

LK-LED 070.1040.1685.1



Description

- light-insert with integrated LED strips
- reflector made from white-painted aluminium
- 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 snapping into Lichtkanal profile
- 5-pole terminal block, pre-fabricated for through-wiring
- ballast (LED converter) integrated

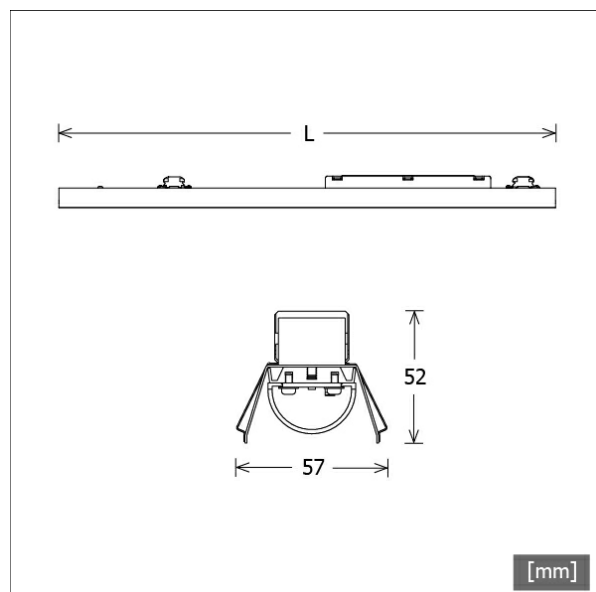
Notes

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

Standard options



Colours	Article no.	EAN
	664880	4043544740168

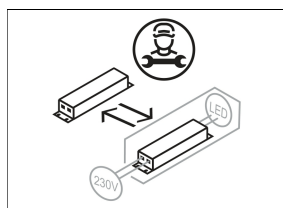
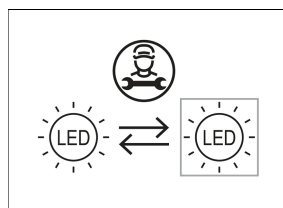


Lighting data / Norms

Lamps	LED linear / CRI 80 / 4000 K
Lifetime	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
System power	27.4 W
Luminaire luminous flux	max. 3020 lm
System efficiency	110.21 lm/W
Module efficiency	164.17 lm/W
UGR class	≤25
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	I

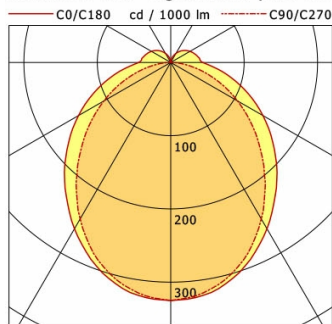
Dimensions / Weights

Length	1685 mm
Width	57 mm
Height	52 mm
Net weight	2.12 kg
Gross weight	2.24 kg



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Lichtkanal 070 - Light-Insert (AOV-001/003/005.1, 1xLED 27W 840/4000K 3020lm)



	C0	C90	C180	C270
0°	325	325	325	325
30°	262	247	262	247
60°	145	105	145	105
90°	43	1	43	1
120°	30	1	30	1
150°	14	1	14	1
180°	0	0	0	0

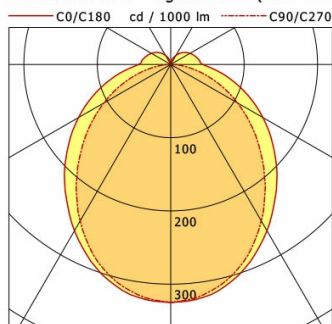
cd / 1000 lm

Offset [m]	Cone width [m]		Illuminance [lx]
	C0-C180 Plane	C90-C270 Plane	
3.0	8.76	6.55	109.1
6.0	17.52	13.10	27.3
9.0	26.28	19.65	12.1
12.0	35.03	26.21	6.8
15.0	43.79	32.76	4.4

η	LED
Efficiency	112 lm/W
Direct/Indirect	↓ 89% / ↑ 11%
System Power	27 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	25.2
UGR C90/C270	21.9
CIE Flux Codes	46 75 92 89 100
Ra/CRI	>80

LTS

Lichtkanal 070 - Light-Insert (AOV-002/005.2, 1xLED 27W 840/4000K 3020lm)



	C0	C90	C180	C270
0°	325	325	325	325
30°	262	247	262	247
60°	145	105	145	105
90°	43	1	43	1
120°	30	1	30	1
150°	14	1	14	1
180°	0	0	0	0

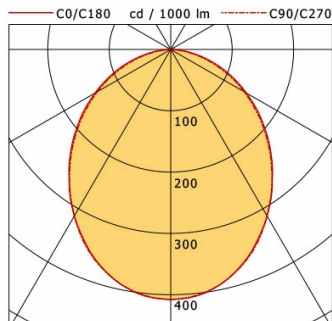
cd / 1000 lm

Offset [m]	Cone width [m]		Illuminance [lx]
	C0-C180 Plane	C90-C270 Plane	
3.0	8.76	6.55	109.1
6.0	17.52	13.10	27.3
9.0	26.28	19.65	12.1
12.0	35.03	26.21	6.8
15.0	43.79	32.76	4.4

η	LED
Efficiency	112 lm/W
Direct/Indirect	↓ 89% / ↑ 11%
System Power	27 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	25.2
UGR C90/C270	21.9
CIE Flux Codes	46 75 92 89 100
Ra/CRI	>80

LTS

Lichtkanal 070 - Light-Insert (AOB, 1xLED 27W 840/4000K 2800lm)



	C0	C90	C180	C270
0°	408	408	408	408
15°	382	382	382	382
30°	314	314	314	314
45°	229	226	229	226
60°	142	138	142	138
75°	61	56	61	56
90°	1	0	1	0

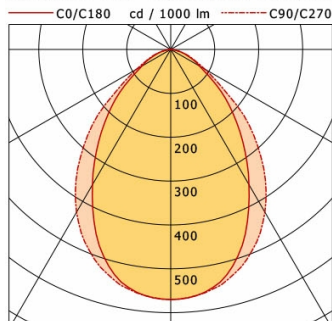
cd / 1000 lm

Offset [m]	Cone width [m]		Illuminance [lx]
	C0-C180 Plane	C90-C270 Plane	
3.0	6.97	6.84	126.9
6.0	13.95	13.68	31.7
9.0	20.92	20.53	14.1
12.0	27.89	27.37	7.9
15.0	34.87	34.21	5.1

η	LED
Efficiency	104 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	27 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	23.4
UGR C90/C270	23.0
CIE Flux Codes	51 81 96 100 100
Ra/CRI	>80

LTS

Lichtkanal 070 - Light-Insert (APB, 1xLED 27W 840/4000K 2590lm)



	C0	C90	C180	C270
0°	570	570	570	570
15°	521	535	521	535
30°	356	428	356	428
45°	195	260	195	260
60°	76	89	76	89
75°	26	28	26	28
90°	0	0	0	0

cd / 1000 lm

Offset [m]	Cone width [m]		Illuminance [lx]
	C0-C180 Plane	C90-C270 Plane	
3.0	4.40	5.57	164.0
6.0	8.80	11.14	41.0
9.0	13.20	16.72	18.2
12.0	17.60	22.29	10.3
15.0	22.00	27.86	6.6

η	LED
Efficiency	96 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	27 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	18.9
UGR C90/C270	19.9
CIE Flux Codes	65 90 98 100 100
Ra/CRI	>80

LTS