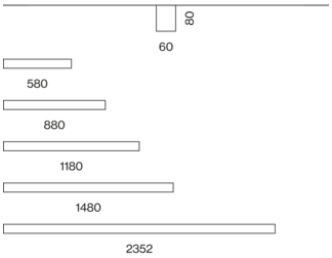


## Quickinfo

3000 K, 4000 K, tunable white
2700 - 6500 K
CRI ≥ 80, CRI ≥ 90 / 3 SDCM (initial MacAdam)
UGR ≤ 19
hasta 2.750 lm/m
hasta 141 lm/W
L90 / 100000 h, L90 / 75000 h
Difusor: Microprismatic, Opal
DALI-2, non atenuable
IP20

### Types



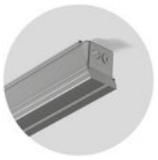

### Colours

### Distribución luminosa

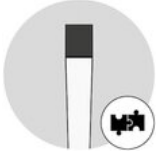




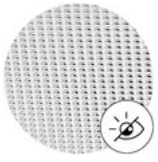

DiiA® standards
251, 252, 253



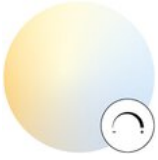
concrete
installation
housing



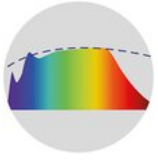
system solution



microprismatic
UGR ≤ 19



tunable white
2700 – 6500 K



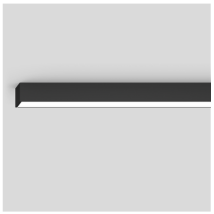
CRI ≥ 98
XPECTRUM
(optional)

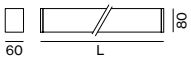
# MINO 60

surface

EN Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated; luminaire profile for mounting available in advance; remaining luminaire components mounted without tools; light inset consisting of highly reflective coated extruded profile for improved thermal management; 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; sin tornillos visibles; superficie con recubrimiento de pintura en polvo; perfil disponible para pre-montaje; resto de componentes luminosos montables sin herramienta; elemento de luz formado por perfil extruido con acabado altamente reflectante para una gestión térmica mejorada; cubierta opal para iluminación homogénea; 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






## **MINO 60** surface

TUNABLE WHITE | CRI ≥ 90 | UGR ≤ 19 | cd/m² ≤3000 | 220-240 V | 1 ADDR. | X-PERT | X-PERT

### OPAL | MID LUMEN non DIM

| SYSTEM | LENGTH | COLOUR TEMP. | CRI ≥ | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|---|---|
| 6.9 W | 580 mm | 3000 K | 80 | 879 lm | 127 lm/W | 0 4 6 - 4 1 L 2 5 1 ◪ H |
| | | | 90 | 766 lm | 111 lm/W | 0 4 6 - 4 1 L 2 0 1 ◪ H |
| | | 4000 K | 80 | 936 lm | 136 lm/W | 0 4 6 - 4 1 L 2 6 1 ◪ H |
| | | | 90 | 766 lm | 111 lm/W | 0 4 6 - 4 1 L 2 1 1 ◪ H |
| 10.3 W | 880 mm | 3000 K | 80 | 1320 lm | 128 lm/W | 0 4 6 - 4 1 L 3 5 1 ◪ H |
| | | | 90 | 1150 lm | 112 lm/W | 0 4 6 - 4 1 L 3 0 1 ◪ H |
| | | 4000 K | 80 | 1400 lm | 136 lm/W | 0 4 6 - 4 1 L 3 6 1 ◪ H |
| | | | 90 | 1150 lm | 112 lm/W | 0 4 6 - 4 1 L 3 1 1 ◪ H |
| 13.3 W | 1180 mm | 3000 K | 80 | 1760 lm | 132 lm/W | 0 4 6 - 4 1 L 4 5 1 ◪ H |
| | | | 90 | 1530 lm | 115 lm/W | 0 4 6 - 4 1 L 4 0 1 ◪ H |
| | | 4000 K | 80 | 1870 lm | 141 lm/W | 0 4 6 - 4 1 L 4 6 1 ◪ H |
| | | | 90 | 1530 lm | 115 lm/W | 0 4 6 - 4 1 L 4 1 1 ◪ H |
| 16.6 W | 1480 mm | 3000 K | 80 | 2200 lm | 133 lm/W | 0 4 6 - 4 1 L 5 5 1 ◪ H |
| | | | 90 | 1910 lm | 115 lm/W | 0 4 6 - 4 1 L 5 0 1 ◪ H |
| | | 4000 K | 80 | 2340 lm | 141 lm/W | 0 4 6 - 4 1 L 5 6 1 ◪ H |
| | | | 90 | 1910 lm | 115 lm/W | 0 4 6 - 4 1 L 5 1 1 ◪ H |
| 26.6 W | 2352 mm | 3000 K | 80 | 3520 lm | 132 lm/W | 0 4 6 - 4 1 L 8 5 1 ◪ H |
| | | | 90 | 3060 lm | 115 lm/W | 0 4 6 - 4 1 L 8 0 1 ◪ H |
| | | 4000 K | 80 | 3740 lm | 141 lm/W | 0 4 6 - 4 1 L 8 6 1 ◪ H |
| | | | 90 | 3060 lm | 115 lm/W | 0 4 6 - 4 1 L 8 1 1 ◪ H |

