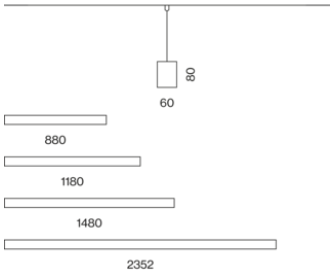


Quickinfo

3000 K, 4000 K, tunable white
2700 - 6500 K
CRI ≥ 80, CRI ≥ 90 / 3 SDCM (initial MacAdam)
UGR ≤ 19
hasta 2.710 lm/m
hasta 141 lm/W
L90 / 100000 h, L90 / 75000 h
Difusor: Microprismatic, Opal
DALI-2, non atenuable
IP20

Types



Colours

Distribución luminosa



MINO 60

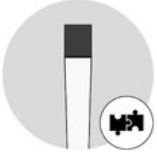
suspended

EN Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated; luminaire profile for mounting available in advance; remaining luminaire components mounted without tools; pendant fitting with cable suspension; with integrated toolless suspension height adjustment; spring clip attachment to the luminaire; freely positionable; incl. feeder cable; light inset consisting of highly reflective coated extruded profile for improved thermal management; opal cover for uniform illumination; micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; energy-efficient LEDs with very good colour rendering

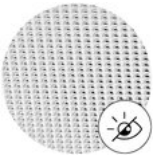
ES Cuerpo de perfil de aluminio con diseño angular; sin tornillos visibles; superficie con recubrimiento de pintura en polvo; perfil disponible para pre-montaje; resto de componentes luminosos montables sin herramienta; suspendido con cable; regulación de la altura sin necesitar herramientas; fijación en las lámparas por medio de enganches elásticos; ajustable de una manera sencilla; incl. cable de alimentación; elemento de luz formado por perfil extruido con acabado altamente reflectante para una gestión térmica mejorada; cubierta opal para iluminación homogénea; cubierta microprismática de PMMA con lámina difusora para la reducción de iluminancia y un alumbrado homogéneo; LEDS de alta eficiencia que proporcionan una alta reproducción cromática



DiiA® standards
251, 252, 253



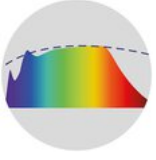
system solution



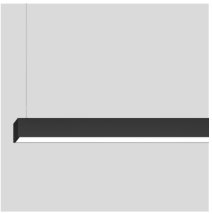
microprismatic
UGR ≤ 19



tunable white
2700 – 6500 K

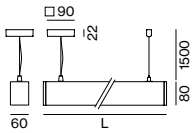


CRI ≥ 98
XPECTRUM
(optional)



MINO 60 suspended

TUNABLE WHITE | CRI ≥ 90 | UGR ≤ 19 | cd/m² ≤3000 | 220-240 V | DALI 1 ADDR. | X-PERT | X-PERT



OPAL | MID LUMEN non DIM

SYSTEM	LENGTH	COLOUR TEMP.	CRI ≥	LUM. FLUX	EFFICACY	ORDER CODE
10.3 W	880 mm	3000 K	80	1320 lm	128 lm/W	0 4 6 - 4 2 L 3 5 1 ◪ H
			90	1150 lm	112 lm/W	0 4 6 - 4 2 L 3 0 1 ◪ H
		4000 K	80	1400 lm	136 lm/W	0 4 6 - 4 2 L 3 6 1 ◪ H
			90	1150 lm	112 lm/W	0 4 6 - 4 2 L 3 1 1 ◪ H
13.3 W	1180 mm	3000 K	80	1760 lm	132 lm/W	0 4 6 - 4 2 L 4 5 1 ◪ H
			90	1530 lm	115 lm/W	0 4 6 - 4 2 L 4 0 1 ◪ H
		4000 K	80	1870 lm	141 lm/W	0 4 6 - 4 2 L 4 6 1 ◪ H
			90	1530 lm	115 lm/W	0 4 6 - 4 2 L 4 1 1 ◪ H
16.6 W	1480 mm	3000 K	80	2200 lm	133 lm/W	0 4 6 - 4 2 L 5 5 1 ◪ H
			90	1910 lm	115 lm/W	0 4 6 - 4 2 L 5 0 1 ◪ H
		4000 K	80	2340 lm	141 lm/W	0 4 6 - 4 2 L 5 6 1 ◪ H
			90	1910 lm	115 lm/W	0 4 6 - 4 2 L 5 1 1 ◪ H
26.6 W	2352 mm	3000 K	80	3520 lm	132 lm/W	0 4 6 - 4 2 L 8 5 1 ◪ H
			90	3060 lm	115 lm/W	0 4 6 - 4 2 L 8 0 1 ◪ H
		4000 K	80	3740 lm	141 lm/W	0 4 6 - 4 2 L 8 6 1 ◪ H
			90	3060 lm	115 lm/W	0 4 6 - 4 2 L 8 1 1 ◪ H

