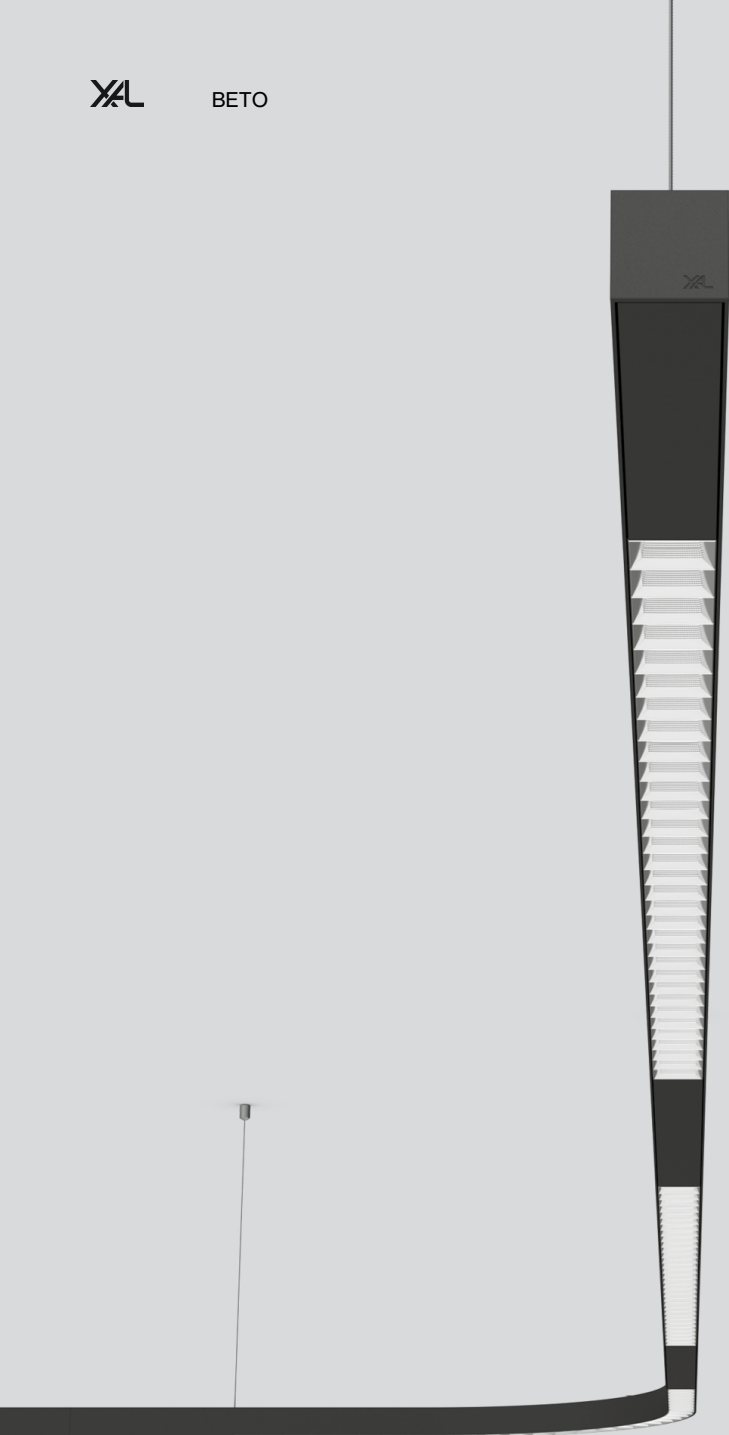




BETO

ceiling / suspended system

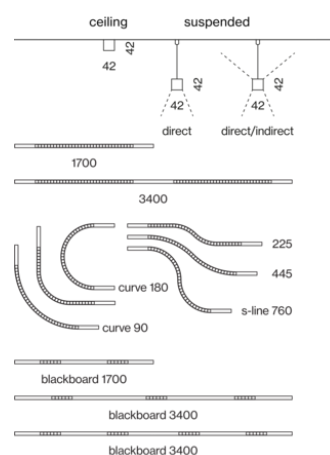
EN Luminaire housing from extruded aluminium profile, angular design (only 42 x 42 mm); no visible screws; designed for lighting systems; different versions: choice of linear, S-shaped or CURVE segment design (90° or 180°); surface powder coated; for ceiling surface mounting or suspended mounting; pendant fitting with cable suspension; height adjustment without tools; spring clip attachment to the luminaire; incl. feeder cable; extruded profile for improved thermal management; high gloss reflector with faceted design; either with direct or direct / indirect light distribution, or with high quality aluminium-vaporised micro-faceted reflector for homogeneous vertical lighting intensity; indirect light component with integrated PC boards and high quality lens system for maximum, homogeneous ceiling illumination, separately controllable; energy-efficient LEDs with very good colour rendering

FR Corps de luminaire en profil extrudé en alu, version arête (seulement 42 x 42 mm) ; aucune vis visible ; conçu pour les systèmes d'éclairage ; différentes variantes : forme au choix linéaire, en S ou comme élément CURVE (90° ou 180°) ; surface thermolaquée ; pour montage au plafond en saillie ou pour montage suspendu ; suspension par câble ; réglage en hauteur sans outil ; fixation au luminaire au moyen de clips à ressort ; incl. conduit d'alimentation ; profil extrudé pour une meilleure gestion de la température ; réflecteur ultra-brillant avec optique à facettes ; au choix avec caractéristique de rayonnement direct ou direct/indirect, ou avec un réflecteur de haute qualité aluminisé à microfacettes pour des intensités homogènes d'éclairage vertical ; dispositif d'éclairage indirect avec platines dédiées et optique de lentille de grande qualité pour un éclairage maximal et homogène du plafond, contrôlable séparément ; LED économes en énergie à restitution de couleur élevée

