Ink system_L

Systems - Lines | 72 topLED 22 W DC 24 V | CRI 90
83944W00

46

36

621
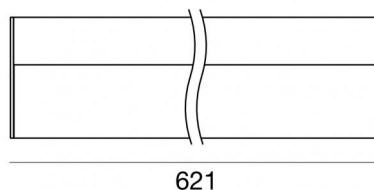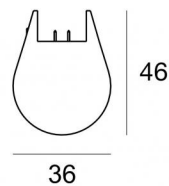
Technical data	
Type	Cabled - -
Installation position	Cable
Installation environment	Indoor
Light Source	LED
Circuit structure	topLED
Optics	Diffused
Light emission direction	downward
Nominal power	22 W DC
Source lumens	2080 lm
Input voltage range	24V
Frequency	50-60 Hz
CCT / Tone	3000 K
Colour rendering 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
Dimmable article	DALI - 1-10V - PUSH DIM
Directional	No
Tilting	No
Walk-over	No
Drive-over	No
Cable included	No
Resin potting	No
Type of light emission	Single emission
Net weight	0.365 Kg
Electrostatic discharge protection	No
Surge protection	No

Finishing casing	
Material	Aluminium
Processing	Coating

Finishing diffuser	
Material	PC
Colour	opaline

Electronics

81416
On/Off Driver 220~240V AC 120 W (1 - 5 art.)

81417
On/Off Driver 220~240V AC 180 W (1 - 8 art.)

83042
1-10V - Push and Simply Dim - DALI-2 Controller (1 - 13 art.)

linealight.com

Ink system_L

Systems - Lines | 72 topLED 22 W DC 24 V | CRI 90 | Base
**83944W00**

Single emission systems or lines for indoor application. The warm white LED light source with a diffused light distribution is composed of 72 topled LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 2080 lm, with a 94.5 lm/W nominal luminous efficacy.

The device body is made of aluminium, processed by means of coating; the diffuser is made of PC. The ingress protection degree is IP40; the total weight is of 0.365 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 22 W.

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

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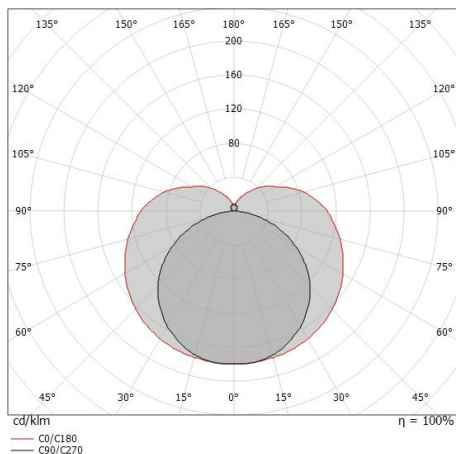
Energy efficiency class

This product contains 2 light sources of energy efficiency class F.

Illuminotechnical Features

Light Output Ratio (LOR)	64 %
Source lumens	2080 lm
Delivered lumens	1351 lm
Consumption	22 W
Luminaire efficacy	61 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	22.4
UGR transversal	25.4
X=4H	Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C90/C270 optics	116°
C0/C180 optics	180°
Light distribution simmetry	Symmetrical 2 assis

cd/klm   η = 100%
— C0/C180
— C90/C270

linealight.com

Ink system_L

			Code
	20	Cable cover	81424
	83 / 119	Material:PC, processing:Coating.	

			Code
	71 / 24 / 24 / 19 / 18	Junction Type linear. Material:PC, processing:Coating.	81418

			Code
	24 / 24 / 48 / 19 / 18	Junction - Electrified black L connector Type linear. Material:PC, processing:Coating.	81419

			Code
	48 / 71 / 24 / 18	Junction Type linear. Material:PC, processing:Coating.	81420

			Code
	39 / 24 / 18	Closing cap - Electrified black closing plug Material:PC, processing:Coating.	81421

			Code
	25 / 37 / 9 / 1200 / 12 / 8	Profile Material:Aluminium, processing:Coating.	84010

			Code
	25 / 37 / 9 / 1200 / 12 / 8	Profile Material:Aluminium, processing:Coating.	84011

			Finish	**Code**
	14 / 13 / 30	Bracket - 2X installation position: wall lights, ceiling. Material:Aluminium, processing:Coating.	⬛	84017

linealight.com

Ink system_L | Lines | Accessories
83944W00

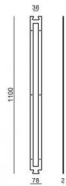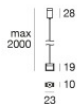|				**Code**
		Cable cover - 2X Material:Iron, processing:Coating.		81422
		Cable cover - 2X Material:Rubber, colour:black.		81423
		Cables for suspension Material:Aluminium, processing:Coating.		81425
		Template		83186
		Tool		81427
		Cables for suspension Material:Aluminium, processing:Coating.		83426
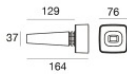
			Finish	**Code**
	Track Length: 1000mm. Material:Aluminium, processing:Coating.		▪	83432
	Track Length: 2000mm. Material:Aluminium, processing:Coating.		▪	83434

linealight.com

Ink system_L | Lines | Accessories
83944W00

		Finish	Code
Junction Material:Aluminium, processing:Coating.			83436
Junction Material:Aluminium, processing:Coating.			83438
Junction Material:Aluminium, processing:Coating.			83440
Junction			83442
Cables for suspension Material:Aluminium, processing:Coating.			83443
Cable Length 1000 mm; colors: black.			83445
Cable Length 1000 mm; colors: black.			83446
Profile - Kit 2 x Material:Aluminium, colour:5G 9005 Black, processing:Coating.			81430

linealight.com

Ink system_L | Lines | Accessories
83944W00

			Code
	Profile - Kit 5 x Material:Aluminium, colour:5G 9005 Black, processing:Coating.		81426

			Code
	Cable Type of cable power cable; Length 1000 mm; insulation double; section 1.5 mm²; cable gland: no; colors: black - red.		84016

			Code
	Cable Type of cable power cable; Length 10000 mm; insulation double; section 1.5 mm²; cable gland: no; colors: black - red.		81411

			Code
	Cable Type of cable power cable; Length 5000 mm; insulation double; section 1.5 mm²; cable gland: no; colors: black - red.		81410

linealight.com