

# BO 55

## basic/wls

[xal.com/bo](http://xal.com/bo)



### Quickinfo

#### GENERAL

track light  
IP20

#### LED

COB LED module  
up to 84 lm/W  
2700K, 3000K, 4000K  
CRI ≥ 90  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80 / 50000 h

#### OPTICAL

direct illumination  
beam angle 6°, 14°, 23°, 33°

#### ELECTRICAL

non DIM

#### PHYSICAL

aluminium  
powder-coated  
adapter plastic

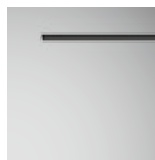
### Description

**DE** Stromschiensstrahler aus Aluminiumdruckguss; Oberfläche weiß oder schwarz pulverbeschichtet; Strahlerkopf 355° dreh- und 90° schwenkbar; optimiert für Einbau in einem CANYON 15 Kanal, Adapter deckenbündig; Konverter im Strahlerkopf integriert; mit COB (Chip on Board) Technologie für höchste Effizienz; keine Bildung von Mehrfachschatten; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 2700K, 3000K und 4000K; CRI ≥ 90; min. 80% des Lichtstromes nach 50000h Lebensdauer; hochwertiger Aluminiumreflektor mit sphärischer Facettenoptik; präzise Abstrahlcharakteristik mit vier verschiedenen Ausstrahlwinkeln; werkzeuglos einsetz- bzw. austauschbar; Schutzart IP20; SK I; 3 Phasen Adapter für werkzeugloses Einsetzen bzw. Verschieben in einer Eutrac Stromschiene

**EN** Track light made of die-cast aluminium; surface powder coated in white or black; spotlight head 355° rotatable and 90° tiltable; optimised for flush ceiling installation in a CANYON 15 channel adapter; converter integrated into spotlight head; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 2700K, 3000K and 4000K; CRI ≥ 90; min. 80% of the luminous flux after 50000 hours; high quality aluminium reflector with spherical facet finish; precise radiation characteristic with four different beam angles; installed and exchanged without tools; protection class IP20; PC I; 3 phase adapter for toolless installation or movement on Eutrac power track

**CANYON 15**  
track

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**BO 55 basic**  
surface /  
semi recessed

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### Features



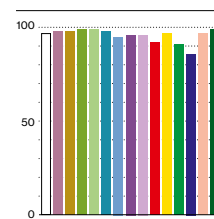
optimised adapter for  
CANYON 15



adaptor flush in  
standard 3-phase  
power tracks



glare-free due to  
recessed LED



CRI ≥ 90 (R9 > 90)

### Standard configuration

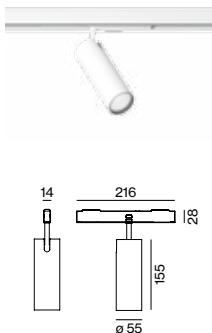
**COLOUR TEMPERATURE** ⋮  
3000K 5

**CONTROL**  
non DIM 1

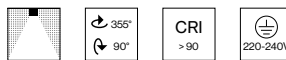
**MATERIAL COLOUR** ☑  
white 7  
black 8



**BEAM ANGLE** ▲  
flood 33° F



### BO 55 basic



| SYSTEM POWER | COLOUR TEMP. | LUMINOUS FLUX | ORDER CODE  |
|--------------|--------------|---------------|---|
| 20 W         | 2700K        | 1350lm        | 0 5 3 - 3 0 2 1 <span style="color: blue;">⋮</span> 1 <span style="color: blue;">▲</span> |
|              | 3000K        | 1560lm        |   |
|              | 4000K        | 1670lm        |   |

luminous flux flood 33°

#### LIGHT DISTRIBUTION for 3000K

| spot 14° |        |       | medium 23° |        |       | flood 33° |        |       |
|----------|--------|-------|------------|--------|-------|-----------|--------|-------|
| h (m)    | E (lx) | ø (m) | h (m)      | E (lx) | ø (m) | h (m)     | E (lx) | ø (m) |
| 1        | 12907  | ø0,25 | 1          | 6769   | ø0,40 | 1         | 3625   | ø0,68 |
| 2        | 3227   | ø0,51 | 2          | 1692   | ø0,81 | 2         | 906    | ø1,37 |
| 3        | 1434   | ø0,76 | 3          | 752    | ø1,21 | 3         | 403    | ø2,05 |
| 4        | 807    | ø1,01 | 4          | 423    | ø1,61 | 4         | 227    | ø2,74 |
| 5        | 516    | ø1,26 | 5          | 271    | ø2,02 | 5         | 145    | ø3,42 |