Quickinfo

3000 K, 4000 K
 CRI ≥ 80, CRI ≥ 90 / 3 SDCM
 (initial MacAdam)
 UGR ≤ 10, UGR ≤ 13, UGR ≤ 16,
 UGR ≤ 19
 jusqu'à ↓ 10 200 lm / ↑ 8 640 lm
 jusqu'à 165 lm/W
 L90 / 50000 h, L90 / 75000 h
 DALI-2, DALI-2 / DALI-2
 ESSENTIAL sensor
 Reflector
 IP20 / CP1 / 220-240 V
 654 mm, 954 mm, 1035 mm, 1265
 mm, 1580 mm, 1641 mm, 1700
 mm, 3 400 mm,

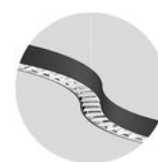
Types



Colours



Répartition de la lumière



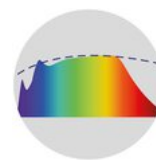
curve elements



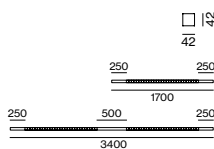
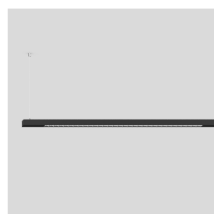
DIN EN 12464-1
 UGR ≤ 19



glare-free direct
 and 170°
 indirect
 illumination



CRI ≥ 98
 XPECTRUM
 (optional)

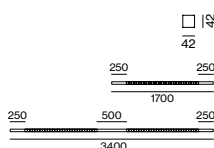


BETO linear ceiling / suspended system



DIRECT

SYSTEM	LENGTH	COLOUR TEMP.	CRI ≥	REFLECTOR	LUM. FLUX	EFFICACY	ORDER CODE
22.6 W	1700 mm	3000 K	80	chrome	3390 lm	150 lm/W	0 7 4 - 6 0 0 6 5 3  R
				dark chr.	2430 lm	108 lm/W	0 7 4 - 6 0 0 6 5 3  B
			90	chrome	2960 lm	131 lm/W	0 7 4 - 6 0 0 6 0 3  R
				dark chr.	2120 lm	94 lm/W	0 7 4 - 6 0 0 6 0 3  B
		4000 K	80	chrome	3610 lm	160 lm/W	0 7 4 - 6 0 0 6 6 3  R
			90	chrome	2960 lm	131 lm/W	0 7 4 - 6 0 0 6 1 3  R
44.0 W	3400 mm	3000 K	80	chrome	6800 lm	155 lm/W	0 7 4 - 6 0 0 9 5   R
				dark chr.	4840 lm	110 lm/W	0 7 4 - 6 0 0 9 5   B
			90	chrome	5920 lm	135 lm/W	0 7 4 - 6 0 0 9 0   R
				dark chr.	4240 lm	96 lm/W	0 7 4 - 6 0 0 9 0   B
		4000 K	80	chrome	7240 lm	165 lm/W	0 7 4 - 6 0 0 9 6   R
				dark chr.	5160 lm	117 lm/W	0 7 4 - 6 0 0 9 6   B
			90	chrome	5920 lm	135 lm/W	0 7 4 - 6 0 0 9 1   R
				dark chr.	4240 lm	96 lm/W	0 7 4 - 6 0 0 9 1   B
				chrome	5920 lm	135 lm/W	0 7 4 - 6 0 0 9 1   R
				dark chr.	4240 lm	96 lm/W	0 7 4 - 6 0 0 9 1   B



BETO linear suspended system



DIRECT / INDIRECT POWER

SYSTEM	LENGTH	COLOUR TEMP.	CRI ≥	REFLECTOR	LUM. FLUX	EFFICACY	ORDER CODE
50.0 W	1700 mm	3000 K	80	chrome	↓3390/↑3710 lm	142 lm/W	0 7 4 - 6 0 3 6 5 3  R
				dark chr.	↓2430/↑3710 lm	123 lm/W	0 7 4 - 6 0 3 6 5 3  B
			90	chrome	↓2960/↑3200 lm	123 lm/W	0 7 4 - 6 0 3 6 0 3  R
				dark chr.	↓2120/↑3200 lm	106 lm/W	0 7 4 - 6 0 3 6 0 3  B
		4000 K	80	chrome	↓3610/↑4220 lm	157 lm/W	0 7 4 - 6 0 3 6 6 3  R
				dark chr.	↓2580/↑4220 lm	136 lm/W	0 7 4 - 6 0 3 6 6 3  B
95.0 W	3400 mm	3000 K	80	chrome	↓2960/↑3460 lm	128 lm/W	0 7 4 - 6 0 3 6 1 3  R
				dark chr.	↓2120/↑3460 lm	112 lm/W	0 7 4 - 6 0 3 6 1 3  B
			90	chrome	↓6790/↑7330 lm	149 lm/W	0 7 4 - 6 0 3 9 5   R
				dark chr.	↓4860/↑7330 lm	128 lm/W	0 7 4 - 6 0 3 9 5   B
		4000 K	90	chrome	↓5910/↑6320 lm	129 lm/W	0 7 4 - 6 0 3 9 0   R
				dark chr.	↓4230/↑6320 lm	111 lm/W	0 7 4 - 6 0 3 9 0   B
			80	chrome	↓7220/↑8350 lm	164 lm/W	0 7 4 - 6 0 3 9 6   R
				dark chr.	↓5170/↑8350 lm	142 lm/W	0 7 4 - 6 0 3 9 6   B
			90	chrome	↓5910/↑6830 lm	134 lm/W	0 7 4 - 6 0 3 9 1   R
				dark chr.	↓4230/↑6830 lm	116 lm/W	0 7 4 - 6 0 3 9 1   B

