

LK-L 045.10830.1125.1/DALI



Description

- light-insert made from sheet steel with integrated LED modules
- no UV and thermal emissions
- almost all strip light lengths can be realised
- 5-pole through-wiring kit included
- curved PMMA diffuser for uniform light distribution
- tool-free snap-in fastening into profile
- 5-pole terminal block, pre-fabricated for 5-pole through-wiring
- ballast (LED converter DALI, dimmable) integrated

Notes

The linear thermal expansion of the aluminium profile is about 0.3 mm per meter at $\Delta T = 10$ Kelvin.

Standard options

4000 K

Special options

2700 K

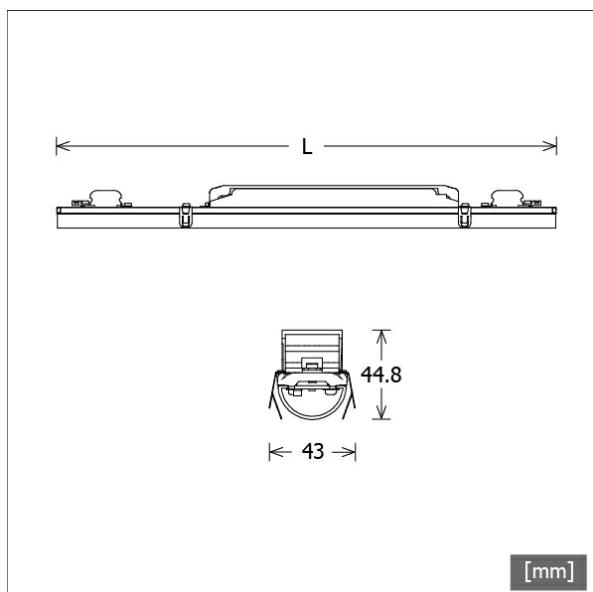
CRI 90
SDCM3

TWL

MinusBlue



Colours	Article no.	EAN
	669405	4043544810816

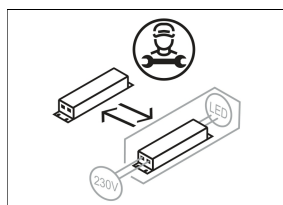
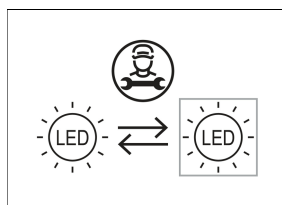


Lighting data / Norms

Lamps	LED linear / CRI 80 / 3000 K
Lifetime	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
System power	16.4 W
Luminaire luminous flux	max. 2310 lm
System efficiency	132.92 lm/W
Module efficiency	193.00 lm/W
UGR class	≤28
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	I

Dimensions / Weights

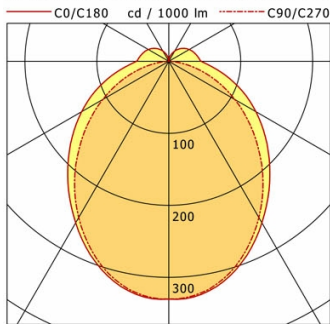
Length	1125 mm
Width	43 mm
Height	44 mm
Net weight	0.98 kg
Gross weight	1.18 kg



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Lichtkanal 045 | Light-Insert (AOV-002/005.2, 1xLED 16W 830/3000K 2180lm)



	C0	C90	C180	C270
0°	330	330	330	330
30°	259	251	259	251
60°	140	106	140	106
90°	45	1	45	1
120°	33	0	33	0
150°	16	1	16	1
180°	1	1	1	1

cd / 1000 lm

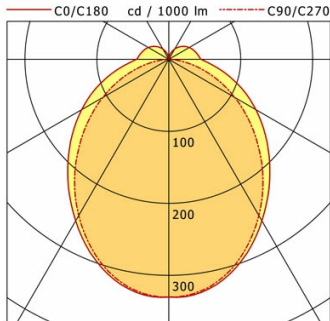
Offset [m]	Cone width [m]		Illuminance [lx]
	C0-C180 Plane	C90-C270 Plane	
3.0	8.04	6.56	80.0
6.0	16.09	13.11	20.0
9.0	24.13	19.67	8.9
12.0	32.18	26.23	5.0
15.0	40.22	32.78	3.2

