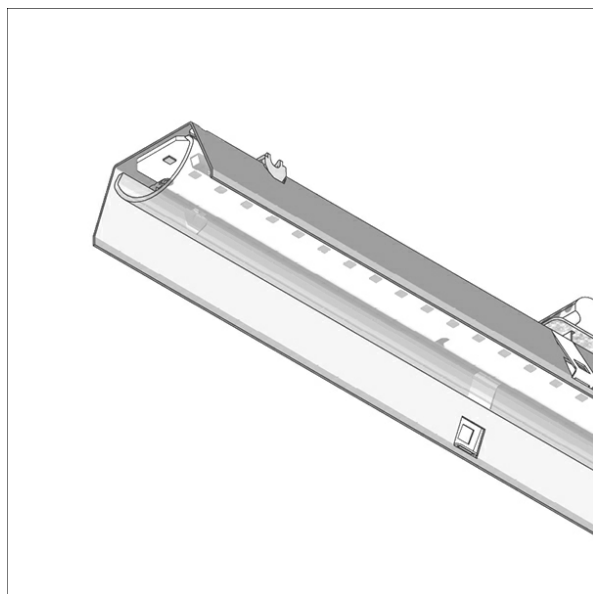


LK-LED 070.0730.1685.1



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

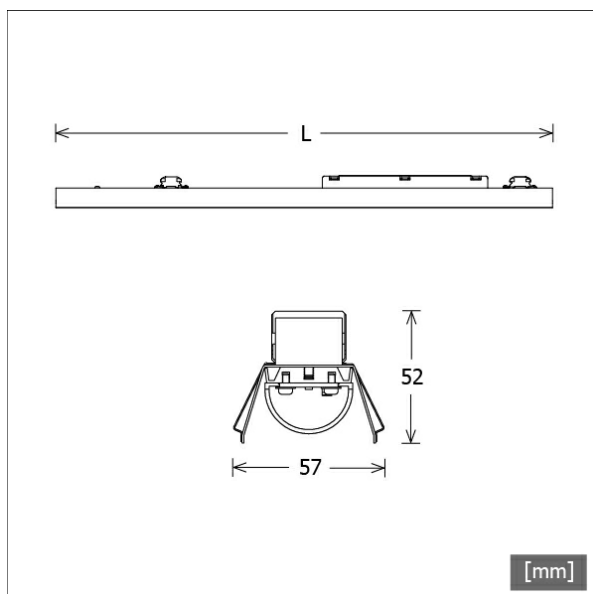
Notes

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
	664837	4043544739735



Lighting data / Norms

Lamps	LED linear / CRI 80 / 3000 K
EPREL light sources	833877
	L90 B50 50.000 h
	L80 B50 100.000 h
	L80 B20 50.000 h
Lifetime	
System power	18.8 W
Luminaire luminous flux	max. 1960 lm
System efficiency	104.25 lm/W
Module efficiency	178.36 lm/W
UGR class	≤25
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	I

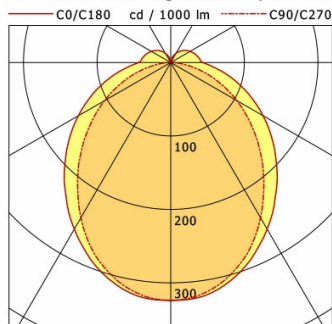
Dimensions / Weights

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



LK-LED 070.0730.1685.1

Lichtkanal 070 - Light-Insert (AOV-001/003/005.1, 1xLED 19W 830/3000K 1960lm)



	C0	C90	C180	C270
0°	324	324	324	324
30°	262	244	262	244
60°	145	104	145	104
90°	43	2	43	2
120°	30	1	30	1
150°	15	1	15	1
180°	0	0	0	0

