

XAL

NEWS 18

EN

DE





**SASSO 60**  
trim/trimless  
→ 4



**BASO 40**  
trim  
→ 24

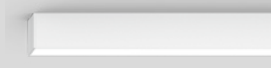
**BASO 40**  
trimless  
→ 24



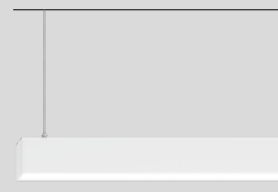
**TASK round**  
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→ 32



**TASK round**  
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→ 34



**BASO 40**  
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→ 36



**BASO 40**  
suspended  
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→ 38



**MOVE IT 25/25 S**  
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→ 52/58



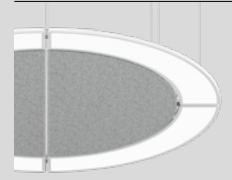
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→ 65



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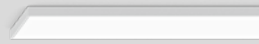
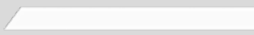
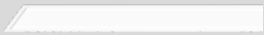


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trimless  
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trimless  
→ 12

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RECESSED SPOTLIGHTS / DOWNLIGHTS  
EINBAUSTRALER / DOWNLIGHTS

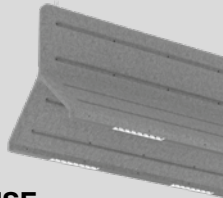
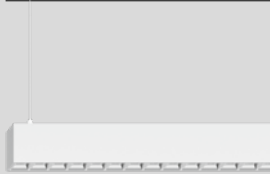
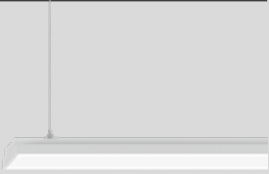


**LENO**  
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**LENO**  
trimless  
→ 28

**LENO**  
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RECESSED LUMINAIRES / WALLWASHER  
EINBAULEUCHTEN / WALLWASHER

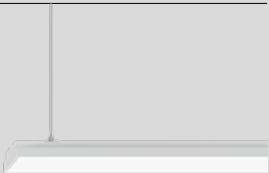


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SURFACE MOUNTED AND SUSPENDED LUMINAIRES  
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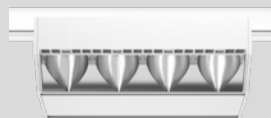
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TRACK LIGHTS AND TRACKS  
STRAHLER UND STROMSCHIENEN

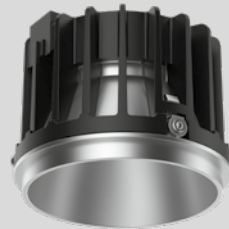
# SASSO 60 OVERVIEW

## Light engines

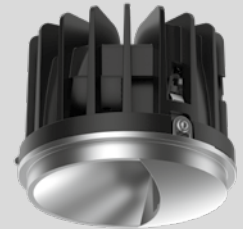
**SASSO 60**  
round adjustable



**SASSO 60**  
round downlight



**SASSO 60**  
round wallwasher

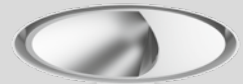


<b>INSET POWER</b>	6 W, 12 W	6 W, 12 W	13 W
<b>LUMINOUS EFFICACY</b>	up to 110 lm/W	up to 113 lm/W	up to 64 lm/W
<b>LUMINOUS FLUX</b>	470 lm, 1280 lm	480 lm, 1320 lm	830 lm
<b>COLOUR TEMPERATURE</b>	2700K, 3000K, 4000K	2700K, 3000K, 4000K	2700K, 3000K, 4000K
<b>BEAM ANGLE</b>	21°, 39°	21°, 39°	asymmetric
<b>MATERIAL COLOUR</b>	silver, white, black, copper, gold	silver, white, black, copper, gold	silver, white, black, copper, gold

## Mounting accessories



**round trimless**  
for installation in plasterboard  
ceilings 12/15/25 mm



**round with trim**  
for installation in intermediate  
ceilings 2–25 mm



**square trimless**  
for installation in plasterboard  
ceilings 12/15/25 mm



**square with trim**  
for installation in intermediate  
ceilings 2–25 mm



**SASSO 60**  
square downlight



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6 W, 12 W  
up to 117 lm/W  
500 lm, 1360 lm  
2700K, 3000K, 4000K  
21°, 42°  
silver, white, black, copper, gold

