

# SQUADRO 1 × 2 lamps wallwasher

trim

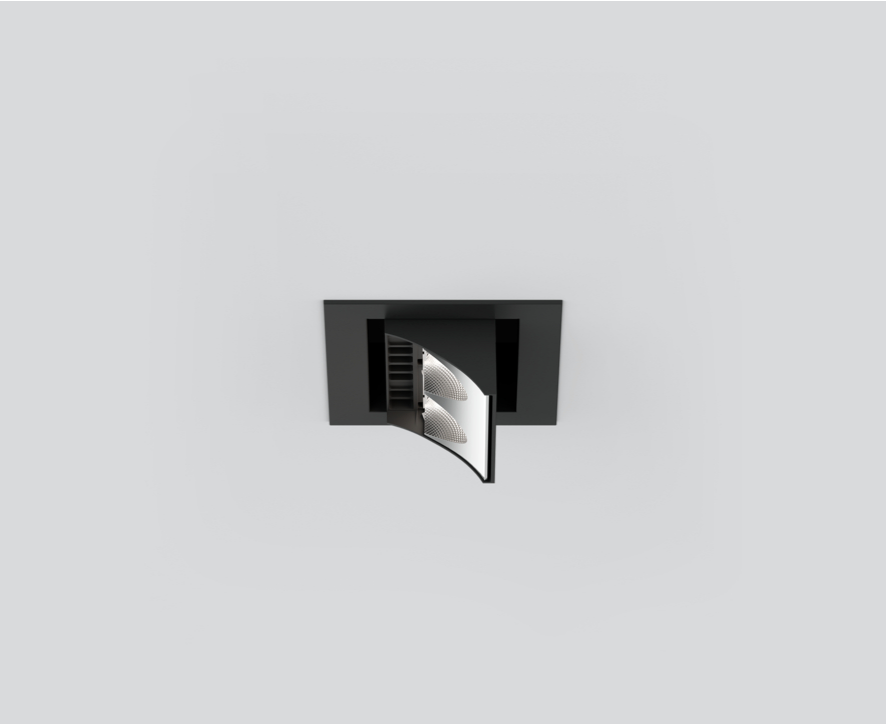
049-2011518S



Project / Type

Notes

Count / Date



### General

Ceiling , Recessed

black , RAL9005 <sup>1</sup>

IP20

3540 lm

### LED

3000 K

CRI ≥ 80

L85 / 50000 h

initial MacAdam ≤ 3 SDCM

### Optical

shelf floor washer

PstLM ≤ 1.0 <sup>2</sup>

SVM ≤ 0.4 <sup>2</sup>

### Electrical

non DIM

33 W

PC2 220-240V

107 lm/W

### 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

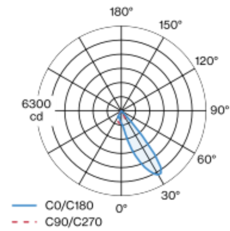
max. ceiling thickness 25 mm

recessed depth 85 mm

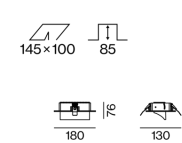
<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

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



### 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		RSMF <sup>a</sup>	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF <sup>a</sup>	Luminaire 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.

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

