

LK-L 060.10830.1405.1/DALI



Description

- light-insert with integrated LED strips
- reflector made from traffic white painted aluminium sheet
- no UV and thermal emissions
- almost all strip light lengths can be realised
- 5-pole through-wiring kit included
- pMMA matt foil for uniform light distribution
- tool-free snapping into Lichtkanal profile via mounting springs
- 5-pole terminal block, pre-fabricated for 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.

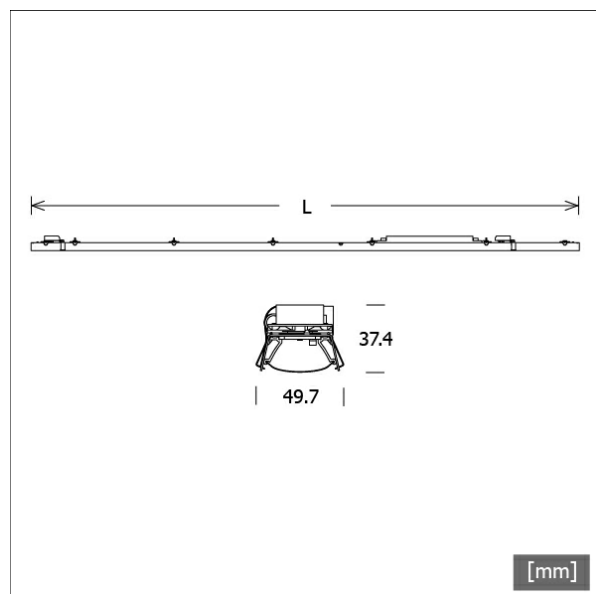
Standard options

4000 K

Colours	Article no.	EAN
	667894	4043544795427

Special options

2700 K

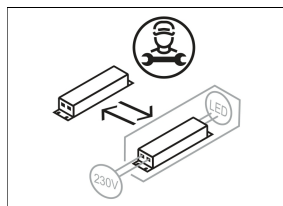
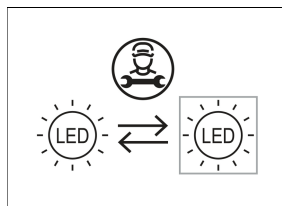
CRI 90
SDCM3

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	20.7 W
Luminaire luminous flux	max. 3260 lm
System efficiency	150.24 lm/W
Module efficiency	193.00 lm/W
UGR class	≤28
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	I

Dimensions / Weights

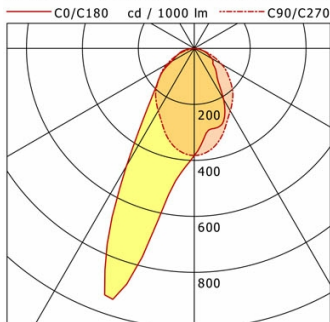
Length	1405 mm
Width	50 mm
Height	37 mm
Net weight	1.10 kg
Gross weight	1.16 kg



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Lichtkanal 060 | Light-Insert (Wallwasher nanoOptix, 1xLED 21W 830/3000K 3110lm)



	C0	C90	C180	C270
0°	383	383	383	383
15°	295	342	826	342
30°	210	258	485	258
45°	109	189	193	189
60°	72	112	94	112
75°	33	35	50	35
90°	0	0	0	0

cd / 1000 lm

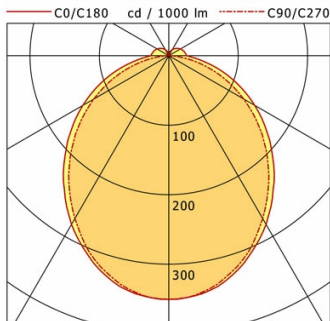
LDC unsuitable for cone representation.
Asymmetric LDC.

η	LED
Efficiency	148 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.9
UGR C90/C270	24.3
CIE Flux Codes	58 85 97 100 100
Ra/CRI	>80

LTS

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Lichtkanal 060 | Light-Insert (AOV-002/005.2, 1xLED 21W 830/3000K 3080lm)



	C0	C90	C180	C270
0°	351	351	351	351
15°	332	328	332	328
30°	280	271	280	271
45°	213	200	213	200
60°	143	125	143	125
75°	74	51	74	51
90°	26	1	26	1

cd / 1000 lm

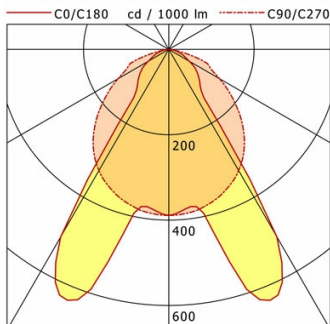
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	7.97 7.16	120.0
6.0	15.93 14.33	30.0
9.0	23.90 21.49	13.3
12.0	31.86 28.66	7.5
15.0	39.83 35.82	4.8

