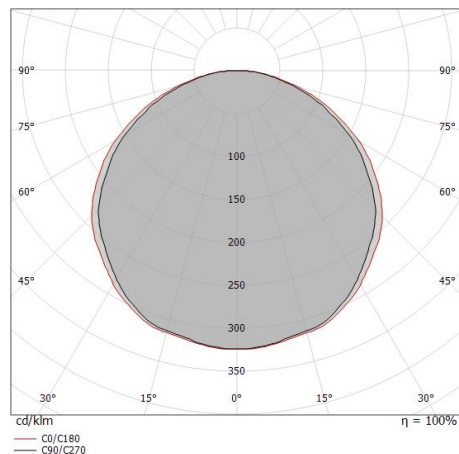
Single emission led strip for indoor application. The super warm white LED light source with a diffused light distribution is composed of 800 topped LEDs with CCT of 2700 K and a CRI >90; the source luminous flux is 11857 lm, with a 141.2 lm/W nominal luminous efficacy.

The device body and features a white finish. The ingress protection degree is IP20; the total weight is of 0.09 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 84 W. The power supply cable is included and features a 0.3 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.



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	1.61 1.75	E(0°) 15383 E(C90) 58.2° 1128 E(C0) 60.3° 937
1.0	3.23 3.51	E(0°) 3946 E(C90) 58.2° 282 E(C0) 60.3° 234
1.5	4.84 5.26	E(0°) 1709 E(C90) 58.2° 125 E(C0) 60.3° 104
2.0	6.45 7.01	E(0°) 961 E(C90) 58.2° 70 E(C0) 60.3° 59
2.5	8.06 8.77	E(0°) 615 E(C90) 58.2° 45 E(C0) 60.3° 37
3.0	9.68 10.52	E(0°) 427 E(C90) 58.2° 31 E(C0) 60.3° 26

— C0/C180 (Half-peak divergence: 120.6°)  
 — C90/C270 (Half-peak divergence: 116.4°)

### Energy efficiency class



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

### Illuminotechnical Features

Light Output Ratio (LOR)	100 %
Source lumens	11857 lm
Delivered lumens	11857 lm
Consumption	84 W
Luminaire efficacy	141 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	3 Step MacAdam
Standard Operating Ambient Temperature	-20 / +55°C

### UGR

UGR axial	31.8
UGR transversal	32.2
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C90/C270 optics	116°
C0/C180 optics	121°
Light distribution simmetry	Symmetrical 2 assis

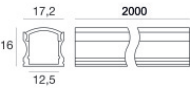

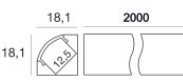



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## Components

		LUNO_20/27 - Profili   Modular	<b>Code</b> <u>C-K100017</u>
		LUNO_20/27	<b>Code</b> <u>C-K100018</u>
		Rive_17/16 - Profili   Modular	<b>Code</b> <u>C-K100015</u>
		Rive_17/16 - Profili   Modular	<b>Code</b> <u>C-K100016</u>
		Cela_18/18 - Profili   Modular	<b>Code</b> <u>C-K100019</u>
		Cela_18/18 - Profili   Modular	<b>Code</b> <u>C-K100020</u>
		Tabulo_35/14 - Profili   Modular	<b>Code</b> <u>C-K100025</u>
		Fylo+ Recessed_2	<b>Code</b> <u>65007 - 65006</u>

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## Components

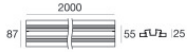
		Fylo+ Recessed_1	<b>Code</b> <u>65027 - 65028</u>
		Fylo+ Recessed_4	<b>Code</b> <u>65009 - 65010</u>
		Fylo+ Recessed_5	<b>Code</b> <u>65012 - 65013</u>
		Fylo+ Surface_1	<b>Code</b> <u>65015 - 65016</u>
		Fylo+ Surface_2	<b>Code</b> <u>65018 - 65019</u>
		Fylo+ Surface_3	<b>Code</b> <u>65021 - 65022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



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## Components

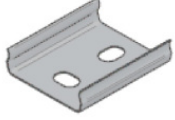
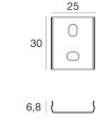

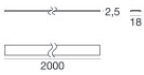














Fylo+ Direct\_1

















**Code**

65180 - 65181



 <p><b>5x</b></p>	 <p>25 30 6,8</p>	<p>Springs for recessing - 5 pieces</p>	<p><b>Code</b> <u>98420</u></p>
	 <p>2,5 18 2000</p>	<p>Diffuser Diffuser Type: opaline diffuser. Material:PC, colour:opaline.</p>	<p><b>Finish</b> <u>Opaline</u>      <b>Code</b> <u>98395</u></p>
	 <p>15 2000</p>	<p>Diffuser</p>	<p><b>Code</b> <u>98941</u></p>
	 <p>15 2000</p>	<p>Diffuser</p>	<p><b>Code</b> <u>98942</u></p>
	 <p>15 2000</p>	<p>Diffuser - Opaline Diffuser</p>	<p><b>Code</b> <u>98943</u></p>
	 <p>24 2000</p>	<p>Diffuser</p>	<p><b>Code</b> <u>98898</u></p>
	 <p>24 2000</p>	<p>Diffuser</p>	<p><b>Code</b> <u>98899</u></p>
	 <p>24 2000</p>	<p>Diffuser</p>	<p><b>Code</b> <u>98900</u></p>



