

## BETO

suspended

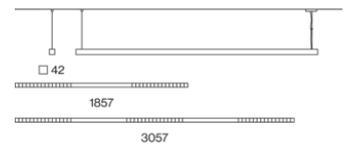
**EN** Luminaire housing from extruded aluminium profile, angular design; extremely slim design (only 42 x 42mm); no visible screws; surface powder coated; pendant fitting with cable suspension; with integrated toolless suspension height adjustment; spring clip attachment to the luminaire; freely positionable; incl. feeder cable; extruded profile for improved thermal management; high gloss reflector with faceted design; direct / indirect light distribution; indirect light component with integrated PCboards and high quality lens system for maximum, homogeneous ceiling illumination, optionally separately controllable; energy-efficient LEDs with very good colour rendering

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; extrem schlanke Bauform (nur 42 x 42mm); keine sichtbaren Schrauben; Oberfläche pulverbeschichtet; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; Befestigung an der Leuchte mittels Federclips; frei positionierbar; inkl. Einspeiseleitung; 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 - 6500 K  
 CRI  $\geq$  80, CRI  $\geq$  90 / 3 SDCM  
 (initial MacAdam)  
 UGR  $\leq$  10, UGR  $\leq$  13, UGR  $\leq$  16  
 up to  $\downarrow$  5,530 lm /  $\uparrow$  7,850 lm  
 up to 7,460 lm/m  
 up to 163 lm/W  
 L90 / 50000 h, L90 / 75000 h  
 DALI-2, DALI-2 / DALI-2  
 ESSENTIAL sensor, DALI-2 D/I  
 separately controllable  
 Reflector  
 IP20

### Types



### Colour



### Reflector



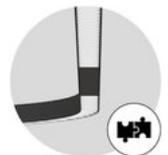
### Light distributions



DiiA® standards  
 251, 252, 253



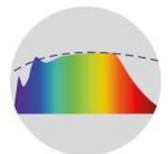
DIN EN 12464-1  
 UGR  $\leq$  19



system solution



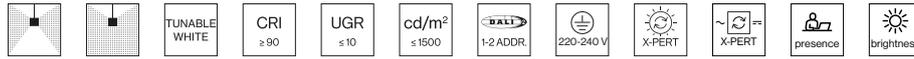
glare-free direct  
 and 170°  
 indirect  
 illumination



CRI  $\geq$  98  
 XPECTRUM  
 (optional)

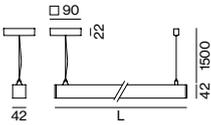


## BETO suspended



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

| SYSTEM | LENGTH  | COLOUR TEMP.           | LUM. FLUX      | EFFICACY | ORDER CODE  |
|--------|---------|------------------------|----------------|----------|---|
| 51.0 W | 1857 mm | ↓ 3000 K/ ↑ tunable w. | ↓3200/↑3050 lm | 123 lm/W | 0 7 4 - 6 2 D 6 0 4 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
|        |         | ↓ 4000 K/ ↑ tunable w. | ↓3200/↑3050 lm | 123 lm/W | 0 7 4 - 6 2 D 6 1 4 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| 88.0 W | 3057 mm | ↓ 3000 K/ ↑ tunable w. | ↓4810/↑6110 lm | 124 lm/W | 0 7 4 - 6 2 D 9 0 4 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
|        |         | ↓ 4000 K/ ↑ tunable w. | ↓4810/↑6110 lm | 124 lm/W | 0 7 4 - 6 2 D 9 1 4 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |



tunable white only INDIRECT

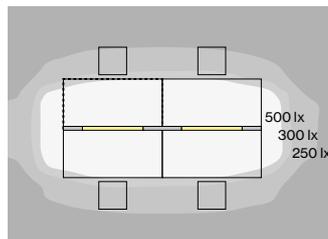
### INDIRECT POWER

| SYSTEM | LENGTH  | COLOUR TEMP. | CRI ≥ | LUM. FLUX | EFFICACY | ORDER CODE  |
|--------|---------|--------------|-------|-----------|----------|---|
| 54.0 W | 3457 mm | 3000 K       | 80    | 7840 lm   | 145 lm/W | 0 7 4 - 6 2 N 9 5 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
|        |         |              | 90    | 6840 lm   | 127 lm/W | 0 7 4 - 6 2 N 9 0 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
|        |         | 4000 K       | 80    | 8360 lm   | 155 lm/W | 0 7 4 - 6 2 N 9 6 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
|        |         |              | 90    | 6840 lm   | 127 lm/W | 0 7 4 - 6 2 N 9 1 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| 61.0 W | 3457 mm | tunable w.   | 90    | 6880 lm   | 113 lm/W | 0 7 4 - 6 2 N 9 D <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |

