

MINO 60

suspended

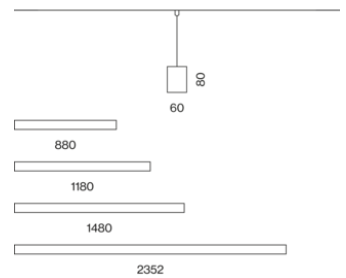
^{EN} Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated; luminaire profile for mounting available in advance; remaining luminaire components mounted without tools; pendant fitting with cable suspension; with integrated toolless suspension height 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; HPO (High Performance 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

^{IT} Corpo illuminante in profilo di alluminio estruso, modello squadrato; nessuna vite visibile; verniciatura a polvere; profilo consegnabile in anticipo; restanti componenti montabili senza utensili; 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; unità d'illuminazione in profilo di alluminio estruso con verniciatura altamente riflettente per gestione termica migliorata; diffusore HPO (High Performance Opal) per un'illuminazione omogenea; rifrattore in PMMA a microprismi incl. pellicola di diffusione per ridurre la luminanza mantenendo l'illuminazione omogenea; 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 ≤ 19
 fino a 2,710 lm/m
 fino a 141 lm/W
 L90 / 100000 h, L90 / 50000 h,
 L90 / 75000 h
 DALI-2, non DIM
 High Performance Opal,
 Microprismatic
 IP20

Types



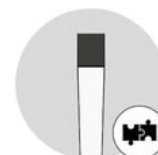
Colore



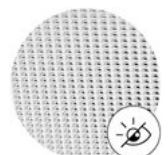
Distribuzione della luce



DiiA® standards
 251, 252, 253



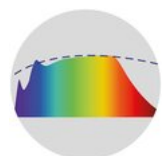
system solution



microprismatic
 UGR ≤ 19



tunable white
 2700 - 6500 K



CRI ≥ 98
 XPECTRUM
 (optional)

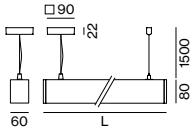


MINO 60 suspended



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 <input checked="" type="checkbox"/> H
			90	1150 lm	112 lm/W	0 4 6 - 4 2 L 3 0 1 <input checked="" type="checkbox"/> H
		4000 K	80	1400 lm	136 lm/W	0 4 6 - 4 2 L 3 6 1 <input checked="" type="checkbox"/> H
			90	1150 lm	112 lm/W	0 4 6 - 4 2 L 3 1 1 <input checked="" type="checkbox"/> H
13.3 W	1180 mm	3000 K	80	1760 lm	132 lm/W	0 4 6 - 4 2 L 4 5 1 <input checked="" type="checkbox"/> H
			90	1530 lm	115 lm/W	0 4 6 - 4 2 L 4 0 1 <input checked="" type="checkbox"/> H
		4000 K	80	1870 lm	141 lm/W	0 4 6 - 4 2 L 4 6 1 <input checked="" type="checkbox"/> H
			90	1530 lm	115 lm/W	0 4 6 - 4 2 L 4 1 1 <input checked="" type="checkbox"/> H
16.6 W	1480 mm	3000 K	80	2200 lm	133 lm/W	0 4 6 - 4 2 L 5 5 1 <input checked="" type="checkbox"/> H
			90	1910 lm	115 lm/W	0 4 6 - 4 2 L 5 0 1 <input checked="" type="checkbox"/> H
		4000 K	80	2340 lm	141 lm/W	0 4 6 - 4 2 L 5 6 1 <input checked="" type="checkbox"/> H
			90	1910 lm	115 lm/W	0 4 6 - 4 2 L 5 1 1 <input checked="" type="checkbox"/> H
26.6 W	2352 mm	3000 K	80	3520 lm	132 lm/W	0 4 6 - 4 2 L 8 5 1 <input checked="" type="checkbox"/> H
			90	3060 lm	115 lm/W	0 4 6 - 4 2 L 8 0 1 <input checked="" type="checkbox"/> H
		4000 K	80	3740 lm	141 lm/W	0 4 6 - 4 2 L 8 6 1 <input checked="" type="checkbox"/> H
			90	3060 lm	115 lm/W	0 4 6 - 4 2 L 8 1 1 <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> <input type="checkbox"/>
			90	1000 lm	97 lm/W	0 4 6 - 4 2 L 3 0 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
		4000 K	80	1220 lm	118 lm/W	0 4 6 - 4 2 L 3 6 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
			90	999 lm	97 lm/W	0 4 6 - 4 2 L 3 1 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
13.3 W	1180 mm	3000 K	80	1530 lm	115 lm/W	0 4 6 - 4 2 L 4 5 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
			90	1330 lm	100 lm/W	0 4 6 - 4 2 L 4 0 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
		4000 K	80	1630 lm	123 lm/W	0 4 6 - 4 2 L 4 6 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
			90	1330 lm	100 lm/W	0 4 6 - 4 2 L 4 1 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
16.6 W	1480 mm	3000 K	80	1910 lm	115 lm/W	0 4 6 - 4 2 L 5 5 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
			90	1670 lm	101 lm/W	0 4 6 - 4 2 L 5 0 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
		4000 K	80	2040 lm	123 lm/W	0 4 6 - 4 2 L 5 6 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
			90	1670 lm	101 lm/W	0 4 6 - 4 2 L 5 1 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
26.6 W	2352 mm	3000 K	80	3060 lm	115 lm/W	0 4 6 - 4 2 L 8 5 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
			90	2670 lm	100 lm/W	0 4 6 - 4 2 L 8 0 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
		4000 K	80	3260 lm	123 lm/W	0 4 6 - 4 2 L 8 6 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
			90	2670 lm	100 lm/W	0 4 6 - 4 2 L 8 1 1 <input checked="" type="checkbox"/> <input type="checkbox"/>

