

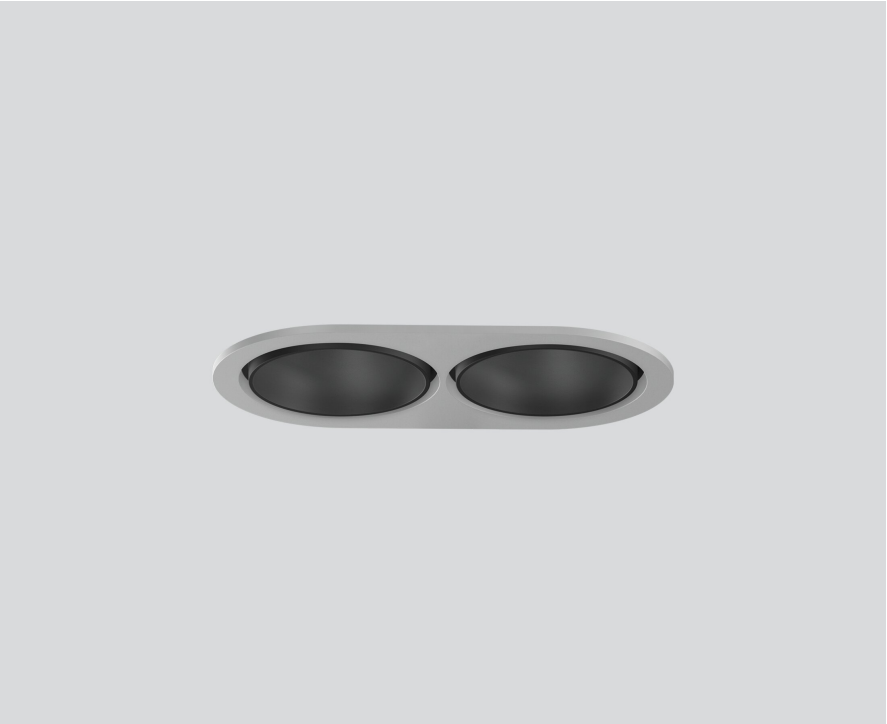
SASSO 60 round downlight

trim 2 lamps

048-2602E11F 048-269831G 002-90790

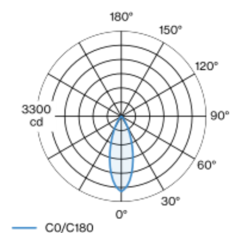


Project / Type
Notes
Count / Date

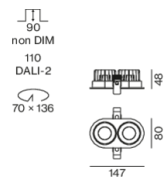


Round recessed spotlight in die-cast aluminium; 2 lamps; surface jet black; installation without tools in mounting set due to patented ball catch system; oval installation housing; with trim white aluminium; suitable for ceiling thickness of 2-25 mm; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; CWD (Colour Warm Dimming) of 1800K - 3000K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90 ; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 36° beam; UGR ≤ 19 ; degree of protection from below IP40 (from above IP20); PC2; 220-240 V; incl. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



General

Ceiling Recessed
rotation 360°
jet black RAL 9005
Mounting set white aluminium
front IP40 back IP20
1390 lm
fixture 68 lm/W ¹

LED

colour warm dimming 1800 K - 3000 K
CRI ≥ 90
L85 / 50000 h
initial MacAdam ≤ 3 SDCM
R _g : 101 R _r : 94 R _{f(15)} : 97
MR 0.64 MDER 0.58

Optical

flood beam angle 36°
UGR ≤ 19
PstLM ≤ 1.0 ² SVM ≤ 0.4 ²

Electrical

DALI-2 1 DALI Addr.
PC2 220-240 V
system 24.0 W fixture 10.2 W
total fixtures 20.4 W
300 mA

Physical

trim
length 147 mm width 80 mm height 48 mm
4.7 kg

Cutout

diameter 70 mm length 70 mm width 136 mm
min. ceiling thickness 2 mm max. ceiling thickness 25 mm
recessed depth 100 mm

¹ incl. consideration of optical losses & internal control unit losses
² Value of containing product at full load (undimmed)

Installation instructions



Lighting calculator



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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.96	0.94	0.91	0.89	0.86
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.

