

## BETO

suspended

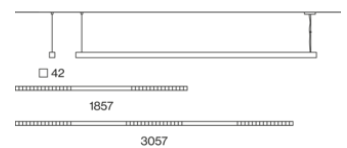
<sup>EN</sup> Luminaire housing from extruded aluminium profile, angular design; extremely slim design (only 42 x 42 mm); no visible screws; surface powder coated; pendant fitting with cable suspension; with integrated toolless suspension height adjustment; spring clip attachment to the luminaire; freely positionable; incl. feeder cable; extruded profile for improved thermal management; high gloss reflector with faceted design; 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

<sup>DE</sup> Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; extrem schlanke Bauform (nur 42 x 42 mm); keine sichtbaren Schrauben; Oberfläche pulverbeschichtet; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; Befestigung an der Leuchte mittels Federclips; frei positionierbar; inkl. Einspeisleitung; Strangpressprofil für verbessertes Thermomanagement; hochglänzender Reflektor mit Facettenoptik; direkt / indirekte Abstrahlcharakteristik; Indirektlichtanteil mit eigenen Platinen und hochwertiger Linsenoptik für maximale, homogene Deckenaufhellung, wahlweise separat steuerbar; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000 K, 4000 K, tunable white  
2700 K - 6500 K  
CRI  $\geq$  80, CRI  $\geq$  90 / 3 SDCM  
UGR  $\leq$  10, UGR  $\leq$  13, UGR  $\leq$  16  
up to ↓ 5,530 lm / ↑ 7,850 lm  
up to 7,450 lm/m  
up to 156 lm/W  
L90 / 50000 h  
DALI-2, DALI-2 / DALI-2  
ESSENTIAL sensor, DALI-2 D/I  
separately controllable  
Reflector  
IP20

### Types



### Colour



### Reflector



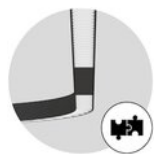
### Light distributions



DiiA® standards  
251, 252, 253



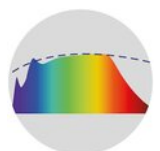
DIN EN 12464-1  
UGR  $\leq$  19



system solution



glare-free  
direct and 170°  
indirect  
illumination



CRI  $\geq$  98  
XPECTRUM  
(optional)

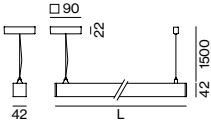


## BETO suspended



### DIRECT / INDIRECT POWER

| SYSTEM | LENGTH  | COLOUR TEMP. | CRI ≥ | LUM. FLUX      | SYSTEM   | ORDER CODE        |
|--------|---------|--------------|-------|----------------|----------|-------------------|
| 49.0 W | 1857 mm | 3000 K       | 80    | ↓3240/↑3450 lm | 137 lm/W | 0 7 4 - 6 2 4 6 5 |
|        |         |              | 90    | ↓2800/↑2970 lm | 118 lm/W | 0 7 4 - 6 2 4 6 0 |
|        |         | 4000 K       | 80    | ↓3690/↑3930 lm | 156 lm/W | 0 7 4 - 6 2 4 6 6 |
|        |         |              | 90    | ↓3020/↑3210 lm | 127 lm/W | 0 7 4 - 6 2 4 6 1 |
| 53.0 W | 1857 mm | tunable w.   | 90    | ↓3320/↑2890 lm | 117 lm/W | 0 7 4 - 6 2 4 6 D |
| 86.0 W | 3057 mm | 3000 K       | 80    | ↓4860/↑6900 lm | 137 lm/W | 0 7 4 - 6 2 4 9 5 |
|        |         |              | 90    | ↓4200/↑5940 lm | 118 lm/W | 0 7 4 - 6 2 4 9 0 |
|        |         | 4000 K       | 80    | ↓5530/↑7850 lm | 156 lm/W | 0 7 4 - 6 2 4 9 6 |
|        |         |              | 90    | ↓4530/↑6410 lm | 127 lm/W | 0 7 4 - 6 2 4 9 1 |
| 92.0 W | 3057 mm | tunable w.   | 90    | ↓4980/↑5770 lm | 117 lm/W | 0 7 4 - 6 2 4 9 D |



