

SQUADRO double-sided wallwasher

trim

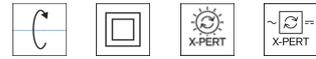
049-2020037B



Project / Type

Notes

Count / Date



Recessed ceiling spotlight in die cast aluminium with 2x2-lamp design; surface white powder coated; with wrap around edge; suitable for ceiling thickness of 2-25 mm; installation without tools using snap spring closure; heat sink integrated into luminaire geometry for optimum thermal management and passive cooling of LEDs; with COB (Chip on Board) technology for maximum efficiency; light colour 3000 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90 ; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; Aisle spotlight 1x shelf / 1x wall floor washer with special, multi-free-form, facet effect surface reflectors for high precision light control; precise shelf and aisle zone lighting, optimum longitudinal glare control for high viewing comfort in the aisle zone; adjustable light modules (tiltable +20° to -10°); degree of protection IP20; IP 40 protection glass available as an accessory; accessories are listed separately; PC2; 220-240 V; incl. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

General

Ceiling , Recessed

tilt min -10°

tilt max 20°

white , RAL 9016 ¹

IP20

4820², 4830³, 9650⁴ lm

LED

3000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 98 , R_f: 91 , R₍₁₋₁₅₎: 93

MR 0.54

MDER 0.49

Optical

shelf / wall floor washer

PstLM $\leq 1.0^4$ ^{3 2 5}

SVM $\leq 0.4^4$ ^{3 2 5}

Electrical

DALI-2

220-240 V

system 36², 36³, 71⁴ W

system 134², 134³, 136⁴ lm/W⁶

PC2

1 DALI Addr.

Physical

length 180 mm

width 209 mm

height 76 mm

Cutout

length 145 mm

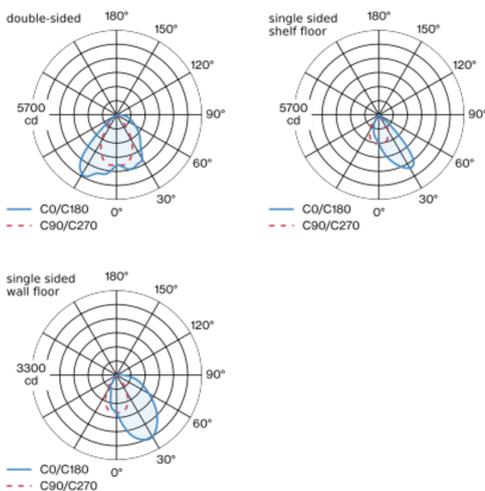
width 190 mm

min. ceiling thickness 2 mm

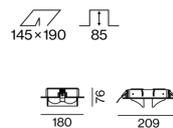
max. ceiling thickness 25 mm

recessed depth 85 mm

Light distribution



Product drawing



¹ RAL code ² single sided shelf floor ³ single sided wall floor ⁴ double-sided

⁵ Value of containing product at full load (undimmed)

⁶ incl. consideration of optical losses, internal control unit losses & operating device efficiency

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

2 x 2 lamps / double-sided

ARTICLE NUMBER(S)

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