Ink system_L UGR

Systems - Lines | 18 topLED 7 W DC 24 V | CRI 90
82918W30

28

23

305
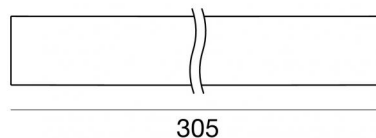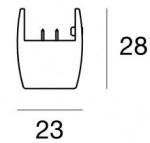
Technical data	
Construction year	2019
Type	Cabled - -
Installation position	Cable
Installation environment	Indoor
Light Source	LED
Circuit structure	topLED
Optics	Medium Flood
Light emission direction	downward
Nominal power	7 W DC
Source lumens	641 lm
Input voltage range	24V
Frequency	50-60 Hz
CCT / 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	0.19 Kg
Electrostatic discharge protection	No
Surge protection	No
Optics technology	Dark light

Finishing casing	
Material	Aluminium
Processing	Coating

Finishing diffuser	
Material	PC
Colour	5G 9005 Black
Processing	Coating

Electronics	
81416	On/Off Driver 220~240V AC 120 W (1 - 17 art.)
81417	On/Off Driver 220~240V AC 180 W (1 - 25 art.)
83042	1-10V - Push and Simply Dim - DALI-2 Controller (1 - 41 art.)

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Ink system_L UGR

Systems - Lines | 18 topLED 7 W DC 24 V | CRI 90 | Base
82918W30

Single emission systems or lines for indoor application. The warm white LED light source with a medium flood light distribution is composed of 18 topled LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 641 lm, with a 91.6 lm/W nominal luminous efficacy.

The device body is made of aluminium, processed by means of coating; the diffuser is made of PC with a coating treatment. The ingress protection degree is IP40; the total weight is of 0.19 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 7 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 F.

Illuminotechnical Features

Light Output Ratio (LOR)	40 %
Source lumens	641 lm
Delivered lumens	260 lm
Consumption	7 W
Luminaire efficacy	37 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	2.9
UGR transversal	9.8
X=4H	Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C90/C270 optics	33°
C0/C180 optics	37°
Light distribution simmetry	Symmetrical 2 assis

cd/klm   η = 99%
— C0/C180
— C90/C270

Distance [m]	Cone diameter [m]		Illuminance [lx]		
0.5	0.30 / 0.34	E(0°) / E(C90) / E(C0)	16.6° / 18.7°	2651 / 1167 / 1134
1.0	0.60 / 0.68	E(0°) / E(C90) / E(C0)	16.6° / 18.7°	663 / 292 / 283
1.5	0.89 / 1.02	E(0°) / E(C90) / E(C0)	16.6° / 18.7°	295 / 130 / 126
2.0	1.19 / 1.35	E(0°) / E(C90) / E(C0)	16.6° / 18.7°	166 / 73 / 71
2.5	1.49 / 1.69	E(0°) / E(C90) / E(C0)	16.6° / 18.7°	106 / 47 / 45
3.0	1.79 / 2.03	E(0°) / E(C90) / E(C0)	16.6° / 18.7°	74 / 32 / 31

— C0/C180 (Half-peak divergence: 37.4°)
— C90/C270 (Half-peak divergence: 33.2°)

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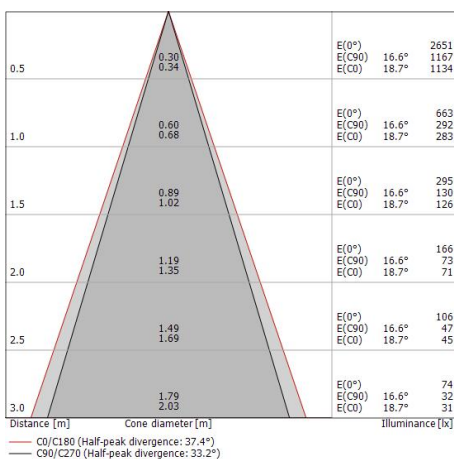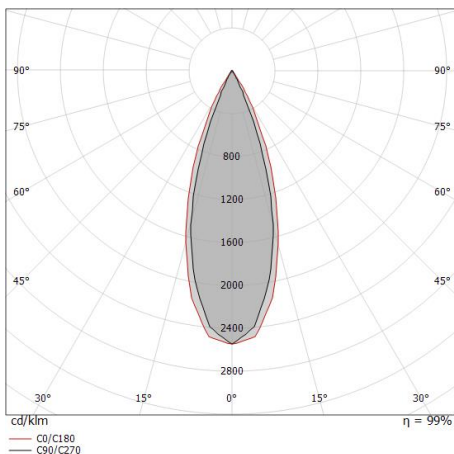
Ink system_L UGR | Lines | Accessories
82918W30

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

				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 / 24 / 71 / 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 / 8 / 12	Profile Material:Aluminium, processing:Coating.		84010

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

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

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Ink system_L UGR | Lines | Accessories
82918W30
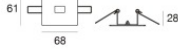
				Code
		Cable cover - 2X Material:Iron, processing:Coating.		**81422**
		Cable cover - 2X Material:Rubber, colour:black.		**81423**
		Cables for suspension Material:Aluminium, processing:Coating.		**81425**
		Template		**83186**
		Tool		**81427**
		Cables for suspension Material:Aluminium, processing:Coating.		**83426**
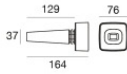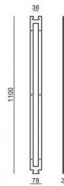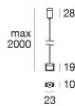
		Finish	Code
Track Length: 1000mm. Material:Aluminium, processing:Coating.			**83432**
Track Length: 2000mm. Material:Aluminium, processing:Coating.			**83434**

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		Finish	Code
Junction Material:Aluminium, processing:Coating.			83436
Junction Material:Aluminium, processing:Coating.			83438
Junction Material:Aluminium, processing:Coating.			83440

	Code
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

8 | 12 | 1000

Ink system_L UGR | Lines | Accessories
82918W30

			Code
		Profile - Kit 5 x Material:Aluminium, colour:5G 9005 Black, processing:Coating.	81426
		Cable Type of cable power cable; Length 1000 mm; insulation double; section 1.5 mm²; cable gland: no; colors: black - red.	84016
		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 5000 mm; insulation double; section 1.5 mm²; cable gland: no; colors: black - red.	81410

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