



## 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

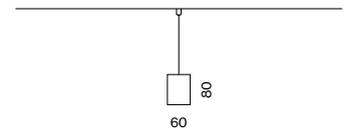
**ES** Cuerpo de perfil de aluminio con diseño angular; característica de emisión directa/indirecta; sin tornillos visibles; diseñado para la creación de sistemas continuos; superficie con recubrimiento de pintura en polvo; suspendido con cable; regulación de la altura sin necesitar herramientas; fijación en las lámparas por medio de enganches elásticos; ajustable de una manera sencilla; incluido 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; LEDS de alta eficiencia que proporcionan una alta reproducción cromática

### Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 up to ↓ 2700 / ↑ 2400lm/m  
 up to 159 lm/W  
 L90 @ 50 000h  
 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	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

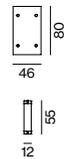
### Accessories

#### END CAPS



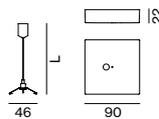
<b>TYPE</b>	<b>ORDER CODE</b>
end caps (pair)	046-501001

#### LINEAR CONNECTOR



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

#### CABLE SUSPENSION / CANOPY



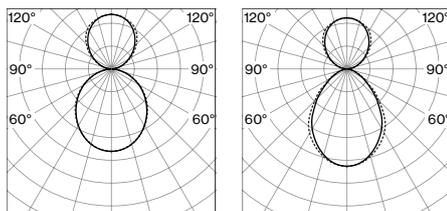
<b>TYPE</b>	<b>L (mm)</b>	<b>ORDER CODE</b>
cable suspension	1500	005-2122110
canopy/feeder cable 3 × 1.5 mm <sup>2</sup>	1500	005-221231
canopy/feeder cable 5 × 1.5 mm <sup>2</sup>	1500	005-221241
cable rail	1200	005-2491110

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

#### THROUGH WIRE

<b>TYPE</b>	<b>ORDER CODE</b>
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%