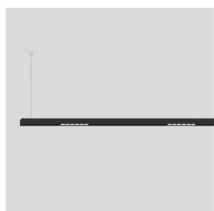
Order options

CONTROL		COLOUR	
DALI-2	3	pure white RAL 9010	7
DALI-2 / DALI-2 ESSENTIAL sensor	7	jet black RAL 9005	8

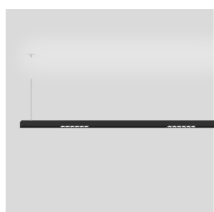
DIRECT / INDIRECT 2700-6500K POWER CRI ≥ 90

SYSTEM	COLOUR TEMP.	REFLECTOR	LUM. FLUX	EFFICACY	ORDER CODE
106.0 W	↓ 3000 K/ ↑ tunable w.	chrome	↓ 6410/↑ 6870 lm	125 lm/W	0 7 4 - 6 0 D 9 0   R
		dark chr.	↓ 4590/↑ 6870 lm	108 lm/W	0 7 4 - 6 0 D 9 0   B
	↓ 4000 K/ ↑ tunable w.	chrome	↓ 6410/↑ 6870 lm	125 lm/W	0 7 4 - 6 0 D 9 1   R
		dark chr.	↓ 4590/↑ 6870 lm	108 lm/W	0 7 4 - 6 0 D 9 1   B

only available in length 3400 mm

BETO linear blackboard ceiling / suspended system**WALLWASHER DALI-2**

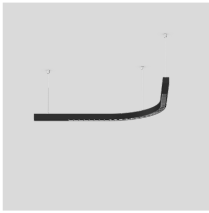
VARIANT	LENGTH	COLOUR TEMP.	CRI ≥	SYSTEM	LUM. FLUX	EFFICACY	ORDER CODE
2 optics	1700 mm	3000 K	80	45.0 W	5020 lm	112 lm/W	0 7 4 - 7 7 0 6 5 3   R
			90	47.0 W	4500 lm	96 lm/W	0 7 4 - 7 7 0 6 0 3   R
		4000 K	80	46.0 W	5120 lm	111 lm/W	0 7 4 - 7 7 0 6 6 3   R
			90	47.0 W	4200 lm	89 lm/W	0 7 4 - 7 7 0 6 1 3   R
3 optics	3400 mm	3000 K	80	67.0 W	7530 lm	112 lm/W	0 7 4 - 7 7 1 9 5 3   R
			90	68.0 W	6750 lm	99 lm/W	0 7 4 - 7 7 1 9 0 3   R
		4000 K	80	67.0 W	7680 lm	115 lm/W	0 7 4 - 7 7 1 9 6 3   R
			90	68.0 W	6300 lm	93 lm/W	0 7 4 - 7 7 1 9 1 3   R
4 optics	3400 mm	3000 K	80	88.0 W	10000 lm	114 lm/W	0 7 4 - 7 7 2 9 5 3   R
			90	91.0 W	9000 lm	99 lm/W	0 7 4 - 7 7 2 9 0 3   R
		4000 K	80	90.0 W	10200 lm	113 lm/W	0 7 4 - 7 7 2 9 6 3   R
			90	91.0 W	8400 lm	92 lm/W	0 7 4 - 7 7 2 9 1 3   R

**BETO linear blackboard suspended system****WALLWASHER / INDIRECT DALI-2**

VARIANT	LENGTH	COLOUR TEMP.	CRI ≥	SYSTEM	LUM. FLUX	EFFICACY	ORDER CODE
2 optics	1700 mm	3000 K	80	71.0 W	↓ 5020/↑ 3970 lm	127 lm/W	0 7 4 - 7 7 3 6 5 3   R
			90	72.0 W	↓ 4200/↑ 3460 lm	106 lm/W	0 7 4 - 7 7 3 6 0 3   R
		4000 K	80	71.0 W	↓ 5120/↑ 4220 lm	132 lm/W	0 7 4 - 7 7 3 6 6 3   R
			90	72.0 W	↓ 4510/↑ 3460 lm	111 lm/W	0 7 4 - 7 7 3 6 1 3   R
3 optics	3400 mm	3000 K	80	120.0 W	↓ 7530/↑ 8120 lm	130 lm/W	0 7 4 - 7 7 4 9 5 3   R
			90	122.0 W	↓ 6300/↑ 7070 lm	110 lm/W	0 7 4 - 7 7 4 9 0 3   R
		4000 K	80	122.0 W	↓ 7680/↑ 8640 lm	134 lm/W	0 7 4 - 7 7 4 9 6 3   R
			90	122.0 W	↓ 6760/↑ 7070 lm	113 lm/W	0 7 4 - 7 7 4 9 1 3   R
4 optics	3400 mm	3000 K	80	142.0 W	↓ 10000/↑ 8120 lm	127 lm/W	0 7 4 - 7 7 5 9 5 3   R
			90	145.0 W	↓ 8400/↑ 7070 lm	107 lm/W	0 7 4 - 7 7 5 9 0 3   R
		4000 K	80	144.0 W	↓ 10200/↑ 8640 lm	131 lm/W	0 7 4 - 7 7 5 9 6 3   R
			90	145.0 W	↓ 9020/↑ 7070 lm	111 lm/W	0 7 4 - 7 7 5 9 1 3   R

