

# SQUADRO single-sided wallwasher

track  
149-2210038S



Project / Type

Notes

Count / Date



|                               |
|-------------------------------|
| General                       |
| Ceiling , Track               |
| tilt min -10°                 |
| tilt max 20°                  |
| rotation 350°                 |
| black , RAL 9005 <sup>1</sup> |
| IP20                          |
| 4910 lm                       |

|   |
|---|
| LED   |
| 3000 K  |
| CRI ≥ 90  |
| L80 / 50000 h   |
| initial MacAdam ≤ 2 SDCM  |
| R <sub>g</sub> : 98 , R <sub>r</sub> : 91 , R <sub>t(1-15)</sub> : 93 |
| MR 0.54   |
| MDER 0.49   |

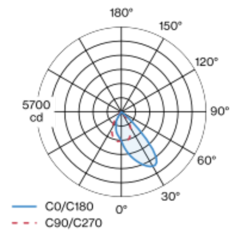
|                          |
|--------------------------|
| Optical                  |
| shelf floor washer       |
| PstLM ≤ 1.0 <sup>2</sup> |
| SVM ≤ 0.4 <sup>2</sup>   |

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 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. DALI-2 converter; 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                   |
| DALI-2                       |
| 220-240 V                    |
| system 36 W                  |
| system 136 lm/W <sup>3</sup> |
| PC2                          |

|               |
|---------------|
| Physical      |
| length 140 mm |
| width 75 mm   |
| height 87 mm  |

## Light distribution



## Product drawing



<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</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

MF

LMF<sup>a</sup>

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF<sup>a</sup>

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

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       |