		Diffuser		<b>Code</b> 98917
		Diffuser		<b>Code</b> 98925
		Diffuser Material:PC, colour:black.	<b>Finish</b> Black	<b>Code</b> 83132
		Diffuser Material:PC, colour:opaline.	<b>Finish</b> Opaline	<b>Code</b> C-K200001
		Diffuser Material:PC, colour:black.	<b>Finish</b> Black	<b>Code</b> C-K200002
		Diffuser Material:PC, colour:opaline.	<b>Finish</b> Opaline	<b>Code</b> C-K200003
		Diffuser Material:PC, colour:black.	<b>Finish</b> Black	<b>Code</b> C-K200004
		Diffuser Material:PC, colour:opaline.	<b>Finish</b> Opaline	<b>Code</b> C-K200005



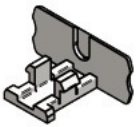
Diffuser  
Material:PC, colour:opaline.

**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





		<p>Closing cap Material:PC, colour:white.</p>	<p><b>Code</b> <u>98922</u></p>
		<p>Closing cap Material:PC, colour:white.</p>	<p><b>Code</b> <u>98918</u></p>
		<p>Closing cap Material:PC, colour:black.</p>	<p><b>Code</b> <u>83133</u></p>
		<p>Closing cap Material:plastic, colour:grey.</p>	<p><b>Code</b> <u>C-V400023</u></p>
		<p>Closing cap Material:plastic, colour:grey.</p>	<p><b>Code</b> <u>C-V400019</u></p>
		<p>Closing cap Material:ABS Plastic, colour:black.</p>	<p><b>Code</b> <u>C-V400020</u></p>
		<p>Closing cap Material:plastic, colour:grey.</p>	<p><b>Code</b> <u>C-V400021</u></p>
		<p>Closing cap Material:ABS Plastic, colour:black.</p>	<p><b>Code</b> <u>C-V400022</u></p>



		<p>Closing cap Material:plastic, colour:grey.</p>	<p><b>Code</b> <u>C-V400025</u></p>
		<p>Closing cap Material:plastic, colour:grey.</p>	<p><b>Code</b> <u>C-V400027</u></p>
		<p>Closing cap Material:plastic, colour:grey.</p>	<p><b>Code</b> <u>C-V400029</u></p>
		<p>Closing cap Material:plastic, colour:grey.</p>	<p><b>Code</b> <u>C-V400031</u></p>
		<p>Closing cap Material:plastic, colour:grey.</p>	<p><b>Code</b> <u>C-V400033</u></p>
		<p>Closing cap Material:plastic, colour:grey.</p>	<p><b>Code</b> <u>C-V400035</u></p>
		<p>Closing cap Material:ABS Plastic, colour:black.</p>	<p><b>Code</b> <u>C-V400036</u></p>
		<p>Closing cap Material:ABS Plastic, colour:black.</p>	<p><b>Code</b> <u>C-V400038</u></p>



		<p>Closing cap Material:plastic, colour:grey.</p>	<p><b>Code</b> C-V400037</p>
		<p>Closing cap Material:plastic, colour:grey.</p>	<p><b>Code</b> C-V400041</p>
		<p>Bracket - Mounting bracket L=19mm, H=8mm, D=9mm. Material:Iron, colour:zinc, processing:Washing.</p>	<p><b>Code</b> 98944</p>
		<p>Bracket L=9mm, H=8.8mm, D=21.8mm. Material:Iron, colour:translucent, processing:Washing.</p>	<p><b>Code</b> 98931</p>
		<p>Bracket L=22mm, H=21.5mm, D=16.4mm. Material:PC, colour:transparent.</p>	<p><b>Finish</b> Transp.</p> <p><b>Code</b> 98904</p>
		<p>Bracket L=12mm, H=15mm, D=30mm. Material:PC, colour:white.</p>	<p><b>Finish</b> White</p> <p><b>Code</b> 98901</p>
		<p>Profile - Wall integrated side profile Material:Aluminium 6060, colour:Anodised Aluminum, processing:20 µm anodizing.</p>	<p><b>Code</b> 98921</p>
		<p>Connector - Fast connector for Ribbon Plus 10mm - Ribbon PRO - Ribbon PRO 48V Length 21,6 mm.</p>	<p><b>Code</b> 83398</p>



Ribbon PRO | LED Strip | Accessories  
**82168**



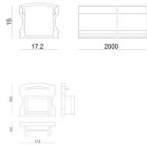
Connector  
 Length 15,4 mm.

**Code**  
83399



Optics  
 Light distribution: medium flood,Cover material: pc

**Code**  
C-U100001



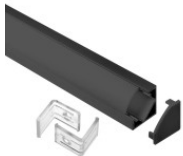
Bag / Fixing kit

**Code**  
C-K100027



Bag / Fixing kit

**Code**  
C-K100028



Bag / Fixing kit

**Code**  
C-K100029