η	LED
Efficiency	136 lm/W
Direct/Indirect	↓ 89% / ↑ 11%
System Power	16 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	26.7
UGR C90/C270	23.4
CIE Flux Codes	47 76 92 89 100
Ra/CRI	>80

LTS

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Lichtkanal 045 | Light-Insert (AOV-001/003/005.1, 1xLED 16W 830/3000K 2180lm)



	C0	C90	C180	C270
0°	330	330	330	330
30°	259	251	259	251
60°	140	106	140	106
90°	45	1	45	1
120°	33	0	33	0
150°	16	1	16	1
180°	1	1	1	1

cd / 1000 lm

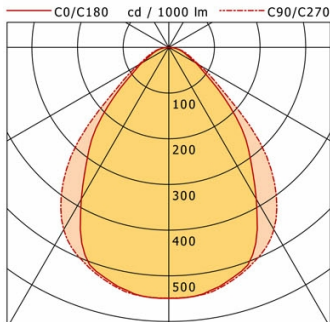
Offset [m]	Cone width [m]		Illuminance [lx]
	C0-C180 Plane	C90-C270 Plane	
3.0	8.04	6.56	80.0
6.0	16.09	13.11	20.0
9.0	24.13	19.67	8.9
12.0	32.18	26.23	5.0
15.0	40.22	32.78	3.2

η	LED
Efficiency	136 lm/W
Direct/Indirect	↓ 89% / ↑ 11%
System Power	16 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	26.7
UGR C90/C270	23.4
CIE Flux Codes	47 76 92 89 100
Ra/CRI	>80

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Lichtkanal 045 | Light-Insert (APB, 1xLED 16W 830/3000K 2240lm)



	C0	C90	C180	C270
0°	549	549	549	549
15°	525	529	525	529
30°	384	461	384	461
45°	199	267	199	267
60°	69	76	69	76
75°	27	32	27	32
90°	0	0	0	0

cd / 1000 lm

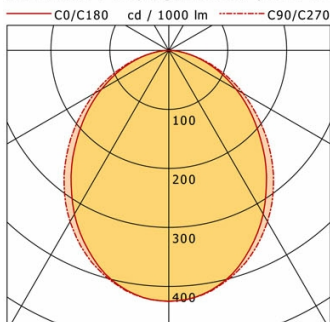
Offset [m]	Cone width [m]		Illuminance [lx]
	C0-C180 Plane	C90-C270 Plane	
3.0	4.83	5.91	136.7
6.0	9.67	11.81	34.2
9.0	14.50	17.72	15.2
12.0	19.34	23.62	8.5
15.0	24.17	29.53	5.5

η	LED
Efficiency	140 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	16 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.3
UGR C90/C270	21.9
CIE Flux Codes	67 91 98 100 100
Ra/CRI	>80

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Lichtkanal 045 | Light-Insert (AOB, 1xLED 16W 830/3000K 2310lm)



	C0	C90	C180	C270
0°	425	425	425	425
15°	397	400	397	400
30°	320	335	320	335
45°	223	244	223	244
60°	132	146	132	146
75°	54	57	54	57
90°	1	0	1	0

cd / 1000 lm

Offset [m]	Cone width [m]		Illuminance [lx]
	C0-C180 Plane	C90-C270 Plane	
3.0	6.35	7.06	109.2
6.0	12.71	14.13	27.3
9.0	19.06	21.19	12.1
12.0	25.41	28.26	6.8
15.0	31.76	35.32	4.4

η	LED
Efficiency	144 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	16 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	25.0
UGR C90/C270	25.1
CIE Flux Codes	52 82 96 100 100
Ra/CRI	>80

LTS