

SONO FLEX 450

trim

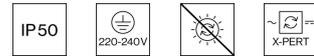
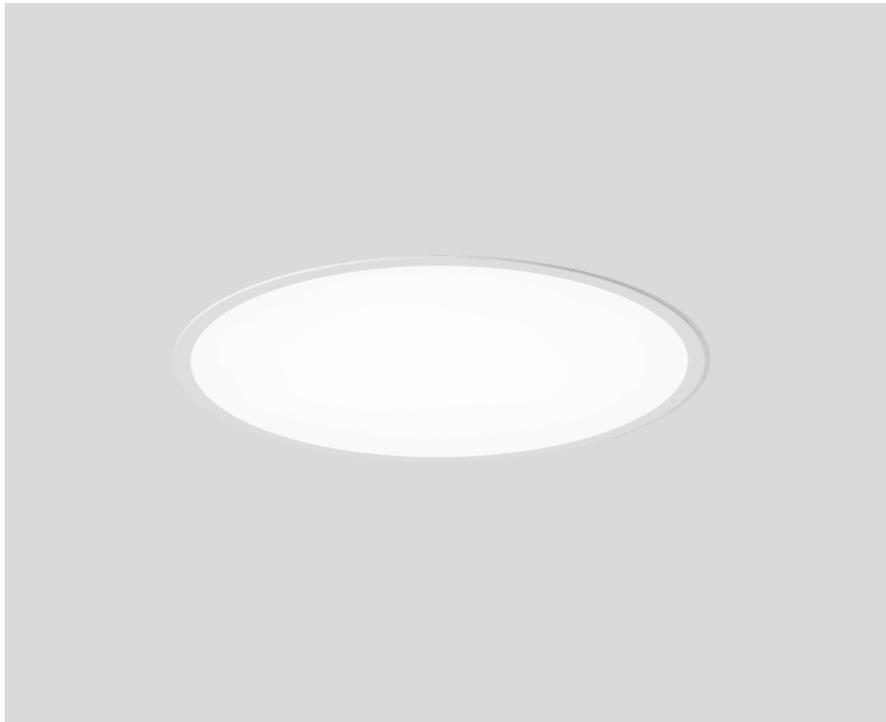
063-32485370



Project / Type

Notes

Count / Date



General

Ceiling , Recessed

white , RAL9010 ¹

IP50

2840 lm

LED

3000 K

CRI \geq 80

L90 / 50000 h

photobio. safety RG 0 - no Risk

initial MacAdam \leq 3 SDCM

MR 0.54

MDER 0.49

Optical

Opal

PstLM \leq 1.0 ²

SVM \leq 0.4 ²

Electrical

DALI-2

no emergency light

23.2 W

PC1 220-240V

122 lm/W

1 DALI Addr.

Physical

trim

diameter 478 mm

height 100 mm

7.6 kg

Cutout

diameter 465 mm

min. ceiling thickness 10 mm

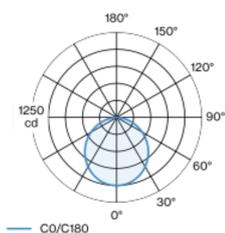
max. ceiling thickness 25 mm

recessed depth 150 mm

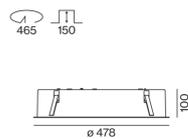
¹ RAL code ² Value of containing product at full load (undimmed)

Round light fitting in aluminium; consisting of light fitting (SONO) and installation housing; housing with wrap around border suitable for installation in plasterboard ceiling; suitable for ceiling thickness of 10-25 mm; surface white powder coated; luminaire can be set in the housing without tools; either flush with the ceiling or protruding 25mm; LED board highly reflective lacquered for higher efficiency; same luminance for all size versions; light colour 3000 K; binning initial MacAdam \leq 3 SDCM; CRI \geq 80; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; completely homogeneously illuminated, satin PMMA cover; luminaire with 2 cable openings and plug-in terminal for through wiring; degree of protection IP50; PC1 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; internal wiring in light halogen free; incl. DALI-2 converter; light source not replaceable; control gear replaceable by an authorized professional;

Light distribution



Product drawing



Installation instructions



Lighting calculator



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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.98	0.96	0.94	0.91	0.9
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 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	13
B13	20
B16	24
B20	30
C10	26
C13	40
C16	48
C20	60

Mounting accessories

CONCRETE INSTALLATION HOUSING

Ø (MM)
464

ARTICLE NUMBER(S)
063-2248100

