

# JUST 45

CAVO

049-8302537M



Project / Type

Notes

Count / Date



### General

Ceiling , Recessed

tilt max 90°

rotation 360°

white , RAL 9016 <sup>1</sup>

IP20

603 lm

fixture 91 lm/W<sup>2</sup>

### LED

3000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 100 , R<sub>f</sub>: 90 , R<sub>f(1-15)</sub>: 87

MR 0.59

MDER 0.54

### Optical

medium

beam angle 23°

### Electrical

DALI-2

18 V

system 8.8 W

fixture 6.6 W

400 mA

PC3

### Physical

diameter 45 mm

height 68 mm

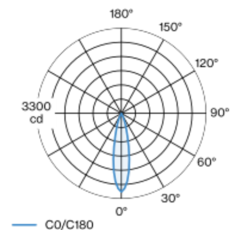
0.2 kg

<sup>1</sup> RAL code

<sup>2</sup> incl. consideration of optical losses & internal control unit losses

Cylindrical spotlight in aluminium; surface white powder coated; 360° rotatable and 90° tiltable; spotlight can be installed and moved without tools by means of magnetic holders; power supplied via CAVO recessed housing due to non-reversible plug and play connector; hot plug protection; 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. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; good glare control through recessed light point level; incl. high quality lens system; precise radiation characteristic with 23° beam; degree of protection IP20; PC3; 18 V; DALI-2 control; flicker-free visual comfort through analogue current control (minimum value 1%); optical attachment available as accessory; accessories are listed separately; light source not replaceable;

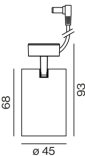
### Light distribution



medium 23°

h (m)	E0° (lx)	ø (m)
1	3040	0.40
2	760	0.81
3	340	1.21
4	190	1.62
5	120	2.02

### Product drawing



### Installation instructions



### Lighting calculator



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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.97	0.96	0.95	0.93	0.92
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

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
jet black	42	007-1965188