### Extended configuration

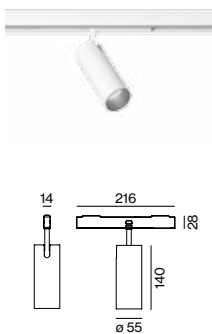
**COLOUR TEMPERATURE** ⋮  
2700K 4  
4000K 6

**MATERIAL COLOUR** ☑  
white/black adaptor housing P

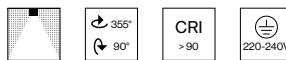


+5% surcharges

**BEAM ANGLE** ▲  
super spot 6°\* V  
spot 14° S  
medium 23° M  
\*only for BO 55 wls



### BO 55 wls



| SYSTEM POWER | COLOUR TEMP. | LUMINOUS FLUX | ORDER CODE  |
|--------------|--------------|---------------|---|
| 10 W         | 2700K        | 620lm         | 0 5 3 - 3 0 2 0 <span style="color: blue;">⋮</span> 1 <span style="color: blue;">▲</span> |
|              | 3000K        | 710lm         |   |
|              | 4000K        | 710lm         |   |

luminous flux spot 14°

#### LIGHT DISTRIBUTION for 3000K, BO 55 basic wls

| super spot 6° |        |       | spot 14° |        |       |
|---------------|--------|-------|----------|--------|-------|
| h (m)         | E (lx) | ø (m) | h (m)    | E (lx) | ø (m) |
| 1             | 22562  | ø0,11 | 1        | 6667   | ø0,25 |
| 2             | 5640   | ø0,21 | 2        | 1666   | ø0,50 |
| 3             | 2506   | ø0,32 | 3        | 740    | ø0,75 |
| 4             | 1410   | ø0,43 | 4        | 416    | ø1,01 |
| 5             | 902    | ø0,53 | 5        | 266    | ø1,26 |

| medium 23° |        |       | flood 33° |        |       |
|------------|--------|-------|-----------|--------|-------|
| h (m)      | E (lx) | ø (m) | h (m)     | E (lx) | ø (m) |
| 1          | 2905   | ø0,40 | 1         | 1801   | ø0,60 |
| 2          | 726    | ø0,80 | 2         | 450    | ø1,20 |
| 3          | 322    | ø1,21 | 3         | 200    | ø1,80 |
| 4          | 181    | ø1,61 | 4         | 112    | ø2,40 |
| 5          | 116    | ø2,01 | 5         | 72     | ø3,00 |

### Optical accessories

#### HONEYCOMB LOUVER

| TYPE             | ø-H (mm) | ORDER CODE            |
|------------------|----------|-----------------------|
| honeycomb louver | 50-3     | 0 0 7 - 1 9 6 5 1 9 8 |

## Inspiration

Autosalon  
Paris, France

**ARCHITECT**  
Schmidhuber Brand Experience GmbH  
Munich, Germany

**PRODUCT**  
CANYON 15 recessed  
BO 55 basic





# BO 70

## basic / focus

[xal.com/bo](http://xal.com/bo)



### Quickinfo

#### GENERAL

track light  
IP 20

#### LED

COB LED module  
up to 88 lm/W  
3000 K, 4000 K  
CRI ≥ 90  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80 / 50000 h

#### OPTICAL

direct illumination  
beam angle 18°, 24°, 36°, 58°  
beam angle (focus) 17–47°

#### ELECTRICAL

non DIM, DIM DALI

#### PHYSICAL

aluminium  
powder-coated  
polycarbonate driver housing

### Description

**DE** Stromschienenstrahler aus Aluminiumdruckguss; Oberfläche weiß oder schwarz pulverbeschichtet; Strahlerkopf 355° dreh- und 180° schwenkbar; optimiert für Einbau in einem CANYON 50 Kanal, Adapter verschwindet im Kanal; Konverter im Kunststoffadapter integriert; mit COB (Chip on Board) Technologie für höchste Effizienz; keine Bildung von Mehrfachschatten; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 90; min. 80% des Lichtstromes nach 50000 h Lebensdauer; BO 70 basic: hochwertiger Aluminiumreflektor mit sphärischer Facettenoptik; hochglänzend eloxiert; präzise Abstrahlcharakteristik mit vier verschiedenen Ausstrahlwinkeln; werkzeuglos einsetz- bzw. austauschbar; BO 70 focus: inkl. hochwertiger plan-konvexer Glaslinse; exakte Objekt-Fokussierung durch justierbare Linse; Ausstrahlwinkel von 17-47° einstellbar; Fokussierung mittels gummiertem Verstellring am Strahlerkopf; Schutzart IP 20; SK I; Adapter für werkzeugloses Einsetzen bzw. Verschieben in verschiedenen 3 Phasen Stromschielen; optional DALI-dimmbar

