

SQUADRO double-sided wallwasher

track
149-2220218B



Project / Type

Notes

Count / Date



General
Ceiling , Track
tilt min -10°
tilt max 20°
rotation 350°
black , RAL9005 ¹
IP20
4970 ² , 4980 ³ , 9950 ⁴ lm

LED
3500 K
CRI ≥ 90
L80 / 50000 h
initial MacAdam ≤ 2 SDCM
R _g : 99 , R _r : 92 , R _{t(1-5)} : 93
MR 0.61
MDER 0.55

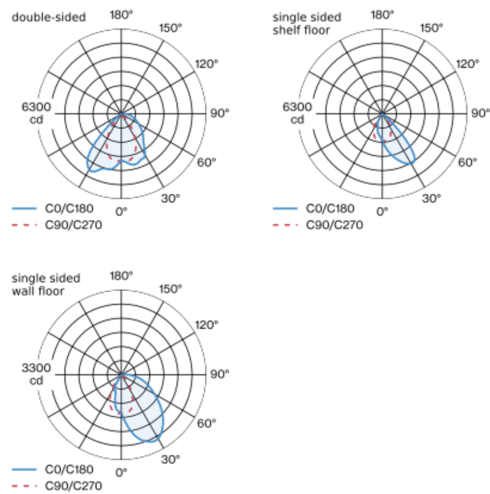
Optical
shelf / wall floor washer
PstLM ≤ 1.0 ⁵
SVM ≤ 0.4 ⁵

Tracked spotlight in die cast aluminium with 2x2-lamp design; surface black powder coated; converter integrated into spotlight head; 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 3500 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°); 350° rotatable; degree of protection IP20; IP 40 protection glass available as an accessory; accessories are listed separately; PC2 220-240V; incl. converter, non dimmable; adapter for toolless insertion or movement on a variety of 3-phase power tracks; including attachment for linear alignment of the spotlights; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

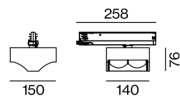
Electrical
non DIM
system 72 ² -36 ³ W
PC2 220-240V
system 138 lm/W ⁶

Physical
length 140 mm
width 150 mm
height 76 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. optical losses and the efficiency of the operating device (converter)

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	33
B13	43
B16	53
B20	67
C10	53
C13	69
C16	85
C20	107

Optical accessories

IP40 PROTECTION GLASS

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

