

## Description

**EN** Cylindrical spotlight made of aluminium; surface white, black or gold / black powder coated; available in special colours; spotlight head 350° / 330° (1 lamp / 2 lamps) rotatable and 90° tiltable; choice of single lamp or double lamps; surface mounted housing in aluminium incl. converter; mounting plate with pre-assembled converter unit can be pre-mounted; luminaire housing can be attached without tools by interlock; 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  $\leq 2$  MacAdam; available in the light colours 2700K, 3000K and 4000K; CRI  $\geq 90$ ; 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 I; 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° / 330° (1-flammig / 2-flammig) dreh- und 90° schwenkbar; wahlweise einflammig oder zweiflammig; Anbauehäuse aus Aluminium inkl. Converter; Montageplatte mit vormontierter Konvertereinheit vorab montierbar; Leuchtenkörper mittels Verriegelung werkzeuglos aufsetzbar; 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  $\leq 2$  MacAdam; lieferbar in den Lichtfarben 2700K, 3000K und 4000K; CRI  $\geq 90$ ; min. 80% des Lichtstromes nach 50 000h Lebensdauer; hochwertiger, aluminiumbedampfter Reflektor mit Facettenoptik; präzise Abstrahlcharakteristik mit drei verschiedenen Ausstrahlwinkeln; gute Entblendung durch zurückversetzte Lichtpunktebene; optische Aufsätze sind als Zubehör erhältlich; Schutzart IP20; SK I; wahlweise nicht dimmbar oder DALI-2 Steuerung; flimmerfreier Sehkomfort durch analoge Stromstärkenregelung (Minimalwert 1%)

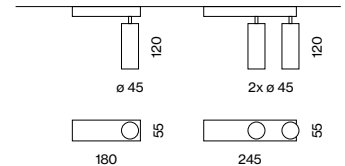
## BO 45 base

surface

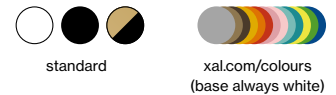
## Quickinfo

2700 K, 3000 K, 4000 K  
CRI  $\geq 90$  2-SDCM  
L80 @ 50 000 h  
up to 2 × 1315 lm  
non DIM, DALI-2

## Types



## Colours



## Light distributions



## Order options

<b>COLOUR TEMPERATURE</b>	☐☐
2700 K	4
3000 K	5
4000 K	6

<b>CONTROL</b>	◆
non DIM	1
DALI-2	3

<b>MATERIAL COLOUR</b>	☑
white	7
black	8
black/gold	3
special colours* <a href="http://xal.com/colours">xal.com/colours</a>	X

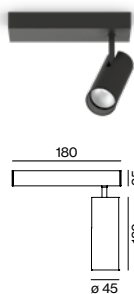
\*base always in white



<b>BEAM ANGLE</b>	▲
spot 14°	S
medium 24°	M
flood 39°	F

## Options on request

<b>COLOUR RENDERING INDEX</b>
CRI ≥ 95 2-SDCM



## BO 45 base surface



### 1 LAMP

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

luminous flux CRI ≥ 90, spot 14°

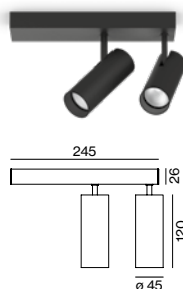
16W	2700 K	1250lm	0 4 9 - 6 3 3 0 ☐☐☐☐ ▲
medium, flood	3000 K	1310lm	
	4000 K	1370lm	

luminous flux CRI ≥ 90, medium 24°

### LIGHT DISTRIBUTION 4000 K, CRI ≥ 90

BO 45 spot 14° BO 45 medium 24° BO 45 flood 39°

h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	13900	0.24	1	7410	0.43	1	3500	0.70
2	3470	0.48	2	1850	0.86	2	874	1.40
3	1540	0.72	3	823	1.30	3	389	2.10
4	868	0.96	4	463	1.73	4	219	2.80
5	556	1.20	5	296	2.16	5	140	3.50



## BO 45 base surface



### 2 LAMPS

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
2 × 15W	2700 K	2 × 974lm	0 4 9 - 6 4 3 0 ☐☐☐☐ S
spot	3000 K	2 × 1030lm	
	4000 K	2 × 1090lm	

luminous flux CRI ≥ 90, spot 14°

2 × 14W	2700 K	2 × 1125lm	0 4 9 - 6 4 3 0 ☐☐☐☐ ▲
medium, flood	3000 K	2 × 1220lm	
	4000 K	2 × 1315lm	

luminous flux CRI ≥ 90, medium 24°

### LIGHT DISTRIBUTION 4000 K, CRI ≥ 90

BO 45 spot 14° BO 45 medium 24° BO 45 flood 39°

h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	27800	0.24	1	14200	0.43	1	6710	0.70
2	6950	0.48	2	3540	0.86	2	1680	1.40
3	3090	0.72	3	1570	1.30	3	746	2.10
4	1740	0.96	4	885	1.73	4	420	2.80
5	1110	1.20	5	567	2.16	5	268	3.50

## Optical accessories

### HONEYCOMB LOUVER

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