

## LK-L 070.11840.0705.1/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

3000 K

| Colours | Article no. | EAN           |
|---------|-------------|---------------|
|         | 668067      | 4043544797247 |

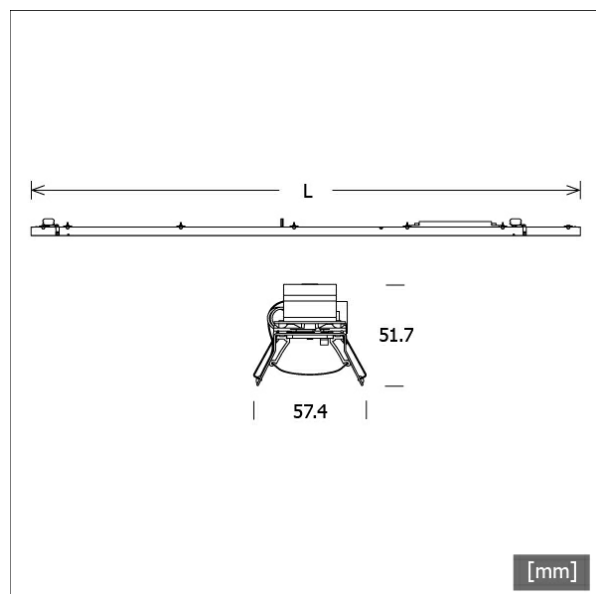
## Special options

2700 K

CRI 90  
SDCM3

TWL

TWPI



[mm]

## 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

15.9 W

## Luminaire luminous flux

max. 2720 lm

## System efficiency

171.06 lm/W

## Module efficiency

205.00 lm/W

## UGR class

≤28

## Supply voltage

220 - 240 V / 50 - 60 Hz

## Protection class

I

## Dimensions / Weights

## Length

705 mm

## Width

57 mm

## Height

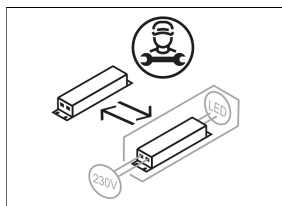
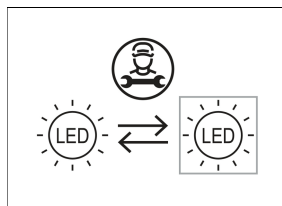
52 mm

## Net weight

1.14 kg

## Gross weight

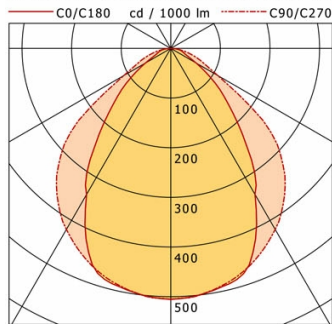
1.20 kg



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Lichtkanal 070 | Light-Insert (APB, 1xLED 16W 840/4000K 2720lm)



|     | C0  | C90 | C180 | C270 |
|-----|-----|-----|------|------|
| 0°  | 505 | 505 | 505  | 505  |
| 15° | 487 | 482 | 487  | 482  |
| 30° | 340 | 421 | 340  | 421  |
| 45° | 170 | 316 | 170  | 316  |
| 60° | 59  | 109 | 59   | 109  |
| 75° | 24  | 38  | 24   | 38   |
| 90° | 1   | 0   | 1    | 0    |

cd / 1000 lm

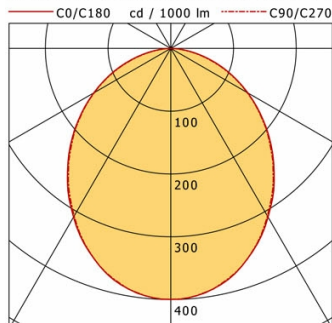
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 4.63   7.36    | 152.7            |
| 6.0        | 9.25   14.72   | 38.2             |
| 9.0        | 13.88   22.08  | 17.0             |
| 12.0       | 18.51   29.44  | 9.5              |
| 15.0       | 23.14   36.80  | 6.1              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 170 lm/W         |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 16 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | 21.8             |
| UGR C90/C270       | 24.2             |
| CIE Flux Codes     | 63 89 98 100 100 |
| Ra/CRI             | >80              |

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## LK-L 070.11840.0705.1/DALI

