

## BETO

suspended

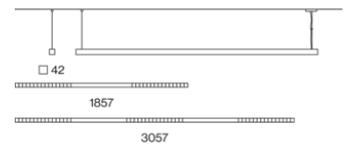
<sup>EN</sup> Luminaire housing from extruded aluminium profile, angular design; extremely slim design (only 42 x 42mm); no visible screws; surface powder coated; pendant fitting with cable suspension; with integrated toolless suspension height adjustment; spring clip attachment to the luminaire; freely 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

□ Corpo illuminante in profilo di alluminio estruso, modello squadrato; forma estremamente sottile (solo 42 x 42 mm); nessuna vite visibile; verniciatura a polvere; sospeso con cavo a sospensione; altezza regolabile sull'apparecchio, senza utensili; fissaggio sull'apparecchio tramite clip a molla; libertà di posizionamento; incl. cavo di alimentazione; profilo di alluminio estruso per migliorare il bilancio termico; riflettore ad alta lucentezza con design sfaccettato; emissione diretta/indiretta; luce indiretta con chip dedicati e ottica lenticolare d'alta qualità, per una luminosità estensiva ed omogenea sul soffitto, a scelta con comandi separati; LED ad efficienza energetica con elevata resa cromatica

### Quickinfo

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

### Types



### Colore



### Riflettore



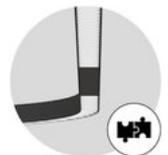
### Distribuzione della luce



Dii<sup>®</sup> standards  
251, 252, 253



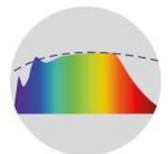
DIN EN 12464-1  
UGR ≤ 19



system solution



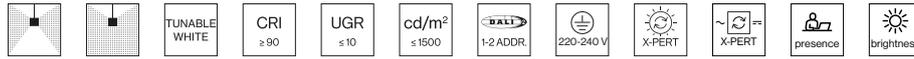
glare-free direct  
and 170°  
indirect  
illumination



CRI ≥ 98  
XPECTRUM  
(optional)

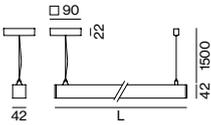


## BETO suspended



### 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"/>

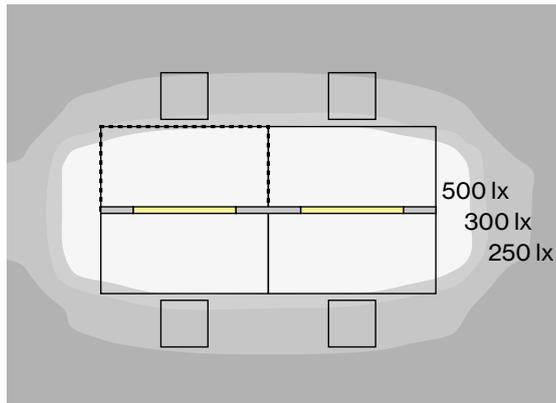
### DIRECT / INDIRECT POWER

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"/>

### 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				

## Planning Information



**BETO** suspended, 86 W, 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 ( $E_m$ )	> 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/m <sup>2</sup>

