

MICRO 10

recessed

011-8100118F



Project / Type

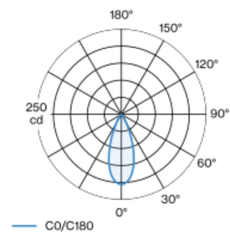
Notes

Count / Date



Round recessed spotlight in aluminium; surface lacquered in black; with trim; suitable for ceiling thickness of 10-20 mm; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 95 ; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 39° beam; degree of protection IP20; PC3; plug and play electrical connector system for toolless mounting (available as an accessory); accessories are listed separately; light source replaceable by an authorized professional;

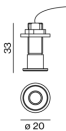
Light distribution



flood 39°

h (m)	EO ² (lx)	ø (m)
1	206	0.71
2	51	1.42
3	23	2.13
4	13	2.84
5	8	3.55

Product drawing



General

Showcase , Recessed

black , RAL 9021¹

IP20

Interior

101 lm

optical inset 100 lm/W²

LED

4000 K

CRI ≥ 95

L85 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 100 , R_f: 94 , R_{f(1-5)}: 96

MR 0.87

MDER 0.78

Optical

flood

beam angle 39°

Electrical

excl. driver

fixture 1.4 W

fixture 72 lm/W³

optical inset 1.0 W

PC3

Physical

length 20 mm

width 20 mm

height 33 mm

Cutout

min. ceiling thickness 10 mm

max. ceiling thickness 20 mm

¹ RAL code

² OPTICAL INSET: incl. consideration of optical losses

³ FIXTURE: incl. consideration of optical losses & internal control unit losses
SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

Installation instructions



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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.983	0.957	0.931	0.906	0.881
LSF	1	1	1	1	1

MF

LMF × RSMF × LLMF × LSF

MF

Maintenance Factor

LMF^a

Luminaire Maintenance Factor

RSMF^a

Room Surface Maintenance Factor

LLMF

Lamp Lumens 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.

Electrical accessories

POWER SUPPLY EU

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
15 W DALI-2	145-33-21	011-9211130



Electrical accessories

SPLITTER SERIAL

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
3 × socket / 1 × plug	38-30-10	011-9228300
6 × socket / 1 × plug	55-32-10	011-9228600



Electrical accessories

EXTENSION CABLE

TYPE	ARTICLE NUMBER(S)
1 × socket / 1 × plug	011-9221120
1 × socket / 1 × plug	011-9221140
1 × socket / 1 × plug	011-9221180