Order options

CONTROL		COLOUR	
DALI-2	3	pure white RAL 9010	7
DALI-2 / DALI-2 ESSENTIAL sensor	7	jet black RAL 9005	8

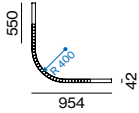


BETO CURVE 400 | 90° ceiling / suspended system



DIRECT DALI-2

SYSTEM	COLOUR TEMP.	CRI ≥	REFLECTOR	LUM. FLUX	EFFICACY	ORDER CODE
22.6 W	3000 K	80	chrome	3390 lm	150 lm/W	0 7 4 - 7 1 0 1 5 3 ☒ R
			dark chr.	2430 lm	108 lm/W	0 7 4 - 7 1 0 1 5 3 ☒ B
		90	chrome	2960 lm	131 lm/W	0 7 4 - 7 1 0 1 0 3 ☒ R
	4000 K	80	dark chr.	2120 lm	94 lm/W	0 7 4 - 7 1 0 1 0 3 ☒ B
			chrome	3610 lm	160 lm/W	0 7 4 - 7 1 0 1 6 3 ☒ R
		90	dark chr.	2580 lm	114 lm/W	0 7 4 - 7 1 0 1 6 3 ☒ B
			chrome	2960 lm	131 lm/W	0 7 4 - 7 1 0 1 1 3 ☒ R
			dark chr.	2120 lm	94 lm/W	0 7 4 - 7 1 0 1 1 3 ☒ B

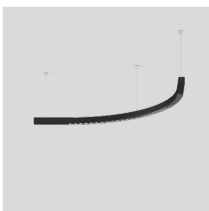
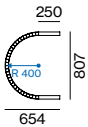


BETO CURVE 400 | 180° ceiling / suspended system



DIRECT DALI-2

SYSTEM	COLOUR TEMP.	CRI ≥	REFLECTOR	LUM. FLUX	EFFICACY	ORDER CODE
22.6 W	3000 K	80	chrome	3390 lm	150 lm/W	0 7 4 - 7 1 0 2 5 3 ☒ R
			dark chr.	2430 lm	108 lm/W	0 7 4 - 7 1 0 2 5 3 ☒ B
		90	chrome	2960 lm	131 lm/W	0 7 4 - 7 1 0 2 0 3 ☒ R
	4000 K	80	dark chr.	2120 lm	94 lm/W	0 7 4 - 7 1 0 2 0 3 ☒ B
			chrome	3610 lm	160 lm/W	0 7 4 - 7 1 0 2 6 3 ☒ R
		90	dark chr.	2580 lm	114 lm/W	0 7 4 - 7 1 0 2 6 3 ☒ B
			chrome	2960 lm	131 lm/W	0 7 4 - 7 1 0 2 1 3 ☒ R
			dark chr.	2120 lm	94 lm/W	0 7 4 - 7 1 0 2 1 3 ☒ B

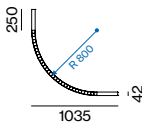


BETO CURVE 800 | 90° ceiling / suspended system



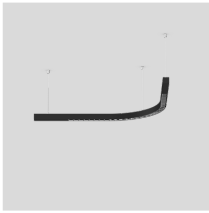
DIRECT DALI-2

SYSTEM	COLOUR TEMP.	CRI ≥	REFLECTOR	LUM. FLUX	EFFICACY	ORDER CODE
22.6 W	3000 K	80	chrome	3390 lm	150 lm/W	0 7 4 - 7 1 0 3 5 3 ☒ R
			dark chr.	2430 lm	108 lm/W	0 7 4 - 7 1 0 3 5 3 ☒ B
		90	chrome	2960 lm	131 lm/W	0 7 4 - 7 1 0 3 0 3 ☒ R
	4000 K	80	dark chr.	2120 lm	94 lm/W	0 7 4 - 7 1 0 3 0 3 ☒ B
			chrome	3610 lm	160 lm/W	0 7 4 - 7 1 0 3 6 3 ☒ R
		90	dark chr.	2580 lm	114 lm/W	0 7 4 - 7 1 0 3 6 3 ☒ B
			chrome	2960 lm	131 lm/W	0 7 4 - 7 1 0 3 1 3 ☒ R
			dark chr.	2120 lm	94 lm/W	0 7 4 - 7 1 0 3 1 3 ☒ B



Order options

COLOUR	
pure white RAL 9010	7
jet black RAL 9005	8

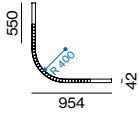


BETO CURVE 400 | 90° suspended system



DIRECT / INDIRECT POWER DALI-2

SYSTEM	COLOUR TEMP.	CRI ≥	REFLECTOR	LUM. FLUX	EFFICACY	ORDER CODE
51.0 W	3000 K	80	chrome	↓3390/↑3960 lm	144 lm/W	0 7 4 - 7 1 3 1 5 3 ☒ R
			dark chr.	↓2430/↑3960 lm	125 lm/W	0 7 4 - 7 1 3 1 5 3 ☒ B
		90	chrome	↓2960/↑3410 lm	125 lm/W	0 7 4 - 7 1 3 1 0 3 ☒ R
			dark chr.	↓2120/↑3410 lm	108 lm/W	0 7 4 - 7 1 3 1 0 3 ☒ B
	4000 K	80	chrome	↓3610/↑4510 lm	159 lm/W	0 7 4 - 7 1 3 1 6 3 ☒ R
			dark chr.	↓2580/↑4510 lm	139 lm/W	0 7 4 - 7 1 3 1 6 3 ☒ B
		90	chrome	↓2960/↑3690 lm	130 lm/W	0 7 4 - 7 1 3 1 1 3 ☒ R
			dark chr.	↓2120/↑3690 lm	114 lm/W	0 7 4 - 7 1 3 1 1 3 ☒ B

