

MINO 60 high lumen

ceiling offset

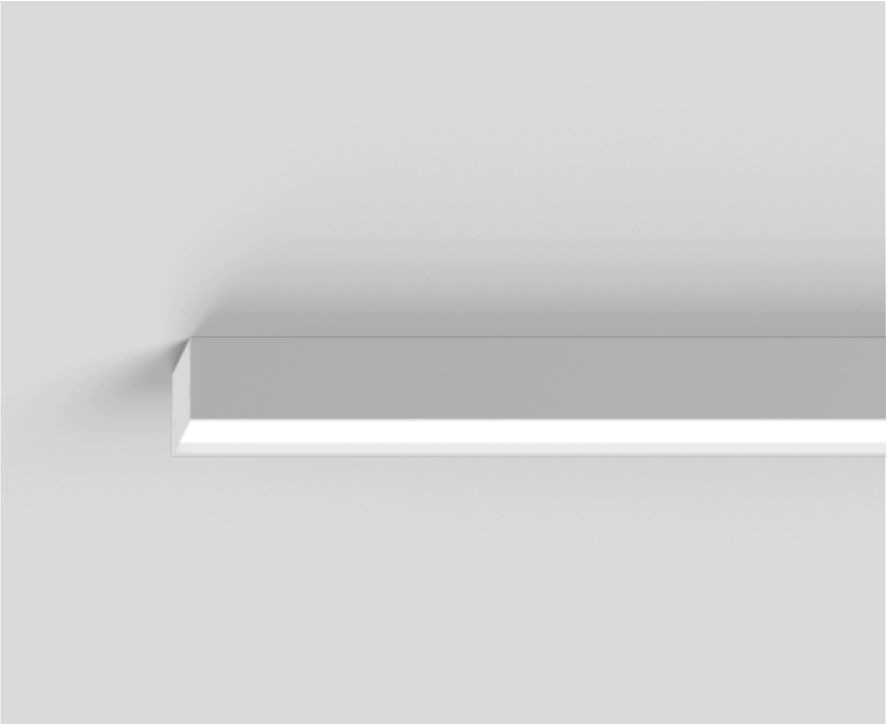
046-47M251GH



Project / Type

Notes

Count / Date



General

Ceiling , Surface

grey , RAL9006 ¹

2000 lm/m

IP20

Ball impact resistant DIN 18032-3

1140 lm

LED

3000 K

CRI ≥ 80

L90 / 50000 h

photobio. safety RG 0 - no Risk

initial MacAdam ≤ 3 SDCM

MR 0.56

MDER 0.51

Optical

High Performance Opal

PstLM ≤ 1.0 ²

SVM ≤ 0.4 ²

Electrical

non DIM

13.2 W

PC1 220-240V

86 lm/W

23 W/m

Physical

length 575 mm

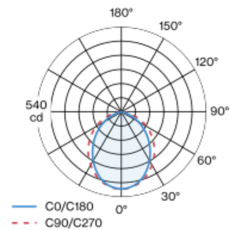
width 60 mm

height 90 mm

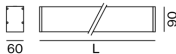
1.75 kg

¹ RAL code ² Value of containing product at full load (undimmed)

Light distribution



Product drawing



Installation instructions



Lighting calculator



MINO 60 high lumen

ceiling offset
046-47M251GH



Project / Type

Notes

Count / Date

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 ^a	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF ^a	Luminaire Maintenance Factor		LSF	Lamp Survival Faktor	

^a 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	14
B13	18
B16	25
B20	28
C10	23
C13	30
C16	38
C20	46

