

SASSO 100 round downlight trim soft acoustic ceiling

048-2700117S 048-2796397 002-90780



Project / Type _____

Notes _____

Count / Date _____



General

Ceiling | Recessed
 traffic white | RAL 9016
 Mounting set traffic white
 front IP44 | back IP20
 2440 lm
 fixture 107 lm/W¹

LED

4000 K
 CRI ≥ 90
 L80 / 50000 h
 initial MacAdam ≤ 2 SDCM
 R_g: 98 | R_f: 90 | R_{f(1-15)}: 88
 MR 0.8 | MDER 0.72

Optical

spot | beam angle 20°
 UGR ≤ 16 | ≥65° <1500 cd/m²

Electrical

non DIM
 PC2 | 220-240 V
 system 26.7 W | fixture 22.7 W
 36 Vf | 650 mA

Physical

with trim for acoustic ceiling
 diameter 114 mm | height 75 mm
 0.49 kg

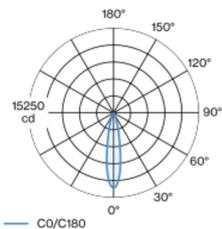
Cutout

diameter 100 mm
 min. ceiling thickness 25 mm | max. ceiling
 thickness 40 mm
 recessed depth 80 mm

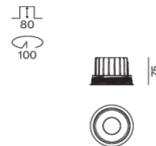
¹incl. consideration of optical losses & internal control unit losses

Round recessed spotlight in die-cast aluminium; 1 lamp; surface traffic white; installation without tools in mounting set due to patented ball catch system; round installation housing; with trim traffic white; for installation in soft acoustic ceilings; suitable for ceiling thickness of 25-40 mm; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 4000 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 20° beam; UGR ≤ 16; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 1500 cd/m²; degree of protection from below IP44 (from above IP20); PC2; 220-240 V; incl. converter, non dimmable; through wiring connection box, 3-pole or 5-pole, available as an accessory; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



Installation instructions



Lighting calculator



[048-2700117S 048-2796397 002-90780] 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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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.964	0.923	0.884	0.847	0.811
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	33
B16	53
B20	67
B25	83
C10	40
C16	64
C20	80
C25	100

Components

MOUNTING SET with trim for soft acoustic ceilings

COLOUR traffic white	Ø (MM) 114	ARTICLE NUMBER(S) 048-2796397
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POWER SUPPLY

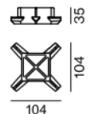
L-W-H (MM) 143-43-30	ARTICLE NUMBER(S) 002-90780
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Mounting accessories

MOUNTING TOOL

TYPE for soft acoustic ceilings	COLOUR traffic black	L-W-H (MM) 104-104-35	ARTICLE NUMBER(S) 048-2795910
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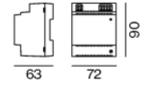
Count / Date _____

Optional electrical accessories

DIN RAIL POWER SUPPLY

L-W-H (MM)
72-90-63

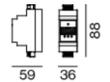
ARTICLE NUMBER(S)
005-6520210



DIN RAIL LED DRIVER

L-W-H (MM)
36-88-59

ARTICLE NUMBER(S)
005-6121030



Optional electrical accessories

POWER SUPPLY PRE-WIRED with junction box

ARTICLE NUMBER(S)

002-90767A
002-90789A
002-90776A
002-90766A
002-90780A
002-90774A



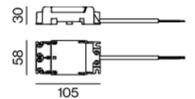
Electrical accessories

THROUGH WIRING CONNECTION BOX

TYPE
non DIM cable ø 4 – 12 mm
DALI cable ø 4 – 12 mm

L-W-H (MM)
105-58-30
105-58-30

ARTICLE NUMBER(S)
005-2531110
005-2551110



Optical accessories

HONEYCOMB LOUVER

TYPE
for BO 55 | SASSO 100

COLOUR
jet black

Ø (MM)
50

ARTICLE NUMBER(S)
007-1965598



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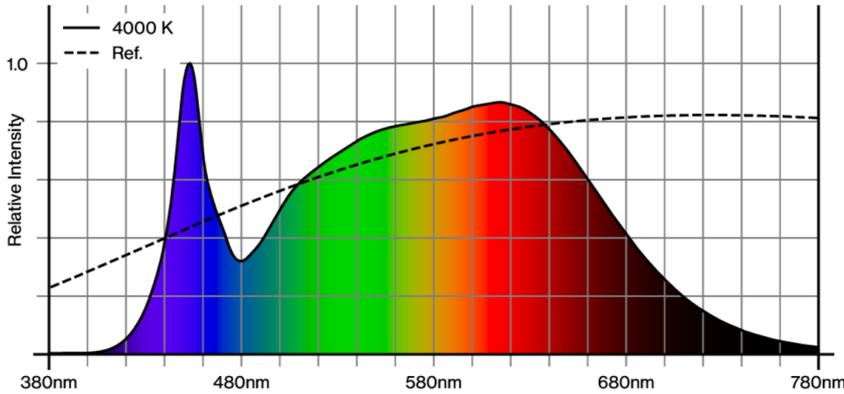


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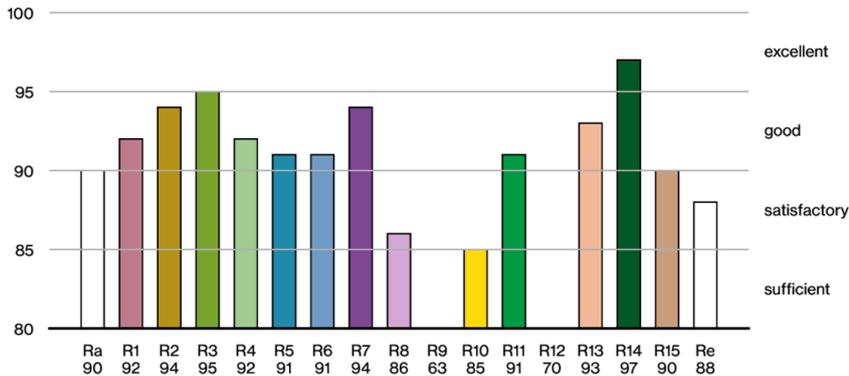
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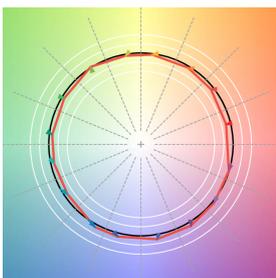
Colour rendering



CRI/R_a ≥ 91 R_e ≥ 88 (4000 K)



TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.