MICROPRISMATIC | MID LUMEN non DIM

SYSTEM	LENGTH	COLOUR TEMP.	CRI ≥	LUM. FLUX	EFFICACY	ORDER CODE
10.3 W	880 mm	3000 K	80	1150 lm	112 lm/W	0 4 6 - 4 2 L 3 5 1 ◪ ◘
			90	1000 lm	97 lm/W	0 4 6 - 4 2 L 3 0 1 ◪ ◘
		4000 K	80	1220 lm	118 lm/W	0 4 6 - 4 2 L 3 6 1 ◪ ◘
			90	999 lm	97 lm/W	0 4 6 - 4 2 L 3 1 1 ◪ ◘
13.3 W	1180 mm	3000 K	80	1530 lm	115 lm/W	0 4 6 - 4 2 L 4 5 1 ◪ ◘
			90	1330 lm	100 lm/W	0 4 6 - 4 2 L 4 0 1 ◪ ◘
		4000 K	80	1630 lm	123 lm/W	0 4 6 - 4 2 L 4 6 1 ◪ ◘
			90	1330 lm	100 lm/W	0 4 6 - 4 2 L 4 1 1 ◪ ◘
16.6 W	1480 mm	3000 K	80	1910 lm	115 lm/W	0 4 6 - 4 2 L 5 5 1 ◪ ◘
			90	1670 lm	101 lm/W	0 4 6 - 4 2 L 5 0 1 ◪ ◘
		4000 K	80	2040 lm	123 lm/W	0 4 6 - 4 2 L 5 6 1 ◪ ◘
			90	1670 lm	101 lm/W	0 4 6 - 4 2 L 5 1 1 ◪ ◘
26.6 W	2352 mm	3000 K	80	3060 lm	115 lm/W	0 4 6 - 4 2 L 8 5 1 ◪ ◘
			90	2670 lm	100 lm/W	0 4 6 - 4 2 L 8 0 1 ◪ ◘
		4000 K	80	3260 lm	123 lm/W	0 4 6 - 4 2 L 8 6 1 ◪ ◘
			90	2670 lm	100 lm/W	0 4 6 - 4 2 L 8 1 1 ◪ ◘

OPAL | HIGH LUMEN

SYSTEM	LENGTH	COLOUR TEMP.	CRI ≥	LUM. FLUX	EFFICACY	ORDER CODE
16.6 W	880 mm	tunable w.	80	2260 lm	136 lm/W	0 4 6 - 4 2 3 3 D 3 ◪ H
17.5 W	880 mm	3000 K	80	2220 lm	127 lm/W	0 4 6 - 4 2 M 3 5 ◆ ◪ H
			90	1930 lm	110 lm/W	0 4 6 - 4 2 M 3 0 ◆ ◪ H
		4000 K	80	2360 lm	135 lm/W	0 4 6 - 4 2 M 3 6 ◆ ◪ H
			90	1930 lm	110 lm/W	0 4 6 - 4 2 M 3 1 ◆ ◪ H
22.1 W	1180 mm	tunable w.	80	3010 lm	136 lm/W	0 4 6 - 4 2 3 4 D 3 ◪ H

Order options

CONTROL ◆		COLOUR ◪		COVER OPTION ◘	
non DIM	1	pure white RAL 9010	7	microprismatic (glare reduced)	G
DALI-2	3	jet black RAL 9005	8	microprismatic	Z
		white aluminium RAL 9006	G		

