

FRAME 60 high lumen

trim

052-47M403GG



Project / Type

Notes

Count / Date



220-240V

X-PERT

UGR
≤22

CRI
≥90

DALI-2
1ADDR

X-PERT

General

Ceiling , Recessed

grey , RAL9006 ¹

1770 lm/m

IP20

2070 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

Microprismatic

microprismatic

PstLM ≤ 1.0 ²

SVM ≤ 0.4 ²

Electrical

DALI-2

23.3 W

PC1 220-240V

89 lm/W

1 DALI Addr.

20 W/m

Physical

trim

length 1193 mm

width 77 mm

height 78 mm

3.2 kg

Cutout

length 1183 mm

width 66 mm

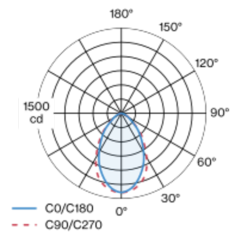
min. ceiling thickness 8 mm

max. ceiling thickness 25 mm

recessed depth 104 mm

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

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	18
B13	23
B16	28
B20	35
C10	30
C13	38
C16	46
C20	58

Mounting accessories

CONCRETE INSTALLATION HOUSING

TYPE	L·W·H (MM)	ARTICLE NUMBER(S)
1235 mm	1235-75-88	035-04126