**EN** Track light made of die-cast aluminium; surface powder coated in white or black; spot-light head 355° rotatable and 180° tiltable; optimised for installation in CANYON 50 channel, adapter disappears into channel; Integrated converter in the plastic adapter; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 90; min. 80% of the luminous flux after 50000 hours; BO 70 basic: high quality aluminium reflector with spherical facet finish; high-gloss anodised; precise radiation characteristic with four different beam angles; installed and exchanged without tools; BO 70 focus: incl. high quality plano-convex glass lens; precise object focusing through adjustable lens; adjustable beam angle of 17-47°; focusing by means of rubberised adjusting ring on the spotlight head; protection class IP 20; PC I; adapter for toolless insertion or movement on a variety of 3-phase power tracks; optional DALI dimmable

**CANYON 50**  
offset

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**CANYON 50**  
surface / susp.

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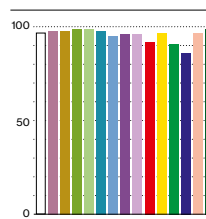
### Features



optimised adaptor for  
CANYON 50



adjustable beam angle  
17–47° (BO 70 focus)



CRI ≥ 90 (R9 > 90)

### Standard configuration

**COLOUR TEMPERATURE** ⋮  
3000K  5

**CONTROL** ⬆  
non DIM  1

**MATERIAL COLOUR** ▣  
white  7  
black  8



**BEAM ANGLE** ▲  
flood 36°  F

### Extended configuration

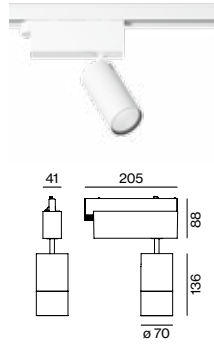
**COLOUR TEMPERATURE** ⋮  
4000K  6

**CONTROL** ⬆  
DIM DALI  3

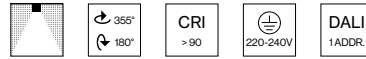
**MATERIAL COLOUR** ▣  
white/black adaptor housing  P

P  
+5% surcharges

**BEAM ANGLE** ▲  
spot 18°  S  
medium 24°  M  
wide flood 58°  W



### BO 70 basic



|                     |                     |                      |   |
|---------------------|---------------------|----------------------|---|
| <b>SYSTEM POWER</b> | <b>COLOUR TEMP.</b> | <b>LUMINOUS FLUX</b> | <b>ORDER CODE</b>   |
| 26 W                | 3000 K<br>4000 K    | 2180 lm<br>2330 lm   | 0 5 3 - 3 2 4 1 <span style="color: blue;">⋮</span> <span style="color: blue;">⬆</span> <span style="color: blue;">▲</span> |

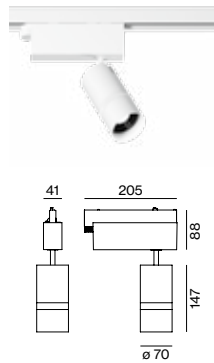
luminous flux spot 18°

#### LIGHT DISTRIBUTION for 26 W, 3000 K

| spot 18° |        |       | medium 24° |        |       | flood 36° |        |       |
|----------|--------|-------|------------|--------|-------|-----------|--------|-------|
| h (m)    | E (lx) | ø (m) | h (m)      | E (lx) | ø (m) | h (m)     | E (lx) | ø (m) |
| 1        | 13907  | ø0,31 | 1          | 9006   | ø0,42 | 1         | 5279   | ø0,65 |
| 2        | 3476   | ø0,62 | 2          | 2251   | ø0,84 | 2         | 1319   | ø1,31 |
| 3        | 1545   | ø0,93 | 3          | 1000   | ø1,27 | 3         | 586    | ø1,96 |
| 4        | 869    | ø1,24 | 4          | 562    | ø1,69 | 4         | 329    | ø2,61 |
| 5        | 556    | ø1,55 | 5          | 360    | ø2,11 | 5         | 211    | ø3,27 |

wide flood 58°

| h (m) | E (lx) | ø (m) |
|-------|--------|-------|
| 1     | 2223   | ø1,12 |
| 2     | 555    | ø2,24 |
| 3     | 247    | ø3,35 |
| 4     | 138    | ø4,47 |
| 5     | 88     | ø5,59 |



