

# MOVE IN 45 flex round

trim

063-8221416S 063-8822118 002-90722



Project / Type

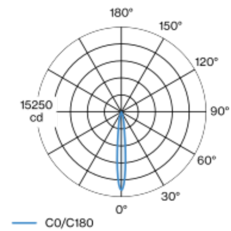
Notes

Count / Date



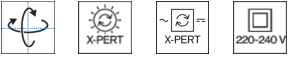
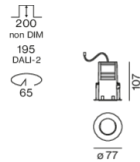
Round spotlight element in aluminium; surface brushed aluminium; installation without tools in mounting set due to patented ball catch system; recessed light with trim jet black; suitable for ceiling thickness of 2-25 mm; spotlight element height adjustable without tools: flush with the ceiling, or extended 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 2700 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; 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 12° 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. converter, non dimmable; converter wired secondary side; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



| h (m) | EO° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 14000    | 0.21  |
| 2     | 3500     | 0.42  |
| 3     | 1600     | 0.63  |
| 4     | 900      | 0.84  |
| 5     | 600      | 1.06  |

## Product drawing



## General

Ceiling | Semi-Recessed

tilt max 90°

rotation 360°

brushed aluminium

Mounting set jet black

IP20

1110 lm

## LED

2700 K

CRI  $\geq 90$

L80 / 50000 h

initial MacAdam  $\leq 2$  SDCM

R<sub>g</sub>: 97 | R<sub>r</sub>: 91 | R<sub>t(15)</sub>: 87

MR 0.52 | MDER 0.47

## Optical

spot | beam angle 12°

PstLM  $\leq 1.0$ <sup>1 2 3 4</sup> | SVM  $\leq 0.4$ <sup>1 2 3 4</sup>

## Electrical

non DIM

PC2 | 220-240 V

system 14.8 W | fixture 12.6 W

fixture 88 lm/W<sup>5</sup>

37 Vf | 350 mA

## Physical

trim

diameter 77 mm | height 107 mm

0.75 kg

## Cutout

diameter 65 mm

min. ceiling thickness 2 mm | max. ceiling thickness 25 mm

recessed depth 200 mm

<sup>1</sup> wallwasher lens BO 45 007-1965780

<sup>2</sup> soft lens BO 45 007-1965980 <sup>3</sup> oval lens BO 45 007-1965880

<sup>4</sup> Value of containing product at full load (undimmed)

<sup>5</sup> incl. consideration of optical losses & internal control unit 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 <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.

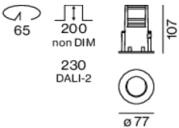
## Circuit Breaker Types

| Automatic Circuit Breaker Type | Number of Fixtures |
|--------------------------------|--------------------|
| B10                            | 31                 |
| B13                            | 40                 |
| B16                            | 50                 |
| B20                            | 62                 |
| B25                            | 78                 |
| C10                            | 52                 |
| C13                            | 67                 |
| C16                            | 85                 |
| C20                            | 104                |
| C25                            | 130                |

## Components

### MOUNTING HOUSING with trim

| TYPE                         | COLOUR    | Ø (MM) | ARTICLE NUMBER(S) |
|------------------------------|-----------|--------|-------------------|
| for installation in ceilings | jet black | 77     | 063-8822118       |



### POWER SUPPLY

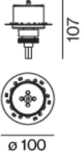
| L-W-H (MM) | ARTICLE NUMBER(S) |
|------------|-------------------|
| 180-30-21  | 002-90722         |



## Mounting accessories

### SPECIAL MOUNTING TOOL

| TYPE  | Ø (MM) | ARTICLE NUMBER(S) |
|---|--------|-------------------|
| for ARY   MOVE IN 45   NOBA trimless   TULA | 100    | 063-8912110       |



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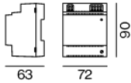
Count / Date

