

BO 55 semi-recessed

049-6140517F 002-90729



Project / Type

Notes

Count / Date



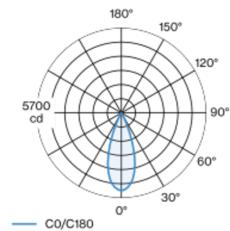
| |
|------------------------------|
| General |
| Ceiling , Semi-Recessed |
| tilt max 90° |
| rotation 350° |
| white , RAL9016 ¹ |
| IP20 |
| 1910 lm |

| |
|---|
| LED |
| 3000 K |
| CRI ≥ 90 |
| L80 / 50000 h |
| initial MacAdam ≤ 2 SDCM |
| R _g : 100 , R _f : 91 , R _{f1-5} : 88 |
| MR 0.59 |
| MDER 0.53 |

| |
|--------------------------|
| Optical |
| flood |
| beam angle 37° |
| PstLM ≤ 1.0 ² |
| SVM ≤ 0.4 ² |

Cylindrical spotlight in aluminium; surface white powder coated; 350° rotatable and 90° tiltable; recessed version with trim; suitable for ceiling thickness of 2-25 mm; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 3000 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; high quality, aluminium, vapour deposition coated reflector with faceted lens design; precise radiation characteristic with 37° beam; good glare control through recessed light point level; optical attachment available as accessory; accessories are listed separately; degree of protection IP20; PC2 220-240V; incl. DALI-2 converter; flicker-free visual comfort through analogue current control (minimum value 1%); external converter for ceiling insertion, through-wiring suitable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



| | | | |
|-----------|----------|-------|--|
| flood 37° | | | |
| h (m) | EO° (lx) | ø (m) | |
| 1 | 5220 | 0.67 | |
| 2 | 1300 | 1.34 | |
| 3 | 580 | 2.01 | |
| 4 | 330 | 2.68 | |
| 5 | 210 | 3.35 | |

Product drawing



| |
|-----------------------------|
| Electrical |
| DALI-2 |
| system 24.7 W |
| inset 21.0 W |
| 36 Vf |
| 600 mA |
| PC2 220-240V |
| system 77 lm/W ³ |
| inset 91 lm/W ⁴ |
| 1 DALI Addr. |

| |
|----------------|
| Physical |
| diameter 55 mm |
| height 159 mm |
| 0.48 kg |

| |
|------------------------------|
| Cutout |
| diameter 46 mm |
| min. ceiling thickness 2 mm |
| max. ceiling thickness 25 mm |
| recessed depth 150 mm |

¹ RAL code ² Value of containing product at full load (undimmed)
³ incl. optical losses and the efficiency of the operating device (converter)
⁴ incl. optical losses

Installation instructions



Lighting calculator



BO 55 semi-recessed

049-6140517F 002-90729



Project / Type

Notes

Count / Date

Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|------------------------------|--------|-------------------|---------------------------------|--------|
| LLMF | 0.96 | 0.92 | 0.88 | 0.85 | 0.81 |
| 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 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.

Circuit Breaker Types

| Automatic Circuit Breaker Type | Number of Fixtures |
|--------------------------------|--------------------|
| B10 | 36 |
| B13 | 47 |
| B16 | 58 |
| C10 | 36 |
| C13 | 78 |
| C16 | 58 |

Components

POWER SUPPLY

| | |
|------------|-------------------|
| L-W-H (MM) | ARTICLE NUMBER(S) |
| 197-29-21 | 002-90729 |



Optional electrical accessories

DIN RAIL POWER SUPPLY

| | | |
|-------|------------|-------------------|
| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
| 160 W | 72-90-63 | 005-6520210 |



DIN RAIL LED DRIVER

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



Optical accessories

HONEYCOMB LOUVER

| | | |
|-----------|--------|-------------------|
| COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
| jet black | 50 | 007-1965598 |



BO 55 semi-recessed

049-6140517F 002-90729



Project / Type

Notes

Count / Date

Optical accessories

OVAL LENS

| | |
|--------|-------------------|
| Ø (MM) | ARTICLE NUMBER(S) |
| 50 | 007-1965890 |



SOFT LENS

| | |
|--------|-------------------|
| Ø (MM) | ARTICLE NUMBER(S) |
| 50 | 007-1965990 |



WALLWASHER LENS

| | |
|--------|-------------------|
| Ø (MM) | ARTICLE NUMBER(S) |
| 50 | 007-1965790 |