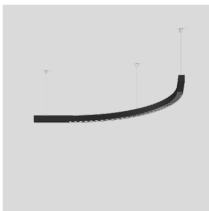
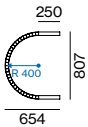


BETO CURVE 400 | 180° suspended system



DIRECT / INDIRECT POWER DALI-2

SYSTEM	COLOUR TEMP.	CRI ≥	REFLECTOR	LUM. FLUX	EFFICACY	ORDER CODE
51.0 W	3000 K	80	chrome	↓3390/↑3960 lm	144 lm/W	0 7 4 - 7 1 3 2 5 3 ☒ R
			dark chr.	↓2430/↑3960 lm	125 lm/W	0 7 4 - 7 1 3 2 5 3 ☒ B
		90	chrome	↓2960/↑3410 lm	125 lm/W	0 7 4 - 7 1 3 2 0 3 ☒ R
			dark chr.	↓2120/↑3410 lm	108 lm/W	0 7 4 - 7 1 3 2 0 3 ☒ B
	4000 K	80	chrome	↓3610/↑4510 lm	159 lm/W	0 7 4 - 7 1 3 2 6 3 ☒ R
			dark chr.	↓2580/↑4510 lm	139 lm/W	0 7 4 - 7 1 3 2 6 3 ☒ B
		90	chrome	↓2960/↑3690 lm	130 lm/W	0 7 4 - 7 1 3 2 1 3 ☒ R
			dark chr.	↓2120/↑3690 lm	114 lm/W	0 7 4 - 7 1 3 2 1 3 ☒ B

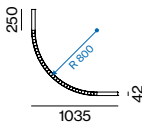


BETO CURVE 800 | 90° suspended system



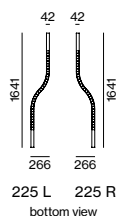
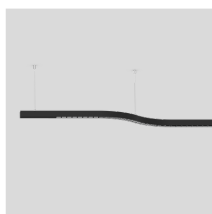
DIRECT / INDIRECT POWER DALI-2

SYSTEM	COLOUR TEMP.	CRI ≥	REFLECTOR	LUM. FLUX	EFFICACY	ORDER CODE
51.0 W	3000 K	80	chrome	↓3390/↑3960 lm	144 lm/W	0 7 4 - 7 1 3 3 5 3 ☒ R
			dark chr.	↓2430/↑3960 lm	125 lm/W	0 7 4 - 7 1 3 3 5 3 ☒ B
		90	chrome	↓2960/↑3410 lm	125 lm/W	0 7 4 - 7 1 3 3 0 3 ☒ R
			dark chr.	↓2120/↑3410 lm	108 lm/W	0 7 4 - 7 1 3 3 0 3 ☒ B
	4000 K	80	chrome	↓3610/↑4510 lm	159 lm/W	0 7 4 - 7 1 3 3 6 3 ☒ R
			dark chr.	↓2580/↑4510 lm	139 lm/W	0 7 4 - 7 1 3 3 6 3 ☒ B
		90	chrome	↓2960/↑3690 lm	130 lm/W	0 7 4 - 7 1 3 3 1 3 ☒ R
			dark chr.	↓2120/↑3690 lm	114 lm/W	0 7 4 - 7 1 3 3 1 3 ☒ B

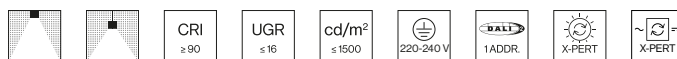


Order options

COLOUR	
pure white RAL 9010	7
jet black RAL 9005	8

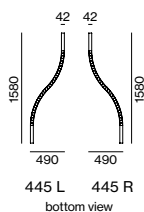
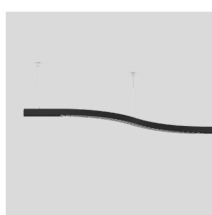


BETO s-line 225 ceiling / suspended system

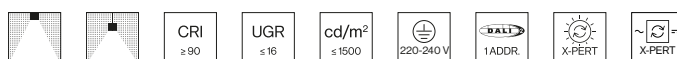


DIRECT DALI-2

SYSTEM	COLOUR TEMP.	CRI ≥	REFLECTOR	LUM. FLUX	EFFICACY	ORDER CODE
22.6 W	3000 K	80	chrome	3390 lm	150 lm/W	0 7 4 - 7 2 0 5 3 3 R
			dark chr.	2430 lm	108 lm/W	0 7 4 - 7 2 0 5 3 3 B
		90	chrome	2960 lm	131 lm/W	0 7 4 - 7 2 0 5 0 3 R
			dark chr.	2120 lm	94 lm/W	0 7 4 - 7 2 0 5 0 3 B
	4000 K	80	chrome	3610 lm	160 lm/W	0 7 4 - 7 2 0 5 6 3 R
			dark chr.	2580 lm	114 lm/W	0 7 4 - 7 2 0 5 6 3 B
		90	chrome	2960 lm	131 lm/W	0 7 4 - 7 2 0 5 1 3 R
			dark chr.	2120 lm	94 lm/W	0 7 4 - 7 2 0 5 1 3 B