### 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

## Architetto

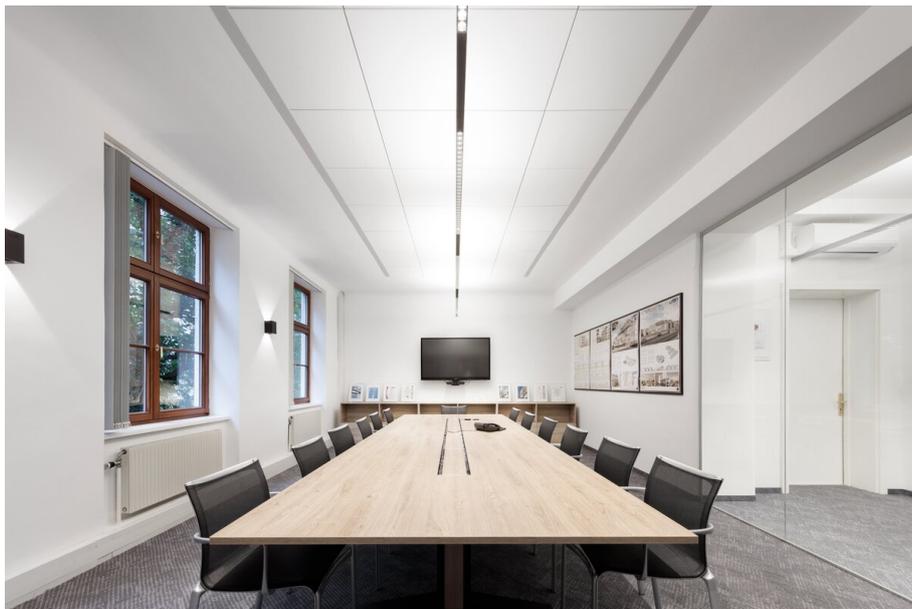
F+P Architekten

## Lighting Design

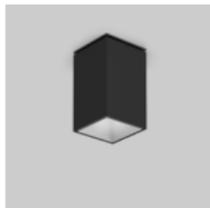
Ing. Gerald Pummer,  
Illuminazione

## Fotografo

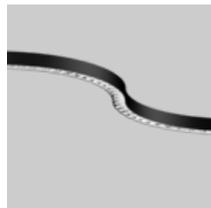
Kurt Kuball



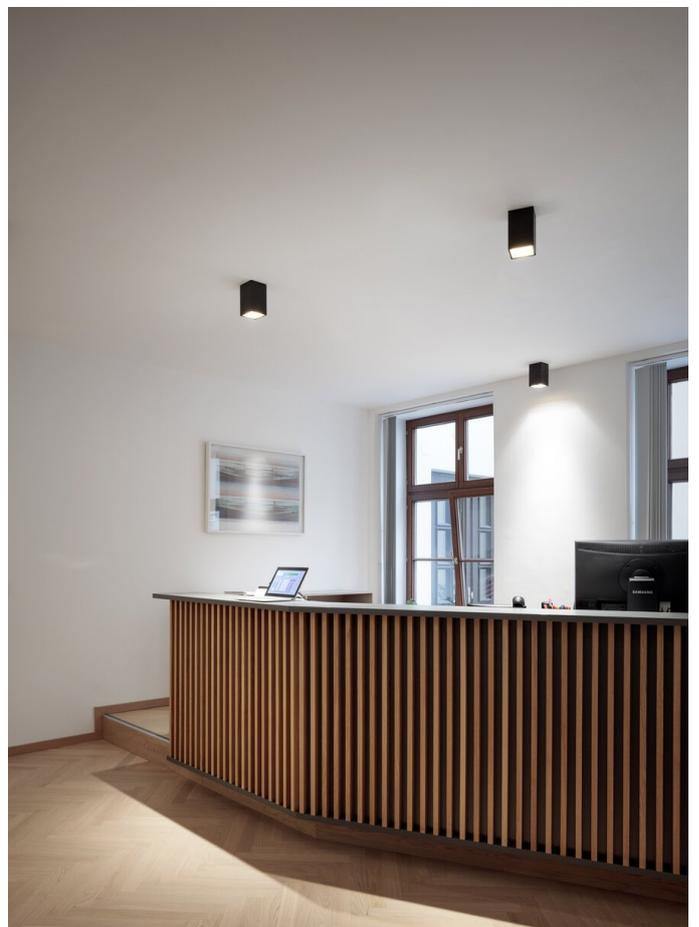
## Prodotti utilizzati



**SASSO 100 square ceiling**



**BETO ceiling / suspended system**





# Granitlab Coworking

Austria

## Architetto

GHT-Plan GmbH

## Lighting Design

GHT-Plan GmbH, AREA

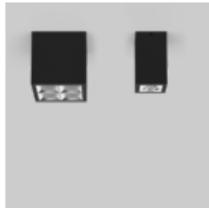
C.I. Design GmbH

## Fotografo

Kurt Kuball



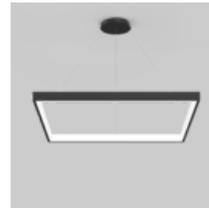
## Prodotti utilizzati



**UNICO Q1 / Q4  
ceiling**



**UNICO Q1 / Q4 basic  
ceiling**



**INO square  
suspended**



**BETO suspended**