### MICROPRISMATIC | MID LUMEN non DIM

| SYSTEM | LENGTH | COLOUR TEMP. | CRI ≥ | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|---|---|
| 6.9 W | 580 mm | 3000 K | 80 | 765 lm | 111 lm/W | 0 4 6 - 4 1 L 2 5 1 ◪ ◘ |
| | | | 90 | 666 lm | 97 lm/W | 0 4 6 - 4 1 L 2 0 1 ◪ ◘ |
| | | 4000 K | 80 | 814 lm | 118 lm/W | 0 4 6 - 4 1 L 2 6 1 ◪ ◘ |
| | | | 90 | 666 lm | 97 lm/W | 0 4 6 - 4 1 L 2 1 1 ◪ ◘ |
| 10.3 W | 880 mm | 3000 K | 80 | 1150 lm | 112 lm/W | 0 4 6 - 4 1 L 3 5 1 ◪ ◘ |
| | | | 90 | 1000 lm | 97 lm/W | 0 4 6 - 4 1 L 3 0 1 ◪ ◘ |
| | | 4000 K | 80 | 1220 lm | 118 lm/W | 0 4 6 - 4 1 L 3 6 1 ◪ ◘ |
| | | | 90 | 999 lm | 97 lm/W | 0 4 6 - 4 1 L 3 1 1 ◪ ◘ |
| 13.3 W | 1180 mm | 3000 K | 80 | 1530 lm | 115 lm/W | 0 4 6 - 4 1 L 4 5 1 ◪ ◘ |
| | | | 90 | 1330 lm | 100 lm/W | 0 4 6 - 4 1 L 4 0 1 ◪ ◘ |
| | | 4000 K | 80 | 1630 lm | 123 lm/W | 0 4 6 - 4 1 L 4 6 1 ◪ ◘ |
| | | | 90 | 1330 lm | 100 lm/W | 0 4 6 - 4 1 L 4 1 1 ◪ ◘ |
| 16.6 W | 1480 mm | 3000 K | 80 | 1910 lm | 115 lm/W | 0 4 6 - 4 1 L 5 5 1 ◪ ◘ |
| | | | 90 | 1670 lm | 101 lm/W | 0 4 6 - 4 1 L 5 0 1 ◪ ◘ |
| | | 4000 K | 80 | 2040 lm | 123 lm/W | 0 4 6 - 4 1 L 5 6 1 ◪ ◘ |
| | | | 90 | 1670 lm | 101 lm/W | 0 4 6 - 4 1 L 5 1 1 ◪ ◘ |
| 26.6 W | 2352 mm | 3000 K | 80 | 3060 lm | 115 lm/W | 0 4 6 - 4 1 L 8 5 1 ◪ ◘ |
| | | | 90 | 2670 lm | 100 lm/W | 0 4 6 - 4 1 L 8 0 1 ◪ ◘ |
| | | 4000 K | 80 | 3260 lm | 123 lm/W | 0 4 6 - 4 1 L 8 6 1 ◪ ◘ |
| | | | 90 | 2670 lm | 100 lm/W | 0 4 6 - 4 1 L 8 1 1 ◪ ◘ |