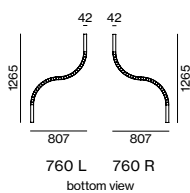
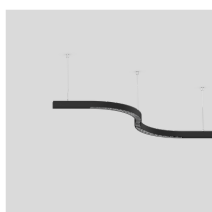


BETO s-line 445 ceiling / suspended system

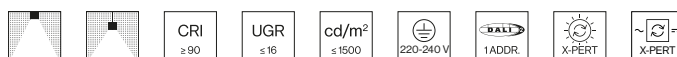


DIRECT DALI-2

SYSTEM	COLOUR TEMP.	CRI ≥	REFLECTOR	LUM. FLUX	EFFICACY	ORDER CODE
22.6 W	3000 K	80	chrome	3390 lm	150 lm/W	0 7 4 - 7 2 0 5 1 3 R
			dark chr.	2430 lm	108 lm/W	0 7 4 - 7 2 0 5 1 3 B
		90	chrome	2960 lm	131 lm/W	0 7 4 - 7 2 0 5 0 3 R
			dark chr.	2120 lm	94 lm/W	0 7 4 - 7 2 0 5 0 3 B
	4000 K	80	chrome	3610 lm	160 lm/W	0 7 4 - 7 2 0 5 1 3 R
			dark chr.	2580 lm	114 lm/W	0 7 4 - 7 2 0 5 1 3 B
		90	chrome	2960 lm	131 lm/W	0 7 4 - 7 2 0 5 1 3 R
			dark chr.	2120 lm	94 lm/W	0 7 4 - 7 2 0 5 1 3 B



BETO s-line 760 ceiling / suspended system

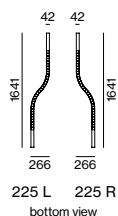
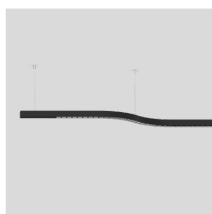


DIRECT DALI-2

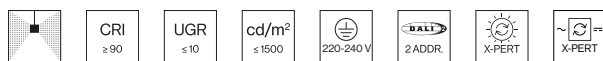
SYSTEM	COLOUR TEMP.	CRI ≥	REFLECTOR	LUM. FLUX	EFFICACY	ORDER CODE
22.6 W	3000 K	80	chrome	3390 lm	150 lm/W	0 7 4 - 7 2 0 5 2 3 R
			dark chr.	2430 lm	108 lm/W	0 7 4 - 7 2 0 5 2 3 B
		90	chrome	2960 lm	131 lm/W	0 7 4 - 7 2 0 5 0 3 R
			dark chr.	2120 lm	94 lm/W	0 7 4 - 7 2 0 5 0 3 B
	4000 K	80	chrome	3610 lm	160 lm/W	0 7 4 - 7 2 0 5 2 3 R
			dark chr.	2580 lm	114 lm/W	0 7 4 - 7 2 0 5 2 3 B
		90	chrome	2960 lm	131 lm/W	0 7 4 - 7 2 0 5 2 1 3 R
			dark chr.	2120 lm	94 lm/W	0 7 4 - 7 2 0 5 2 1 3 B

Order options

MOUNTING	5	MOUNTING	5 ₁	MOUNTING	5 ₂	COLOUR	3
L (left)	1	L (left)	5	L (left)	3	pure white RAL 9010	7
R (right)	2	R (right)	6	R (right)	4	jet black RAL 9005	8

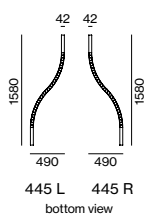
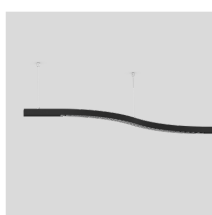


BETO s-line 225 suspended system

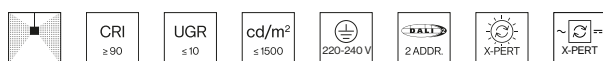


DIRECT / INDIRECT POWER DALI-2

SYSTEM	COLOUR TEMP.	CRI ≥	REFLECTOR	LUM. FLUX	EFFICACY	ORDER CODE
51.0 W	3000 K	80	chrome	↓3390/↑3960 lm	144 lm/W	0 7 4 - 7 2 3 5 3 ■ R
			dark chr.	↓2430/↑3960 lm	125 lm/W	0 7 4 - 7 2 3 5 3 ■ B
		90	chrome	↓2960/↑3410 lm	125 lm/W	0 7 4 - 7 2 3 5 0 3 ■ R
			dark chr.	↓2120/↑3410 lm	108 lm/W	0 7 4 - 7 2 3 5 0 3 ■ B
	4000 K	80	chrome	↓3610/↑4510 lm	159 lm/W	0 7 4 - 7 2 3 6 3 ■ R
			dark chr.	↓2580/↑4510 lm	139 lm/W	0 7 4 - 7 2 3 6 3 ■ B
		90	chrome	↓2960/↑3690 lm	130 lm/W	0 7 4 - 7 2 3 6 1 3 ■ R
			dark chr.	↓2120/↑3690 lm	114 lm/W	0 7 4 - 7 2 3 6 1 3 ■ B

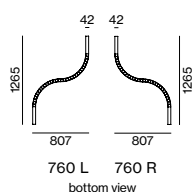
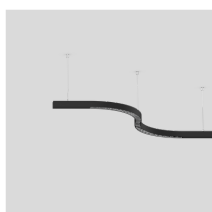