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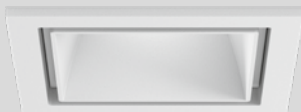
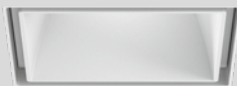
**SASSO 60**  
square wallwasher



---

13 W  
up to 64 lm/W  
830 lm  
2700K, 3000K, 4000K  
asymmetric  
silver, white, black, copper, gold

---



# SASSO 60

## round

[xal.com/sasso](http://xal.com/sasso)



### Quickinfo

#### GENERAL

recessed (with trim/trimless)  
IP20, IP40, IP44  
opt. housing for insulated ceilings  
opt. concrete installation housing

#### LED

COB LED module  
up to 1320 lm  
up to 113 lm/W  
2700K, 3000K, 4000K  
CRI ≥ 90  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000h

#### OPTICAL

direct illumination (UGR < 16)  
beam angle 21°, 39°

#### ELECTRICAL

non DIM, DIM 1–10V, DIM DALI

#### PHYSICAL

aluminium  
silver, white, black, copper, gold

### Description

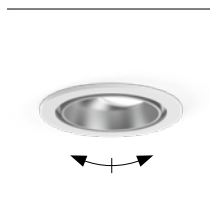
**EN** Round recessed spotlight; installation without tools in mounting set with ball catch system; surface silver, white, black, copper or gold; installation possible in different housings; choice of adjustable (360° rotatable and 30° tiltable) / fixed symmetric or fixed asymmetric radiation characteristic - precise due to high quality lens system; variants with symmetric radiation characteristic (UGR < 15) with 2 different beam angles; passive cooling of LEDs with optimised heat sink geometry; COB (Chip on Board) technology for maximum efficiency (ADJUSTABLE and DOWNLIGHT); no multiple shadows; efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; light colour 2700K, 3000K or 4000K; CRI ≥ 90; L80 / 50000h; degree of protection IP20, IP40 or IP44; PCII (power supply) or PCIII (spotlights); either non dimmable, 1-10V dimmable or DALI dimmable

**DE** Runder Einbaustrahler; werkzeuglose Montage im Montageset durch Kugelschnappsystem; Oberfläche silber, weiß, schwarz, kupfer oder gold; Einbau in unterschiedlichen Gehäusen möglich; wahlweise einstellbar (360° dreh- und 30° schwenkbar) / starr symmetrische oder starr asymmetrische Abstrahlcharakteristik - präzise durch hochwertige Linsenoptik; symmetrisch strahlende Varianten (UGR < 15) mit 2 verschiedenen Ausstrahlwinkeln; passive Kühlung der LEDs durch optimierte Kühlkörpergeometrie; COB (Chip on Board) Technologie für höchste Effizienz (ADJUSTABLE und DOWNLIGHT); keine Mehrfachschatten; effiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; Lichtfarbe 2700K, 3000K oder 4000K; CRI ≥ 90; L80 / 50000h; Schutzart IP20, IP40 oder IP44; SKII (Netzversorgung) bzw. SKIII (Strahler); wahlweise nicht dimmbar, 1-10V-dimmbar oder DALI-dimmbar

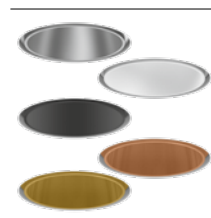
### Features



60 mm  
recess depth



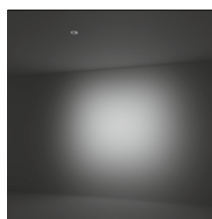
rotation adjustment  
360° tilt., adjustm. 30°



surface in silver, white,  
black, copper, gold



direct illumination  
(UGR < 16)



asymmetric illumina-  
tion (wallwasher)



skimmed into plaster-  
board ceiling (trimless)



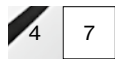
housing for insulated  
hollow ceilings available

