

SQUADRO 1 × 2 lamps wallwasher

trim

049-2011518S



Project / Type

Notes

Count / Date



General

Ceiling | Recessed

black | RAL9005 ¹

IP20

3540 lm

LED

3000 K

CRI ≥ 80

L85 / 50000 h

initial MacAdam ≤ 3 SDCM

Optical

shelf floor washer

PstLM ≤ 1.0 ² | SVM ≤ 0.4 ²

Electrical

non DIM

33 W

PC2 220-240V

107 lm/W ³

Physical

trim

length 171 mm | width 171 mm | height 78 mm

0.9 kg

Cutout

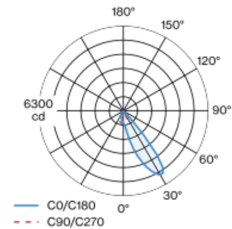
length 152 mm | width 152 mm

min. ceiling thickness 2 mm | max. ceiling thickness 25 mm

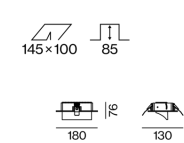
recessed depth 85 mm

Recessed ceiling spotlight in die cast aluminium with 2-lamp design; surface black 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 ≤ 3 SDCM; CRI ≥ 80; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; aisle spotlight shelf 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 module (tiltable +20° to -15°); degree of protection IP20; IP 40 protection glass available as an accessory; accessories are listed separately; PC2 220-240V; incl. converter, non dimmable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



¹ RAL code ² Value of containing product at full load (undimmed)
³ incl. consideration of optical losses, internal control unit losses & operating device efficiency

Installation instructions



Lighting calculator



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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.95	0.92	0.9	0.87	0.85
LSF	1	1	1	1	1

MF LMF × RSMF × LLMF × LSF
MF Maintenance Factor
LMF^a Luminaire Maintenance Factor

RSMF^a Room Surface Maintenance Factor
LLMF Lamp Lumens Maintenance Factor
LSF Lamp Survival Factor

^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	11
B13	14
B16	17
B20	21
C10	18
C13	23
C16	28
C20	35

Optical accessories

IP40 PROTECTION GLASS

TYPE
1 x 2 lamps / single-sided

ARTICLE NUMBER(S)
049-2910010