### BO 70 focus



|                     |                     |                      |   |
|---------------------|---------------------|----------------------|---|
| <b>SYSTEM POWER</b> | <b>COLOUR TEMP.</b> | <b>LUMINOUS FLUX</b> | <b>ORDER CODE</b>   |
| 23 W                | 3000 K<br>4000 K    | 1260 lm<br>1360 lm   | 0 5 3 - 3 4 4 1 <span style="color: blue;">⋮</span> <span style="color: blue;">⬆</span> <span style="color: blue;">▲</span> |

#### LIGHT DISTRIBUTION for 3000 K

| min. angle 17° |        |       | max. angle 47° |        |       |
|----------------|--------|-------|----------------|--------|-------|
| h (m)          | E (lx) | ø (m) | h (m)          | E (lx) | ø (m) |
| 1              | 5316   | ø0,30 | 1              | 2187   | ø0,87 |
| 2              | 1329   | ø0,60 | 2              | 546    | ø1,74 |
| 3              | 590    | ø0,89 | 3              | 243    | ø2,60 |
| 4              | 332    | ø1,19 | 4              | 136    | ø3,47 |
| 5              | 212    | ø1,49 | 5              | 87     | ø4,34 |

## Inspiration

Taschen Store  
Berlin, Germany

### ARCHITECT

SPIESS Interior Design  
Dresden, Germany

### LIGHTING DESIGN

Salvatore Licitra  
Alberto Stampanoni  
Milan, Italy

### PRODUCT

TRACK 3-phase recessed  
BO 70 basic







# BO 70

## shutter / iris / gobo

[xal.com/bo](http://xal.com/bo)



### Quickinfo

#### GENERAL

track light  
IP 20

#### LED

COB LED module  
up to 1512 cd  
3000 K, 4000 K  
CRI ≥ 90  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80 / 50000 h

#### OPTICAL

direct illumination  
form illumination

#### ELECTRICAL

non DIM, DIM DALI

#### PHYSICAL

aluminium  
powder-coated  
polycarbonate driver housing

### Description

**DE** Stromschiennenstrahler aus Aluminiumdruckguss; Oberfläche weiß oder schwarz pulverbeschichtet; Strahlerkopf 355° dreh- und 180° schwenkbar; optimiert für Einbau in einem CANYON 50 Kanal, Adapter verschwindet im Kanal; Konverter im Kunststoffadapter integriert; mit COB (Chip on Board) Technologie für höchste Effizienz; keine Bildung von Mehrfachschatten; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 90; min. 80% des Lichtstromes nach 50000 h Lebensdauer; Konturstrahler für exakte rechteckige oder runde Formgebung; einfache Einstellung durch 4 Abschattenelemente oder durch irisförmige Abschatter aus Edelstahl; inkl. hochwertiger bikonvexer Glaslinse; scharfe Objekt-Fokussierung durch justierbare Linse; Fokussierung mittels gummiertem Verstellring am Strahlerkopf; Schutzart IP 20; SK I; Adapter für werkzeugloses Einsetzen bzw. Verschieben in verschiedenen 3 Phasen Stromschiennen; optional DALI-dimmbar

**EN** Track light made of die-cast aluminium; surface powder coated in white or black; spotlight head 355° rotatable and 180° tiltable; optimised for installation in CANYON 50 channel, adapter disappears into channel; Integrated converter in the plastic adapter; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 90; min. 80% of the luminous flux after 50000 hours; contour spotlight for precise rectangular or round shape; easy adjustment by 4 shading elements or by iris-shaped shade made of stainless steel; incl. high quality bi-convex glass lens; sharp object focusing through adjustable lens; focus using rubber adjustment ring on spotlight head; protection class IP 20; PC I; adapter for toolless insertion or movement on a variety of 3-phase power tracks; optional DALI dimmable

**CANYON 50**  
offset

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**CANYON 50**  
surface / susp.

[page 740](#)



### Features



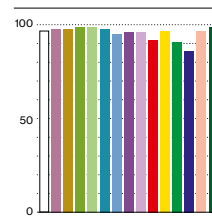
optimised adaptor for  
CANYON 50



shutter element  
(BO 70 shutter)



adjustable lens



CRI ≥ 90 (R9 > 90)

