

SPIO 20 wallwasher/floor

trimless

048-17304108W 048-1698107 002-90787



Project / Type

Notes

Count / Date



General

Ceiling , Recessed

rotation 360°

white , RAL 9016 ¹

traffic white

IP20

399 lm

fixture 67 lm/W²

LED

2700 K

CRI ≥ 90

L95 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 104 , R_f: 88 , R₍₁₋₁₅₎: 89

MR 0.5

MDER 0.46

Optical

wallwasher floor

beam angle 52°

PstLM ≤ 1.0 ³

SVM ≤ 0.4 ³

Electrical

non DIM

220-240 V

system 7.9 W

fixture 5.9 W

5.6 Vf

1050 mA

PC2

Physical

trimless

diameter 26 mm

height 51 mm

0.21 kg

Cutout

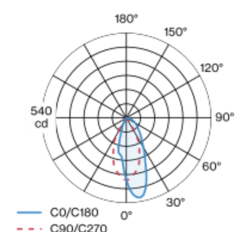
diameter 48 mm

min. ceiling thickness 9 mm

max. ceiling thickness 25 mm

recessed depth 80 mm

Light distribution



Product drawing



[048-17304108W 048-1698107 002-90787] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.

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Installation instructions



Lighting calculator



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Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|------------------------------|--------|---|--------|--------|
| LLMF | 1 | 0.99 | 0.98 | 0.97 | 0.96 |
| 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 Factor | | |

^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 | 17 |
| B13 | 21 |
| B16 | 27 |
| B20 | 33 |
| B25 | 42 |
| C10 | 28 |
| C13 | 36 |
| C16 | 45 |
| C20 | 56 |
| C25 | 70 |

Components

MOUNTING SET trimless

| TYPE | COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|------------------------------------|---------------|--------|-------------------|
| for plasterboard ceilings 9 –25 mm | traffic white | 56 | 048-1698107 |



POWER SUPPLY

| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
|------|------------|-------------------|
| 22 W | 111-38-28 | 002-90787 |



Mounting accessories

SPECIAL MOUNTING TOOL

| TYPE | Ø (MM) | ARTICLE NUMBER(S) |
|--|--------|-------------------|
| necessary to install mounting housing trimless | 83 | 063-8911110 |



Optional electrical accessories

DIN RAIL POWER SUPPLY

| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
|-------|------------|-------------------|
| 160 W | 72-90-63 | 005-6520210 |



DIN RAIL LED DRIVER

| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
|--------------------------------|------------|-------------------|
| DALI-2 200-1050 mA 2 x 42W | 36-88-59 | 005-6121030 |

