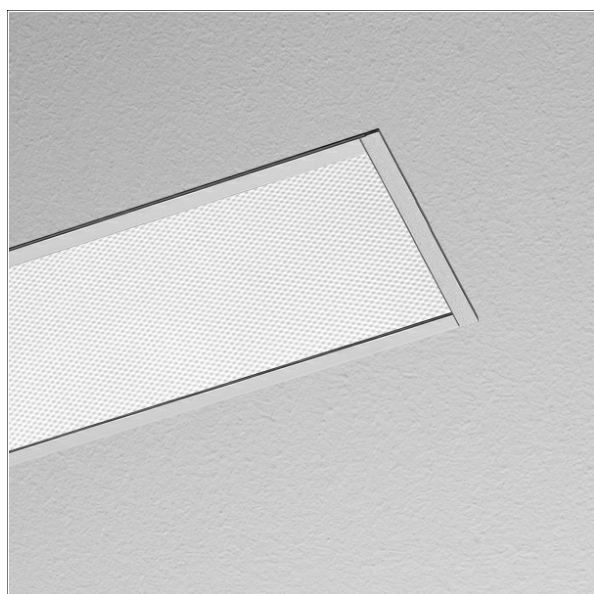


# ML-E 070.10840.2 19P/DALI



## Description

- linear luminaire for recessed mounting into plasterboard and 360° glare-free workplace lighting (UGR <= 19)
- symmetrical light distribution and illumination
- outstanding ease of maintenance
- no UV and thermal emissions
- aluminium housing with filigree trim (5 mm)
- end covers made from die-cast zinc
- prismatic flush acrylic glass diffuser with profile guide and tool-free snap-in technology
- quick-mounting via clamps
- 5-pole terminal block
- 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. IP40 only applies in combination with mounted acrylic glass diffuser mounted acrylic glass profile.

## Standard options



## Special options



## 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            | 12.1 W                                                    |
| Luminaire luminous flux | 1920 lm                                                   |
| System efficiency       | 158.67 lm/W                                               |
| Module efficiency       | 205.00 lm/W                                               |
| UGR class               | ≤19                                                       |
| Supply voltage          | 220 - 240 V / 50 - 60 Hz                                  |
| Protection class        | I                                                         |
| Type of protection      | IP40                                                      |

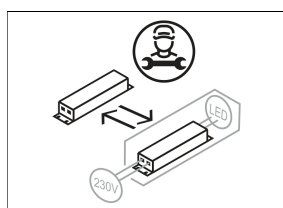
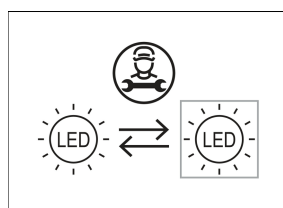
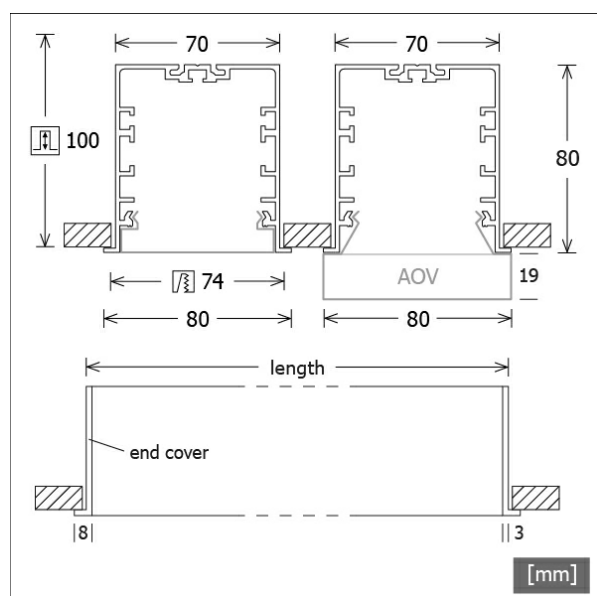
## Dimensions / Weights

|                   |               |
|-------------------|---------------|
| Length            | 1146 mm       |
| Width             | 80 mm         |
| Height            | 80 mm         |
| Cut-out (LxW)     | 1138 x 74 mm  |
| Ceiling thickness | 6.0 - 25.0 mm |
| Recessed depth    | 100 mm        |
| Net weight        | 4.06 kg       |
| Gross weight      | 4.49 kg       |

## Special dimensions

required clamps space: max. 220 mm

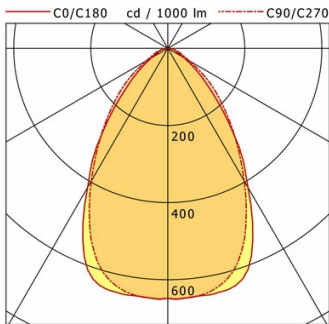
| Colours         | Article no. | EAN           |
|-----------------|-------------|---------------|
| silver anodised | 670281      | 4043544819499 |
| black           | 670282      | 4043544819505 |
| white           | 670283      | 4043544819512 |



# ML-E 070.10840.2 19P/DALI

## ML-E 070.10840.2 19P/DALI

Monoline 070 | Recessed (1xLED 12W 840/4000K 1920lm)



|              | C0  | C90 | C180 | C270 |
|--------------|-----|-----|------|------|
| 0°           | 649 | 649 | 649  | 649  |
| 15°          | 643 | 614 | 643  | 614  |
| 30°          | 416 | 397 | 416  | 397  |
| 45°          | 166 | 196 | 166  | 196  |
| 60°          | 49  | 64  | 49   | 64   |
| 75°          | 19  | 24  | 19   | 24   |
| 90°          | 0   | 0   | 0    | 0    |
| cd / 1000 lm |     |     |      |      |

| Offset [m] | Cone width [m] |                | Illuminance [lx] |
|------------|----------------|----------------|------------------|
|            | C0-C180 Plane  | C90-C270 Plane |                  |
| 3.0        | 4.26           | 4.14           | 138.4            |
| 6.0        | 8.52           | 8.28           | 34.6             |
| 9.0        | 12.78          | 12.41          | 15.4             |
| 12.0       | 17.03          | 16.55          | 8.6              |
| 15.0       | 21.29          | 20.69          | 5.5              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 160 lm/W         |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 12 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | 17.9             |
| UGR C90/C270       | 18.8             |
| CIE Flux Codes     | 72 93 98 100 100 |
| Ra/CRI             | >80              |

LTS

## Accessories



**ZB-OR DONGLE**  
Organic Response IR dongle kit



**ZB-OR GATEWAY**  
Organic Response IoT Gateway Cascade Series



**ZB-OR-R SENSOR**  
Organic Response sensor for recessed mounting