SYSTEM	LENGTH	COLOUR TEMP.	CRI ≥	LUM. FLUX	EFFICACY	ORDER CODE
23.3 W	1180 mm	3000 K	80	2960 lm	127 lm/W	0 4 6 - 4 2 M 4 5 ◆ ◪ H
			90	2570 lm	110 lm/W	0 4 6 - 4 2 M 4 0 ◆ ◪ H
		4000 K	80	3150 lm	135 lm/W	0 4 6 - 4 2 M 4 6 ◆ ◪ H
			90	2570 lm	110 lm/W	0 4 6 - 4 2 M 4 1 ◆ ◪ H
27.6 W	1480 mm	tunable w.	80	3760 lm	136 lm/W	0 4 6 - 4 2 3 5 D 3 ◪ H
29.1 W	1480 mm	3000 K	80	3690 lm	127 lm/W	0 4 6 - 4 2 M 5 5 ◆ ◪ H
			90	3220 lm	111 lm/W	0 4 6 - 4 2 M 5 0 ◆ ◪ H
		4000 K	80	3930 lm	135 lm/W	0 4 6 - 4 2 M 5 6 ◆ ◪ H
			90	3220 lm	111 lm/W	0 4 6 - 4 2 M 5 1 ◆ ◪ H
43.0 W	2352 mm	tunable w.	80	6020 lm	140 lm/W	0 4 6 - 4 2 3 8 D 3 ◪ H
45.0 W	2352 mm	3000 K	80	5910 lm	131 lm/W	0 4 6 - 4 2 M 8 5 ◆ ◪ H
			90	5150 lm	114 lm/W	0 4 6 - 4 2 M 8 0 ◆ ◪ H
		4000 K	80	6290 lm	140 lm/W	0 4 6 - 4 2 M 8 6 ◆ ◪ H
			90	5150 lm	114 lm/W	0 4 6 - 4 2 M 8 1 ◆ ◪ H

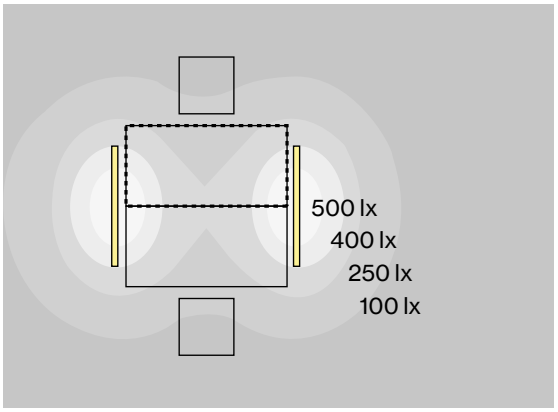
MICROPRISMATIC | HIGH LUMEN

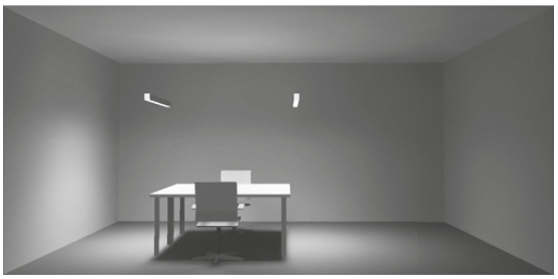
SYSTEM	LENGTH	COLOUR TEMP.	CRI ≥	LUM. FLUX	EFFICACY	ORDER CODE
16.6 W	880 mm	tunable w.	80	1970 lm	119 lm/W	0 4 6 - 4 2 3 3 D 3 ◪ ◘
17.5 W	880 mm	3000 K	80	1930 lm	110 lm/W	0 4 6 - 4 2 M 3 5 ◆ ◪ ◘
			90	1680 lm	96 lm/W	0 4 6 - 4 2 M 3 0 ◆ ◪ ◘
		4000 K	80	2050 lm	117 lm/W	0 4 6 - 4 2 M 3 6 ◆ ◪ ◘
			90	1680 lm	96 lm/W	0 4 6 - 4 2 M 3 1 ◆ ◪ ◘
22.1 W	1180 mm	tunable w.	80	2620 lm	119 lm/W	0 4 6 - 4 2 3 4 D 3 ◪ ◘
23.3 W	1180 mm	3000 K	80	2570 lm	110 lm/W	0 4 6 - 4 2 M 4 5 ◆ ◪ ◘
			90	2240 lm	96 lm/W	0 4 6 - 4 2 M 4 0 ◆ ◪ ◘
		4000 K	80	2740 lm	118 lm/W	0 4 6 - 4 2 M 4 6 ◆ ◪ ◘
			90	2240 lm	96 lm/W	0 4 6 - 4 2 M 4 1 ◆ ◪ ◘
27.6 W	1480 mm	tunable w.	80	3280 lm	119 lm/W	0 4 6 - 4 2 3 5 D 3 ◪ ◘
29.1 W	1480 mm	3000 K	80	3210 lm	110 lm/W	0 4 6 - 4 2 M 5 5 ◆ ◪ ◘
			90	2800 lm	96 lm/W	0 4 6 - 4 2 M 5 0 ◆ ◪ ◘
		4000 K	80	3420 lm	118 lm/W	0 4 6 - 4 2 M 5 6 ◆ ◪ ◘
			90	2800 lm	96 lm/W	0 4 6 - 4 2 M 5 1 ◆ ◪ ◘
43.0 W	2352 mm	tunable w.	80	5240 lm	122 lm/W	0 4 6 - 4 2 3 8 D 3 ◪ ◘
45.0 W	2352 mm	3000 K	80	5140 lm	114 lm/W	0 4 6 - 4 2 M 8 5 ◆ ◪ ◘
			90	4480 lm	100 lm/W	0 4 6 - 4 2 M 8 0 ◆ ◪ ◘
		4000 K	80	5480 lm	122 lm/W	0 4 6 - 4 2 M 8 6 ◆ ◪ ◘
			90	4480 lm	100 lm/W	0 4 6 - 4 2 M 8 1 ◆ ◪ ◘