**KAISER**

### Standard configuration

**COLOUR TEMPERATURE** ⋮  
3000K 5

**MATERIAL COLOUR** ▣  
silver (UGR < 19) 4  
white (UGR < 22) 7

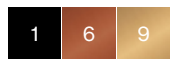


**REFLECTOR** ▲  
medium 21° M  
flood 39° F

### Extended configuration

**COLOUR TEMPERATURE** ⋮  
2700K 4  
4000K 6

**MATERIAL COLOUR** ▣  
black (UGR < 16) 1  
copper (UGR < 19) 6  
gold (UGR < 19) 9



+5% surcharges

### Options on request

**REFLECTOR**  
spot 15°



### SASSO 60 round



#### ADJUSTABLE (IP 40)

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
6W*	2700K 3000K	440lm 470lm	0 4 8 - 2 6 2 1 <span style="color: blue;">⋮</span> 1 7 F
12W	2700K 3000K 4000K	960lm 960lm 1280lm	0 4 8 - 2 6 2 0 <span style="color: blue;">⋮</span> 1 <span style="color: blue;">▣</span> ▲

luminous flux white material colour, flood reflector; \*for Kaiser ThermoX housing

#### DOWNLIGHT (IP 44)

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
6W*	2700K 3000K	450lm 480lm	0 4 8 - 2 6 0 1 <span style="color: blue;">⋮</span> 1 7 F
12W	2700K 3000K 4000K	990lm 990lm 1320lm	0 4 8 - 2 6 0 0 <span style="color: blue;">⋮</span> 1 <span style="color: blue;">▣</span> ▲

luminous flux white material colour, flood reflector; \*for Kaiser ThermoX housing

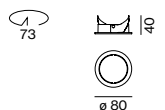
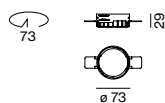
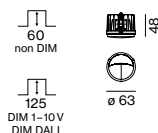
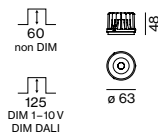
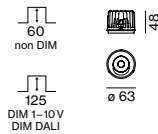
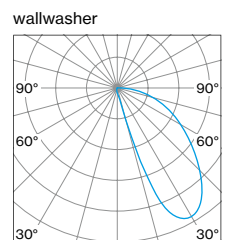
#### WALLWASHER (IP 20)

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
10W	2700K 3000K 4000K	700lm 700lm 830lm	0 4 8 - 2 6 4 0 <span style="color: blue;">⋮</span> 1 <span style="color: blue;">▣</span> A

luminous flux white material colour

#### LIGHT DISTRIBUTION for 12W, 3000K, white

adjustable medium 21°			adjustable flood 39°		
h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	5122	0,37	1	2049	0,70
2	1280	0,75	2	512	1,40
3	569	1,12	3	227	2,10
4	320	1,49	4	128	2,80
5	204	1,87	5	81	3,49



### Mounting accessories

#### TRIMLESS MOUNTING SET

for installation in plasterboard ceilings 12/15/25 mm

**COLOUR**  
white **ORDER CODE**  
0 4 8 - 2 6 9 6 1 1 7

#### MOUNTING SET WITH TRIM

for intermediate ceilings 2-25 mm

**COLOUR**  
silver-grey **ORDER CODE**  
0 4 8 - 2 6 9 6 3 1 G  
white 0 4 8 - 2 6 9 6 3 1 7  
black 0 4 8 - 2 6 9 6 3 1 8

### Electrical accessories

**CONVERTER** supply 220-240 V AC, 350 mA, 50-60 Hz, PC II  
for one 6W light engine

TYPE	EFFICIENCY	L-W-H (mm)	ORDER CODE
non DIM	η 70%	68-35-21	0 0 2 - 9 0 7 4 1
DIM 1-10 V	η 79%	180-32-32	0 0 2 - 9 0 7 2 1
DIM DALI	η 78%	180-32-32	0 0 2 - 9 0 7 3 1

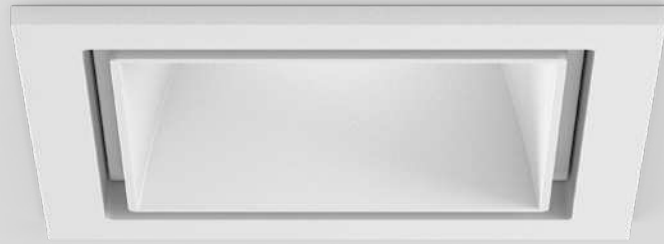
**CONVERTER** supply 220-240 V AC, 350 mA, 50-60 Hz, PC II  
for one 10/12W light engine