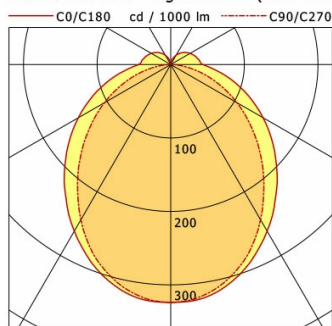
cd / 1000 lm

Offset [m]	Cone width [m]		Illuminance [lx]
	C0-C180 Plane	C90-C270 Plane	
3.0	8.79	6.49	70.6
6.0	17.57	12.98	17.6
9.0	26.36	19.48	7.8
12.0	35.15	25.97	4.4
15.0	43.94	32.46	2.8

η	LED
Efficiency	103 lm/W
Direct/Indirect	↓ 89% / ↑ 11%
System Power	19 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	23.7
UGR C90/C270	20.4
CIE Flux Codes	46 75 92 89 100
Ra/CRI	>80

LTS

Lichtkanal 070 - Light-Insert (AOV-002/005.2, 1xLED 19W 830/3000K 1960lm)



	C0	C90	C180	C270
0°	324	324	324	324
30°	262	244	262	244
60°	145	104	145	104
90°	43	2	43	2
120°	30	1	30	1
150°	15	1	15	1
180°	0	0	0	0

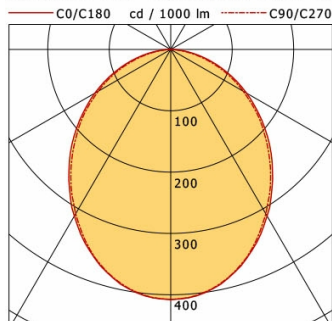
cd / 1000 lm

Offset [m]	Cone width [m]		Illuminance [lx]
	C0-C180 Plane	C90-C270 Plane	
3.0	8.79	6.49	70.6
6.0	17.57	12.98	17.6
9.0	26.36	19.48	7.8
12.0	35.15	25.97	4.4
15.0	43.94	32.46	2.8

η	LED
Efficiency	103 lm/W
Direct/Indirect	↓ 89% / ↑ 11%
System Power	19 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	23.7
UGR C90/C270	20.4
CIE Flux Codes	46 75 92 89 100
Ra/CRI	>80

LTS

Lichtkanal 070 - Light-Insert (AOB, 1xLED 19W 830/3000K 1800lm)



	C0	C90	C180	C270
0°	408	408	408	408
15°	381	381	381	381
30°	314	310	314	310
45°	229	223	229	223
60°	143	136	143	136
75°	62	55	62	55
90°	1	0	1	0

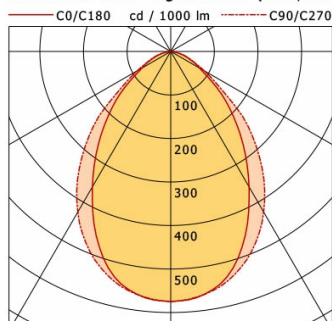
cd / 1000 lm

Offset [m]	Cone width [m]		Illuminance [lx]
	C0-C180 Plane	C90-C270 Plane	
3.0	6.98	6.72	81.5
6.0	13.96	13.44	20.4
9.0	20.94	20.15	9.1
12.0	27.92	26.87	5.1
15.0	34.90	33.59	3.3

η	LED
Efficiency	95 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	19 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.9
UGR C90/C270	21.5
CIE Flux Codes	51 81 96 100 100
Ra/CRI	>80

LTS

Lichtkanal 070 - Light-Insert (APB, 1xLED 19W 830/3000K 1680lm)



	C0	C90	C180	C270
0°	575	575	575	575
15°	526	538	526	538
30°	359	426	359	426
45°	197	258	197	258
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	4.41	5.49	107.3
6.0	8.82	10.99	26.8
9.0	13.23	16.48	11.9
12.0	17.64	21.97	6.7
15.0	22.05	27.46	4.3

η	LED
Efficiency	88 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	19 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.5
UGR C90/C270	18.3
CIE Flux Codes	65 90 98 100 100
Ra/CRI	>80

LTS