

FRAME 60 high lumen

trim

052-47M201GH



Project / Type

Notes

Count / Date



RG0

IEC 62471

220-240V

X-PERT

X-PERT

General

Ceiling , Recessed

grey , RAL9006 ¹

2080 lm/m

IP20

1190 lm

LED

3000 K

CRI ≥ 90

L90 / 50000 h

photobio. safety RG 0 - no Risk

initial MacAdam ≤ 3 SDCM

R_g: 99 , R_f: 91 , R₍₁₋₁₅₎: 89

MR 0.61

MDER 0.55

Optical

High Performance Opal

opal (lambertsch)

PstLM ≤ 1.0 ²

SVM ≤ 0.4 ²

Electrical

non DIM

system 12.1 W

PC1 220-240V

system 98 lm/W³

21 W/m

Physical

trim

length 593 mm

width 77 mm

height 78 mm

1.65 kg

Cutout

length 583 mm

width 66 mm

min. ceiling thickness 8 mm

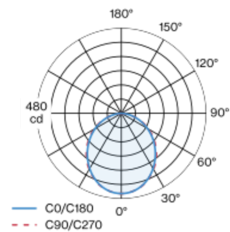
max. ceiling thickness 25 mm

recessed depth 104 mm

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

³ incl. optical losses and the efficiency of the operating device (converter)

Light distribution



Product drawing



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 ^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	9
B13	13
B16	15
B20	18
C10	18
C13	26
C16	30
C20	36

Mounting accessories

CONCRETE INSTALLATION HOUSING

TYPE	L·W·H (MM)	ARTICLE NUMBER(S)
635 mm	635·75·88	035-04066