Order options

CONTROL ◆		COLOUR ◪		COVER OPTION ◘	
non DIM	1	pure white RAL 9010	7	microprismatic (glare reduced)	G
DALI-2	3	jet black RAL 9005	8	microprismatic	Z
		white aluminium RAL 9006	G		

Planning Information





MINO 60 suspended, 15.3 W, 4000 K, direct

ROOM VALUES

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

CALCULATION SURFACE ·····

Surface dimensions	1.6 × 0.8 m
Surface height	0.75 m
Average illuminance (E_m)	> 500 lx
Uniformity (U_0)	> 0.6

GLARE EVALUATION

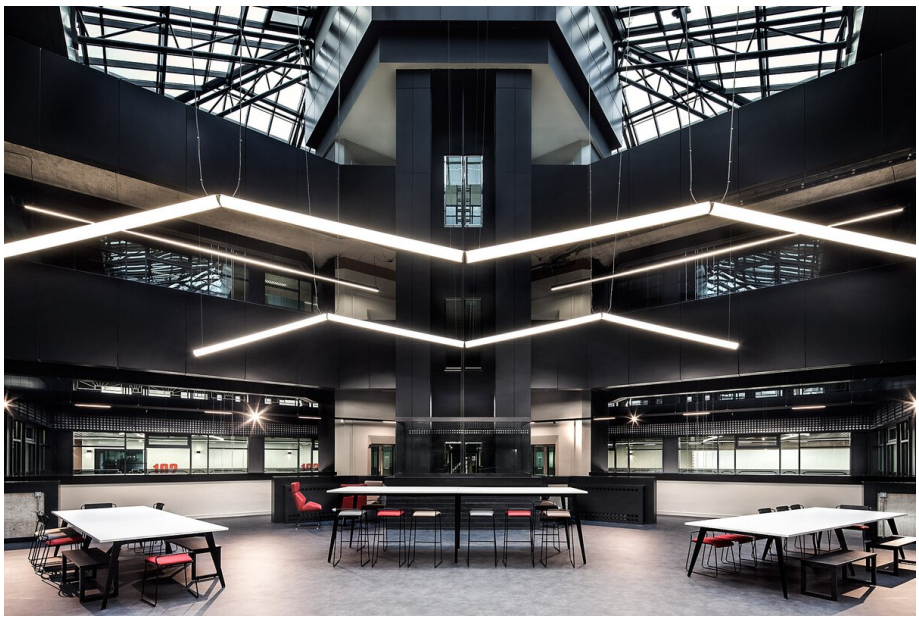
Table Classification	X=4H | Y=8H | S=0.25H
UGR transversal	≤ 19
UGR axial	≤ 19

University Academy 92, Manchester

Reino Unido

Arquitecto
BDP Architecture

Fotografía
David Barbour



Productos utilizados



MINO 60 suspended



MOVE IT 25 surface / suspended system



OPAL MOVE IT 25



JUST 55 MOVE IT 25 / 25 S / 45

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MINO 60 suspended



MINO 60 CURVE ceiling / suspended system



MINO 60 ceiling / suspended system

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