TYPE	EFFICIENCY	L-W-H (mm)	ORDER CODE
non DIM	η 80%	85-41-22	0 0 2 - 9 0 7 1 1
DIM 1-10 V	η 84%	180-32-32	0 0 2 - 9 0 7 2 1
DIM DALI	η 86%	180-32-32	0 0 2 - 9 0 7 3 1

# SASSO 60

## square

[xal.com/sasso](http://xal.com/sasso)



### Quickinfo

#### GENERAL

recessed (with trim/trimless)  
IP20, IP44  
opt. concrete installation housing

#### LED

COB LED module  
up to 1360lm  
up to 117lm/W  
2700K, 3000K, 4000K  
CRI ≥ 90  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000h

#### OPTICAL

direct illumination (UGR < 16)  
beam angle 21°, 42°

#### ELECTRICAL

non DIM, DIM 1–10V, DIM DALI

#### PHYSICAL

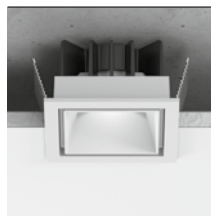
aluminium  
silver, white, black, copper, gold

### Description

**EN** Square recessed spotlight; installation without tools in mounting set with ball catch system; surface silver, white, black, copper or gold; installation possible in different housings; choice of symmetric or asymmetric radiation characteristic - precise due to high quality lens system; variants with symmetric radiation characteristic (UGR < 15) with 2 different beam angles; passive cooling of LEDs with optimised heat sink geometry; COB (Chip on Board) technology for maximum efficiency (DOWNLIGHT); no multiple shadows; efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; light colour 2700K, 3000K or 4000K; CRI ≥ 90; L80 / 50000h; degree of protection IP20 or IP44; PCII (power supply) or PCIII (spotlights); either non dimmable, 1-10V dimmable or DALI dimmable

**DE** Quadratischer Einbaustrahler; werkzeuglose Montage im Montageset durch Kugelschnappsystem; Oberfläche silber, weiß, schwarz, kupfer oder gold; Einbau in unterschiedlichen Gehäusen möglich; wahlweise mit symmetrischer oder asymmetrischer Abstrahlcharakteristik - präzise durch hochwertige Linsenoptik; symmetrisch strahlende Varianten (UGR < 15) mit 2 verschiedenen Ausstrahlwinkeln; passive Kühlung der LEDs durch optimierte Kühlkörpergeometrie; COB (Chip on Board) Technologie für höchste Effizienz (DOWNLIGHT); keine Mehrfachschatten; effiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; Lichtfarbe 2700K, 3000K oder 4000K; CRI ≥ 90; L80 / 50000h; Schutzart IP 20 oder IP 44; SKII (Netzversorgung) bzw. SK III (Strahler); wahlweise nicht dimmbar, 1-10V-dimmbar oder DALI-dimmbar

### Features



60 mm  
recess depth



surface in silver, white,  
black, copper, gold



direct illumination  
(UGR < 16)



asymmetric illumina-  
tion (wallwasher)



skimmed into plaster-  
board ceiling (trimless)

### Standard configuration

**COLOUR TEMPERATURE** ⋯  
3000K 5

**MATERIAL COLOUR** ▣  
silver (UGR < 19) 4  
white (UGR < 22) 7

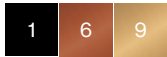


**REFLECTOR** ▲  
medium 21° M  
flood 42° F

### Extended configuration

**COLOUR TEMPERATURE** ⋯  
2700K 4  
4000K 6

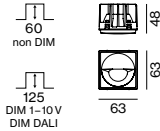
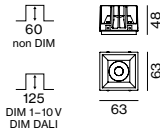
**MATERIAL COLOUR** ▣  
black (UGR < 16) 1  
copper (UGR < 19) 6  
gold (UGR < 19) 9



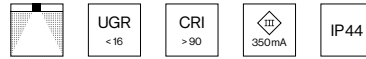
+5% surcharges

### Options on request

**REFLECTOR**  
spot 15°



### SASSO 60 square



#### DOWNLIGHT (IP 44)

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
6W	2700K	460lm	0 4 8 - 2 6 1 1 <span style="color: blue;">⋯</span> 1 7 F
	3000K	500lm	
12W	2700K	1020lm	0 4 8 - 2 6 1 0 <span style="color: blue;">⋯</span> 1 <span style="color: blue;">▣</span> ▲
	3000K	1020lm	
	4000K	1360lm	

luminous flux white material colour, flood reflector

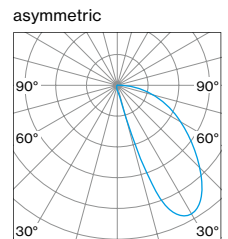
#### WALLWASHER (IP 20)