## Optional electrical accessories

### DIN RAIL POWER SUPPLY

L-W-H (MM)  
72-90-63

ARTICLE NUMBER(S)  
005-6520210



### DIN RAIL LED DRIVER

L-W-H (MM)  
36-88-59

ARTICLE NUMBER(S)  
005-6121030



## Optical accessories

### HONEYCOMB LOUVER

| TYPE  | COLOUR    | Ø (MM) | ARTICLE NUMBER(S) |
|---|-----------|--------|-------------------|
| for BO 45   JUST 45   MOVE IN 45   TARO 45   TULA micro | jet black | 42     | 007-1965188       |



## Optical accessories

### OVAL LENS

| TYPE                                | Ø (MM) | ARTICLE NUMBER(S) |
|-------------------------------------|--------|-------------------|
| for BO 45   MOVE IN 45   TULA micro | 42     | 007-1965880       |



### SOFT LENS

| TYPE                                      | Ø (MM) | ARTICLE NUMBER(S) |
|---|--------|-------------------|
| for ARY   BO 45   MOVE IN 45   TULA micro | 42     | 007-1965980       |



### WALLWASHER LENS

| TYPE                                      | Ø (MM) | ARTICLE NUMBER(S) |
|---|--------|-------------------|
| for ARY   BO 45   MOVE IN 45   TULA micro | 42     | 007-1965780       |



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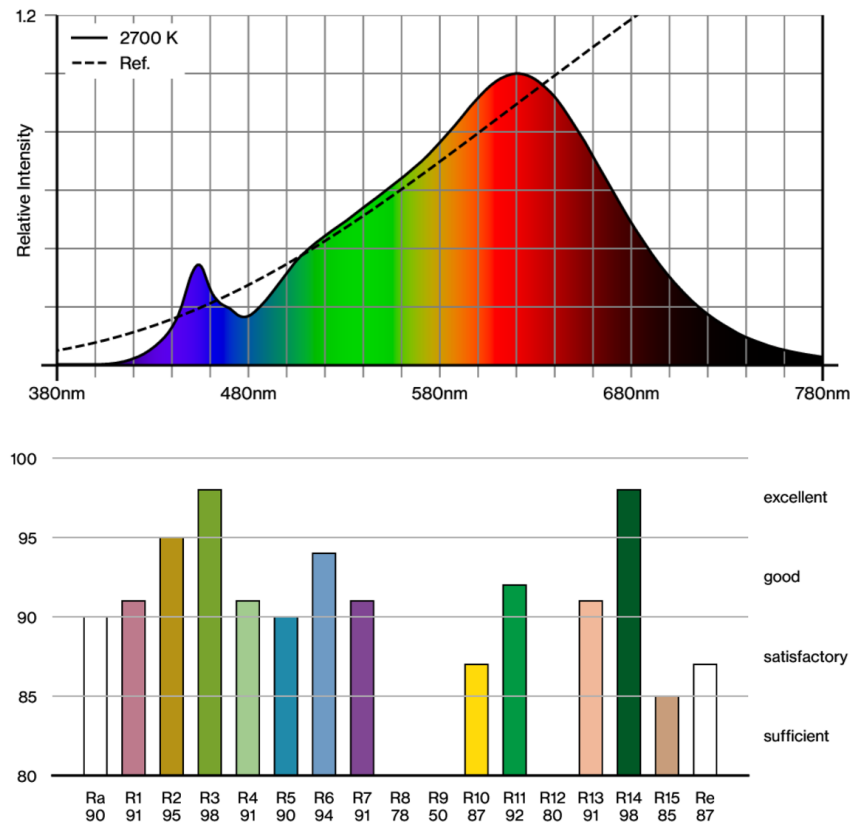


Project / Type

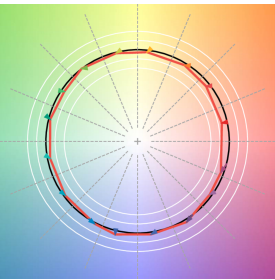
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## Colour rendering



## TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.