



## Description

**EN** Luminaire housing from extruded aluminium profile, angular or round design; extremely slim design (only 42 x 42 mm or Ø 61 mm); no visible screws; surface powder coated in white, grey or black; available in special colours; suspended luminaire with 1500 mm cable suspension; with integrated tool-less suspension height adjustment; spring clip attachment to the luminaire; freely positionable; incl. transparent feed; extruded profile for improved thermal management; high-quality, chromed reflector with faceted design; workplace luminaire suitable for VDUs according to DIN EN 12464-1 (UGR ≤ 16); direct / indirect light distribution; indirect light component with integrated PC boards and high-quality lens system for maximum, homogeneous ceiling illumination, optionally separately controllable; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K, 4000 K and tunable white (2700-6500 K); CRI ≥ 80; min. 90% of the luminous flux after 50 000 hours; degree of protection IP 20; PC I; optionally non-dimmable, DALI-2 control or dimmable with integrated infrared presence and brightness sensor (DALI)

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil, kantige oder runde Ausführung; extrem schlanke Bauform (nur 42 x 42 mm bzw. Ø 61 mm); keine sichtbaren Schrauben; Oberfläche weiß, grau oder schwarz pulverbeschichtet; wahlweise in Spezialfarben; Pendelleuchte mit 1500 mm Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; Befestigung an der Leuchte mittels Federclip; frei positionierbar; inkl. transparenter Einspeiseleitung; Strangpressprofil für verbessertes Thermomanagement; hochwertiger, verchromter Reflektor mit Facettenoptik; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR ≤ 16); direkt / indirekte Abstrahlcharakteristik; Indirektlichtanteil mit eigenen Platinen und hochwertiger Linsenoptik für maximale, homogene Deckenaufhellung, wahlweise separat steuerbar; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K, 4000 K und Tunable White (2700-6500 K); CRI ≥ 80; min. 90% des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP 20; SKI; wahlweise nicht dimmbar, DALI-2 Steuerung oder dimmbar mit integriertem Infrarot Anwesenheits- und Helligkeitssensor (DALI)

## BETO

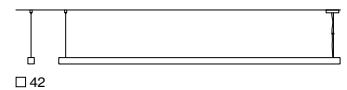
suspended

## Quickinfo

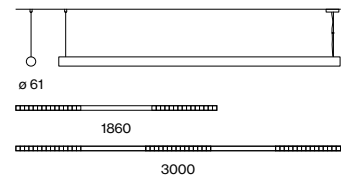
3000 K, 4000 K, TW  
 CRI ≥ 80  
 L90 @ 50 000 h  
 UGR ≤ 16 / 65° ≤ 1500 cd/m<sup>2</sup>  
 L 1860 up to ↓ 3540 / ↑ 3790 lm  
 L 3000 up to ↓ 5310 / ↑ 7580 lm  
 non DIM, DALI-2, DALI sensor  
 reflector (UGR ≤ 16)

## Types

BETO suspended



BETO tube suspended



## Colours



## Light distribution



### Order options

#### COLOUR TEMPERATURE

3000K	5
4000K	6
tunable white 2700–6500K	D

#### CONTROL

non DIM*	1
DALI-2	3
DALI-2 separately controllable**	4
DALI sensor	7

\*not for tunable white

\*\*not for tunable white 1857 mm

#### MATERIAL COLOUR

white	7
grey	G
black	8
special colours* <a href="http://xal.com/colours">xal.com/colours</a>	X

\*canopy always in white



#### LIGHT OPTIC COVER

reflector (UGR ≤ 16)

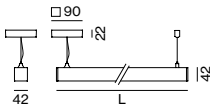
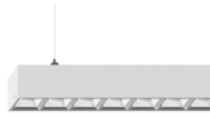
### Options on request

#### COLOUR RENDERING INDEX

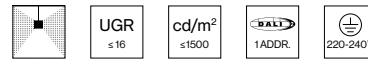
CRI ≥ 90
CRI ≥ 98 XPECTRUM

#### TUNABLE WHITE

direct light static 3000K  
or 4000K and indirect light  
tunable 2700–6500K

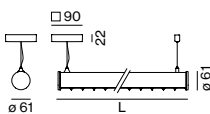


### BETO suspended

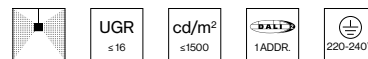


#### DIRECT / INDIRECT POWER

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
55W	3000K	↓ 3350 / ↑ 3580lm	1857	07 4 - 6 2 4 6 :: :: R
	4000K	↓ 3540 / ↑ 3790lm		
91W	3000K	↓ 5020 / ↑ 7160lm	3000	07 4 - 6 2 4 9 :: :: R
	4000K	↓ 5310 / ↑ 7580lm		



### BETO tube suspended

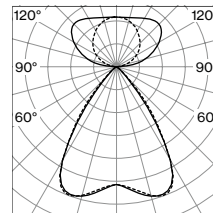


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SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
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	4000K	↓ 3540 / ↑ 3790lm		
91W	3000K	↓ 5020 / ↑ 7160lm	3000	07 4 - 5 2 4 9 :: :: R
	4000K	↓ 5310 / ↑ 7580lm		

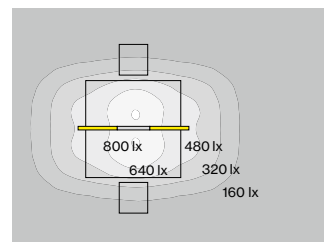
### LIGHT DISTRIBUTION

reflector (UGR ≤ 16)



direct / indirect power

### Technical data



**BETO** suspended, 55W, 4000K  
direct/indirect power

#### ROOM VALUES

Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Mounting height	2.25 m

#### CALCULATION SURFACE

Surface dimensions	1.6 × 0.8
Surface height	0.75
Average illuminance (E <sub>av</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6

#### GLARE EVALUATION

Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19
65° < 1500 cd/m²	