



Description

EN Cylindrical spotlight made of aluminium; surface white, black or gold / black powder coated; available in special colours; spotlight head 350° rotatable and 90° tiltable; either with surface mounted housing or as ceiling recessed variant; passive cooling of LEDs with optimised heat sink geometry; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering; binning initial ≤ 2 MacAdam; available in the light colours 2700 K, 3000 K and 4000 K; CRI ≥ 90 ; min. 80 % of the luminous flux after 50 000 hours; high-quality, aluminium, vapour deposition coated reflector with faceted design; precise radiation characteristic with three different beam angles; good glare reduction due to recessed light point plane; optical attachments available as accessories; degree of protection IP20; PC II (power supply) or PC III (spotlights); optionally non-dimmable or DALI-2 control; flicker-free visual comfort through analogue current control (minimum value 1%)

DE Zylindrischer Strahler aus Aluminium; Oberfläche weiß, schwarz oder gold / schwarz pulverbeschichtet; wahlweise in Spezialfarben; Strahlerkopf 350° dreh- und 90° schwenkbar; wahlweise mit Anbaugehäuse oder als Deckeneinbauvariante; passive Kühlung der LEDs durch optimierte Kühlkörpergeometrie; mit COB (Chip on Board) Technologie für höchste Effizienz; keine Bildung von Mehrfachschatten; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 2 MacAdam; lieferbar in den Lichtfarben 2700 K, 3000 K und 4000 K; CRI ≥ 90 ; min. 80 % des Lichtstromes nach 50 000 h Lebensdauer; hochwertiger, aluminiumbedampfter Reflektor mit Facetenoptik; präzise Abstrahlcharakteristik mit drei verschiedenen Ausstrahlwinkeln; gute Entblendung durch zurückversetzte Lichtpunktebene; optische Aufsätze sind als Zubehör erhältlich; Schutzart IP20; SK II (Netzversorgung) bzw. SK III (Strahler); wahlweise nicht dimmbar oder DALI-2 Steuerung; flimmerfreier Sehkomfort durch analoge Stromstärkenregelung (Minimalwert 1%)

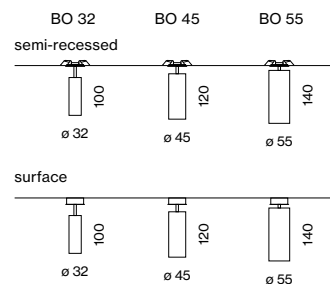
BO 32/45/55

semi-recessed / surface

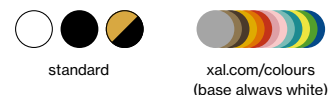
Quickinfo

2700 K, 3000 K, 4000 K
CRI ≥ 90 2-SDCM
L80 @ 50 000 h
BO 32 up to 804 lm
BO 45 up to 1390 lm
BO 55 up to 1940 lm
non DIM, DALI-2

Types



Colours



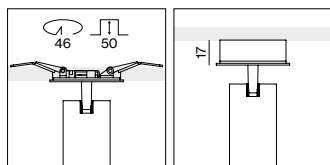
Light distributions



Order options

MOUNTING

ceiling recessed clip	1
surface housing	2



COLOUR TEMPERATURE

2700 K	4
3000 K	5
4000 K	6

MATERIAL COLOUR

white	7
black	8
black/gold	3
special colours* xal.com/colours	X

*canopy always in white



BEAM ANGLE BO 32 / 45 / 55

spot 18° / 14° / 17°	S
medium 23° / 24° / 23°	M
flood 37° / 39° / 37°	F

Options on request

COLOUR RENDERING INDEX

CRI ≥ 95 2-SDCM

LIGHT DISTRIBUTION 4000 K, CRI ≥ 90

BO 32 medium 23° BO 32 flood 37°

h (m)	EO° (lx)	ø (m)	h (m)	EO° (lx)	ø (m)
1	4660	0.41	1	2210	0.67
2	1170	0.82	2	553	1.34
3	518	1.22	3	246	2.01
4	292	1.63	4	138	2.68
5	187	2.04	5	88	3.35

BO 45 medium 24° BO 45 flood 39°

h (m)	EO° (lx)	ø (m)	h (m)	EO° (lx)	ø (m)
1	7460	0.43	1	3550	0.70
2	1870	0.86	2	887	1.40
3	829	1.30	3	394	2.10
4	466	1.73	4	222	2.80
5	298	2.16	5	142	3.50

BO 55 medium 23° BO 55 flood 37°

h (m)	EO° (lx)	ø (m)	h (m)	EO° (lx)	ø (m)
1	10500	0.41	1	5450	0.67
2	2620	0.82	2	1360	1.34
3	1160	1.23	3	605	2.00
4	654	1.64	4	340	2.67
5	419	2.05	5	218	3.34

BO 32 semi-recessed / surface



ADJUSTABLE

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
12 W 250 mA	2700 K	719 lm	0 4 9 - 6 2 0 1
	3000 K	759 lm	
	4000 K	804 lm	

luminous flux CRI ≥ 90, medium 23°

BO 45 semi-recessed / surface



ADJUSTABLE

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
15 W 350 mA	2700 K	974 lm	0 4 9 - 6 3 0 1
spot	3000 K	1030 lm	
	4000 K	1090 lm	

luminous flux CRI ≥ 90, spot 14°

16 W 400 mA	2700 K	1260 lm	0 4 9 - 6 3 0 1
medium, flood	3000 K	1320 lm	
	4000 K	1390 lm	

luminous flux CRI ≥ 90, flood 39°

BO 55 semi-recessed / surface



ADJUSTABLE

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
25 W 600 mA	2700 K	1770 lm	0 4 9 - 6 4 0 1
	3000 K	1840 lm	
	4000 K	1940 lm	

luminous flux CRI ≥ 90, flood 37°

Electrical accessories

CONVERTER supply 220–240 V AC, 50-60 Hz, PC II

TYPE	LUMINAIRE	L-W-H (mm)	ORDER CODE
12 W 250 mA non DIM	BO 32	147-44-22	0 4 9 - 4 9 1 0 0 1 0
12 W 250 mA DALI-2	BO 32	147-44-22	0 4 9 - 4 9 1 0 0 3 0
15 W 350 mA non DIM	BO 45 spot	147-44-22	0 4 9 - 4 9 1 3 0 1 0
15 W 350 mA DALI-2	BO 45 spot	147-44-22	0 4 9 - 4 9 1 3 0 3 0
16 W 400 mA non DIM	BO 45	147-44-22	0 4 9 - 4 9 1 1 0 1 0
16 W 400 mA DALI-2	BO 45	147-44-22	0 4 9 - 4 9 1 1 0 3 0
25 W 600 mA non DIM	BO 55	147-44-22	0 4 9 - 4 9 1 2 0 1 0
25 W 600 mA DALI-2	BO 55	147-44-22	0 4 9 - 4 9 1 2 0 3 0

connection cable with plug 1000 mm included

EXTENSION CABLE plug + socket

TYPE	L (mm)	ORDER CODE
extension cable	1000	0 4 9 - 4 9 5 1 1 0 0
extension cable	2000	0 4 9 - 4 9 5 1 2 0 0
extension cable	3000	0 4 9 - 4 9 5 1 3 0 0

max. extension cable length see mounting instructions

Optical accessories

HONEYCOMB LOUVER

TYPE	Ø-H (mm)	ORDER CODE
BO 32	30-3	0 0 7 - 1 9 6 5 1 6 8
BO 45	42-3	0 0 7 - 1 9 6 5 1 8 8
BO 55	50-3	0 0 7 - 1 9 6 5 6 9 8