



## 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 components mounted without tools; pendant fitting with cable suspension; with integrated tool-less suspension height adjustment; spring clip attachment to the luminaire; freely positionable; with 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-eff. LEDs – 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; los demás componentes se pueden montar sin herramientas; 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; difusor opal de alta calidad que proporciona una iluminación uniforme; cubierta microprismática de PMMA con lámina difusora para la reducción de iluminancia y un alumbrado homogéneo; LED energét. efíc. – excelente reprod. crom.

### Quickinfo

3000 K, 4000 K; TW  
 CRI  $\geq$  80, CRI  $\geq$  90, 3 SDCM  
 up to 135 lm/W  
 L90 @ 50 000 h  
 non DIM, DALI-2  
 opal, microprismatic (UGR  $\leq$  19)

### Types

suspended



### Colours



### Light distribution

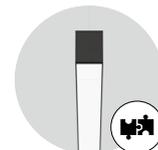


direct

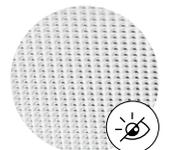


Data Monitoring

DiiA® standards  
 251, 252, 253



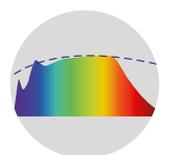
system solution



microprismatic  
 UGR  $\leq$  19



tunable white  
 2700–6500 K



CRI  $\geq$  98  
 XPECTRUM

## Order options

### COLOUR TEMPERATURE

3000 K (CRI $\geq$ 90)	0
4000 K (CRI $\geq$ 90)	1
3000 K (CRI $\geq$ 80)	5
4000 K (CRI $\geq$ 80)	6
tunable white 2700–6500 K*	6

\*DALI-2 DT8

### CONTROL

non DIM	1
DALI-2	3

### MATERIAL COLOUR

<input type="radio"/> pure white RAL 9010	7
<input checked="" type="radio"/> white aluminium RAL 9006	G
<input type="radio"/> jet black RAL 9005	8

### LIGHT OPTIC COVER

opal high performance	H
microprismatic	Z
microprismatic (UGR $\leq$ 19)*	G

\*UGR $\leq$ 19 only with mid lumen

## Options on request

### COLOUR RENDERING INDEX

CRI $\geq$ 98 XPECTRUM

### INDIVIDUAL MATERIAL COLOUR

MINO 60 suspended system



## MINO 60 suspended



### MID LUMEN

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
10.3W	3000K	1230lm	880	0 4 6 - 4 2 L 3 :: 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
	4000K	1400lm		
13.3W	3000K	1640lm	1180	0 4 6 - 4 2 L 4 :: 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
	4000K	1870lm		
16.6W	3000K	2060lm	1480	0 4 6 - 4 2 L 5 :: 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
	4000K	2340lm		
26.6W	3000K	3290lm	2352	0 4 6 - 4 2 L 8 :: 1 <input checked="" type="checkbox"/> <input type="checkbox"/>
	4000K	3740lm		

### HIGH LUMEN

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
17.5W	3000K	2070lm	880	0 4 6 - 4 2 M 3 :: <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
	4000K	2360lm		
23.3W	3000K	2760lm	1180	0 4 6 - 4 2 M 4 :: <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
	4000K	3150lm		
29.1W	3000K	3460lm	1480	0 4 6 - 4 2 M 5 :: <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
	4000K	3930lm		
45W	3000K	5530lm	2352	0 4 6 - 4 2 M 8 :: <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
	4000K	6290lm		

### TUNABLE WHITE

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
19W	2700–6500K	2260lm	880	0 4 6 - 4 2 3 3 D 3 <input checked="" type="checkbox"/> <input type="checkbox"/>
25.3W	2700–6500K	3010lm	1180	0 4 6 - 4 2 3 4 D 3 <input checked="" type="checkbox"/> <input type="checkbox"/>
31W	2700–6500K	3760lm	1480	0 4 6 - 4 2 3 5 D 3 <input checked="" type="checkbox"/> <input type="checkbox"/>
49W	2700–6500K	6020lm	2352	0 4 6 - 4 2 3 8 D 3 <input checked="" type="checkbox"/> <input type="checkbox"/>

## Technical data



**MINO 60** suspended, 13.3W, 4000K, 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 <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0,6

### GLARE EVALUATION

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



**LUMINOUS FLUX** value calculated for  
CRI $\geq$ 80, colour white, cover opal  
microprism. Z -13%, microprism. G -15%