

# SASSO 60 round downlight

trimless exposed concrete

048-2602011F 048-2695210 002-90742



Project / Type

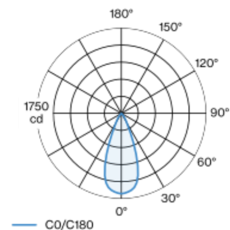
Notes

Count / Date

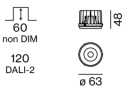


Round recessed spotlight in die-cast aluminium; 1 lamp; surface black; installation without tools in mounting set due to patented ball catch system; concrete housings for exposed concrete ceilings; for trimless installation; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 3000 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 41° beam; UGR  $\leq 16$ ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65°  $\leq 1500$  cd/m<sup>2</sup>; degree of protection from below IP44 (from above 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



360°

220-240V

IP20  
IP44

X-PERT

X-PERT

## General

Ceiling , Recessed

rotation 360°

black , RAL9005 <sup>1</sup>

Mounting set white aluminium

front IP44 , back IP20

830 lm

## LED

3000 K

CRI  $\geq 90$

L80 / 50000 h

initial MacAdam  $\leq 2$  SDCM

R<sub>g</sub>: 99 , R<sub>f</sub>: 90 , R<sub>t(1-15)</sub>: 87

MR 0.6

MDER 0.54

## Optical

flood

beam angle 41°

UGR < 16 ,  $\geq 65^\circ$  <1500 cd/m<sup>2</sup>

P<sub>stLM</sub>  $\leq 1.0$  <sup>2</sup>

SVM  $\leq 0.4$  <sup>2</sup>

## Electrical

non DIM

10.2 W

inset 8.7 W

36 Vf

250 mA

PC2 220-240V

81 lm/W

inset 95 lm/W

## Physical

trimless for exposed concrete ceiling

length 230 mm

width 230 mm

height 162 mm

2.35 kg

## Cutout

recessed depth 60 mm

<sup>1</sup> RAL code <sup>2</sup> 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	0.964	0.923	0.884	0.847	0.811
LSF	1	1	1	1	1
MF	LMF × RSMF × LLMF × LSF		RSMF <sup>a</sup> Room Surface Maintenance Factor		
MF	Maintenance Factor		LLMF Lamp Lumens Maintenance Factor		
LMF <sup>a</sup>	Luminaire Maintenance Factor		LSF 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.

## Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	57
B13	75
B16	92
B20	115
C10	57
C13	75
C16	92
C20	115

## Components

### EXPOSED CONCRETE MOUNTING HOUSING

COLOUR	L·W·H (MM)	ARTICLE NUMBER(S)
white aluminium	230-230-162	048-2695210



### POWER SUPPLY

TYPE	L·W·H (MM)	ARTICLE NUMBER(S)
10 W	65-39-20	002-90742



## 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

