

# LK-LED 070.0740.2245.1



## 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

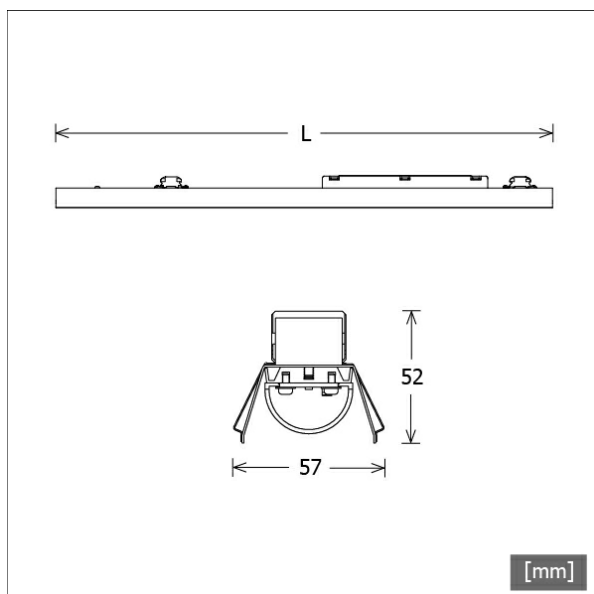
## Notes

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           |
|---------|-------------|---------------|
|         | 664846      | 4043544739827 |

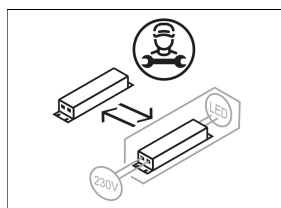


## Lighting data / Norms

|                                |                                                           |
|--------------------------------|-----------------------------------------------------------|
| <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>            | 24.9 W                                                    |
| <b>Luminaire luminous flux</b> | max. 2720 lm                                              |
| <b>System efficiency</b>       | 109.23 lm/W                                               |
| <b>Module efficiency</b>       | 164.17 lm/W                                               |
| <b>UGR class</b>               | ≤25                                                       |
| <b>Supply voltage</b>          | 220 - 240 V / 50 - 60 Hz                                  |
| <b>Protection class</b>        | I                                                         |

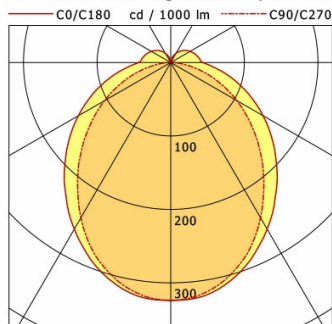
## Dimensions / Weights

|                     |         |
|---------------------|---------|
| <b>Length</b>       | 2245 mm |
| <b>Width</b>        | 57 mm   |
| <b>Height</b>       | 52 mm   |
| <b>Net weight</b>   | 2.57 kg |
| <b>Gross weight</b> | 2.84 kg |



# LK-LED 070.0740.2245.1

Lichtkanal 070 - Light-Insert (AOV-001/003/005.1, 1xLED 25W 840/4000K 2720lm)



|      | 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    |

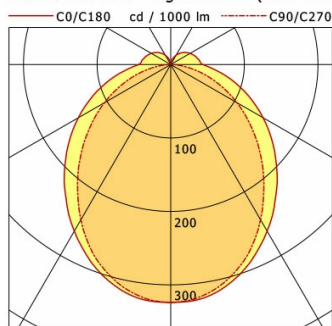
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 8.79   6.49    | 97.9             |
| 6.0        | 17.57   12.98  | 24.5             |
| 9.0        | 26.36   19.48  | 10.9             |
| 12.0       | 35.15   25.97  | 6.1              |
| 15.0       | 43.94   32.46  | 3.9              |

|                    |                 |
|--------------------|-----------------|
| <b>η</b>           | LED             |
| Efficiency         | 109 lm/W        |
| Direct/Indirect    | ↓ 89% / ↑ 11%   |
| System Power       | 25 W            |
| <b>UGR</b>         | X=4H, Y=8H      |
| Reflection factors | 70/50/20        |
| UGR C0/C180        | 23.8            |
| UGR C90/C270       | 20.6            |
| CIE Flux Codes     | 46 75 92 89 100 |
| Ra/CRI             | >80             |

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Lichtkanal 070 - Light-Insert (AOV-002/005.2, 1xLED 25W 840/4000K 2720lm)



|      | 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    |

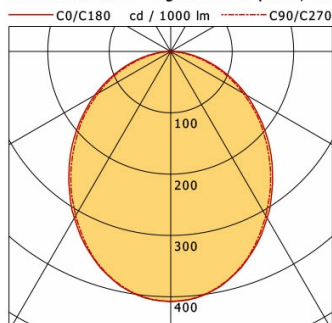
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 8.79   6.49    | 97.9             |
| 6.0        | 17.57   12.98  | 24.5             |
| 9.0        | 26.36   19.48  | 10.9             |
| 12.0       | 35.15   25.97  | 6.1              |
| 15.0       | 43.94   32.46  | 3.9              |

|                    |                 |
|--------------------|-----------------|
| <b>η</b>           | LED             |
| Efficiency         | 109 lm/W        |
| Direct/Indirect    | ↓ 89% / ↑ 11%   |
| System Power       | 25 W            |
| <b>UGR</b>         | X=4H, Y=8H      |
| Reflection factors | 70/50/20        |
| UGR C0/C180        | 23.8            |
| UGR C90/C270       | 20.6            |
| CIE Flux Codes     | 46 75 92 89 100 |
| Ra/CRI             | >80             |

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Lichtkanal 070 - Light-Insert (AOB, 1xLED 25W 840/4000K 2490lm)



|     | 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    |

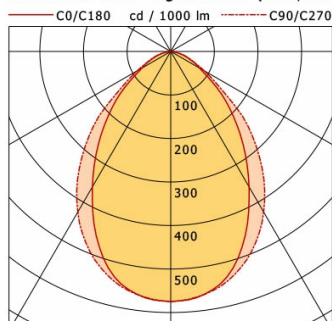
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 6.98   6.72    | 112.8            |
| 6.0        | 13.96   13.44  | 28.2             |
| 9.0        | 20.94   20.15  | 12.5             |
| 12.0       | 27.92   26.87  | 7.1              |
| 15.0       | 34.90   33.59  | 4.5              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 100 lm/W         |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 25 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | 22.0             |
| UGR C90/C270       | 21.7             |
| CIE Flux Codes     | 51 81 96 100 100 |
| Ra/CRI             | >80              |

LTS

Lichtkanal 070 - Light-Insert (APB, 1xLED 25W 840/4000K 2330lm)



|     | 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] |
|------------|----------------|------------------|
| 3.0        | 4.41   5.49    | 148.8            |
| 6.0        | 8.82   10.99   | 37.2             |
| 9.0        | 13.23   16.48  | 16.5             |
| 12.0       | 17.64   21.97  | 9.3              |
| 15.0       | 22.05   27.46  | 6.0              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 93 lm/W          |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 25 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | 17.6             |
| UGR C90/C270       | 18.4             |
| CIE Flux Codes     | 65 90 98 100 100 |
| Ra/CRI             | >80              |

LTS