**Order options**

| COLOUR ◪ | |
|---|---|
| pure white RAL 9010 | 7 |
| jet black RAL 9005 | 8 |
| white aluminium RAL 9006 | G |

| COVER OPTION ◘ | |
|---|---|
| microprismatic (glare reduced) | G |
| microprismatic | Z |

## OPAL | HIGH LUMEN

| SYSTEM | LENGTH | COLOUR TEMP. | CRI ≥ | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|---|---|
| 12.1 W | 580 mm | 3000 K | 80 | 1480 lm | 122 lm/W | 0 4 6 - 4 1 M 2 5 ◆ ◪ H |
| | | | 90 | 1290 lm | 107 lm/W | 0 4 6 - 4 1 M 2 0 ◆ ◪ H |
| | | 4000 K | 80 | 1570 lm | 130 lm/W | 0 4 6 - 4 1 M 2 6 ◆ ◪ H |
| | | | 90 | 1290 lm | 107 lm/W | 0 4 6 - 4 1 M 2 1 ◆ ◪ H |
| 16.6 W | 880 mm | tunable w. | 80 | 2260 lm | 136 lm/W | 0 4 6 - 4 1 3 3 D 3 ◆ ◪ H |
| 17.5 W | 880 mm | 3000 K | 80 | 2220 lm | 127 lm/W | 0 4 6 - 4 1 M 3 5 ◆ ◪ H |
| | | | 90 | 1930 lm | 110 lm/W | 0 4 6 - 4 1 M 3 0 ◆ ◪ H |
| | | 4000 K | 80 | 2360 lm | 135 lm/W | 0 4 6 - 4 1 M 3 6 ◆ ◪ H |
| | | | 90 | 1930 lm | 110 lm/W | 0 4 6 - 4 1 M 3 1 ◆ ◪ H |
| 22.1 W | 1180 mm | tunable w. | 80 | 3010 lm | 136 lm/W | 0 4 6 - 4 1 3 4 D 3 ◆ ◪ H |
| 23.3 W | 1180 mm | 3000 K | 80 | 2960 lm | 127 lm/W | 0 4 6 - 4 1 M 4 5 ◆ ◪ H |
| | | | 90 | 2570 lm | 110 lm/W | 0 4 6 - 4 1 M 4 0 ◆ ◪ H |
| | | 4000 K | 80 | 3150 lm | 135 lm/W | 0 4 6 - 4 1 M 4 6 ◆ ◪ H |
| | | | 90 | 2570 lm | 110 lm/W | 0 4 6 - 4 1 M 4 1 ◆ ◪ H |
| 27.6 W | 1480 mm | tunable w. | 80 | 3760 lm | 136 lm/W | 0 4 6 - 4 1 3 5 D 3 ◆ ◪ H |
| 29.1 W | 1480 mm | 3000 K | 80 | 3690 lm | 127 lm/W | 0 4 6 - 4 1 M 5 5 ◆ ◪ H |
| | | | 90 | 3220 lm | 111 lm/W | 0 4 6 - 4 1 M 5 0 ◆ ◪ H |
| | | 4000 K | 80 | 3930 lm | 135 lm/W | 0 4 6 - 4 1 M 5 6 ◆ ◪ H |
| | | | 90 | 3220 lm | 111 lm/W | 0 4 6 - 4 1 M 5 1 ◆ ◪ H |
| 43.0 W | 2352 mm | tunable w. | 80 | 6020 lm | 140 lm/W | 0 4 6 - 4 1 3 8 D 3 ◆ ◪ H |
| 45.0 W | 2352 mm | 3000 K | 80 | 5910 lm | 131 lm/W | 0 4 6 - 4 1 M 8 5 ◆ ◪ H |
| | | | 90 | 5150 lm | 114 lm/W | 0 4 6 - 4 1 M 8 0 ◆ ◪ H |
| | | 4000 K | 80 | 6290 lm | 140 lm/W | 0 4 6 - 4 1 M 8 6 ◆ ◪ H |
| | | | 90 | 5150 lm | 114 lm/W | 0 4 6 - 4 1 M 8 1 ◆ ◪ H |

