

# SQUADRO single-sided wallwasher

track  
149-2210118A



Project / Type

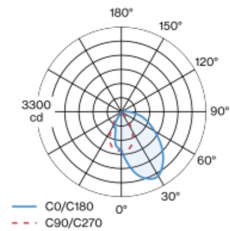
Notes

Count / Date

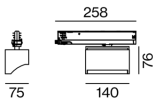


Tracked spotlight in die cast aluminium with 2-lamp design; surface black powder coated; converter integrated into spotlight head; heat sink integrated into luminaire geometry for optimum thermal management and passive cooling of LEDs; with COB (Chip on Board) technology for maximum efficiency; light colour 4000 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; aisle spotlight 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  $+20^\circ$  to  $-10^\circ$ );  $350^\circ$  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



## General

Ceiling , Track

tilt min  $-10^\circ$

tilt max  $20^\circ$

rotation  $350^\circ$

black , RAL 9005 <sup>1</sup>

IP20

4990 lm

## LED

4000 K

CRI  $\geq 90$

L80 / 50000 h

initial MacAdam  $\leq 2$  SDCM

R<sub>g</sub>: 100 , R<sub>f</sub>: 92 , R<sub>f(1-5)</sub>: 91

MR 0.78

MDER 0.71

## Optical

wall floor washer

## Electrical

non DIM

220-240 V

system 36 W

system 139 lm/W<sup>2</sup>

PC2

## Physical

length 140 mm

width 75 mm

height 87 mm

<sup>1</sup> RAL code  
<sup>2</sup> 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



## Lighting calculator



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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

MF

Maintenance Factor

LMF<sup>a</sup>

Luminaire Maintenance Factor

RSMF<sup>a</sup>

Room Surface Maintenance Factor

LLMF

Lamp Lumens Maintenance Factor

LSF

Lamp Survival Faktor

<sup>a</sup> 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.

## Optical accessories

### IP40 PROTECTION GLASS

TYPE	ARTICLE NUMBER(S)
1 x 2 lamps / single-sided	049-2910010

