

# MOVE IN 45 flex round

trimless

063-8221518V 063-8812117 002-90729



Project / Type

Notes

Count / Date



## General

Ceiling , Semi-Recessed

tilt max 90°

rotation 360°

black , RAL 9005 <sup>1</sup>

IP20

346 lm

fixture 50 lm/W<sup>2</sup>

## LED

3000 K

CRI ≥ 90

L85 / 50000 h

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 98 , R<sub>r</sub>: 91 , R<sub>(1-15)</sub>: 89

MR 0.6

MDER 0.55

## Optical

super spot

beam angle 8°

P<sub>stLM</sub> ≤ 1.0 <sup>3</sup>

SVM ≤ 0.4 <sup>3</sup>

## Electrical

DALI-2

220-240 V

system 9.2 W

fixture 6.9 W

11 Vf

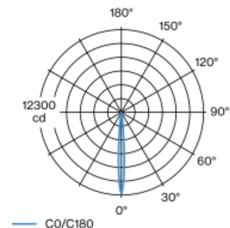
600 mA

PC2

1 DALI Addr.

Round spotlight element in aluminium; surface black powder coated; installation without tools in mounting set due to patented ball catch system; for trimless installation in plasterboard ceilings; suitable for ceiling thickness of 9-25 mm; special mounting tool for easy installation of the trimless housing available as an accessory; spotlight element height adjustable without tools: flush with the ceiling, or extended 25 mm or 35 mm; 360° rotatable and 90° tiltable; 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 ≤ 3 SDCM; CRI ≥ 90; min. 85% 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 8° beam; good glare control through recessed light point level; optical attachment available as accessory; accessories are listed separately; degree of protection IP20; PC2; 220-240 V; incl. DALI-2 converter; converter wired secondary side; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



super spot 8°

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 12100    | 0.14  |
| 2     | 3000     | 0.28  |
| 3     | 1300     | 0.41  |
| 4     | 800      | 0.55  |
| 5     | 500      | 0.69  |

## Product drawing



## Physical

trimless

diameter 75 mm

height 106 mm

0.47 kg

## Cutout

diameter 65 mm

min. ceiling thickness 9 mm

max. ceiling thickness 25 mm

recessed depth 195 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                         | 0.95   | 0.92              | 0.89                            | 0.86   |
| 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                            | 36                 |
| B13                            | 47                 |
| B16                            | 58                 |
| C10                            | 36                 |
| C13                            | 78                 |
| C16                            | 58                 |

## Components

### MOUNTING HOUSING trimless

| Ø (MM) | ARTICLE NUMBER(S) |
|--------|-------------------|
| 75     | 063-8812117       |



### POWER SUPPLY

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



## Mounting accessories

### SPECIAL MOUNTING TOOL

| TYPE   | Ø (MM) | ARTICLE NUMBER(S) |
|--|--------|-------------------|
| necessary to install mounting housing trimless | 100    | 063-8912110       |



## 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       |