BETO s-line 445 suspended system

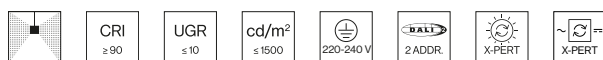


DIRECT / INDIRECT POWER DALI-2

SYSTEM	COLOUR TEMP.	CRI ≥	REFLECTOR	LUM. FLUX	EFFICACY	ORDER CODE
51.0 W	3000 K	80	chrome	↓3390/↑3960 lm	144 lm/W	0 7 4 - 7 2 3 5 3 ■ R
			dark chr.	↓2430/↑3960 lm	125 lm/W	0 7 4 - 7 2 3 5 3 ■ B
		90	chrome	↓2960/↑3410 lm	125 lm/W	0 7 4 - 7 2 3 5 0 3 ■ R
			dark chr.	↓2120/↑3410 lm	108 lm/W	0 7 4 - 7 2 3 5 0 3 ■ B
	4000 K	80	chrome	↓3610/↑4510 lm	159 lm/W	0 7 4 - 7 2 3 6 3 ■ R
			dark chr.	↓2580/↑4510 lm	139 lm/W	0 7 4 - 7 2 3 6 3 ■ B
		90	chrome	↓2960/↑3690 lm	130 lm/W	0 7 4 - 7 2 3 6 1 3 ■ R
			dark chr.	↓2120/↑3690 lm	114 lm/W	0 7 4 - 7 2 3 6 1 3 ■ B



BETO s-line 760 suspended system



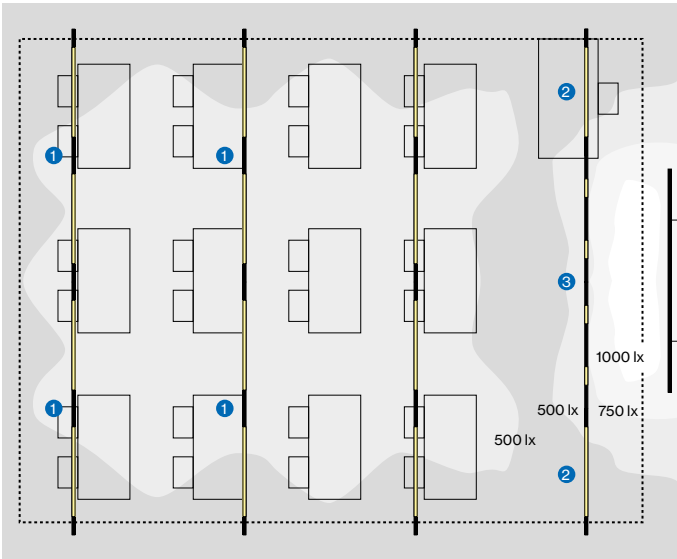
DIRECT / INDIRECT POWER DALI-2

SYSTEM	COLOUR TEMP.	CRI ≥	REFLECTOR	LUM. FLUX	EFFICACY	ORDER CODE
51.0 W	3000 K	80	chrome	↓3390/↑3960 lm	144 lm/W	0 7 4 - 7 2 3 5 3 ■ R
			dark chr.	↓2430/↑3960 lm	125 lm/W	0 7 4 - 7 2 3 5 3 ■ B
		90	chrome	↓2960/↑3410 lm	125 lm/W	0 7 4 - 7 2 3 5 0 3 ■ R
			dark chr.	↓2120/↑3410 lm	108 lm/W	0 7 4 - 7 2 3 5 0 3 ■ B
	4000 K	80	chrome	↓3610/↑4510 lm	159 lm/W	0 7 4 - 7 2 3 6 3 ■ R
			dark chr.	↓2580/↑4510 lm	139 lm/W	0 7 4 - 7 2 3 6 3 ■ B
		90	chrome	↓2960/↑3690 lm	130 lm/W	0 7 4 - 7 2 3 6 1 3 ■ R
			dark chr.	↓2120/↑3690 lm	114 lm/W	0 7 4 - 7 2 3 6 1 3 ■ B

Order options

MOUNTING	5	MOUNTING	5 ₁	MOUNTING	5 ₂	COLOUR	7
L (left)	1	L (left)	5	L (left)	3	pure white RAL 9010	7
R (right)	2	R (right)	6	R (right)	4	jet black RAL 9005	8

Planning Information



- 1 BETO 3400 ceiling system, 44 W, 4000 K
- 2 BETO 1700 ceiling system, 22.6 W, 4000 K
- 3 BETO 3400 blackboard ceiling, 91 W, 4000 K

ROOM VALUES

Room dimensions	9.5 x 7.5 x 3 m
Reflection factor	0.7 0.5 0.2
Maintenance factor	0.8
Mounting height	3 m

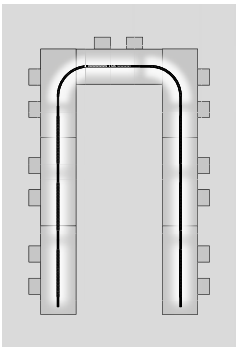
CALCULATION SURFACE

Surface dimensions	8.5 x 6.5
Surface height	0.75
Average illuminance (E _m)	> 500 lx
Uniformity (U ₀)	> 0.6

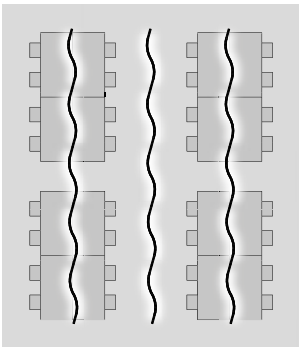
GLARE EVALUATION

Table Classification X=4H Y=8H S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19

