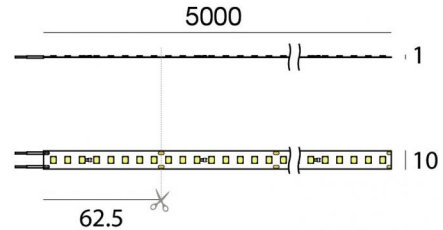


Ribbon PRO



LED Strip | 640 topLED 68 W DC 24 V | 13.6 W/m
2097.8 Lm/m | CRI >90

82164



Technical data	
Length	5000 mm
Minimum cut	62.5 mm
Installation position	Wall lights - Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	topLED
Optics	Diffused
Light emission direction	downward
Nominal power	68 W DC
Source lumens	10489 lm
Input voltage range	24V
CCT / Tone	4000 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 - 2 art.)
	99374 On/Off Driver 198~264V AC / 176~275V DC 75 W (1 art.)
	83333 Push and Simply Dim - DALI-2 Controller (1 - 2 art.)
	C-E400002 Push and Simply Dim - DALI-2 Controller (1 - 3 art.)

Cables Electrification

Max cable length	300 mm
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LED Strip | 640 topLED 68 W DC 24 V | 13.6 W/m | 2097.8 Lm/m | CRI >90 | Base
82164

Single emission led strip for indoor application. The natural white LED light source with a diffused light distribution is composed of 640 toped LEDs with CCT of 4000 K and a CRI >90; the source luminous flux is 10489 lm, with a 154.3 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 68 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.

Energy efficiency class

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



Illuminotechnical Features

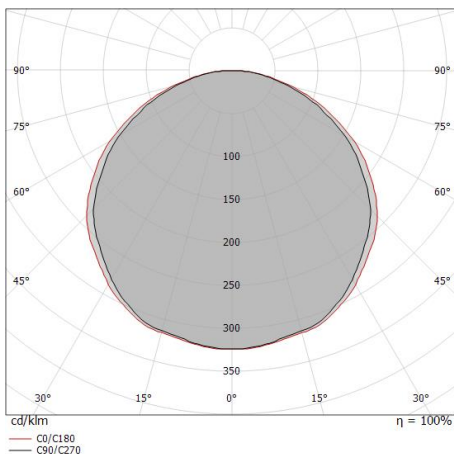
Light Output Ratio (LOR)	100 %
Source lumens	10489 lm
Delivered lumens	10489 lm
Consumption	68 W
Luminaire efficacy	154 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Standard Operating Ambient Temperature	-20 / +55°C

UGR

UGR axial	31.4
UGR transversal	31.8
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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	1.61 1.75	E(0°) 13608 E(C90) 998 E(C0) 829
1.0	3.23 3.51	E(0°) 3402 E(C90) 249 E(C0) 207
1.5	4.84 5.26	E(0°) 1512 E(C90) 111 E(C0) 92
2.0	6.45 7.01	E(0°) 850 E(C90) 62 E(C0) 52
2.5	8.06 8.77	E(0°) 544 E(C90) 40 E(C0) 33
3.0	9.68 10.52	E(0°) 378 E(C90) 28 E(C0) 23

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

Ribbon PRO



LED Strip | 640 topLED 68 W DC 24 V | 13.6 W/m | 2097.8 Lm/m | CRI >90

82164

Components


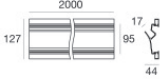

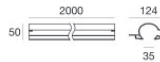

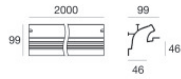


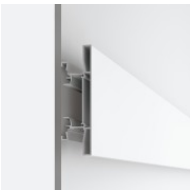
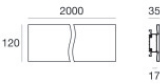
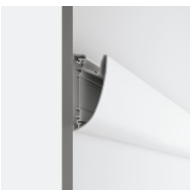
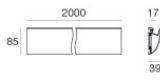



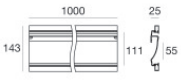
		LUNO_20/27 - Profili Modular	Code <u>C-K100017</u>
		LUNO_20/27	Code <u>C-K100018</u>
		Rive_17/16 - Profili Modular	Code <u>C-K100015</u>
		Rive_17/16 - Profili Modular	Code <u>C-K100016</u>
		Cela_18/18 - Profili Modular	Code <u>C-K100019</u>
		Cela_18/18 - Profili Modular	Code <u>C-K100020</u>
		Tabulo_35/14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



LED Strip | 640 topLED 68 W DC 24 V | 13.6 W/m | 2097.8 Lm/m | CRI >90

82164

Components

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



LED Strip | 640 topLED 68 W DC 24 V | 13.6 W/m | 2097.8 Lm/m | CRI >90

82164

Components

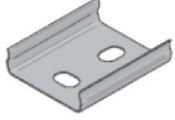
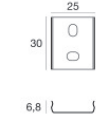

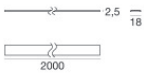














Fylo+ Direct_1

















Code

65180 - 65181



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



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



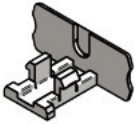
Diffuser
Material:PC, colour:opaline.

Finish
Opaline **Code**
C-K200007



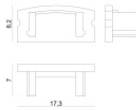
Diffuser
Material:PC, colour:black.

Finish
Black **Code**
C-K200009



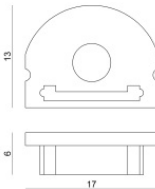
Closing cap

Code
98418



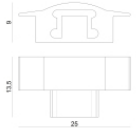
Closing cap - Closing cap
Material:PC, colour:white.

Code
98892



Closing cap

Code
98928



Closing cap

Code
98896



Closing cap

Code
98902



Closing cap
Material:Aluminium, colour:translucent.

Code
98907



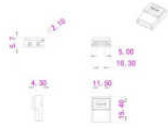
		<p>Closing cap Material:PC, colour:white.</p>	<p>Code <u>98922</u></p>
		<p>Closing cap Material:PC, colour:white.</p>	<p>Code <u>98918</u></p>
		<p>Closing cap Material:PC, colour:black.</p>	<p>Code <u>83133</u></p>
		<p>Closing cap Material:plastic, colour:grey.</p>	<p>Code <u>C-V400023</u></p>
		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



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



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



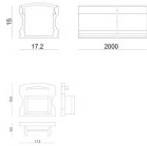
Connector
Length 15,4 mm.

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