

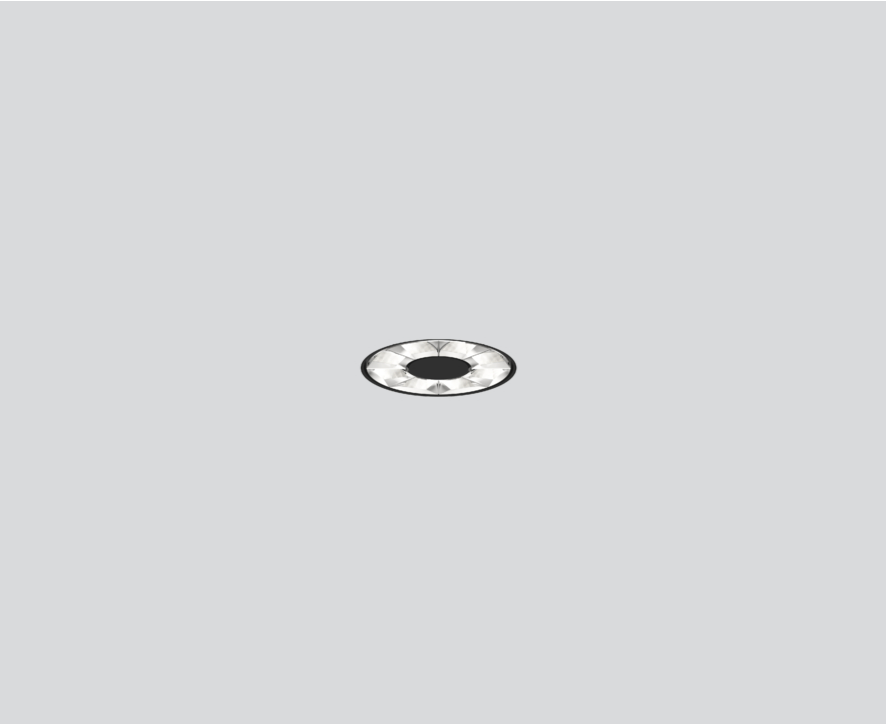
# MITA circle 160

trimless

074-8222618R 002-91120

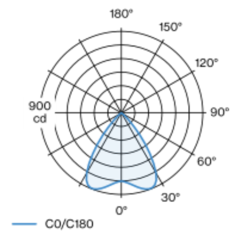


|                |
|----------------|
| Project / Type |
| Notes          |
| Count / Date   |

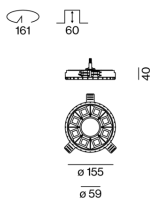


Ring-shaped light fitting in die-cast aluminium; extremely slim design; for trimless installation in plasterboard ceilings; suitable for ceiling thickness of 12.5/15/20/25 mm; surface black powder coated; incl. blind cover made of plastic in the cut-out; SASSO 60 round or SPIO 60 for installation in the cut-out available as an accessory; light colour 4000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 80$ ; 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/m<sup>2</sup>; degree of protection IP20; PC2; 220-240 V; internal wiring in light halogen free; incl. DALI-2 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 <sup>1</sup> |
| Reflector chrome              |
| IP20                          |
| 1190 lm                       |
| fixture 187 lm/W <sup>2</sup> |

## LED

|                               |
|-------------------------------|
| 4000 K                        |
| CRI $\geq 80$                 |
| L90 / 50000 h                 |
| initial MacAdam $\leq 3$ SDCM |
| MR 0.72   MDER 0.65           |

## Optical

|   |
|---|
| Reflector   symmetric                                       |
| UGR $\leq 19$   $\geq 65^\circ < 1500$ cd/m <sup>2</sup>    |
| PstLM $\leq 1.0$ <sup>3</sup>   SVM $\leq 0.4$ <sup>3</sup> |

## Electrical

|                              |
|------------------------------|
| DALI-2   1 DALI Addr.        |
| PC2   220-240 V              |
| system 8.5 W   fixture 6.4 W |
| 22 Vf   300 mA               |

## Physical

|                                |
|--------------------------------|
| trimless                       |
| diameter 160 mm   height 47 mm |
| 1.52 kg                        |

## Cutout

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

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

## 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 Factor            |

<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.

## Components

### POWER SUPPLY

|            |                   |
|------------|-------------------|
| L·W·H (MM) | ARTICLE NUMBER(S) |
| 97-43-30   | 002-91120         |



## Optional electrical accessories

### DIN RAIL LED DRIVER

|                         |            |                   |
|-------------------------|------------|-------------------|
| TYPE                    | L·W·H (MM) | ARTICLE NUMBER(S) |
| 200 - 1050 mA   2 x 42W | 36-88-59   | 005-6121030       |



### DIN RAIL POWER SUPPLY

|            |                   |
|------------|-------------------|
| L·W·H (MM) | ARTICLE NUMBER(S) |
| 72-90-63   | 005-6520210       |

