Ink system_L

Systems - Lines | 175 topLED 8 W DC 24 V | CRI 90
83991W00

16 | 5
18 | 12
217
2724
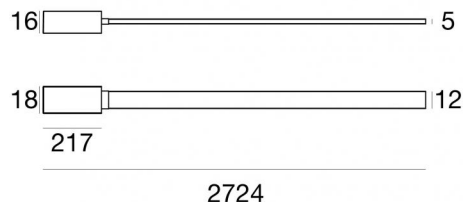
Technical data	
Designer	Linea Light
Construction year	2020
Type	Cabled - -
Installation position	Cable
Installation environment	Indoor
Light Source	LED
Circuit structure	topLED
Optics	Diffused
Light emission direction	downward
Nominal power	8 W DC
Source lumens	1010 lm
Input voltage range	24 V
Frequency	50-60 Hz
CCT / Tone	3000 K
Colour rendering index	90 Ra
C.C. / C.V.	CV
Safety class	3
IP	IP40
Glow wire test	650°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	No
C.V. - C.C. Converter	Converter 24V included
Dimmable article	DALI-2 - P2P
Directional	No
Tilting	No
Walk-over	No
Drive-over	No
Cable included	No
Resin potting	Yes
Type of light emission	Single emission
Net weight	0.996 Kg
Electrostatic discharge protection	No
Surge protection	No

Finishing casing	
Material	PU
Colour	white

Finishing mounting frame	
Material	PC
Colour	black RAL 9005
Processing	Coating

Electronics

81416
On/Off Driver 220~240V AC 120 W

81417
On/Off Driver 220~240V AC 180 W

84018
DALI - DALI-2 - P2P Controller 24V DC 150 W

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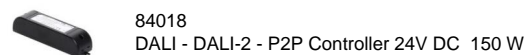
Systems - Lines | 175 topLED 8 W DC 24 V | CRI 90 | Base
83991W00

Single emission systems or lines for indoor application. The warm white LED light source with a diffused light distribution is composed of 175 topled LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 1010 lm, with a 126.3 lm/W nominal luminous efficacy.

The device body is made of pu and features a white finish; the mounting frame is made of PC, with a black ral 9005 finish, processed by means of coating. The ingress protection degree is IP40; the total weight is of 0.996 kg.

The total absorbed power is 8 W.

The device features protection class III and can be cable-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 G.

Illuminotechnical Features

Light Output Ratio (LOR)	67 %
Source lumens	1010 lm
Delivered lumens	677 lm
Consumption	8 W
Luminaire efficacy	84 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra
Junction temperature (lighting fixture)	80
Standard Operating Ambient Temperature	-20 / +50°C

LED Life / Failure Ratio

L70 B20 C0 72500h (at Tj 115 Ta 25)

UGR

UGR axial	22.6
UGR transversal	25
X=4H	Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C90/C270 optics	109°
C0/C180 optics	132°
Light distribution simmetry	Symmetrical 2 assis

cd/klm η = 100%

— C0/C180
— C90/C270

			E(0°)	881
0.5	1.41	E(C90) 54.7°	85
	2.23	E(C0) 65.8°	31
		E(0°)	220
1.0	2.82	E(C90) 54.7°	21
	4.45	E(C0) 65.8°	8
		E(0°)	98
1.5	4.24	E(C90) 54.7°	9
	6.68	E(C0) 65.8°	3
		E(0°)	55
2.0	5.65	E(C90) 54.7°	5
	8.90	E(C0) 65.8°	2
		E(0°)	35
2.5	7.06	E(C90) 54.7°	3
	11.13	E(C0) 65.8°	1
		E(0°)	24
3.0	8.47	E(C90) 54.7°	2
	13.35	E(C0) 65.8°	1
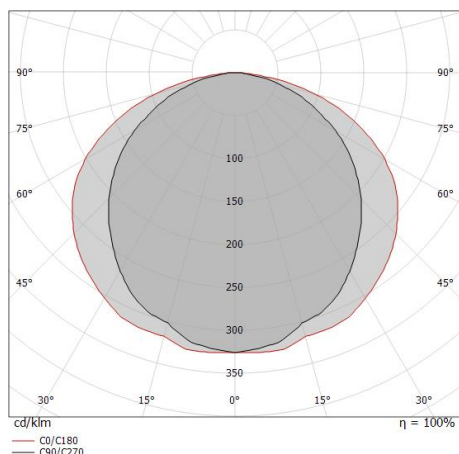
Distance [m]   Cone diameter [m]   Illuminance [lx]

