

# TARO 45 downlight

MOVE IT 10 square

030-6710636M



Project / Type

Notes

Count / Date



## General

Ceiling / Wall | Track

brushed aluminium

IP20

1120 lm

## LED

4000 K

CRI  $\geq 90$

L80 / 50000 h

initial MacAdam  $\leq 2$  SDCM

R<sub>g</sub>: 98 | R<sub>f</sub>: 90 | R<sub>[-15]</sub>: 88

MR 0.8 | MDER 0.72

## Optical

medium | beam angle 24°

P<sub>stLM</sub>  $\leq 1.0$ <sup>1 2 3 4</sup> | SVM  $\leq 0.4$ <sup>1 2 3 4</sup>

## Electrical

DALI-2 | 1 DALI Addr.

PC3 | 48 V

fixture 10.9 W

fixture 103 lm/W<sup>5</sup>

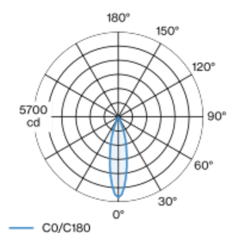
## Physical

diameter 45 mm | height 75 mm

0.09 kg

Cylindrical spotlight in aluminium; surface lacquered in brushed aluminium; light inset can be installed and moved without tools by means of clip mount; power supplied via MOVE IT system track profile; hot plug protection; passive cooling of the LEDs through improved heat sink geometry; light colour 4000 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; good glare control through recessed light point level; precise radiation characteristic with 24° beam; no multiple shadows; optical attachment available as accessory; accessories are listed separately; degree of protection IP20; PC3; 48 V; DALI-2 control; flicker-free visual comfort through analogue current control (minimum value 1%); light source replaceable by an authorized professional;

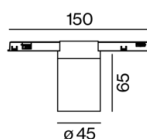
## Light distribution



medium 24°

h (m)	E0° (lx)	ø (m)
1	5390	0.43
2	1350	0.86
3	600	1.30
4	340	1.73
5	220	2.16

## Product drawing



## Installation instructions



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

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

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

<sup>5</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

# TARO 45 downlight

MOVE IT 10 square

030-6710636M



Project / Type

Notes

Count / Date

## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.957	0.921	0.886	0.852	0.82
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.

## 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



# TARO 45 downlight

MOVE IT 10 square  
030-6710636M

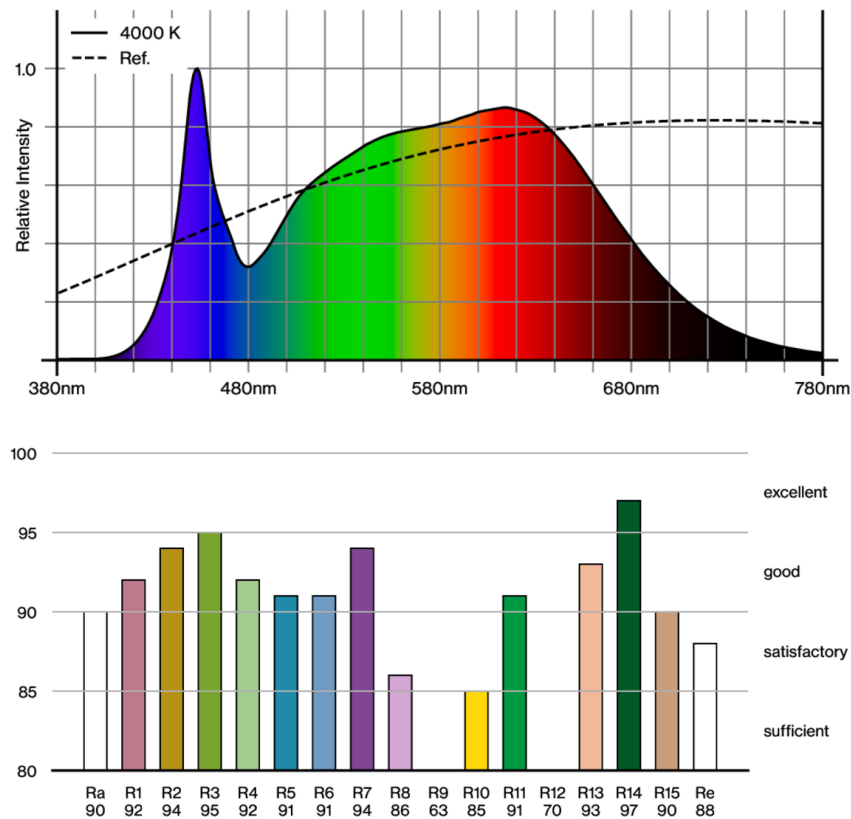


Project / Type

Notes

Count / Date

## 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.