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
10W	2700K	700lm	0 4 8 - 2 6 5 0 <span style="color: blue;">⋯</span> 1 <span style="color: blue;">▣</span> A
	3000K	700lm	
	4000K	830lm	

luminous flux white material colour

#### LIGHT DISTRIBUTION for 12W, 3000K, white

downlight medium 21°			downlight flood 42°		
h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	5016	0,37	1	1839	0,76
2	1254	0,75	2	459	1,53
3	557	1,12	3	204	2,29
4	313	1,50	4	114	3,05
5	200	1,87	5	73	3,82



### Mounting accessories

#### TRIMLESS MOUNTING SET

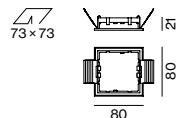
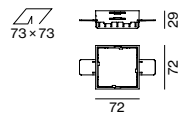
for installation in plasterboard ceilings 12/15/25 mm

**COLOUR**  
white 0 4 8 - 2 6 9 7 1 1 7

#### MOUNTING SET WITH TRIM

for intermediate ceilings 2-25 mm

**COLOUR**  
silver-grey 0 4 8 - 2 6 9 7 3 1 G  
white 0 4 8 - 2 6 9 7 3 1 7  
black 0 4 8 - 2 6 9 7 3 1 8



### Electrical accessories

**CONVERTER** supply 220-240 V AC, 350 mA, 50-60 Hz, PC II  
for one 6W light engine

TYPE	EFFICIENCY	L-W-H (mm)	ORDER CODE
non DIM	η 70 %	68-35-21	0 0 2 - 9 0 7 4 1
DIM 1-10 V	η 79 %	180-32-32	0 0 2 - 9 0 7 2 1
DIM DALI	η 78 %	180-32-32	0 0 2 - 9 0 7 3 1

**CONVERTER** supply 220-240 V AC, 350 mA, 50-60 Hz, PC II  
for one 10/12W light engine

TYPE	EFFICIENCY	L-W-H (mm)	ORDER CODE
non DIM	η 80 %	85-41-22	0 0 2 - 9 0 7 1 1
DIM 1-10 V	η 84 %	180-32-32	0 0 2 - 9 0 7 2 1
DIM DALI	η 86 %	180-32-32	0 0 2 - 9 0 7 3 1

# TRUMPET

## trimless

[xal.com/trumpet](http://xal.com/trumpet)



### Quickinfo

#### GENERAL

recessed  
IP 40

#### LED

COB LED module  
up to 930/3160 lm  
up to 102 lm/W  
2700 K, 3000 K, 4000 K  
CRI ≥ 90  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination (UGR < 19)  
beam angle 31°, 49°, 65°  
dynamic gradient illumination  
offset PMMA cover

#### ELECTRICAL

non DIM, DIM DALI

#### PHYSICAL

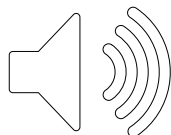
aluminium  
powder-coated

### Description

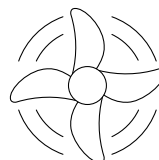
**EN** Hyperbolic moulded installation housing made of die-cast aluminium; rounded internal contour; ceiling cut-out covered by luminaire housing; suitable for ceiling thickness of 2-25 mm; surface white powder coated; installation without tools using snap spring closure; uncluttered ceiling look through recessed lighting level; recessed IP 40 protective glass with laser etched pattern for a dynamic development of light output; passive cooling of LEDs with optimised heat sink geometry; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; screen work capable luminaire as per DIN EN 12464-1 (UGR < 19) for 18 W versions; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 2700 K, 3000 K and 4000 K; CRI ≥ 90; min. 80 % of the luminous flux after 50 000 hours; high quality reflector with spherical facet finish; precise radiation characteristic with three different beam angles; installed and exchanged without tools; degree of protection IP 40; PC II; optionally non-dimmable or DALI dimmable; available as an option that is compatible with high quality audio system and ventilation outlets

