

MITA circle 450 reflector

trim

074-8116138B

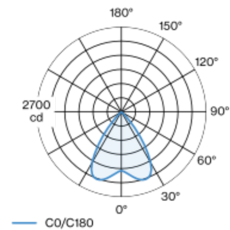


| | |
|----------------|--|
| Project / Type | |
| Notes | |
| Count / Date | |



Ring-shaped light fitting in die-cast aluminium; extremely slim design; recessed light with wrap around edge; suitable for ceiling thickness of 2-25 mm; surface black powder coated; blind cover to cover the cut-out available as an accessory; accessories are listed separately; light colour 4000 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 dark chrome; UGR ≤ 19 ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above $65^\circ \leq 1500 \text{ cd/m}^2$; degree of protection IP20; PC2; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; converter wired secondary side; 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 dark chrome | |
| IP20 | |
| 2800 lm | |

LED

| | |
|--|--|
| 4000 K | |
| CRI ≥ 90 | |
| L90 / 50000 h | |
| initial MacAdam ≤ 3 SDCM | |
| R _g : 99 , R _r : 92 , R ₍₁₋₁₅₎ : 90 | |
| MR 0.81 | |
| MDER 0.74 | |

Optical

| | |
|---|--|
| Reflector | |
| symmetric | |
| UGR ≤ 19 , $\geq 65^\circ < 1500 \text{ cd/m}^2$ | |
| PstLM ≤ 1.0 ² | |
| SVM ≤ 0.4 ² | |

Electrical

| | |
|-----------------------------|--|
| DALI-2 | |
| 220-240 V | |
| system 30 W | |
| system 93 lm/W ³ | |
| PC2 | |
| 1 DALI Addr. | |

Physical

| | |
|-----------------|--|
| trim | |
| diameter 444 mm | |
| height 47 mm | |

Cutout

| | |
|------------------------------|--|
| diameter 432 mm | |
| min. ceiling thickness 2 mm | |
| max. ceiling thickness 25 mm | |
| recessed depth 60 mm | |

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 |

OPTICAL

BLIND COVER circle 450

| COLOUR | ARTICLE NUMBER(S) |
|---------------|-------------------|
| traffic white | 074-8911617 |
| jet black | 074-8911618 |

