

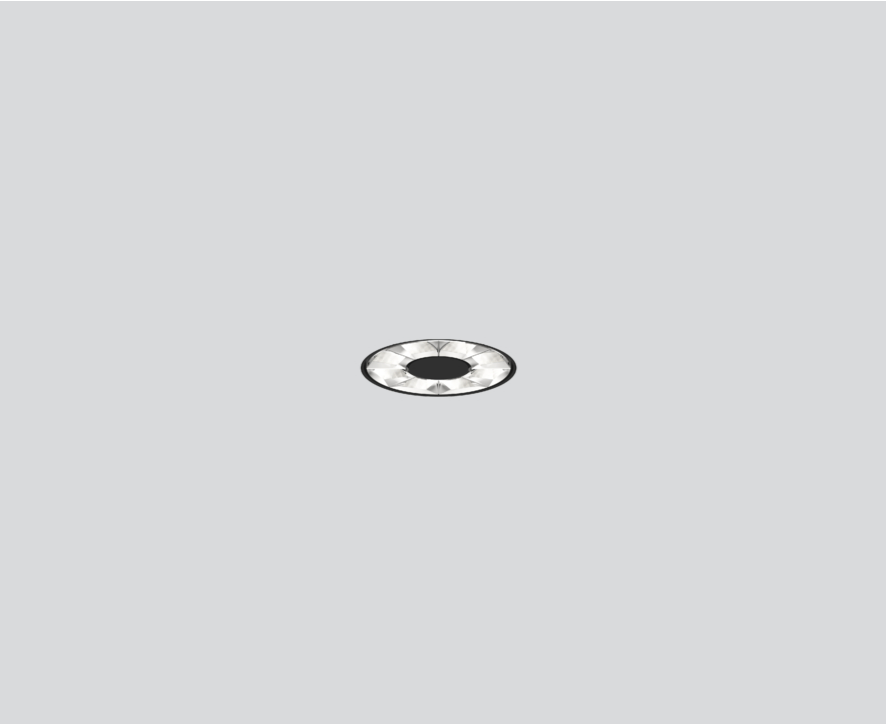
MITA circle 160

trimless

074-8222D18R 002-91121

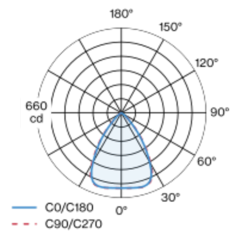


Project / Type
Notes
Count / Date

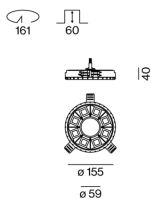


Ring-shaped light fitting in die-cast aluminium; extremely slim design; for trimless installation in plasterboard ceilings; suitable for ceiling thickness of 12.5/15/20/25 mm; surface black powder coated; incl. blind cover made of plastic in the cut-out; SASSO 60 round or SPIO 60 for installation in the cut-out available as an accessory; light colour: tunable white diodes (2700-6500 K); binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90 ; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; high gloss reflector with faceted design; Reflector chrome; UGR ≤ 19 ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above $65^\circ \leq 1500$ cd/m²; degree of protection IP20; PC2; 220-240 V; internal wiring in light halogen free; incl. DALI-2 / DT8 converter; converter wired secondary side; 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



General

Ceiling , Recessed
black , RAL 9005 ¹
Reflector chrome
IP20
835 lm
fixture 138 lm/W ²

LED

tunable white
2700 K - 6500 K
CRI ≥ 90
L90 / 50000 h
initial MacAdam ≤ 3 SDCM
R _g : 101, R _r : 90, R _{t(1-15)} : 88
MR 0.51
MDER 0.46

Optical

Reflector
symmetric
UGR ≤ 19 , $\geq 65^\circ < 1500$ cd/m ²
PstLM ≤ 1.0 ³
SVM ≤ 0.4 ³

Electrical

DALI-2 DT8
220-240 V
system 8.1 W
fixture 6.1 W
22 Vf
375 mA
PC2
1 DALI Addr.

Physical

trimless
diameter 160 mm
height 47 mm
1.19 kg

Cutout

diameter 161 mm
min. ceiling thickness 12.5 mm
max. ceiling thickness 25 mm
recessed depth 60 mm

¹ RAL code
² incl. consideration of optical losses & internal control unit losses
³ Value of containing product at full load (undimmed)



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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	0.92	0.9
LSF	1	1	1	1	1

MF

MF

LMF^a

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF^a

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

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.

Components

POWER SUPPLY

TYPE	L·W·H (MM)	ARTICLE NUMBER(S)
45 W	129-79-30	002-91121