**DE** Hyperbolisch geformtes Einbaugehäuse aus Aluminiumdruckguss; abgerundete Innenkontur; Deckenausschnitt durch Leuchtgehäuse abgedeckt; geeignet für Deckenstärken von 2-25 mm; Oberfläche weiß pulverbeschichtet; werkzeuglose Montage mittels Schnappfederverschluss; ruhiges Deckenbild durch zurückversetzte Leuchtebene; zurückversetztes IP 40-Schutzglas mit Laserstruktur für einen dynamischen Lichtaustritt-Verlauf; passive Kühlung der LEDs durch optimierte Kühlkörpergeometrie; COB (Chip on Board) Technologie für höchste Effizienz; keine Bildung von Mehrfachschatten; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19) für 18 W Variante; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 2700 K, 3000 K und 4000 K; CRI ≥ 90; min. 80 % des Lichtstromes nach 50 000 h Lebensdauer; hochwertiger Reflektor mit sphärischer Facettenoptik; präzise Abstrahlcharakteristik mit drei verschiedenen Ausstrahlwinkeln; werkzeuglos einsetz- bzw. austauschbar; Schutzart IP 40; SK II; wahlweise nicht dimmbar oder DALI-dimmbar; optional kompatibel mit high quality Audio-System und Lüftungsauslässen

### Features



audio system  
compatibility



ventilation system  
compatibility



smoothly fuse with  
the ceiling

### Standard configuration

**COLOUR TEMPERATURE** ⋮  
3000 K 5

**CONTROL** ↕  
non DIM 1

**MATERIAL COLOUR**  
white



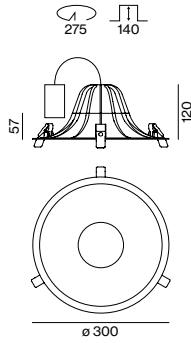
**REFLECTOR** ▲  
medium 31° M

### Extended configuration

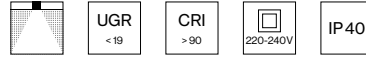
**COLOUR TEMPERATURE** ⋮  
2700 K 4  
4000 K 6

**CONTROL** ↕  
DIM DALI 3

**REFLECTOR** ▲  
flood 49° F  
wide flood 65° W



### TRUMPET 300



SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
18 W	2700 K	1690 lm	0 4 9 - 3 6 2 0 <span style="color: blue;">⋮</span> 7 ▲
UGR < 19	3000 K	1780 lm	
	4000 K	1870 lm	
35 W	2700 K	2850 lm	0 4 9 - 3 6 2 1 <span style="color: blue;">⋮</span> 7 ▲
	3000 K	2960 lm	
	4000 K	3160 lm	

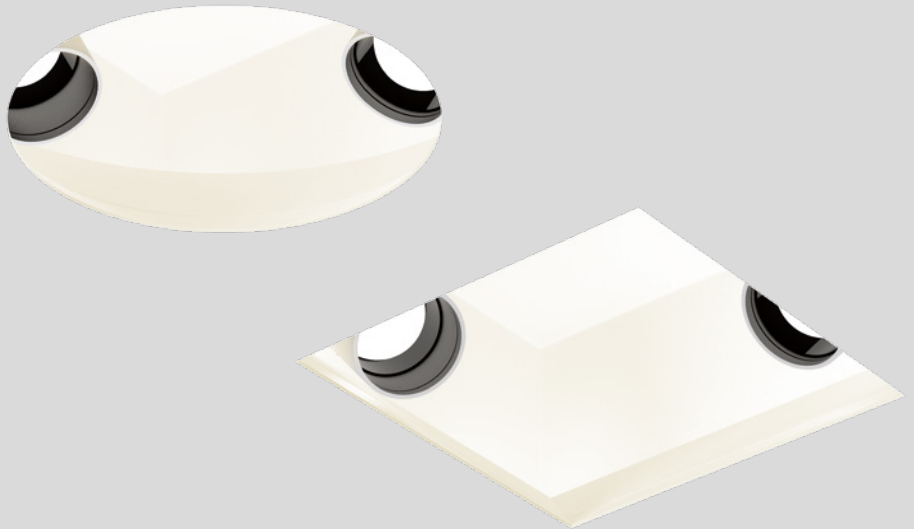
#### LIGHT DISTRIBUTION for 35W, 3000K

medium 31°			flood 49°			wide flood 65°		
h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	5123	0,56	1	3312	0,91	1	2671	1,28
2	1280	1,12	2	828	1,83	2	667	2,56
3	569	1,68	3	368	2,74	3	296	3,85
4	320	2,24	4	207	3,65	4	166	5,13
5	204	2,80	5	132	4,56	5	106	6,41