Order options

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

OPAL | HIGH LUMEN

SYSTEM	LENGTH	COLOUR TEMP.	CRI ≥	LUM. FLUX	EFFICACY	ORDER CODE
17.5 W	880 mm	3000 K	80	2220 lm	127 lm/W	0 4 6 - 4 2 M 3 5 <input checked="" type="checkbox"/> <input type="checkbox"/> H
			90	1930 lm	110 lm/W	0 4 6 - 4 2 M 3 0 <input checked="" type="checkbox"/> <input type="checkbox"/> H
		4000 K	80	2360 lm	135 lm/W	0 4 6 - 4 2 M 3 6 <input checked="" type="checkbox"/> <input type="checkbox"/> H
			90	1930 lm	110 lm/W	0 4 6 - 4 2 M 3 1 <input checked="" type="checkbox"/> <input type="checkbox"/> H
19.0 W	880 mm	tunable w.	80	2260 lm	119 lm/W	0 4 6 - 4 2 3 3 D 3 <input checked="" type="checkbox"/> <input type="checkbox"/> H
23.3 W	1180 mm	3000 K	80	2960 lm	127 lm/W	0 4 6 - 4 2 M 4 5 <input checked="" type="checkbox"/> <input type="checkbox"/> H
			90	2570 lm	110 lm/W	0 4 6 - 4 2 M 4 0 <input checked="" type="checkbox"/> <input type="checkbox"/> H
		4000 K	80	3150 lm	135 lm/W	0 4 6 - 4 2 M 4 6 <input checked="" type="checkbox"/> <input type="checkbox"/> H
			90	2570 lm	110 lm/W	0 4 6 - 4 2 M 4 1 <input checked="" type="checkbox"/> <input type="checkbox"/> H
25.3 W	1180 mm	tunable w.	80	3010 lm	119 lm/W	0 4 6 - 4 2 3 4 D 3 <input checked="" type="checkbox"/> <input type="checkbox"/> H
29.1 W	1480 mm	3000 K	80	3690 lm	127 lm/W	0 4 6 - 4 2 M 5 5 <input checked="" type="checkbox"/> <input type="checkbox"/> H
			90	3220 lm	111 lm/W	0 4 6 - 4 2 M 5 0 <input checked="" type="checkbox"/> <input type="checkbox"/> H
		4000 K	80	3930 lm	135 lm/W	0 4 6 - 4 2 M 5 6 <input checked="" type="checkbox"/> <input type="checkbox"/> H
			90	3220 lm	111 lm/W	0 4 6 - 4 2 M 5 1 <input checked="" type="checkbox"/> <input type="checkbox"/> H
31.0 W	1480 mm	tunable w.	80	3760 lm	121 lm/W	0 4 6 - 4 2 3 5 D 3 <input checked="" type="checkbox"/> <input type="checkbox"/> H
45.0 W	2352 mm	3000 K	80	5910 lm	131 lm/W	0 4 6 - 4 2 M 8 5 <input checked="" type="checkbox"/> <input type="checkbox"/> H
			90	5150 lm	114 lm/W	0 4 6 - 4 2 M 8 0 <input checked="" type="checkbox"/> <input type="checkbox"/> H
		4000 K	80	6290 lm	140 lm/W	0 4 6 - 4 2 M 8 6 <input checked="" type="checkbox"/> <input type="checkbox"/> H
			90	5150 lm	114 lm/W	0 4 6 - 4 2 M 8 1 <input checked="" type="checkbox"/> <input type="checkbox"/> H
49.0 W	2352 mm	tunable w.	80	6020 lm	123 lm/W	0 4 6 - 4 2 3 8 D 3 <input checked="" type="checkbox"/> <input type="checkbox"/> H

