



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

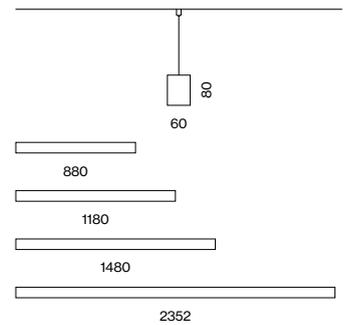
DE Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; keine sichtbaren Schrauben; Oberfläche pulverbeschichtet; Leuchtenprofil für Montage vorab lieferbar; restl. Komponenten werkzeuglos montierbar; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; Befestigung an der Leuchte mittels Federclips; frei positionierbar; inkl. Einspeiseleitung; Lichteinsatz bestehend aus hochreflektierend lackiertem Strangpressprofil für verbessertes Thermomanagement; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; mikrop Prismatische PMMA-Abdeckung inkl. Diffusorfolie zur Reduktion der Leuchtdichte bei homogener Ausleuchtung; energieeff. LEDs – sehr gute Farbwiedergabe

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

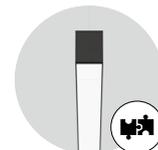


direct

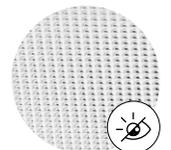


Data Monitoring

DiiA® standards
 251, 252, 253



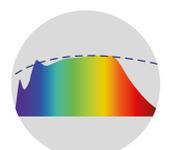
system
 solution



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

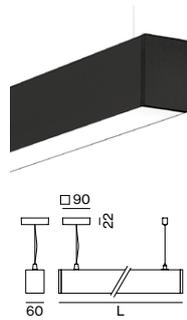
Options on request

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		

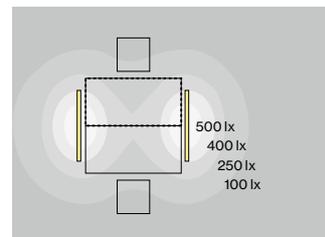
HIGH LUMEN

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"/> <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"/> <input type="checkbox"/>
31W	2700–6500K	3760lm	1480	0 4 6 - 4 2 3 5 D 3 <input checked="" type="checkbox"/> <input 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"/> <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 _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



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