



## MINO 60 direct/indirect system

suspended

**EN** Luminaire housing from extruded aluminium profile, angular design; direct/indirect light distribution; no visible screws; designed for continuous lighting systems; surface powder coated; pendant fitting with cable suspension; with integrated tool-less suspension height adjustment; spring clip attachment to the luminaire; freely positionable; incl. feed; 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

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; direkt / indirekte Abstrahlcharakteristik; keine sichtbaren Schrauben; ausgelegt für durchgehende Lichtsysteme; Oberfläche pulverbeschichtet; 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; mikroprismatische PMMA-Abdeckung inkl. Diffusorfolie zur Reduktion der Leuchtdichte bei homogener Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000 K, 4000 K  
 CRI ≥ 80, 3 SDCM  
 up to ↓ 2700 / ↑ 2400 lm/m  
 up to 159 lm/W  
 L90 @ 50 000 h  
 non DIM, DALI-2  
 opal, microprismatic (UGR ≤ 19)

### Types

suspended



### Colours



### Light distributions



Diia® standards  
 251, 252, 253



microprismatic  
 UGR ≤ 19



CRI ≥ 98  
 XPECTRUM

### Order options

<b>LED TYPE</b>	
mid lumen	1
high lumen	2

<b>COLOUR TEMPERATURE</b>	
3000K	5
4000K	6

<b>CONTROL</b>	
non DIM	1
DALI-2 (only high lumen)	3

<b>MATERIAL COLOUR</b>	
<input type="radio"/> pure white RAL 9010	7
<input type="radio"/> white aluminium RAL 9006	G
<input type="radio"/> jet black RAL 9005	8
<input type="radio"/> special colours	X

<b>LIGHT OPTIC COVER</b>	
opal high performance	H
microprismatic (UGR ≤ 19)	Z

### Options on request

<b>COLOUR RENDERING INDEX</b>
CRI ≥ 90
CRI ≥ 98 XPECTRUM

<b>CHANNEL LENGTH</b>
3000 mm

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INSTALLATION CHANNEL + LIGHT INSET + LIGHT OPTIC COVER		
SYSTEM POWER (MID/HIGH LUMEN)	L (mm)	ORDER CODE
17.9W/26.2W	872	0 4 6 - 5 0 3
23.8W/34W	1172	0 4 6 - 5 0 4
29.1W/43W	1464	0 4 6 - 5 0 5
34W/53W	1756	0 4 6 - 5 0 6
46W/70W	2344	0 4 6 - 5 0 8
23.8W corner /mid lumen	625x625	0 4 6 - 5 0 5 1
34W corner /high lumen	625x625	0 4 6 - 5 0 6 1

COVER	COLOUR TEMP.	SYSTEM POWER	DIRECT LUMENS	INDIRECT LUMENS	EFFICACY
mid lumen/	3000K	20W/m	1680lm/m	970lm/m	132lm/W
opal high p.	4000K		1920lm/m	1120lm/m	149lm/W
high lumen/	3000K	29W/m	2360lm/m	1440lm/m	130lm/W
opal high p.	4000K		2680lm/m	1640lm/m	149lm/W

### BLIND CHANNEL / BLIND COVER

blind channel	custom	E 8 5 0 3 1
blind cover	custom	E 8 0 6 3 0

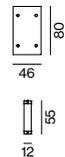
### Accessories

#### END CAPS



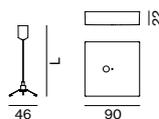
<b>TYPE</b>	<b>ORDER CODE</b>
end caps (pair)	0 4 6 - 5 0 1 0 0 1

#### LINEAR CONNECTOR



<b>TYPE</b>	<b>ORDER CODE</b>
linear connector (1 piece)	0 0 5 - 4 0 0 4 6
linear connector (10 pieces)	0 0 5 - 4 0 0 4 6 . 1 0
opal cover linear connector	0 0 6 - 1 4 0 0 0

#### CABLE SUSPENSION / CANOPY



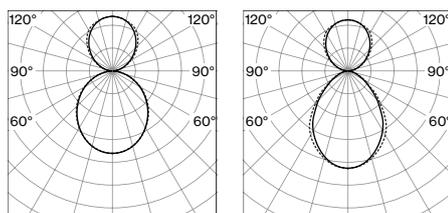
<b>TYPE</b>	<b>L (mm)</b>	<b>ORDER CODE</b>
cable suspension	1500	0 0 5 - 2 1 2 2 1 1 0
canopy/feeder cable 3 × 1.5 mm <sup>2</sup>	1500	0 0 5 - 2 2 1 2 3 1
canopy/feeder cable 5 × 1.5 mm <sup>2</sup>	1500	0 0 5 - 2 2 1 2 4 1
cable rail	1200	0 0 5 - 2 4 9 1 1 1 0

for electrical system configuration see luminaire data sheet at xal.com

#### THROUGH WIRE

<b>TYPE</b>	<b>ORDER CODE</b>
3 × 1.5 mm <sup>2</sup> (non DIM, 10 pieces)	0 0 4 - 9 0 0 0 3
5 × 1.5 mm <sup>2</sup> (DALI-2, 10 pieces)	0 0 4 - 9 0 0 0 5

### Light distributions



opal  
direct/indirect

microprismatic  
direct/indirect

**LUMINOUS FLUX** value calculated for  
CRI ≥ 80, colour white, cover opal  
microprismatic -13%