— C0/C180 (Half-peak divergence: 131.6°)
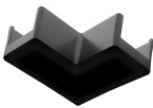— C90/C270 (Half-peak divergence: 109.4°)

Ink system_L

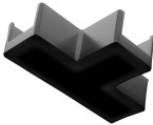Ink system_L | Lines | Accessories
83991W00
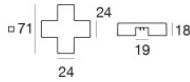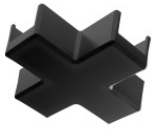
Junction
Type linear.
Material:PC, processing:Coating.

Code
81418

Junction - Electrified black L connector
Type linear.
Material:PC, processing:Coating.

Code
81419

Junction
Type linear.
Material:PC, processing:Coating.

Code
81420

Junction
Material:Aluminium, processing:Coating.

Finish | **Code**
83436

Junction

Code
83442

Junction
Material:Aluminium, processing:Coating.

Finish | **Code**
83438

Junction
Material:Aluminium, processing:Coating.

Finish | **Code**
83440

Cable
Type of cable power cable; Length 5000 mm; insulation double; section 1.5 mm²; cable gland: no; colors: black - red.

Code
81410

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Ink system_L

			Code
	Cable		
	Type of cable power cable; Length 10000 mm; insulation double; section 1.5 mm²; cable gland: no; colors: black - red.		81411
	Cable		
	Type of cable power cable; Length 1000 mm; insulation double; section 1.5 mm²; cable gland: no; colors: black - red.		84016
	Cable		
	Length 1000 mm; colors: black.		83445
	Cable		
	Length 1000 mm; colors: black.		83446
	Cables for suspension		
	Material:Aluminium, processing:Coating.		81425
	Cables for suspension		
	Material:Aluminium, processing:Coating.		83426
	Cables for suspension		
	Material:Aluminium, processing:Coating.		83443
	Profile - Kit 5 x		
	Material:Aluminium, colour:5G 9005 Black, processing:Coating.		81426

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Ink system_L | Lines | Accessories
83991W00

				Code
		Profile - Kit 2 x		**Code** 81430
		Material:Aluminium, colour:5G 9005 Black, processing:Coating.		

		Profile		**Code** 84010
		Material:Aluminium, processing:Coating.		

		Profile		**Code** 84011
		Material:Aluminium, processing:Coating.		

		Cable cover - 2X		**Code** 81423
		Material:Rubber, colour:black.		

		Cable cover - 2X		**Code** 81422
		Material:Iron, processing:Coating.		

		Cable cover		**Code** 81424
		Material:PC, processing:Coating.		

		Closing cap - Electrified black closing plug		**Code** 81421
		Material:PC, processing:Coating.		

		Tool		**Code** 81427

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Ink system_L | Lines | Accessories
83991W00

			Finish	Code
	Bracket - 2X			84017
	installation position: wall lights, ceiling.			
	Material:Aluminium, processing:Coating.			
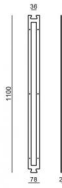
				Code
	Template			83186

			Finish	Code
	Track			83432
	Length: 1000mm.			
	Material:Aluminium, processing:Coating.			

			Finish	Code
	Track			83434
	Length: 2000mm.			
	Material:Aluminium, processing:Coating.			

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