

MITA circle 160

ceiling

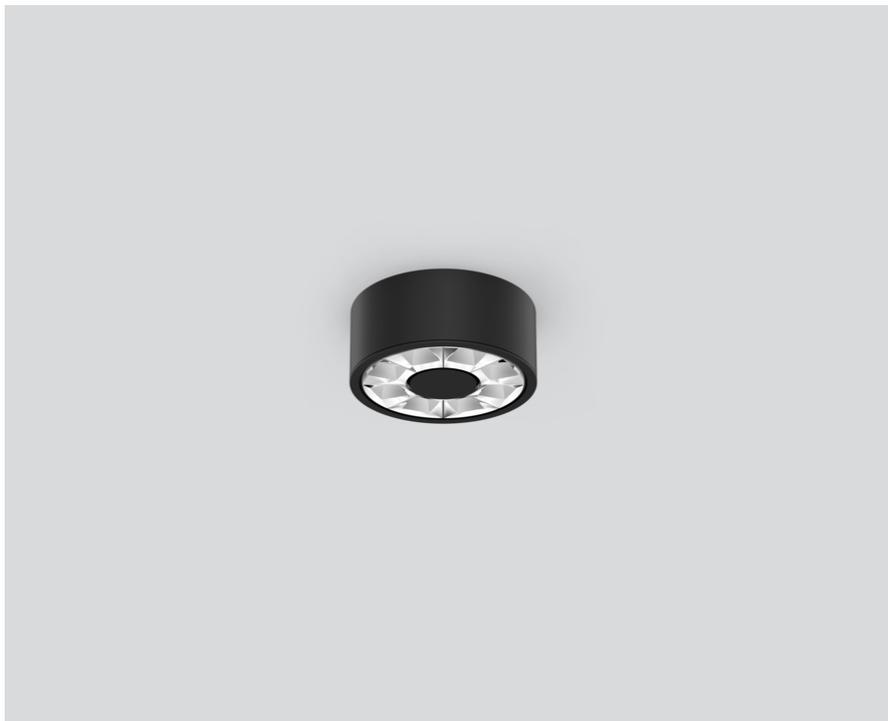
074-7616038R



Project / Type

Notes

Count / Date



General

Ceiling | Surface

jet black | RAL 9005 ¹

Reflector chrome

IP20

901 lm

LED

3000 K

CRI \geq 90

L90 / 50000 h

initial MacAdam \leq 3 SDCM

R_g: 99 | R_r: 91 | R_{f(1-15)}: 89

MR 0.61 | MDER 0.55

Optical

Reflector | symmetric

UGR \leq 19 | $\geq 65^\circ$ < 1500 cd/m²

PstLM \leq 1.0 ² | SVM \leq 0.4 ²

Electrical

DALI-2 | 1 DALI Addr.

PC1 | 220-240 V

system 7.8 W

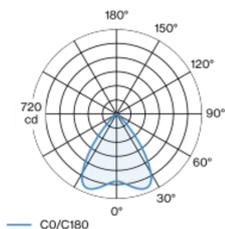
system 116 lm/W ³

Physical

diameter 165 mm | height 76 mm

Cylindrical ceiling surface mounted luminaire made of aluminium; slim design; surface jet black powder coated; ring shaped arranged reflectors; mounting plate with pre-assembled converter unit can be pre-mounted; luminaire housing can be attached without tools by interlock; incl. blind cover made of plastic in the cut-out; light colour 3000 K; binning initial MacAdam \leq 3 SDCM; CRI \geq 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 \leq 19; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above $65^\circ \leq$ 1500 cd/m²; degree of protection IP20; PC1; 220-240 V; incl. DALI-2 converter; luminaire for through wiring; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



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

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	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	37
B16	60
C10	37
C16	60