

SPIO 60 adjustable

trimless

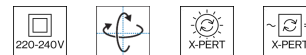
048-1520417F 048-1598107 002-90787



Project / Type _____

Notes _____

Count / Date _____



General

Ceiling , Recessed _____
tilt max 30° _____
rotation 360° _____
white , RAL9016 ¹ _____
Mounting set traffic white _____
front IP20 , back IP20 _____
455 lm _____

LED

2700 K _____
CRI ≥ 90 _____
L95 / 50000 h _____
initial MacAdam ≤ 3 SDCM _____
R_g: 104 , R_f: 88 , R_{f(1-15)}: 89 _____
MR 0.41 _____
MDER 0.46 _____

Optical

flood _____
beam angle 34° _____
UGR < 10 _____

Electrical

non DIM _____
14.0 W _____
inset 11.9 W _____
PC2 220-240V _____
33 lm/W _____

Physical

trimless _____
diameter 105 mm _____
height 68 mm _____
0.3 kg _____

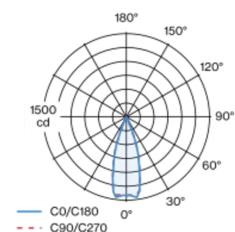
Cutout

diameter 106 mm _____
min. ceiling thickness 12.5 mm _____
max. ceiling thickness 25 mm _____
recessed depth 100 mm _____

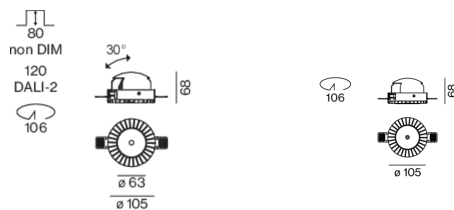
¹ RAL code

Round recessed spotlight in die-cast aluminium; surface white powder coated; installation without tools in mounting set with magnetic attachment; for trimless installation in plasterboard ceilings, specially designed trim with grooves for better adhesion of smoothing compound; suitable for ceiling thickness of 12.5/15/25 mm; paintable cover; shadow joint between cover and mounting set optionally fillable; 360° rotatable and 30° tilttable; passive cooling of the LEDs through improved heat sink geometry; light colour 2700 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 95% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 34° beam; no multiple shadows; uncluttered ceiling look through recessed lighting level; reduced light-emitting surface (only ø 10 mm); degree of protection IP20; 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



[048-1520417F 048-1598107 002-90787] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux 30.05.2023 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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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	1	1	0.993	0.978	0.963
LSF	1	1	1	1	1

MF LMF × RSMF × LLMF × LSF
 MF Maintenance Factor
 LMF^a Luminaire Maintenance Factor

RSMF^a Room Surface Maintenance Factor
 LLMF Lamp Lumens 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	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 12.5/15/25 mm	traffic white	105	048-1598107



POWER SUPPLY

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



Optional electrical accessories

DIN RAIL POWER SUPPLY

L-W-H (MM)	ARTICLE NUMBER(S)
90-90-60	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

