

# MINO 60 high lumen

suspended

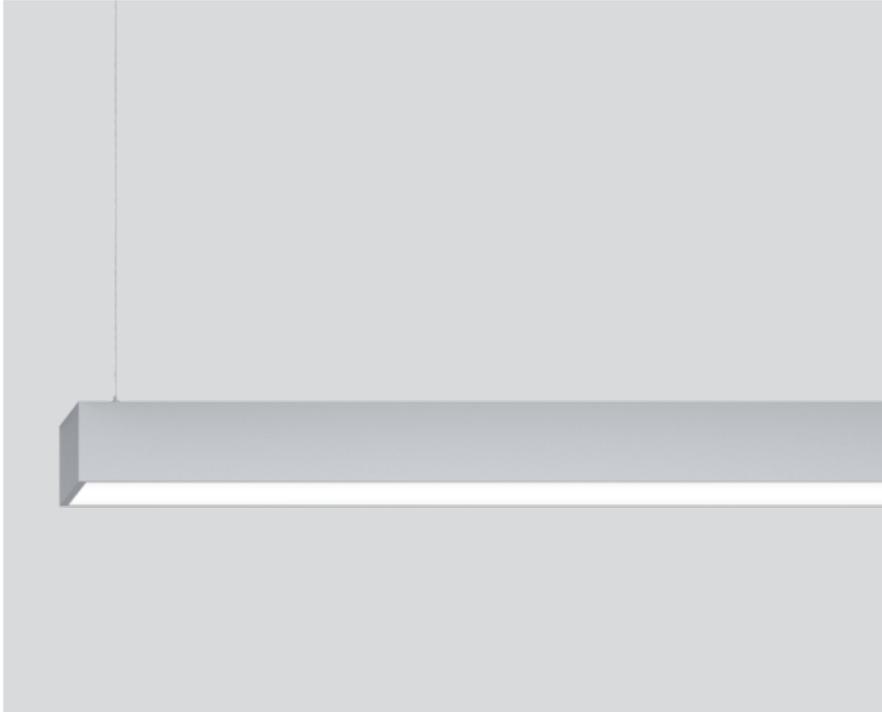
046-4234D3GZ



Project / Type

Notes

Count / Date



## General

Ceiling | Suspended  
white aluminium | RAL 9006  
IP20  
2610 lm  
2230 lm/m

## LED

tunable white | 2700 K - 6500 K  
CRI  $\geq$  80  
L90 / 50000 h  
initial MacAdam  $\leq$  3 SDCM  
MR 0.48 | MDER 0.44

## Optical

Microprismatic | microprismatic  
PstLM  $\leq$  1.0<sup>1</sup> | SVM  $\leq$  0.4<sup>1</sup>

## Electrical

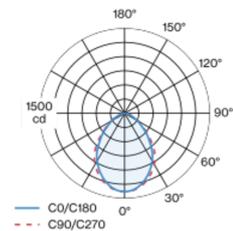
DALI-2 | 1 DALI Addr.  
DT8  
PC1 | 220-240 V  
system 25.3 W  
system 103 lm/W<sup>2</sup>  
22 W/m

## Physical

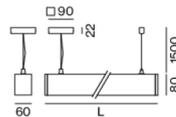
length 1180 mm | width 60 mm | height 80 mm  
3.6 kg

Luminaire housing made of extruded aluminium profile; light tight final end caps made of aluminium; no visible screws; angular design; surface white aluminium powder coated; suspended luminaire with 1500mm cable suspension; with integrated toolless suspension height adjustment on the luminaire; spring clip attachment to the luminaire; freely positionable; incl. feed (white); lighting profile (end cover pre-assembled) available in advance for installation; remaining lamp components mounted without tools; LED light inset consisting of highly reflective lacquered aluminium for improved thermal management; light colour: tunable white diodes (2700-6500 K); binning initial MacAdam  $\leq$  3 SDCM; CRI  $\geq$  80; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



<sup>1</sup> Value of containing product at full load (undimmed)  
<sup>2</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

## Installation instructions



## Lighting calculator



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## Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF               | 0.98   | 0.96   | 0.94   | 0.92   | 0.9    |
| LSF                | 1      | 1      | 1      | 1      | 1      |

|                  |                              |                   |                                 |
|------------------|------------------------------|-------------------|---------------------------------|
| MF               | LMF × RSMF × LLMF × LSF      | RSMF <sup>a</sup> | Room Surface Maintenance Factor |
| MF               | Maintenance Factor           | LLMF              | Lamp Lumens Maintenance Factor  |
| LMF <sup>a</sup> | Luminaire Maintenance Factor | LSF               | Lamp Survival Factor            |

<sup>a</sup> According to "CIE 97, Maintenance of indoor electric lighting systems", 2005, ISBN 3-900-734-34-8. The values must be determined by the planner.

## Circuit Breaker Types

| Automatic Circuit Breaker Type | Number of Fixtures |
|--------------------------------|--------------------|
| B10                            | 13                 |
| B13                            | 16                 |
| B16                            | 22                 |
| B20                            | 27                 |
| C10                            | 21                 |
| C13                            | 28                 |
| C16                            | 36                 |
| C20                            | 45                 |