

## LK-L 045.11840.0845.1/DALI



## Description

- light-insert made from sheet steel with integrated LED modules
- 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 snap-in fastening into profile
- 5-pole terminal block, pre-fabricated for 5-pole 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

## Special options

2700 K

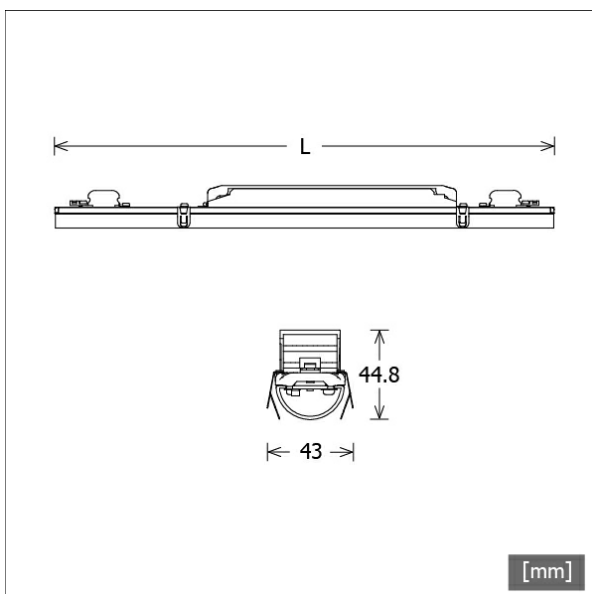
CRI 90  
SDCM3

TWL

MinusBlue



| Colours | Article no. | EAN           |
|---------|-------------|---------------|
|         | 669414      | 4043544810908 |

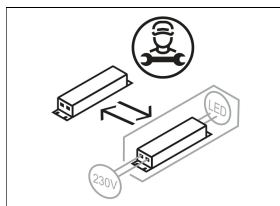
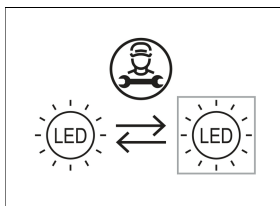


## Lighting data / Norms

|                         |                                                           |
|-------------------------|-----------------------------------------------------------|
| Lamps                   | LED linear / CRI 80 / 4000 K                              |
| Lifetime                | L90 B50 50.000 h<br>L80 B50 100.000 h<br>L80 B20 50.000 h |
| System power            | 18.9 W                                                    |
| Luminaire luminous flux | max. 2810 lm                                              |
| System efficiency       | 142.32 lm/W                                               |
| Module efficiency       | 205.00 lm/W                                               |
| UGR class               | ≤28                                                       |
| Supply voltage          | 220 - 240 V / 50 - 60 Hz                                  |
| Protection class        | I                                                         |

## Dimensions / Weights

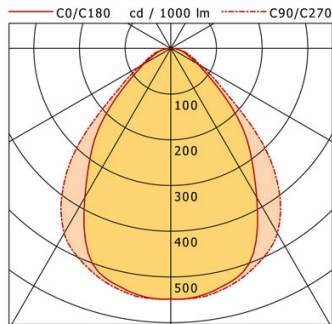
|              |         |
|--------------|---------|
| Length       | 845 mm  |
| Width        | 43 mm   |
| Height       | 44 mm   |
| Net weight   | 0.80 kg |
| Gross weight | 1.00 kg |



# LK-L 045.11840.0845.1/DALI

## LK-L 045.11840.0845.1/DALI

Lichtkanal 045 | Light-Insert (APB, 1xLED 19W 840/4000K 2690lm)



|              | C0  | C90 | C180 | C270 |
|--------------|-----|-----|------|------|
| 0°           | 548 | 548 | 548  | 548  |
| 15°          | 526 | 533 | 526  | 533  |
| 30°          | 377 | 468 | 377  | 468  |
| 45°          | 198 | 271 | 198  | 271  |
| 60°          | 68  | 78  | 68   | 78   |
| 75°          | 27  | 33  | 27   | 33   |
| 90°          | 1   | 0   | 1    | 0    |
| cd / 1000 lm |     |     |      |      |

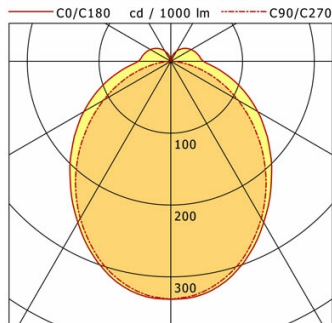
| Offset [m] | Cone width [m] |                | Illuminance [lx] |
|------------|----------------|----------------|------------------|
|            | C0-C180 Plane  | C90-C270 Plane |                  |
| 3.0        | 4.78           | 5.95           | 163.9            |
| 6.0        | 9.56           | 11.91          | 41.0             |
| 9.0        | 14.35          | 17.86          | 18.2             |
| 12.0       | 19.13          | 23.82          | 10.2             |
| 15.0       | 23.91          | 29.77          | 6.6              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 142 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        | 22.9             |
| UGR C90/C270       | 23.6             |
| CIE Flux Codes     | 67 91 98 100 100 |
| Ra/CRI             | >80              |