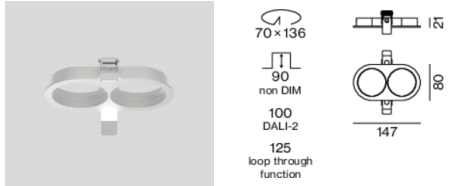
Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	72
B16	115
C10	106
C16	170

Components

MOUNTING SET with trim 2 lamps

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
for intermediate ceilings	white aluminium	147-80-21	048-269831G



POWER SUPPLY

ARTICLE NUMBER(S)
002-90790



Optional electrical accessories

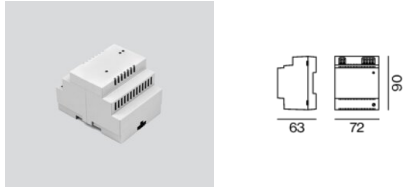
DIN RAIL LED DRIVER

L-W-H (MM)	ARTICLE NUMBER(S)
36-88-59	005-6121030



DIN RAIL POWER SUPPLY

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



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Optional electrical accessories

POWER SUPPLY PRE-WIRED with junction box

ARTICLE NUMBER(S)

002-90790A

002-90748A

002-90771A

002-90742A



Optional electrical accessories

POWER SUPPLY PRE-WIRED with loop through function

L-W-H (MM)

185-30-21

185-30-21

ARTICLE NUMBER(S)

002-90770

002-90747



Electrical accessories

THROUGH WIRING CONNECTION BOX

TYPE

non DIM cable ø 4 – 12 mm

105-58-30

ARTICLE NUMBER(S)

005-2531110

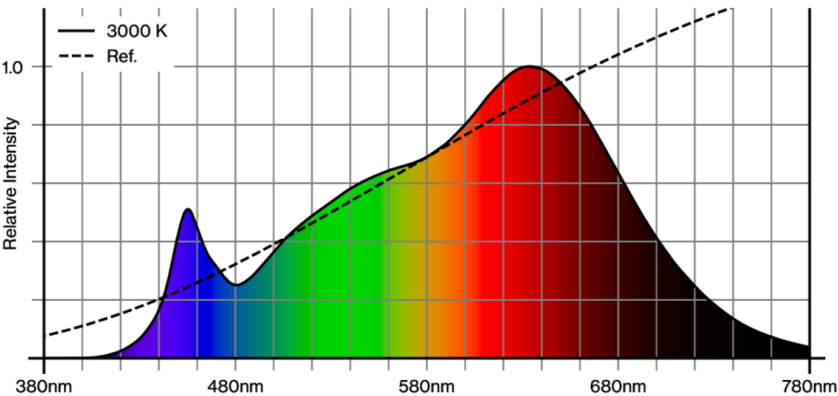
DALI cable ø 4 – 12 mm

105-58-30

005-2551110



Colour rendering



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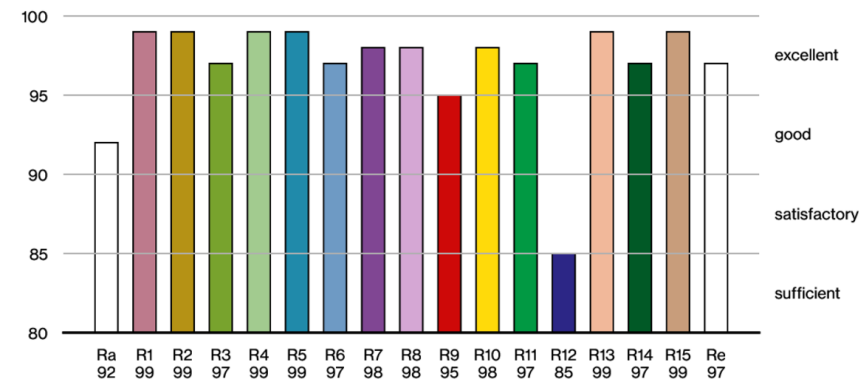


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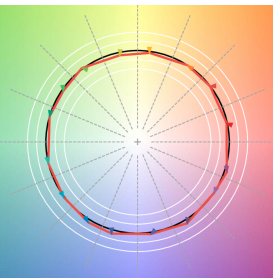
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CRI/R_a ≥ 98 R_e ≥ 97 (3000 K)



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.

