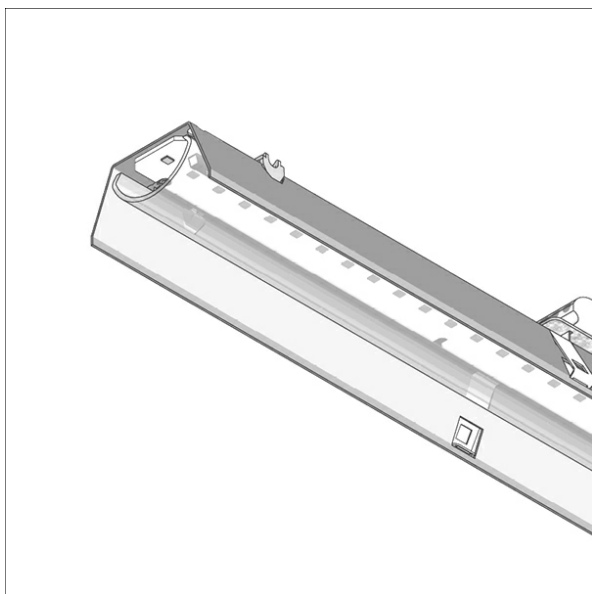


## LK-LED 070.0730.1685.1/DALI



## 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 DALI, dimmable) integrated

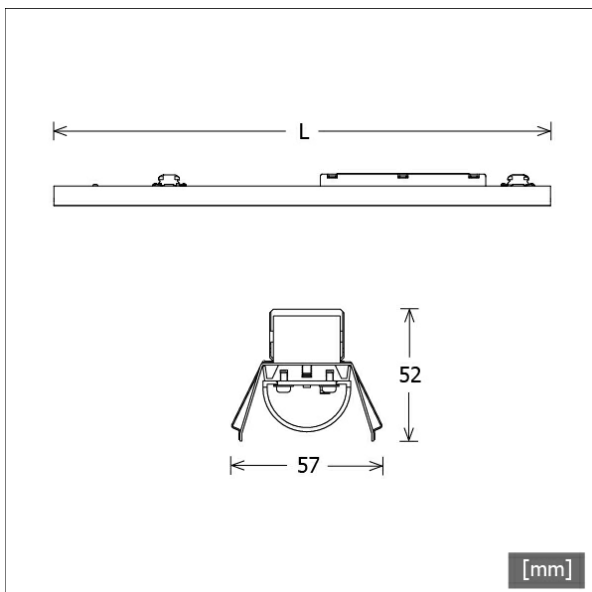
## Notes

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           |
|---------|-------------|---------------|
|         | 664838      | 4043544739742 |

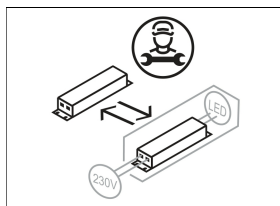


## Lighting data / Norms

|                         |                              |
|-------------------------|------------------------------|
| 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       | 89.36 lm/W                   |
| Module efficiency       | 178.36 lm/W                  |
| UGR class               | ≤25                          |
| Supply voltage          | 220 - 240 V / 50 - 60 Hz     |
| Protection class        | I                            |

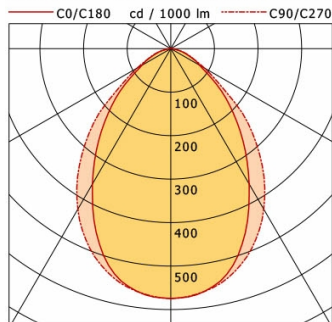
## Dimensions / Weights

|              |         |
|--------------|---------|
| Length       | 1685 mm |
| Width        | 57 mm   |
| Height       | 52 mm   |
| Net weight   | 2.26 kg |
| Gross weight | 2.38 kg |



# LK-LED 070.0730.1685.1/DALI

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    |

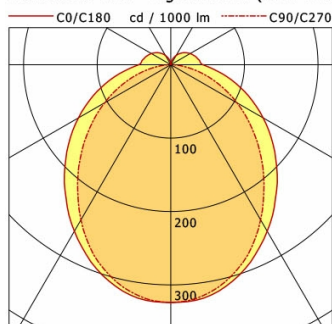
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 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              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 88 lm/W          |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 19 W             |
| <b>UGR</b>         | 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

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    |

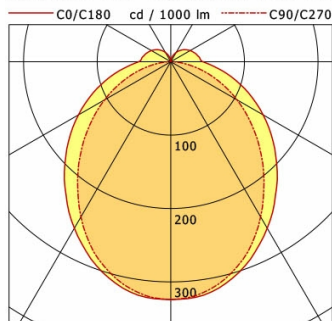
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 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              |

|                    |                 |
|--------------------|-----------------|
| <b>η</b>           | LED             |
| Efficiency         | 103 lm/W        |
| Direct/Indirect    | ↓ 89% / ↑ 11%   |
| System Power       | 19 W            |
| <b>UGR</b>         | 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    |

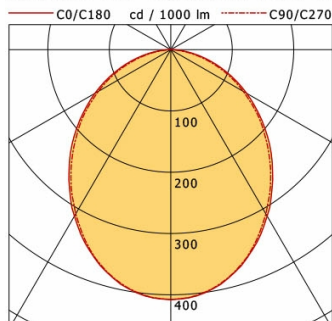
cd / 1000 lm

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 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              |

|                    |                 |
|--------------------|-----------------|
| <b>η</b>           | LED             |
| Efficiency         | 103 lm/W        |
| Direct/Indirect    | ↓ 89% / ↑ 11%   |
| System Power       | 19 W            |
| <b>UGR</b>         | 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] |
|------------|----------------|------------------|
| 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              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 95 lm/W          |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 19 W             |
| <b>UGR</b>         | 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