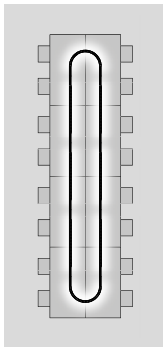
Arrangement examples (top view)



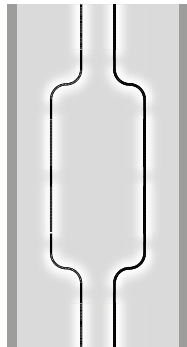
BETO curve 90
conference / seminar



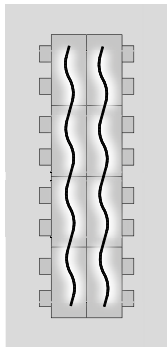
BETO s-line 445
office



BETO curve 180
conference

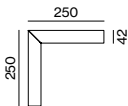


BETO s-line 760
corridor



BETO s-line 225
conference

Electrical mounting accessories



CORNER CONNECTOR 90° incl. through wire 5 x 1.5 mm²

L·W·H (mm)
250·250·42

order two mechanical linear connectors separately

ORDER CODE

0 7 4 - 6 0 9 1 2 1

Order options

COLOUR	
pure white RAL 9010	7
jet black RAL 9005	8

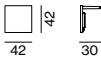
Mounting accessories



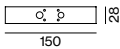
CABLE SUSPENSION			
COLOUR	CABLE LENGTH	W (mm)	ORDER CODE
chrome	1500 mm	46	0 0 5 - 2 1 5 2 1 1 0



CEILING FASTENER		ORDER CODE
L-W-H (mm)		
67-48-8		0 5 0 - 2 0 4 1 2 1



END CAPS 1 pair		ORDER CODE
L-W-H (mm)		
30-42-42		0 7 4 - 6 0 9 0 0 1



LINEAR CONNECTOR ceiling mechanical		ORDER CODE
L-W (mm)		
150-28		0 7 4 - 6 0 9 1 1 1 0



LINEAR CONNECTOR incl. cable suspension mechanical		ORDER CODE
CABLE LENGTH	L-W (mm)	
1500 mm	120-28	0 7 4 - 6 0 9 1 1 2 0

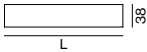
Electrical accessories



CANOPY square incl. feeder cable 5×1.5 mm², 1500 mm		ORDER CODE
L-W-H (mm)		
90-90-22		0 0 5 - 2 2 1 2 4 1
for electrical system configuration see luminaire data sheet at xal.com		

THROUGH WIRE 5×1.5 mm² 10 pieces		ORDER CODE
TYPE		
DALI-2		0 0 4 - 9 0 0 0 5

Optical accessories



BLIND COVER		ORDER CODE
L-W (mm)		
250-38		0 7 4 - 6 0 9 9 1 0
500-38		0 7 4 - 6 0 9 9 1 1
order 1×blind cover 500 mm for each linear connector and 1×250 mm for each end		

Order options

COLOUR	
pure white RAL 9010	7
jet black RAL 9005	8

F+P Architekten, Vienna

Autriche

Architecte

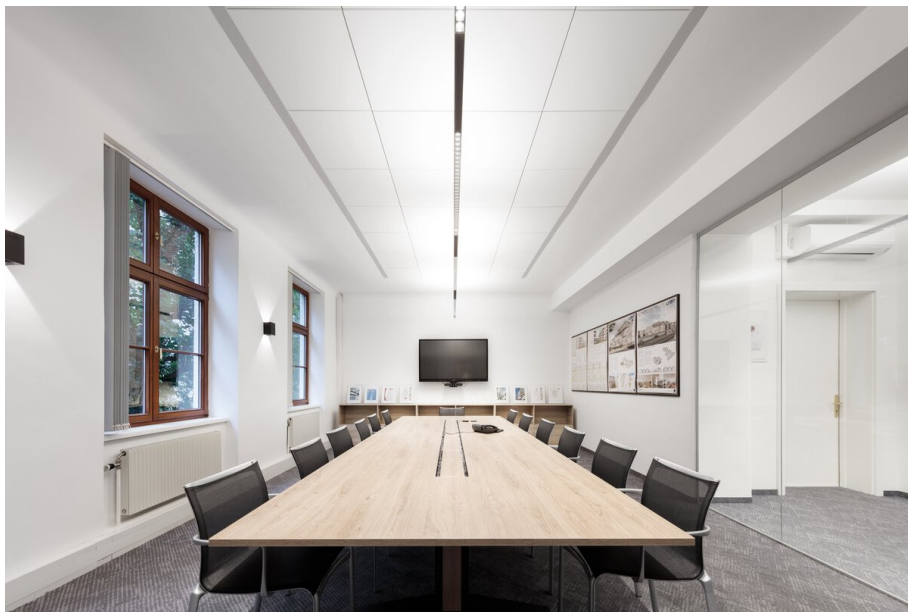
F+P Architekten

Lighting Design

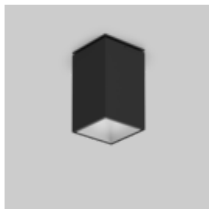
Ing. Gerald Pummer,
Illuminazione

Photographe

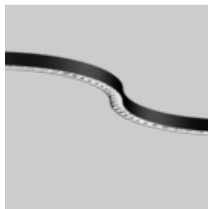
Kurt Kuball



Produits utilisés



**SASSO 100 square
ceiling**



**BETO ceiling /
suspended system**