## Order options

| CONTROL ◆ | |
|---|---|
| non DIM | 1 |
| DALI-2 | 3 |

| COLOUR ◪ | |
|---|---|
| pure white RAL 9010 | 7 |
| jet black RAL 9005 | 8 |
| white aluminium RAL 9006 | G |

## MICROPRISMATIC | HIGH LUMEN

| SYSTEM | LENGTH | COLOUR TEMP. | CRI ≥ | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|---|---|
| 12.1 W | 580 mm | 3000 K | 80 | 1290 lm | 107 lm/W | 0 4 6 - 4 1 M 2 5 |
| | | | 90 | 1120 lm | 93 lm/W | 0 4 6 - 4 1 M 2 0 |
| | | 4000 K | 80 | 1370 lm | 113 lm/W | 0 4 6 - 4 1 M 2 6 |
| | | | 90 | 1120 lm | 93 lm/W | 0 4 6 - 4 1 M 2 1 |
| 16.6 W | 880 mm | tunable w. | 80 | 1970 lm | 119 lm/W | 0 4 6 - 4 1 3 3 D 3 |
| 17.5 W | 880 mm | 3000 K | 80 | 1930 lm | 110 lm/W | 0 4 6 - 4 1 M 3 5 |
| | | | 90 | 1680 lm | 96 lm/W | 0 4 6 - 4 1 M 3 0 |
| | | 4000 K | 80 | 2050 lm | 117 lm/W | 0 4 6 - 4 1 M 3 6 |
| | | | 90 | 1680 lm | 96 lm/W | 0 4 6 - 4 1 M 3 1 |
| 22.1 W | 1180 mm | tunable w. | 80 | 2620 lm | 119 lm/W | 0 4 6 - 4 1 3 4 D 3 |
| 23.3 W | 1180 mm | 3000 K | 80 | 2570 lm | 110 lm/W | 0 4 6 - 4 1 M 4 5 |
| | | | 90 | 2240 lm | 96 lm/W | 0 4 6 - 4 1 M 4 0 |
| | | 4000 K | 80 | 2740 lm | 118 lm/W | 0 4 6 - 4 1 M 4 6 |
| | | | 90 | 2240 lm | 96 lm/W | 0 4 6 - 4 1 M 4 1 |
| 27.6 W | 1480 mm | tunable w. | 80 | 3280 lm | 119 lm/W | 0 4 6 - 4 1 3 5 D 3 |
| 29.1 W | 1480 mm | 3000 K | 80 | 3210 lm | 110 lm/W | 0 4 6 - 4 1 M 5 5 |
| | | | 90 | 2800 lm | 96 lm/W | 0 4 6 - 4 1 M 5 0 |
| | | 4000 K | 80 | 3420 lm | 118 lm/W | 0 4 6 - 4 1 M 5 6 |
| | | | 90 | 2800 lm | 96 lm/W | 0 4 6 - 4 1 M 5 1 |
| 43.0 W | 2352 mm | tunable w. | 80 | 5240 lm | 122 lm/W | 0 4 6 - 4 1 3 8 D 3 |
| 45.0 W | 2352 mm | 3000 K | 80 | 5140 lm | 114 lm/W | 0 4 6 - 4 1 M 8 5 |
| | | | 90 | 4480 lm | 100 lm/W | 0 4 6 - 4 1 M 8 0 |
| | | 4000 K | 80 | 5480 lm | 122 lm/W | 0 4 6 - 4 1 M 8 6 |
| | | | 90 | 4480 lm | 100 lm/W | 0 4 6 - 4 1 M 8 1 |

## Order options

| CONTROL | |
|---|---|
| non DIM | 1 |
| DALI-2 | 3 |

| COLOUR | |
|---|---|
| pure white RAL 9010 | 7 |
| jet black RAL 9005 | 8 |
| white aluminium RAL 9006 | G |

| COVER OPTION | |
|---|---|
| microprismatic (glare reduced) | G |
| microprismatic | Z |

# Kindergarten, Schluderns

Italia

**Arquitecto**
Roland Baldi Architects

**Fotografía**
Oskar Da Riz



**Productos utilizados**



**VELA suspended**



**MINO 60 surface**

No liability is assumed for typographical or printing errors.
© XAL GmbH · Auer-Welsbach-Gasse 36 · 8055 Graz · Austria · www.xal.com