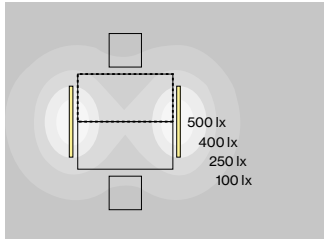
MICROPRISMATIC | HIGH LUMEN

SYSTEM	LENGTH	COLOUR TEMP.	CRI ≥	LUM. FLUX	EFFICACY	ORDER CODE
17.5 W	880 mm	3000 K	80	1930 lm	110 lm/W	0 4 6 - 4 2 M 3 5 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
			90	1680 lm	96 lm/W	0 4 6 - 4 2 M 3 0 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
		4000 K	80	2050 lm	117 lm/W	0 4 6 - 4 2 M 3 6 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
			90	1680 lm	96 lm/W	0 4 6 - 4 2 M 3 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
19.0 W	880 mm	tunable w.	80	1960 lm	103 lm/W	0 4 6 - 4 2 3 3 D 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
23.3 W	1180 mm	3000 K	80	2570 lm	110 lm/W	0 4 6 - 4 2 M 4 5 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
			90	2240 lm	96 lm/W	0 4 6 - 4 2 M 4 0 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
		4000 K	80	2740 lm	118 lm/W	0 4 6 - 4 2 M 4 6 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
			90	2240 lm	96 lm/W	0 4 6 - 4 2 M 4 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
25.3 W	1180 mm	tunable w.	80	2620 lm	104 lm/W	0 4 6 - 4 2 3 4 D 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
29.1 W	1480 mm	3000 K	80	3210 lm	110 lm/W	0 4 6 - 4 2 M 5 5 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
			90	2800 lm	96 lm/W	0 4 6 - 4 2 M 5 0 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
		4000 K	80	3420 lm	118 lm/W	0 4 6 - 4 2 M 5 6 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
			90	2800 lm	96 lm/W	0 4 6 - 4 2 M 5 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
31.0 W	1480 mm	tunable w.	80	3270 lm	105 lm/W	0 4 6 - 4 2 3 5 D 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
45.0 W	2352 mm	3000 K	80	5140 lm	114 lm/W	0 4 6 - 4 2 M 8 5 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
			90	4480 lm	100 lm/W	0 4 6 - 4 2 M 8 0 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
		4000 K	80	5480 lm	122 lm/W	0 4 6 - 4 2 M 8 6 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
			90	4480 lm	100 lm/W	0 4 6 - 4 2 M 8 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H
49.0 W	2352 mm	tunable w.	80	5240 lm	107 lm/W	0 4 6 - 4 2 3 8 D 3 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H

Order options

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

Planning Information



MINO 60 suspended, 15.3W,
4000 K, direct

ROOM VALUES

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

CALCULATION SURFACE

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

GLARE EVALUATION

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



University Academy 92, Manchester

Regno Unito

Architetto
BDP Architecture

Fotografo
David Barbour



Prodotti utilizzati



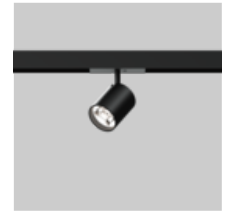
**OPAL HIGH
PERFORMANCE
MOVE IT 25**



MINO 60 suspended



**MOVE IT 25 surface /
suspended system**



**JUST 55 MOVE IT
25 / 25 S / 45**







Office IPAI, Heilbronn

Germania

Architetto
Süd.Com GmbH

Fotografo
Süd.Com GmbH



Prodotti utilizzati



**MINO 60 ceiling /
suspended system**



**MINO 60 CURVE
ceiling / suspended
system**



MINO 60 suspended







