

## BETO

suspended

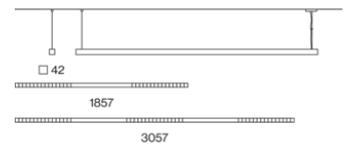
**EN** Luminaire housing from extruded aluminium profile, angular design; extremely slim design (only 42 x 42mm); no visible screws; surface powder coated; pendant fitting with cable suspension; with integrated toolless suspension height adjustment; spring clip attachment to the luminaire; freely positionable;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

**FR** Corps de luminaire en profil extrudé en alu, version arête ; forme extrêmement élancée (seulement 42 x 42 mm) ; aucune vis visible ; surface thermolaquée ; suspension par câble ; réglage en hauteur sans outil au luminaire ; fixation au luminaire au moyen de clips à ressort ; positionnement libre ; incl. conduit d'alimentation ; profil extrudé pour une meilleure gestion de la température ; réflecteur ultra-brillant avec optique à facettes ; caractéristique de rayonnement direct / indirect ; dispositif d'éclairage indirect avec platines dédiées et optique de lentille de grande qualité pour un éclairage maximal et homogène du plafond, contrôle séparé en option ; LED économes en énergie à restitution de couleur élevée

### Quickinfo

3000 K, 4000 K, tunable white  
2700 - 6500 K  
CRI ≥ 80, CRI ≥ 90 / 3 SDCM  
(initial MacAdam)  
UGR ≤ 10, UGR ≤ 13, UGR ≤ 16  
jusqu'à ↓ 5,530 lm / ↑ 7,850 lm  
jusqu'à 7,460 lm/m  
jusqu'à 163 lm/W  
L90 / 50000 h, L90 / 75000 h  
DALI-2, DALI-2 / DALI-2  
ESSENTIAL sensor, DALI-2 D/I  
contrôlable séparément  
Lens, Reflector  
IP20

### Types



### Couleur



### Réflecteur



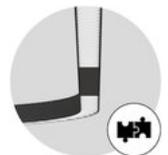
### Répartition de la lumière



DiiA® standards  
251, 252, 253



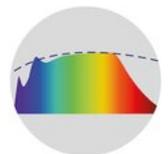
DIN EN 12464-1  
UGR ≤ 19



system solution



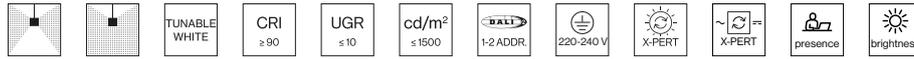
glare-free direct  
and 170°  
indirect  
illumination



CRI ≥ 98  
XPECTRUM  
(optional)



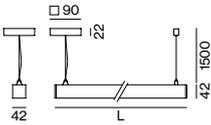
## BETO suspended



### 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



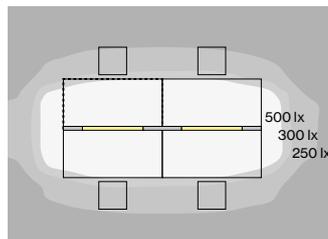
### INDIRECT POWER

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

Autriche

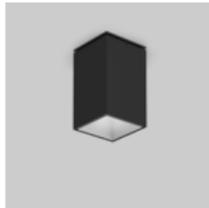
**Architecte**  
F+P Architekten

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

**Photographe**  
Kurt Kuball



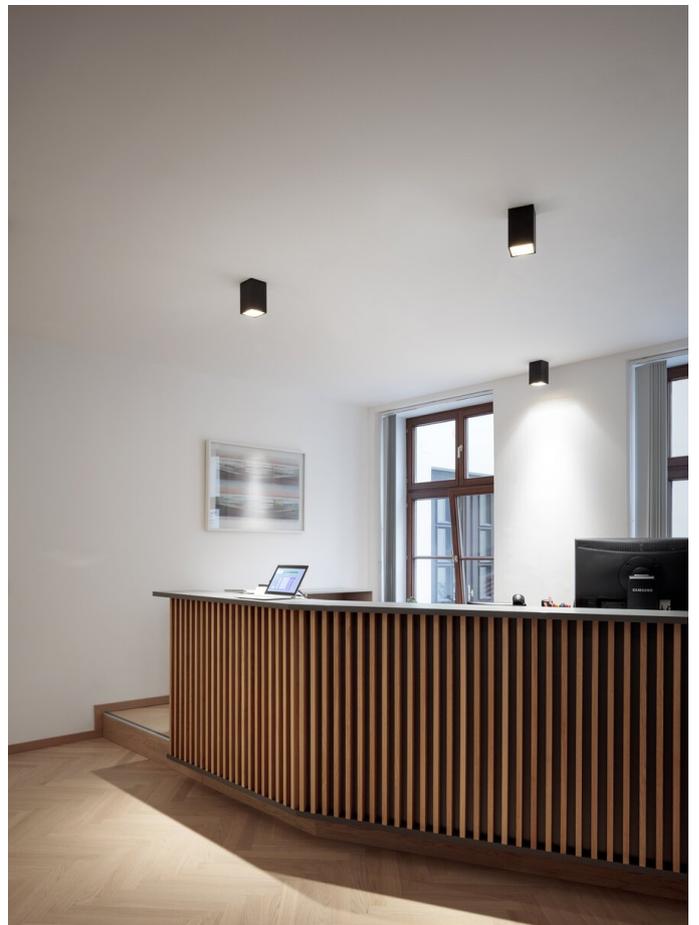
## Produits utilisés



**SASSO 100 square ceiling**



**BETO ceiling / suspended system**





# Granitlab Coworking

Autriche

## Architecte

GHT-Plan GmbH

## Lighting Design

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

## Photographe

Kurt Kuball



## Produits utilisés



**UNICO Q1 / Q4  
ceiling**



**INO square  
suspended**



**UNICO Q1 / Q4 basic  
ceiling**



**BETO suspended**

