

# LK-L 070.10840.2245.1/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.

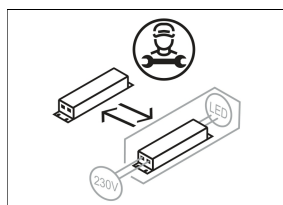
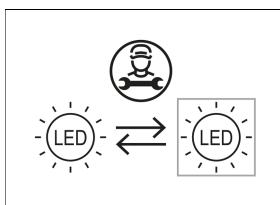
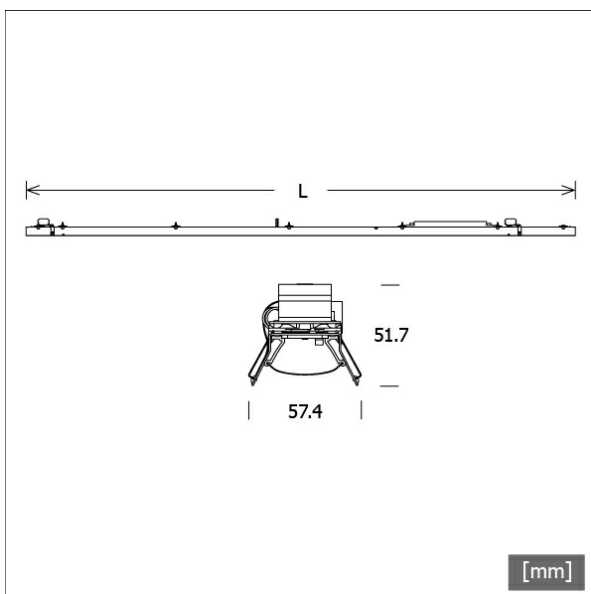
## Standard options



## Special options



| Colours | Article no. | EAN           |
|---------|-------------|---------------|
|         | 668051      | 4043544797087 |



## Lighting data / Norms

|                                |                                                           |
|--------------------------------|-----------------------------------------------------------|
| <b>Lamps</b>                   | LED linear / CRI 80 / 4000 K                              |
| <b>Lifetime</b>                | L90 B50 50.000 h<br>L80 B50 100.000 h<br>L80 B20 50.000 h |
| <b>System power</b>            | 33.1 W                                                    |
| <b>Luminaire luminous flux</b> | max. 5650 lm                                              |
| <b>System efficiency</b>       | 170.69 lm/W                                               |
| <b>Module efficiency</b>       | 205.00 lm/W                                               |
| <b>UGR class</b>               | ≤28                                                       |
| <b>Supply voltage</b>          | 220 - 240 V / 50 - 60 Hz                                  |
| <b>Protection class</b>        | I                                                         |

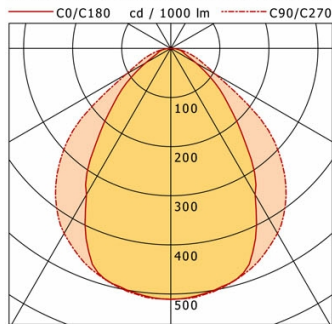
## Dimensions / Weights

|                     |         |
|---------------------|---------|
| <b>Length</b>       | 2245 mm |
| <b>Width</b>        | 57 mm   |
| <b>Height</b>       | 52 mm   |
| <b>Net weight</b>   | 2.87 kg |
| <b>Gross weight</b> | 3.02 kg |

# LK-L 070.10840.2245.1/DALI

## LK-L 070.10840.2245.1/DALI

Lichtkanal 070 | Light-Insert (APB, 1xLED 33W 840/4000K 5650lm)



|     | C0  | C90 | C180 | C270 |
|-----|-----|-----|------|------|
| 0°  | 511 | 511 | 511  | 511  |
| 15° | 491 | 492 | 491  | 492  |
| 30° | 344 | 435 | 344  | 435  |
| 45° | 171 | 317 | 171  | 317  |
| 60° | 59  | 106 | 59   | 106  |
| 75° | 24  | 37  | 24   | 37   |
| 90° | 0   | 0   | 0    | 0    |

cd / 1000 lm

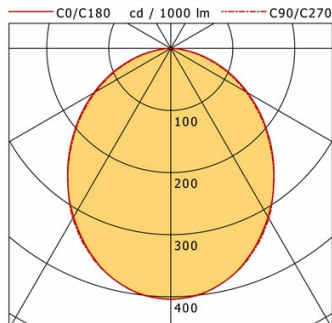
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 4.61   7.23    | 320.7            |
| 6.0        | 9.23   14.46   | 80.2             |
| 9.0        | 13.84   21.69  | 35.6             |
| 12.0       | 18.46   28.93  | 20.0             |
| 15.0       | 23.07   36.16  | 12.8             |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 171 lm/W         |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 33 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | 20.3             |
| UGR C90/C270       | 22.6             |
| CIE Flux Codes     | 63 90 98 100 100 |
| Ra/CRI             | >80              |