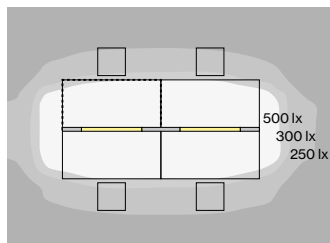
### DIRECT / INDIRECT 2700-6500K POWER CRI ≥ 90, DALI-2 D/I separately controllable

| SYSTEM | LENGTH  | COLOUR TEMP. | LUM. FLUX      | SYSTEM   | ORDER CODE          |
|--------|---------|--------------|----------------|----------|---------------------|
| 53.0 W | 1857 mm | 3000 K       | ↓2970/↑3050 lm | 114 lm/W | 0 7 4 - 6 2 D 6 0 4 |
|        |         | 4000 K       | ↓3200/↑3050 lm | 118 lm/W | 0 7 4 - 6 2 D 6 1 4 |
| 93.0 W | 3057 mm | 3000 K       | ↓4450/↑6110 lm | 114 lm/W | 0 7 4 - 6 2 D 9 0 4 |
|        |         | 4000 K       | ↓4810/↑6110 lm | 117 lm/W | 0 7 4 - 6 2 D 9 1 4 |

### INDIRECT POWER

| SYSTEM | LENGTH  | COLOUR TEMP. | CRI ≥ | LUM. FLUX | SYSTEM   | ORDER CODE        |
|--------|---------|--------------|-------|-----------|----------|-------------------|
| 56.0 W | 3457 mm | 3000 K       | 80    | 7330 lm   | 131 lm/W | 0 7 4 - 6 2 N 9 5 |
|        |         |              | 90    | 6320 lm   | 113 lm/W | 0 7 4 - 6 2 N 9 0 |
|        |         | 4000 K       | 80    | 8350 lm   | 149 lm/W | 0 7 4 - 6 2 N 9 6 |
|        |         |              | 90    | 6830 lm   | 122 lm/W | 0 7 4 - 6 2 N 9 1 |
| 63.0 W | 3457 mm | tunable w.   | 90    | 6870 lm   | 109 lm/W | 0 7 4 - 6 2 N 9 D |

## Planning Information



**BETO** suspended, 86 W, 4000 K  
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>m</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                           |      |



### Order options

| CONTROL                            |   | CONTROL                          |   | COLOUR              |   | REFLECTOR   |   |
|------------------------------------|---|----------------------------------|---|---------------------|---|-------------|---|
| DALI-2                             | 3 | DALI-2                           | 3 | pure white RAL 9010 | 7 | dark chrome | B |
| DALI-2 D/I separately controllable | 4 | DALI-2 / DALI-2 ESSENTIAL sensor | 7 | jet black RAL 9005  | 8 | chrome      | R |
| DALI-2 / DALI-2 ESSENTIAL sensor   | 7 |                                  |   |                     |   |             |   |

# F+P Architekten, Vienna

Austria

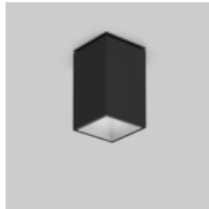
**Architect**  
F+P Architekten

**Lighting Design**  
Ing. Gerald Pummer,  
Illuminazione

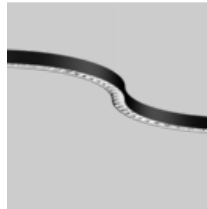
**Photographer**  
Kurt Kuball



## Used products



**SASSO 100 square  
ceiling**



**BETO ceiling /  
suspended system**





# Granitlab Coworking

Austria

## Architect

GHT-Plan GmbH

## Lighting Design

GHT-Plan GmbH, AREA

C.I. Design GmbH

## Photographer

Kurt Kuball



## Used products



**UNICO Q1 / Q4 basic ceiling**



**BETO suspended**



**INO square suspended**

