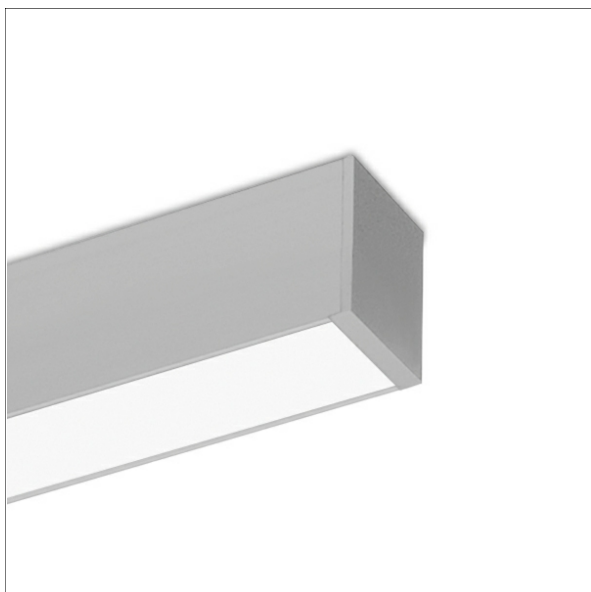


# ML-A 045.10840.3 AOB/DALI



## Description

- linear luminaire for ceiling or wall mounting
- symmetrical light distribution and illumination
- outstanding ease of maintenance
- no UV and thermal emissions
- housing made from aluminium
- end covers made from polycarbonate
- opal flush acrylic glass diffuser with profile guide and tool-free snap-in technology
- direct ceiling or wall mounting via screw fixing
- 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  $dT = 10$  Kelvin. IP40 only applies in combination with mounted acrylic glass diffuser mounted acrylic glass profile.

## Standard options



## Special options



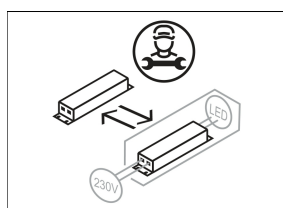
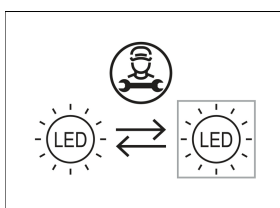
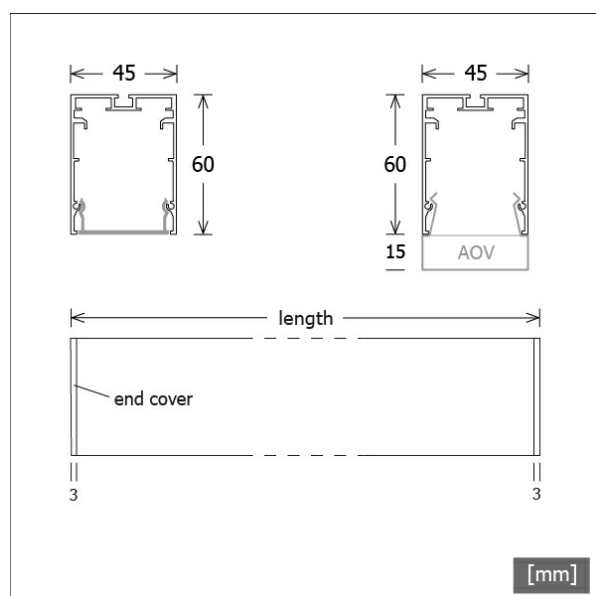
## Lighting data / Norms

|                         |                                                           |
|-------------------------|-----------------------------------------------------------|
| 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            | 20.5 W                                                    |
| Luminaire luminous flux | 3060 lm                                                   |
| System efficiency       | 149.26 lm/W                                               |
| Module efficiency       | 205.00 lm/W                                               |
| UGR class               | ≤25                                                       |
| Supply voltage          | 220 - 240 V / 50 - 60 Hz                                  |
| Protection class        | I                                                         |
| Type of protection      | IP40                                                      |

## Dimensions / Weights

|              |         |
|--------------|---------|
| Length       | 1416 mm |
| Width        | 45 mm   |
| Height       | 60 mm   |
| Net weight   | 2.11 kg |
| Gross weight | 2.26 kg |

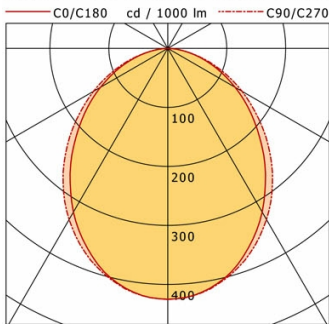
| Colours         | Article no. | EAN           |
|-----------------|-------------|---------------|
| silver anodised | 669931      | 4043544816016 |
| black           | 669932      | 4043544816023 |
| white           | 669933      | 4043544816030 |



# ML-A 045.10840.3 AOB/DALI

## ML-A 045.10840.3 AOB/DALI

Monoline 045 | Surface-Mounted (1xLED 21W 840/4000K 3060lm)



|              | C0  | C90 | C180 | C270 |
|--------------|-----|-----|------|------|
| 0°           | 425 | 425 | 425  | 425  |
| 15°          | 397 | 400 | 397  | 400  |
| 30°          | 320 | 335 | 320  | 335  |
| 45°          | 223 | 244 | 223  | 244  |
| 60°          | 132 | 146 | 132  | 146  |
| 75°          | 54  | 57  | 54   | 57   |
| 90°          | 1   | 0   | 1    | 0    |
| cd / 1000 lm |     |     |      |      |

| Offset [m] | Cone width [m] |                | Illuminance [lx] |
|------------|----------------|----------------|------------------|
|            | C0-C180 Plane  | C90-C270 Plane |                  |
| 3.0        | 6.35           | 7.06           | 144.6            |
| 6.0        | 12.71          | 14.13          | 36.1             |
| 9.0        | 19.06          | 21.19          | 16.1             |
| 12.0       | 25.41          | 28.26          | 9.0              |
| 15.0       | 31.76          | 35.32          | 5.8              |

|                    |                  |
|--------------------|------------------|
| <b>η</b>           | LED              |
| Efficiency         | 146 lm/W         |
| Direct/Indirect    | ↓ 100% / ↑ 0%    |
| System Power       | 21 W             |
| <b>UGR</b>         | X=4H, Y=8H       |
| Reflection factors | 70/50/20         |
| UGR C0/C180        | 25.2             |
| UGR C90/C270       | 25.3             |
| CIE Flux Codes     | 52 82 96 100 100 |
| Ra/CRI             | >80              |

LTS

## Accessories



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



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



**ZB-OR-A SENSOR**  
Organic Response sensor for surface mounting