### DIRECT / INDIRECT POWER

| SYSTEM | LENGTH  | COLOUR TEMP. | CRI ≥ | LUM. FLUX      | EFFICACY | ORDER CODE  |
|--------|---------|--------------|-------|----------------|----------|---|
| 48.0 W | 1857 mm | 3000 K       | 80    | ↓3470/↑3440 lm | 144 lm/W | 0 7 4 - 6 2 4 6 5 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
|        |         |              | 90    | ↓3020/↑2970 lm | 125 lm/W | 0 7 4 - 6 2 4 6 0 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
|        |         | 4000 K       | 80    | ↓3690/↑3930 lm | 159 lm/W | 0 7 4 - 6 2 4 6 6 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
|        |         |              | 90    | ↓3020/↑3210 lm | 130 lm/W | 0 7 4 - 6 2 4 6 1 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| 51.0 W | 1857 mm | tunable w.   | 90    | ↓3320/↑2890 lm | 122 lm/W | 0 7 4 - 6 2 4 6 D <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| 82.0 W | 3057 mm | 3000 K       | 80    | ↓5200/↑6890 lm | 147 lm/W | 0 7 4 - 6 2 4 9 5 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
|        |         |              | 90    | ↓4530/↑5940 lm | 128 lm/W | 0 7 4 - 6 2 4 9 0 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
|        |         | 4000 K       | 80    | ↓5530/↑7850 lm | 163 lm/W | 0 7 4 - 6 2 4 9 6 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
|        |         |              | 90    | ↓4530/↑6410 lm | 133 lm/W | 0 7 4 - 6 2 4 9 1 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| 87.0 W | 3057 mm | tunable w.   | 90    | ↓4980/↑5770 lm | 124 lm/W | 0 7 4 - 6 2 4 9 D <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |

## Planning Information



**BETO** suspended, 86W, 4000K  
direct / indirect power

#### ROOM VALUES

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

#### CALCULATION SURFACE .....

|                               |           |
|-------------------------------|-----------|
| Surface dimensions            | 1.6 × 0.8 |
| Surface height                | 0.75      |
| Average illuminance ( $E_m$ ) | >500 lx   |
| Uniformity ( $U_0$ )          | >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 / DALI-2 ESSENTIAL sensor | 7       | DALI-2 D/I separately controllable | 4         | 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

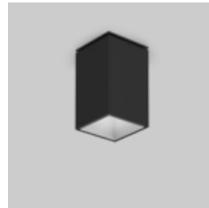
**Photographer**  
Kurt Kuball



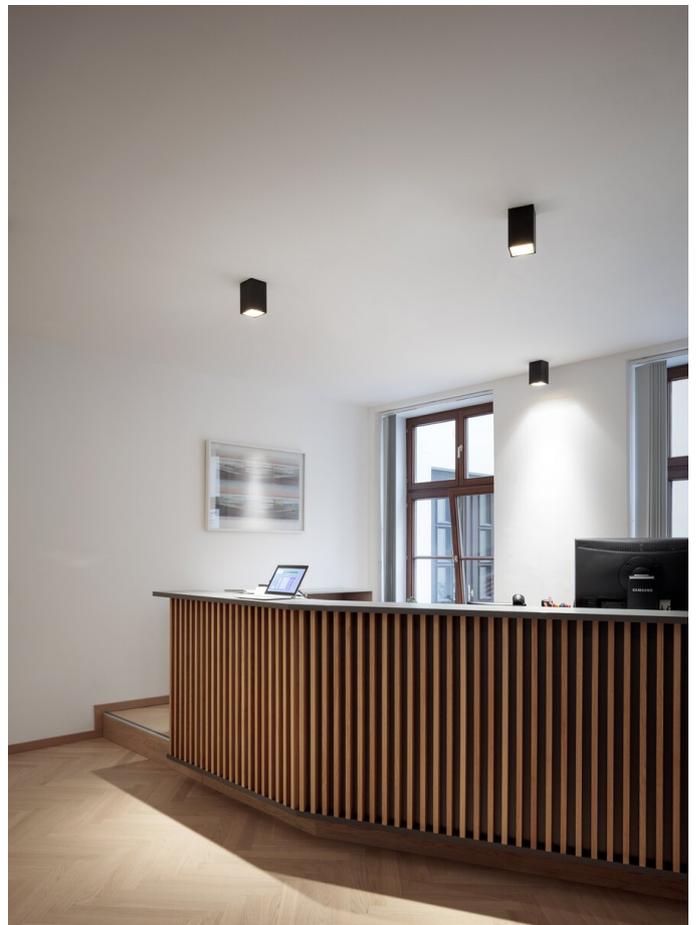
## Used products



**BETO ceiling /  
suspended system**



**SASSO 100 square  
ceiling**





# Granitlab Coworking

Austria

## Architect

GHT-Plan GmbH

## Lighting Design

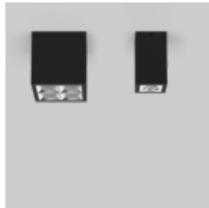
GHT-Plan GmbH, AREA  
C.I. Design GmbH

## Photographer

Kurt Kuball



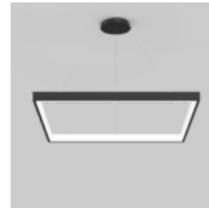
## Used products



**UNICO Q1 / Q4 basic ceiling**



**UNICO Q1 / Q4 ceiling**



**INO square suspended**



**BETO suspended**

