

BO 32 semi-recessed

049-6120718M 002-90743



Project / Type _____

Notes _____

Count / Date _____



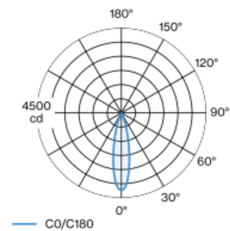
| |
|------------------------------|
| General |
| Ceiling , Semi-Recessed |
| tilt max 90° |
| rotation 350° |
| black , RAL9005 ¹ |
| IP20 |
| 773 lm |

| |
|---|
| LED |
| 3500 K |
| CRI ≥ 90 |
| L80 / 50000 h |
| initial MacAdam ≤ 2 SDCM |
| R _g : 97 , R _f : 90 , R ₍₁₋₅₎ : 89 |
| MR 0.7 |
| MDER 0.63 |

| |
|--------------------------|
| Optical |
| medium |
| beam angle 24° |
| PstLM ≤ 1.0 ² |
| SVM ≤ 0.4 ² |

Cylindrical spotlight in aluminium; surface black 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 3500 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 24° 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



| | | | |
|------------|----------|-------|--|
| medium 24° | | | |
| h (m) | EO° (lx) | ø (m) | |
| 1 | 4110 | 0.42 | |
| 2 | 1030 | 0.83 | |
| 3 | 460 | 1.25 | |
| 4 | 260 | 1.67 | |
| 5 | 160 | 2.09 | |

Product drawing



| |
|-----------------------------|
| Electrical |
| DALI-2 |
| system 11.6 W |
| inset 8.7 W |
| 36 Vf |
| 250 mA |
| PC2 220-240V |
| system 67 lm/W ³ |
| inset 89 lm/W ⁴ |
| 1 DALI Addr. |

| |
|-----------------|
| Physical |
| diameter 32 mm |
| height 139 mm |
| 0.39 kg |

| |
|------------------------------|
| Cutout |
| diameter 46 mm |
| min. ceiling thickness 2 mm |
| max. ceiling thickness 25 mm |
| recessed depth 110 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



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Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|------------------------------|--------|---|--------|--------|
| LLMF | 0.964 | 0.923 | 0.884 | 0.847 | 0.811 |
| 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 | 80 |
| B13 | 104 |
| B16 | 130 |
| B20 | 162 |
| C10 | 135 |
| C13 | 175 |
| C16 | 220 |
| C20 | 270 |

Components

POWER SUPPLY

| TYPE | L·W·H (MM) | ARTICLE NUMBER(S) |
|------|------------|-------------------|
| 10 W | 166-30-22 | 002-90743 |



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 | 30 | 007-1965168 |



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Optical accessories

OVAL LENS

| | |
|--------|-------------------|
| Ø (MM) | ARTICLE NUMBER(S) |
| 30 | 007-1965860 |



SOFT LENS

| | |
|--------|-------------------|
| Ø (MM) | ARTICLE NUMBER(S) |
| 30 | 007-1965960 |



WALLWASHER LENS

| | |
|--------|-------------------|
| Ø (MM) | ARTICLE NUMBER(S) |
| 30 | 007-1965760 |