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## LK-L 045.11840.0845.1/DALI

Lichtkanal 045 | Light-Insert (AOV-002/005.2, 1xLED 19W 840/4000K 2660lm)



|              | C0  | C90 | C180 | C270 |
|--------------|-----|-----|------|------|
| 0°           | 331 | 331 | 331  | 331  |
| 30°          | 259 | 252 | 259  | 252  |
| 60°          | 140 | 109 | 140  | 109  |
| 90°          | 45  | 1   | 45   | 1    |
| 120°         | 33  | 0   | 33   | 0    |
| 150°         | 16  | 0   | 16   | 0    |
| 180°         | 1   | 1   | 1    | 1    |
| cd / 1000 lm |     |     |      |      |

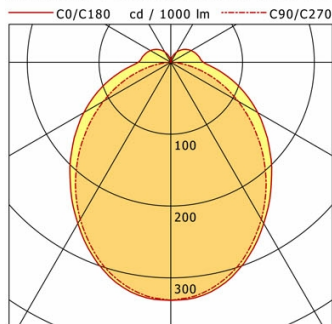
| Offset [m] | Cone width [m] |                | Illuminance [lx] |
|------------|----------------|----------------|------------------|
|            | C0-C180 Plane  | C90-C270 Plane |                  |
| 3.0        | 8.04           | 6.70           | 97.9             |
| 6.0        | 16.09          | 13.41          | 24.5             |
| 9.0        | 24.13          | 20.11          | 10.9             |
| 12.0       | 32.18          | 26.82          | 6.1              |
| 15.0       | 40.22          | 33.52          | 3.9              |

|                    |                 |
|--------------------|-----------------|
| <b>η</b>           | LED             |
| Efficiency         | 140 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        | 28.4            |
| UGR C90/C270       | 25.1            |
| CIE Flux Codes     | 47 76 92 89 100 |
| Ra/CRI             | >80             |

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## LK-L 045.11840.0845.1/DALI

Lichtkanal 045 | Light-Insert (AOV-001/003/005.1, 1xLED 19W 840/4000K 2660lm)



|              | C0  | C90 | C180 | C270 |
|--------------|-----|-----|------|------|
| 0°           | 331 | 331 | 331  | 331  |
| 30°          | 259 | 252 | 259  | 252  |
| 60°          | 140 | 109 | 140  | 109  |
| 90°          | 45  | 1   | 45   | 1    |
| 120°         | 33  | 0   | 33   | 0    |
| 150°         | 16  | 0   | 16   | 0    |
| 180°         | 1   | 1   | 1    | 1    |
| cd / 1000 lm |     |     |      |      |

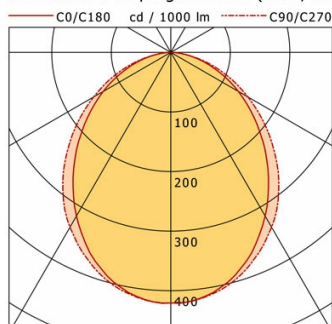
| Offset [m] | Cone width [m] |                | Illuminance [lx] |
|------------|----------------|----------------|------------------|
|            | C0-C180 Plane  | C90-C270 Plane |                  |
| 3.0        | 8.04           | 6.70           | 97.9             |
| 6.0        | 16.09          | 13.41          | 24.5             |
| 9.0        | 24.13          | 20.11          | 10.9             |
| 12.0       | 32.18          | 26.82          | 6.1              |
| 15.0       | 40.22          | 33.52          | 3.9              |

|                    |                 |
|--------------------|-----------------|
| <b>η</b>           | LED             |
| Efficiency         | 140 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        | 28.4            |
| UGR C90/C270       | 25.1            |
| CIE Flux Codes     | 47 76 92 89 100 |
| Ra/CRI             | >80             |

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## LK-L 045.11840.0845.1/DALI

Lichtkanal 045 | Light-Insert (AOB, 1xLED 19W 840/4000K 2810lm)



|              | C0  | C90 | C180 | C270 |
|--------------|-----|-----|------|------|
| 0°           | 421 | 421 | 421  | 421  |
| 15°          | 394 | 399 | 394  | 399  |
| 30°          | 317 | 339 | 317  | 339  |
| 45°          | 222 | 250 | 222  | 250  |
| 60°          | 131 | 150 | 131  | 150  |
| 75°          | 54  | 60  | 54   | 60   |
| 90°          | 1   | 0   | 1    | 0    |
| cd / 1000 lm |     |     |      |      |

| Offset [m] | Cone width [m] |                | Illuminance [lx] |
|------------|----------------|----------------|------------------|
|            | C0-C180 Plane  | C90-C270 Plane |                  |
| 3.0        | 6.36           | 7.37           | 131.3            |
| 6.0        | 12.73          | 14.73          | 32.8             |
| 9.0        | 19.09          | 22.10          | 14.6             |
| 12.0       | 25.45          | 29.47          | 8.2              |
| 15.0       | 31.82          | 36.83          | 5.3              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 148 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        | 26.7             |
| UGR C90/C270       | 26.9             |
| CIE Flux Codes     | 52 82 96 100 100 |
| Ra/CRI             | >80              |

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