

# BO 32 semi-recessed

049-6120517S 002-90742



Project / Type

Notes

Count / Date



General

Ceiling , Semi-Recessed

tilt max 90°

rotation 350°

white , RAL9016 <sup>1</sup>

IP20

800 lm

LED

3000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R<sub>g</sub>: 100 , R<sub>f</sub>: 91 , R<sub>f(1-5)</sub>: 88

MR 0.59

MDER 0.53

Optical

spot

beam angle 18°

PstLM ≤ 1.0 <sup>2</sup>

SVM ≤ 0.4 <sup>2</sup>

Electrical

non DIM

11.7 W

PC2 220-240V

68 lm/W

Physical

diameter 32 mm

height 139 mm

0.23 kg

Cutout

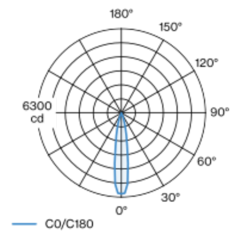
min. ceiling thickness 2 mm

max. ceiling thickness 25 mm

recessed depth 60 mm

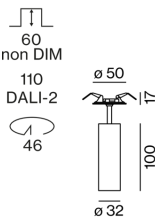
<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

## Light distribution



| spot 18° |          |       |  |
|----------|----------|-------|--|
| h (m)    | EO° (lx) | ø (m) |  |
| 1        | 6060     | 0.32  |  |
| 2        | 1510     | 0.63  |  |
| 3        | 670      | 0.95  |  |
| 4        | 380      | 1.27  |  |
| 5        | 240      | 1.58  |  |

## Product drawing



Installation instructions

Lighting calculator



# BO 32 semi-recessed

049-6120517S 002-90742



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 <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                            | 57                 |
| B13                            | 75                 |
| B16                            | 92                 |
| B20                            | 115                |
| C10                            | 57                 |
| C13                            | 75                 |
| C16                            | 92                 |
| C20                            | 115                |

## Components

### POWER SUPPLY

|            |                   |
|------------|-------------------|
| L·W·H (MM) | ARTICLE NUMBER(S) |
| 65-39-20   | 002-90742         |



## Optional electrical accessories

### DIN RAIL POWER SUPPLY

|            |                   |
|------------|-------------------|
| L·W·H (MM) | ARTICLE NUMBER(S) |
| 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       |

