



## 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



Dii® standards  
251, 252, 253



microprismatic  
UGR ≤ 19



CRI ≥ 98  
XPECTRUM

### Order options

LED TYPE	
mid lumen	1
high lumen	2

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DALI-2 (only high lumen)	3

MATERIAL COLOUR	
<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

LIGHT OPTIC COVER	
opal high performance	H
microprismatic (UGR ≤ 19)	Z

### Options on request

COLOUR RENDERING INDEX	
CRI ≥ 90	
CRI ≥ 98 XPECTRUM	

CHANNEL LENGTH	
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	046-5013
23.8W/34W	1172	046-5014
29.1W/43W	1464	046-5015
34W/53W	1756	046-5016
46W/70W	2344	046-5018
23.8W corner /mid lumen	625x625	046-5051
34W corner /high lumen	625x625	046-5061

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	E85031
blind cover	custom	E80630

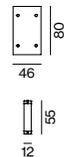
### Accessories

#### END CAPS



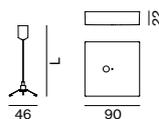
TYPE	ORDER CODE
end caps (pair)	046-501001

#### LINEAR CONNECTOR



TYPE	ORDER CODE
linear connector (1 piece)	005-40046
linear connector (10 pieces)	005-40046.10
opal cover linear connector	006-14000

#### CABLE SUSPENSION / CANOPY



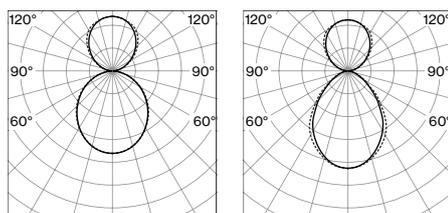
TYPE	L (mm)	ORDER CODE
cable suspension	1500	005-2122110
canopy/feeder cable 3 × 1.5 mm <sup>2</sup>	1500	005-221231
canopy/feeder cable 5 × 1.5 mm <sup>2</sup>	1500	005-221241
cable rail	1200	005-2491110

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

#### THROUGH WIRE

TYPE	ORDER CODE
3 × 1.5 mm <sup>2</sup> (non DIM, 10 pieces)	004-90003
5 × 1.5 mm <sup>2</sup> (DALI-2, 10 pieces)	004-90005

### Light distributions



opal  
direct/indirect

microprismatic  
direct/indirect

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