

# MITA circle 200 reflector

trim

074-8123137B



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



## General

|                               |
|-------------------------------|
| Ceiling , Recessed            |
| white , RAL 9016 <sup>1</sup> |
| Reflector dark chrome         |
| IP20                          |
| 1220 lm                       |

## LED

|                                                                       |
|-----------------------------------------------------------------------|
| 4000 K                                                                |
| CRI ≥ 90                                                              |
| L90 / 50000 h                                                         |
| initial MacAdam ≤ 3 SDCM                                              |
| R <sub>g</sub> : 99 , R <sub>r</sub> : 92 , R <sub>t(1-15)</sub> : 90 |
| MR 0.81                                                               |
| MDER 0.74                                                             |

## Optical

|                             |
|-----------------------------|
| Reflector                   |
| symmetric                   |
| UGR < 19 , ≥65° <1500 cd/m² |
| PstLM ≤ 1.0 <sup>2</sup>    |
| SVM ≤ 0.4 <sup>2</sup>      |

## Electrical

|                             |
|-----------------------------|
| DALI-2                      |
| 220-240 V                   |
| system 13.2 W               |
| system 92 lm/W <sup>3</sup> |
| PC2                         |

## Physical

|                 |
|-----------------|
| diameter 210 mm |
| height 36 mm    |

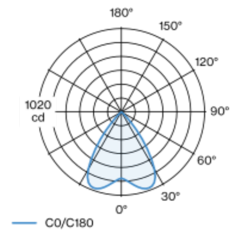
## Cutout

|                              |
|------------------------------|
| diameter 200 mm              |
| min. ceiling thickness 2 mm  |
| max. ceiling thickness 25 mm |
| recessed depth 62 mm         |

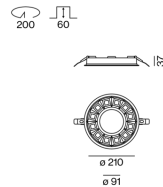
<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

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 white powder coated; 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° ≤ 1500 cd/m²; 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



## 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 <sup>a</sup> | Room Surface Maintenance Factor |        |
| MF                 | Maintenance Factor           |        | LLMF              | Lamp Lumens Maintenance Factor  |        |
| LMF <sup>a</sup>   | Luminaire Maintenance Factor |        | LSF               | Lamp Survival Faktor            |        |

<sup>a</sup> 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                            | 18                 |
| B16                            | 30                 |
| C10                            | 23                 |
| C16                            | 36                 |

