

# MINO 40 high lumen

suspended

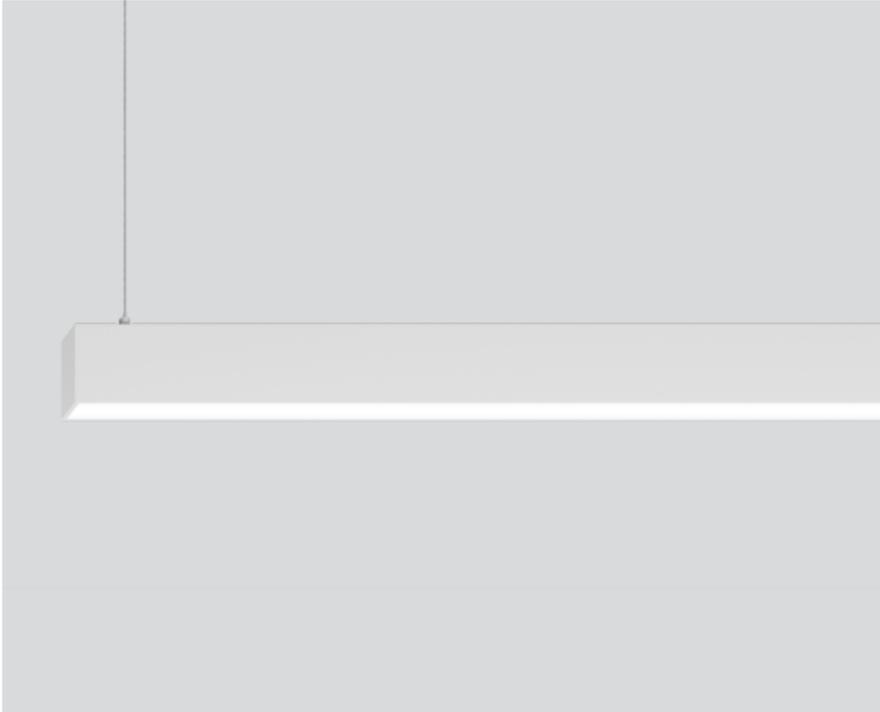
042-1226137H



Project / Type

Notes

Count / Date



## General

Ceiling | Suspended  
RAL Pure white | RAL 9010  
IP20  
6790 lm  
2260 lm/m

## LED

4000 K  
CRI  $\geq$  90  
L90 / 50000 h  
initial MacAdam  $\leq$  3 SDCM  
 $R_g$ : 99 |  $R_f$ : 92 |  $R_{f(1-15)}$ : 90  
MR 0.81 | MDER 0.74

## Optical

High Performance Opal | opal (lambertsch)  
 $P_{stLM} \leq 1.0$  <sup>1</sup> |  $SVM \leq 0.4$  <sup>1</sup>

## Electrical

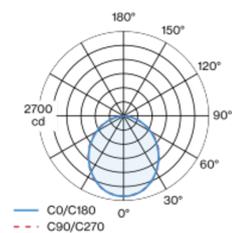
DALI-2 | 1 DALI Addr.  
PC1 | 220-240 V  
system 54 W  
system 126 lm/W <sup>2</sup>  
18 W/m

## Physical

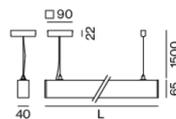
length 3008 mm | width 40 mm | height 65 mm  
4.7 kg

Luminaire housing made of extruded aluminium profile; light tight final end caps made of aluminium; no visible screws; angular design; surface pure white powder coated; suspended luminaire with 1500mm cable suspension; height adjustment without tools; incl. feed (white); luminaire profile can be pre-mounted; remaining lamp components mounted without tools; LED light inset consisting of highly reflective lacquered aluminium for improved thermal management; light colour 4000 K; binning initial MacAdam  $\leq$  3 SDCM; CRI  $\geq$  90; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; HPO (High Performance Opal) cover for uniform illumination; 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

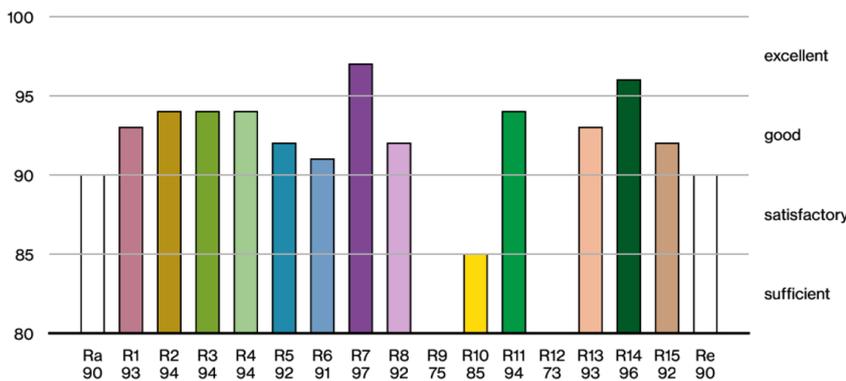
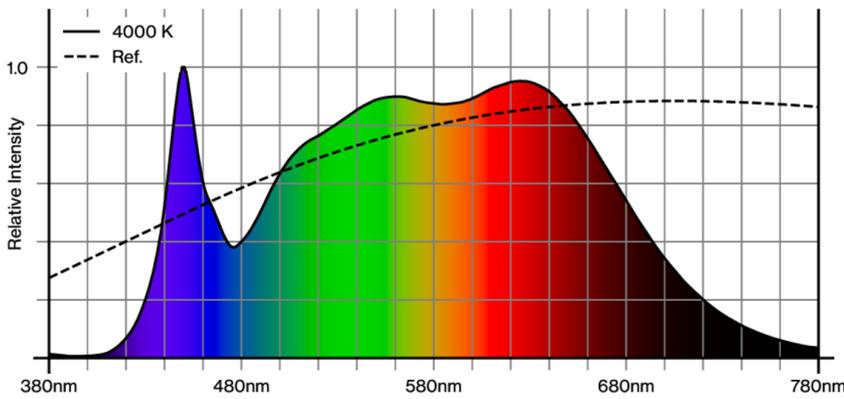
MF	LMF × RSMF × LLMF × LSF	RSMF <sup>a</sup>	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF <sup>a</sup>	Luminaire Maintenance Factor	LSF	Lamp Survival Factor

<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.

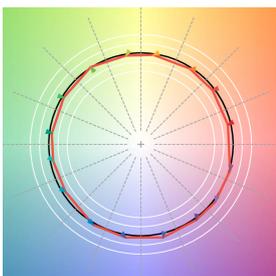
## Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	13
B13	17
B16	21
B20	27
C10	21
C13	28
C16	35
C20	45

## Colour rendering



## TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.