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## LK-L 070.10840.2245.1/DALI

Lichtkanal 070 | Light-Insert (AOB, 1xLED 33W 840/4000K 5330lm)



|     | C0  | C90 | C180 | C270 |
|-----|-----|-----|------|------|
| 0°  | 404 | 404 | 404  | 404  |
| 15° | 380 | 380 | 380  | 380  |
| 30° | 314 | 316 | 314  | 316  |
| 45° | 230 | 228 | 230  | 228  |
| 60° | 144 | 140 | 144  | 140  |
| 75° | 61  | 57  | 61   | 57   |
| 90° | 1   | 1   | 1    | 1    |

cd / 1000 lm

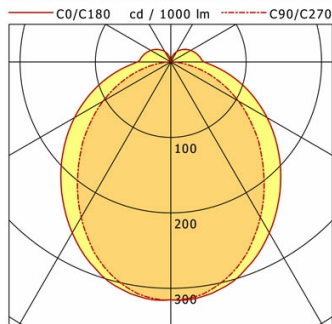
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 7.11   7.01    | 239.4            |
| 6.0        | 14.22   14.02  | 59.8             |
| 9.0        | 21.33   21.02  | 26.6             |
| 12.0       | 28.43   28.03  | 15.0             |
| 15.0       | 35.54   35.04  | 9.6              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 162 lm/W         |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 33 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | 24.6             |
| UGR C90/C270       | 24.3             |
| CIE Flux Codes     | 51 81 96 100 100 |
| Ra/CRI             | >80              |

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## LK-L 070.10840.2245.1/DALI

Lichtkanal 070 | Light-Insert (AOV-002/005.2, 1xLED 33W 840/4000K 5040lm)



|      | C0  | C90 | C180 | C270 |
|------|-----|-----|------|------|
| 0°   | 315 | 315 | 315  | 315  |
| 30°  | 262 | 238 | 262  | 238  |
| 60°  | 148 | 103 | 148  | 103  |
| 90°  | 44  | 1   | 44   | 1    |
| 120° | 31  | 0   | 31   | 0    |
| 150° | 16  | 1   | 16   | 1    |
| 180° | 1   | 1   | 1    | 1    |

cd / 1000 lm

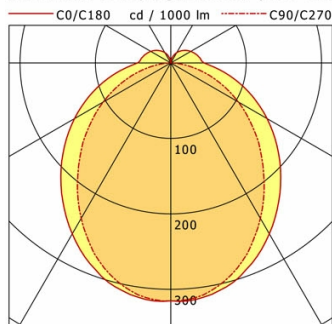
| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 9.35   6.59    | 176.6            |
| 6.0        | 18.70   13.18  | 44.1             |
| 9.0        | 28.05   19.77  | 19.6             |
| 12.0       | 37.40   26.36  | 11.0             |
| 15.0       | 46.75   32.95  | 7.1              |

|                    |                 |
|--------------------|-----------------|
| <b>η</b>           | LED             |
| Efficiency         | 153 lm/W        |
| Direct/Indirect    | ↓ 89% / ↑ 11%   |
| System Power       | 33 W            |
| <b>UGR</b>         | X=4H, Y=8H      |
| Reflection factors | 70/50/20        |
| UGR C0/C180        | 26.1            |
| UGR C90/C270       | 22.7            |
| CIE Flux Codes     | 46 75 92 89 100 |
| Ra/CRI             | >80             |

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## LK-L 070.10840.2245.1/DALI

Lichtkanal 070 | Light-Insert (AOV-001/003/005.1, 1xLED 33W 840/4000K 5040lm)



|      | C0  | C90 | C180 | C270 |
|------|-----|-----|------|------|
| 0°   | 315 | 315 | 315  | 315  |
| 30°  | 262 | 238 | 262  | 238  |
| 60°  | 148 | 103 | 148  | 103  |
| 90°  | 44  | 1   | 44   | 1    |
| 120° | 31  | 0   | 31   | 0    |
| 150° | 16  | 1   | 16   | 1    |
| 180° | 1   | 1   | 1    | 1    |

cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 9.35   6.59    | 176.6            |
| 6.0        | 18.70   13.18  | 44.1             |
| 9.0        | 28.05   19.77  | 19.6             |
| 12.0       | 37.40   26.36  | 11.0             |
| 15.0       | 46.75   32.95  | 7.1              |

|                    |                 |
|--------------------|-----------------|
| <b>η</b>           | LED             |
| Efficiency         | 153 lm/W        |
| Direct/Indirect    | ↓ 89% / ↑ 11%   |
| System Power       | 33 W            |
| <b>UGR</b>         | X=4H, Y=8H      |
| Reflection factors | 70/50/20        |
| UGR C0/C180        | 26.1            |
| UGR C90/C270       | 22.7            |
| CIE Flux Codes     | 46 75 92 89 100 |
| Ra/CRI             | >80             |

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