

BETO

suspended

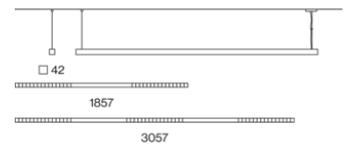
^{EN} Luminaire housing from extruded aluminium profile, angular design; extremely slim design (only 42 x 42 mm); no visible screws; surface powder coated; pendant fitting with cable suspension; with integrated toolless suspension height adjustment; spring clip attachment to the luminaire; freely positionable;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

^{ES} Cuerpo de perfil de aluminio con diseño angular; forma extremadamente esbelta (solo 42 x 42 mm); sin tornillos visibles; superficie con recubrimiento de pintura en polvo; suspendido con cable; regulación de la altura sin necesitar herramientas; fijación en las lámparas por medio de enganches elásticos; ajustable de una manera sencilla; incl. cable de alimentación; perfil extruido para una mejor gestión del calor; reflector de alto brillo con óptica facetada; característica de emisión directa / indirecta; componente de luz indirecta con pletinas propias y una óptica de lente de alta calidad para una claridad de techo máxima y homogénea, opcionalmente dotada de control independiente; LEDs de alta eficiencia que proporcionan una alta reproducción cromática

Quickinfo

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

Types



Color



Reflector



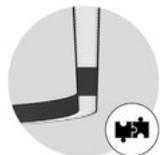
Distribución luminosa



DiiA® standards
 251, 252, 253



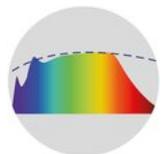
DIN EN 12464-1
 UGR ≤ 19



system solution



glare-free direct
 and 170°
 indirect
 illumination



CRI ≥ 98
 XPECTRUM
 (optional)

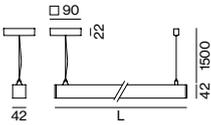


BETO suspended



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"/>

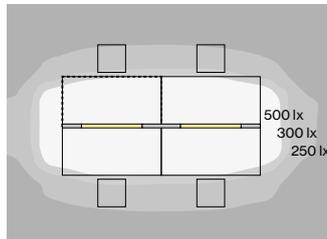


tunable white only INDIRECT

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, 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_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				

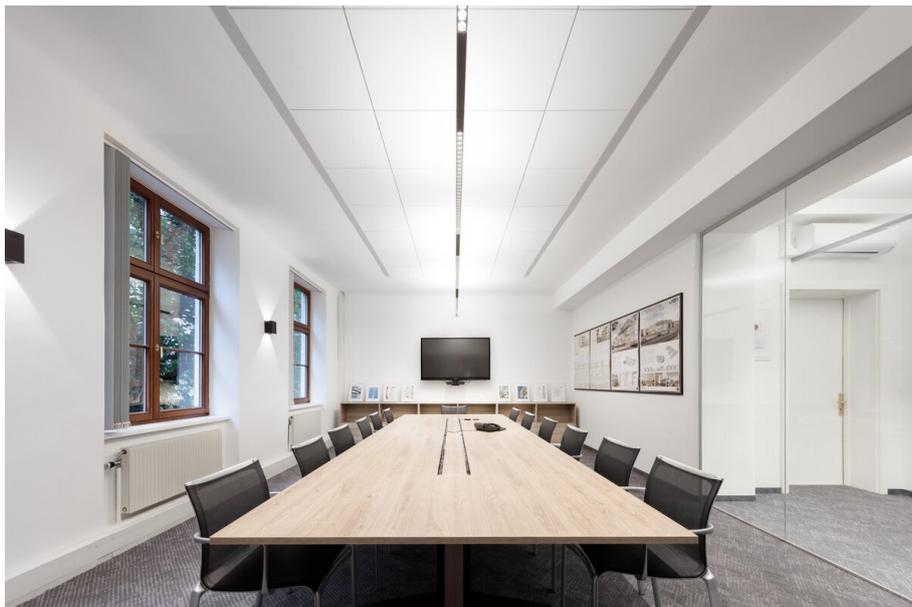
F+P Architekten, Vienna

Austria

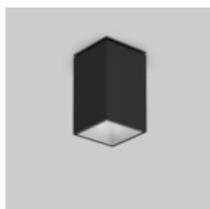
Arquitecto
F+P Architekten

Lighting Design
Ing. Gerald Pummer,
Illuminazione

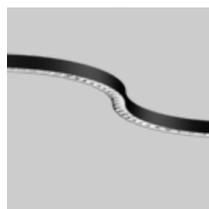
Fotografía
Kurt Kuball



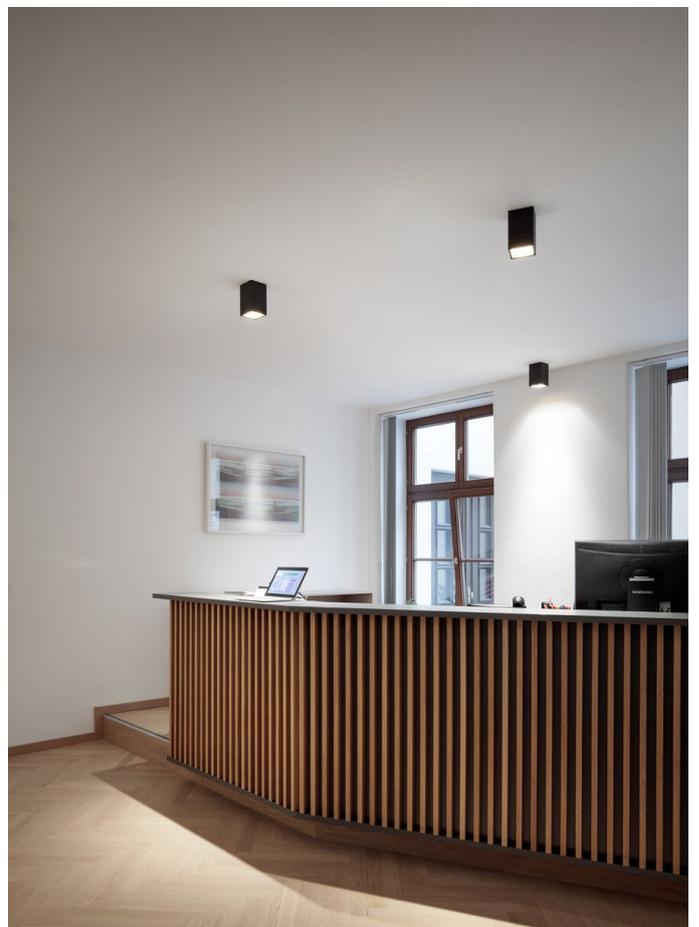
Productos utilizados



SASSO 100 square ceiling



BETO ceiling / suspended system





Granitlab Coworking

Austria

Arquitecto

GHT-Plan GmbH

Lighting Design

GHT-Plan GmbH, AREA

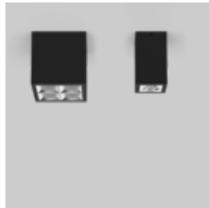
C.I. Design GmbH

Fotografía

Kurt Kuball



Productos utilizados



**UNICO Q1 / Q4
ceiling**



**UNICO Q1 / Q4 basic
ceiling**



BETO suspended



**INO square
suspended**

