

SQUADRO double-sided wallwasher

track
149-2220017S



Project / Type _____

Notes _____

Count / Date _____



General

Ceiling , Track _____

tilt min -10° _____

tilt max 20° _____

rotation 350° _____

white , RAL 9016 ¹ _____

IP20 _____

9820 lm _____

LED

3000 K _____

CRI ≥ 90 _____

L80 / 50000 h _____

initial MacAdam ≤ 2 SDCM _____

R_g: 98 , R_r: 91 , R_{t(1-15)}: 93 _____

MR 0.54 _____

MDER 0.49 _____

Optical

shelf floor washer _____

PstLM ≤ 1.0^{2 3} _____

SVM ≤ 0.4^{2 3} _____

Electrical

non DIM _____

220-240 V _____

system 72 W _____

system 136 lm/W⁴ _____

PC2 _____

Physical

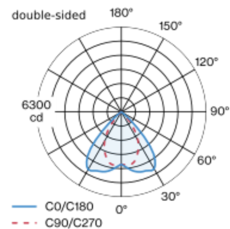
length 140 mm _____

width 150 mm _____

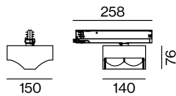
height 76 mm _____

Tracked spotlight in die cast aluminium with 2x2-lamp design; surface white 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 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 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 modules (tiltable +20° to -10°); 350° rotatable; degree of protection IP20; IP 40 protection glass available as an accessory; accessories are listed separately; PC2; 220-240 V; 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;

Light distribution



Product drawing



¹ RAL code ² double-sided
³ Value of containing product at full load (undimmed)
⁴ FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: 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	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

