

SQUADRO double-sided wallwasher

trim

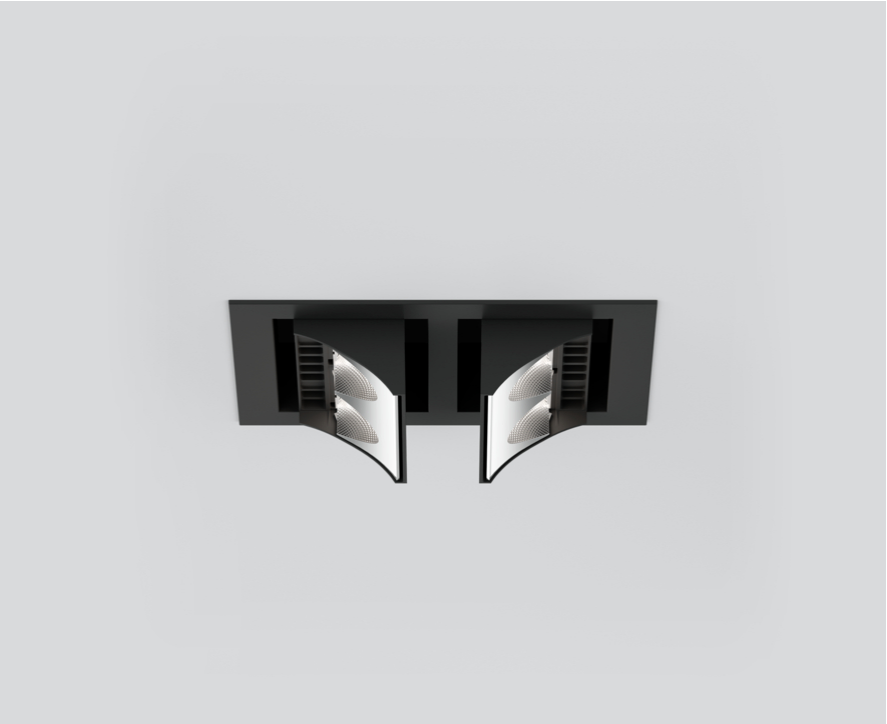
049-2020138A



Project / Type

Notes

Count / Date



General

Ceiling , Recessed

tilt min -10°

tilt max 20°

black , RAL 9005 ¹

IP20

9790 lm

LED

4000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 100 , R_f: 92 , R_(f-15): 91

MR 0.78

MDER 0.71

Optical

wall floor washer

PstLM ≤ 1.0^{2 3}

SVM ≤ 0.4^{2 3}

Electrical

DALI-2

220-240 V

system 71 W

system 138 lm/W⁴

PC2

1 DALI Addr.

Physical

length 180 mm

width 209 mm

height 76 mm

Cutout

length 145 mm

width 190 mm

min. ceiling thickness 2 mm

max. ceiling thickness 25 mm

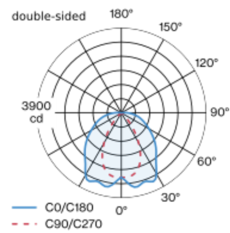
recessed depth 85 mm

¹ RAL code ² double-sided

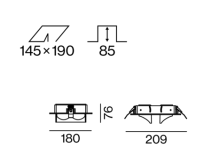
³ Value of containing product at full load (undimmed)

⁴ incl. consideration of optical losses, internal control unit losses & operating device efficiency

Light distribution



Product drawing



Installation instructions



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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.977	0.94	0.905	0.871	0.838
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	6
B13	8
B16	10
B20	12
C10	10
C13	13
C16	16
C20	20

Optical accessories

IP40 PROTECTION GLASS

TYPE	ARTICLE NUMBER(S)
2 x 2 lamps / double-sided	049-2920010

