

JUST 32 focus

CAVO

049-8211539



Project / Type

Notes

Count / Date



General

Ceiling , Recessed

tilt max 90°

rotation 360°

gold , RAL 260-M¹

IP20

202²-250³ lm

fixture 58²-72³ lm/W⁴

LED

3000 K

CRI ≥ 90

L95 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 100 , R_f: 90 , R_{f(1-5)}: 87

MR 0.59

MDER 0.54

Optical

focus

beam angle 17°²-43°³

Electrical

DALI-2

9 V

system 4.6 W

fixture 3.5 W

400 mA

PC3

Physical

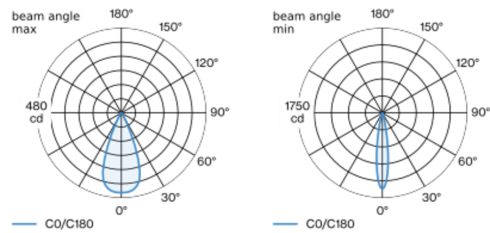
diameter 32 mm

height 73 mm

0.15 kg

Cylindrical spotlight in aluminium; surface gold 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. 95% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; good glare control through recessed light point level; incl. high quality plano-convex glass lens; precise object focusing through adjustable lens; adjustable beam angle of 17° - 43°; focusing by means of patented slider on the spotlight head; degree of protection IP20; PC3; 9 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



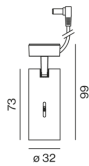
focus 43°

h (m)	E0° (lx)	ø (m)
1	450	0.80
2	112	1.59
3	50	2.39
4	28	3.18
5	18	3.98

focus 17°

h (m)	E0° (lx)	ø (m)
1	1560	0.30
2	390	0.59
3	170	0.89
4	100	1.19
5	60	1.49

Product drawing



¹ RAL code ² beam angle min ³ beam angle max
⁴ incl. consideration of optical losses & internal control unit losses

Installation instructions



Lighting calculator



[*049-8211539*] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.
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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.98	0.98	0.98	0.98	0.97
LSF	1	1	1	1	1

MF

MF

LMF^a

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF^a

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

Lamp Survival Factor

^a 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	30	007-1965178