η	LED
Efficiency	147 lm/W
Direct/Indirect	↓ 93% / ↑ 7%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	25.8
UGR C90/C270	24.1
CIE Flux Codes	48 78 94 93 100
Ra/CRI	>80

LTS

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Lichtkanal 060 | Light-Insert (Batwing/Wide Beam nanoOptix, 1xLED 21W 830/3000K 3260lm)



	C0	C90	C180	C270
0°	389	389	389	389
15°	482	373	482	373
30°	507	328	507	328
45°	102	243	102	243
60°	55	138	55	138
75°	21	53	21	53
90°	0	0	0	0

cd / 1000 lm

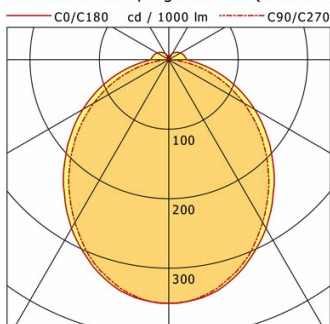
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	7.84 3.78	140.9
6.0	7.68 7.57	35.2
9.0	11.52 11.35	15.7
12.0	15.36 15.13	8.8
15.0	19.20 18.92	5.6

η	LED
Efficiency	155 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	19.1
UGR C90/C270	25.4
CIE Flux Codes	64 90 98 100 100
Ra/CRI	>80

LTS

LK-L 060.10830.1405.1/DALI

Lichtkanal 060 | Light-Insert (AOV-001/003/005.1, 1xLED 21W 830/3000K 3080lm)



	C0	C90	C180	C270
0°	351	351	351	351
15°	332	328	332	328
30°	280	271	280	271
45°	213	200	213	200
60°	143	125	143	125
75°	74	51	74	51
90°	26	1	26	1

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	7.97 7.16	120.0
6.0	15.93 14.33	30.0
9.0	23.90 21.49	13.3
12.0	31.86 28.66	7.5
15.0	39.83 35.82	4.8

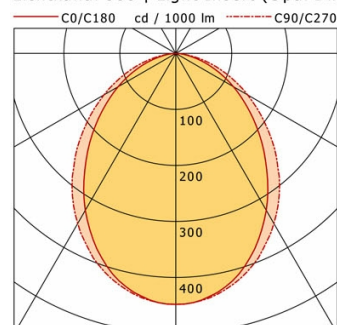
η	LED
Efficiency	147 lm/W
Direct/Indirect	↓ 93% / ↑ 7%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	25.8
UGR C90/C270	24.1
CIE Flux Codes	48 78 94 93 100
Ra/CRI	>80

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Lichtkanal 060 | Light-Insert (Opal Diffuse, 1xLED 21W 830/3000K 3140lm)



	C0	C90	C180	C270
0°	448	448	448	448
15°	414	422	414	422
30°	323	351	323	351
45°	214	253	214	253
60°	119	148	119	148
75°	42	58	42	58
90°	0	0	0	0

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	5.72 6.90	156.3
6.0	11.45 13.79	39.1
9.0	17.17 20.69	17.4
12.0	22.89 27.58	9.8
15.0	28.62 34.48	6.3

Diagram showing the light distribution pattern for the LK-L 060.10830.1405.1/DALI light insert. The diagram is a circular beam spread with concentric circles representing illuminance levels (100, 200, 300, 400 cd/1000lm) and radial lines representing beam angles (0°, 15°, 30°, 45°, 60°, 75°, 90°). The beam is wider at the bottom, reaching 90°.

η	LED
Efficiency	150 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	23.5
UGR C90/C270	24.7
CIE Flux Codes	54 84 97 100 100
Ra/CRI	>80

LTS

LK-L 060.10830.1405.1/DALI

Lichtkanal 060 | Light-Insert (Deep Beam nanoOptix, 1xLED 21W 830/3000K 3240lm)



	C0	C90	C180	C270
0°	662	662	662	662
15°	624	670	624	670
30°	161	710	161	710
45°	100	843	100	843
60°	54	374	54	374
75°	25	42	25	42
90°	0	0	0	0

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.33 9.68	238.2
6.0	4.66 19.36	59.6
9.0	6.99 29.04	26.5
12.0	9.32 38.72	14.9
15.0	11.65 48.39	9.5

Diagram showing the light distribution pattern for the LK-L 060.10830.1405.1/DALI light insert. The diagram is a circular beam spread with concentric circles representing illuminance levels (200, 400, 600, 800, 1000 cd/1000lm) and radial lines representing beam angles (0°, 15°, 30°, 45°, 60°, 75°, 90°). The beam is wider at the bottom, reaching 90°.

η	LED
Efficiency	154 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	21 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	19.2
UGR C90/C270	24.2
CIE Flux Codes	68 90 98 100 100
Ra/CRI	>80

LTS