### Standard configuration

COLOUR TEMPERATURE ◆◆  
3000K 5

CONTROL ◆◆  
non DIM 1

MATERIAL COLOUR ■  
white 7  
black 8



### Extended configuration

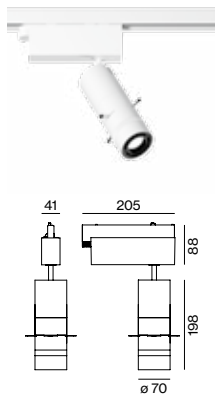
COLOUR TEMPERATURE ◆◆  
4000K 6

CONTROL ◆◆  
DIM DALI 3

MATERIAL COLOUR ■  
white/black adaptor housing P



+5% surcharges



### BO 70 shutter



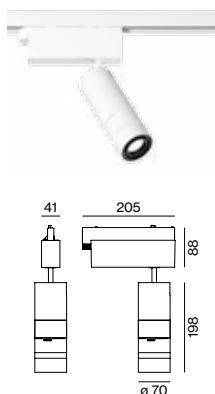
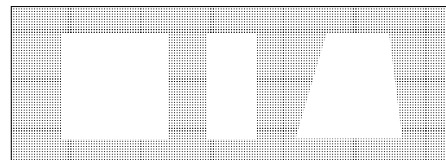
| SYSTEM POWER | COLOUR TEMP. | LUM. INTENSITY | ORDER CODE   |
|--------------|--------------|----------------|--|
| 23 W         | 3000 K       | 1375 cd        | 0 5 3 - 3 7 4 1 <span style="color: blue;">◆◆</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> |
|              | 4000 K       | 1476 cd        |  |

illuminance (lm) = luminous intensity (cd) / distance (m)<sup>2</sup>

#### LIGHT DISTRIBUTION 3000 K

adjustable possible forms of illumination

| h (m) | E (lx) | ø (m)  |
|-------|--------|--------|
| 1     | 1196   | ø 0,56 |
| 2     | 299    | ø 1,12 |
| 3     | 132    | ø 1,68 |
| 4     | 74     | ø 2,24 |
| 5     | 47     | ø 2,79 |



### BO 70 iris



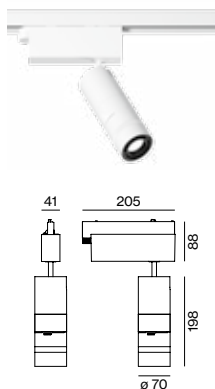
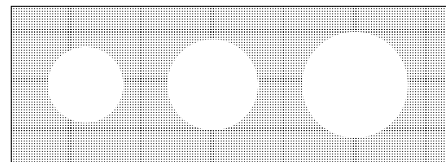
| SYSTEM POWER | COLOUR TEMP. | LUM. INTENSITY | ORDER CODE   |
|--------------|--------------|----------------|--|
| 23 W         | 3000 K       | 1409 cd        | 0 5 3 - 3 8 4 1 <span style="color: blue;">◆◆</span> <span style="color: blue;">■</span> <span style="color: blue;">■</span> |
|              | 4000 K       | 1512 cd        |  |

illuminance (lm) = luminous intensity (cd) / distance (m)<sup>2</sup>

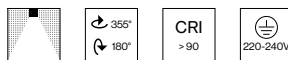
#### LIGHT DISTRIBUTION for 3000 K

adjustable possible forms of illumination

| h (m) | E (lx) | ø (m)  |
|-------|--------|--------|
| 1     | 1363   | ø 0,57 |
| 2     | 340    | ø 1,13 |
| 3     | 151    | ø 1,70 |
| 4     | 85     | ø 2,26 |
| 5     | 54     | ø 2,83 |



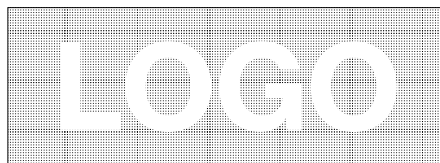
### BO 70 gobo



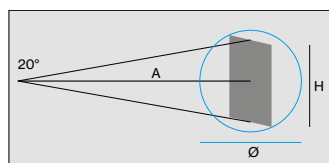
| SYSTEM POWER | COLOUR TEMP. | LUM. INTENSITY | ORDER CODE |
|--------------|--------------|----------------|------------|
| 14 W         | 3000 K       | -              | on request |
|              | 4000 K       | -              |            |

#### LIGHT DISTRIBUTION

possible forms of illumination



### Illumination size



| A (mm) | H (mm) | ø (mm) |
|--------|--------|--------|
| 1000   | 396    | 560    |
| 2000   | 792    | 1120   |
| 3000   | 1188   | 1680   |

## Inspiration

**BANG & OLUFSEN**  
Herning, Denmark

**PRODUCT**  
CANYON 50 offset  
BO 70 shutter track

**ARCHITECT**  
Johannes Torpe Studio  
Copenhagen, Denmark

**LIGHTING DESIGN**  
SENSA by Thomas Skovby  
Frederiksberg, Denmark