Lichtkanal 070 | Light-Insert (AOB, 1xLED 16W 840/4000K 2570lm)



|     | C0  | C90 | C180 | C270 |
|-----|-----|-----|------|------|
| 0°  | 400 | 400 | 400  | 400  |
| 15° | 376 | 375 | 376  | 375  |
| 30° | 310 | 308 | 310  | 308  |
| 45° | 228 | 226 | 228  | 226  |
| 60° | 142 | 141 | 142  | 141  |
| 75° | 61  | 58  | 61   | 58   |
| 90° | 1   | 1   | 1    | 1    |

cd / 1000 lm

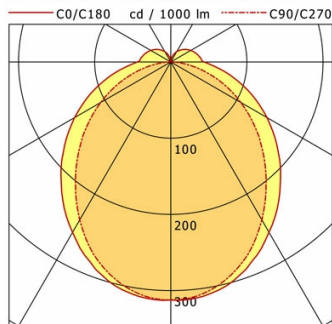
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 7.15   7.08    | 114.1            |
| 6.0        | 14.31   14.16  | 28.5             |
| 9.0        | 21.46   21.25  | 12.7             |
| 12.0       | 28.62   28.33  | 7.1              |
| 15.0       | 35.77   35.41  | 4.6              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 161 lm/W         |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 16 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | 26.1             |
| UGR C90/C270       | 26.0             |
| CIE Flux Codes     | 50 81 96 100 100 |
| Ra/CRI             | >80              |

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## LK-L 070.11840.0705.1/DALI

Lichtkanal 070 | Light-Insert (AOV-002/005.2, 1xLED 16W 840/4000K 2420lm)



|      | C0  | C90 | C180 | C270 |
|------|-----|-----|------|------|
| 0°   | 312 | 312 | 312  | 312  |
| 30°  | 258 | 240 | 258  | 240  |
| 60°  | 146 | 106 | 146  | 106  |
| 90°  | 44  | 1   | 44   | 1    |
| 120° | 30  | 0   | 30   | 0    |
| 150° | 16  | 1   | 16   | 1    |
| 180° | 1   | 1   | 1    | 1    |

cd / 1000 lm

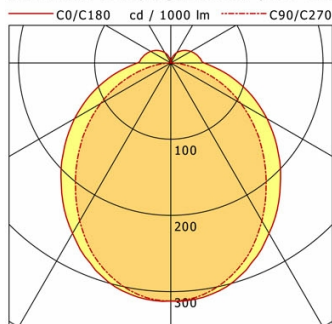
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 9.32   6.81    | 84.0             |
| 6.0        | 18.63   13.62  | 21.0             |
| 9.0        | 27.95   20.44  | 9.3              |
| 12.0       | 37.26   27.25  | 5.2              |
| 15.0       | 46.58   34.06  | 3.4              |

|                    |                 |
|--------------------|-----------------|
| <b>η</b>           | LED             |
| Efficiency         | 151 lm/W        |
| Direct/Indirect    | ↓ 89% / ↑ 11%   |
| System Power       | 16 W            |
| <b>UGR</b>         | X=4H, Y=8H      |
| Reflection factors | 70/50/20        |
| UGR C0/C180        | 27.5            |
| UGR C90/C270       | 24.4            |
| CIE Flux Codes     | 45 75 92 89 100 |
| Ra/CRI             | >80             |

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## LK-L 070.11840.0705.1/DALI

Lichtkanal 070 | Light-Insert (AOV-001/003/005.1, 1xLED 16W 840/4000K 2420lm)



|      | C0  | C90 | C180 | C270 |
|------|-----|-----|------|------|
| 0°   | 312 | 312 | 312  | 312  |
| 30°  | 258 | 240 | 258  | 240  |
| 60°  | 146 | 106 | 146  | 106  |
| 90°  | 44  | 1   | 44   | 1    |
| 120° | 30  | 0   | 30   | 0    |
| 150° | 16  | 1   | 16   | 1    |
| 180° | 1   | 1   | 1    | 1    |

cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 9.32   6.81    | 84.0             |
| 6.0        | 18.63   13.62  | 21.0             |
| 9.0        | 27.95   20.44  | 9.3              |
| 12.0       | 37.26   27.25  | 5.2              |
| 15.0       | 46.58   34.06  | 3.4              |

|                    |                 |
|--------------------|-----------------|
| <b>η</b>           | LED             |
| Efficiency         | 151 lm/W        |
| Direct/Indirect    | ↓ 89% / ↑ 11%   |
| System Power       | 16 W            |
| <b>UGR</b>         | X=4H, Y=8H      |
| Reflection factors | 70/50/20        |
| UGR C0/C180        | 27.5            |
| UGR C90/C270       | 24.4            |
| CIE Flux Codes     | 45 75 92 89 100 |
| Ra/CRI             | >80             |

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