# CAVO

## round/square trimless

[xal.com/cavo](http://xal.com/cavo)



### Quickinfo

#### GENERAL

recessed trimless  
IP20  
patented

#### LED

up to 1120 lm  
up to 67 lm/W  
3000 K  
CRI ≥ 90

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination  
beam angle 8°, 16°, 28°, 17–43°

#### ELECTRICAL

non DIM, DIM DALI

#### PHYSICAL

aluminium, gypsum  
powder-coated  
housing: glow, no glow

### Description

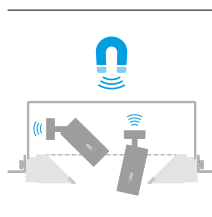
**EN** Recessed housing made of pressed steel sheet for flush installation in plasterboard ceilings, underside of aluminium-reinforced plaster; alternatively with round or square cut-out; no break-out of edges; up to 3 cylindrical spotlight heads can be installed without tools by means of magnetic holders; simple electrical connection of the spotlights due to non-reversible plug and play connection; spotlight head rotates 360° and tilts 90°; all spotlights together DALI dimmable; surface powder coated in white or black; optionally: indirect light component in housing continuously adjustable dimming via DALI; passive cooling of LEDs with optimised heat sink geometry; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colour 3000 K; CRI ≥ 90; min. 80% of the luminous flux after 50 000 hours; good glare reduction due to recessed light point plane; incl. high quality lens system; precise radiation characteristics with different beam angles; degree of protection IP20; PC II; hot plug protection; optional non-dimmable; flicker-free visual comfort through analogue current control (minimum value 1%)

**DE** Einbaugehäuse aus Stahlblech für randlosen Einbau in Gipskartondecken, Unterseite aus aluminiumverstärktem Gips; wahlweise mit rundem oder quadratischem Ausschnitt; kein Ausbrechen der Kanten; bis zu 3 zylindrische Strahlerköpfe mittels Magnethalter werkzeuglos einsetzbar; einfacher elektrischer Anschluss der Strahler durch verpolungssichere Plug & Play Verbindung; Strahlerkopf 360° dreh- und 90° schwenkbar; alle Strahler gemeinsam DALI dimmbar; Oberfläche weiß oder schwarz pulverbeschichtet; optional: Indirektlichtanteil im Gehäuse mittels DALI stufenlos dimmbar; passive Kühlung der LEDs durch optimierte Kühlkörpergeometrie; mit COB (Chip on Board) Technologie für höchste Effizienz; keine Bildung von Mehrfachschatten; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in der Lichtfarbe 3000 K; CRI ≥ 90; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; gute Entblendung durch zurückversetzte Lichtpunktebene; inkl. hochwertiger Linsenoptik; präzise Abstrahlcharakteristik mit verschiedenen Ausstrahlwinkeln; Schutzart IP20; SK II; Hot Plug-Schutz; optional nicht dimmbar; flimmerfreier Sehkomfort durch analoge Stromstärkenregelung (Minimalwert 1%)

### Features

CAVO  
system  
trimless

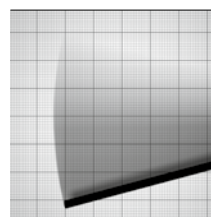
[page 68](#)



magnetic holders for  
tool-free mounting



hot plug safe



flicker-free dimming  
(minimum value of 1%)



optical accessories  
(maximum 1 piece)



### Standard configuration

**COLOUR TEMPERATURE**

3000K

**CONTROL** ▶  
DIM DALI 3

**MATERIAL COLOUR** ▶  
white 7  
black 8



**BEAM ANGLE** ▲  
medium 28° M



### JUST 32 FOCUS 17-43°



**SYSTEM POWER** **COLOUR TEMP.** **LUMINOUS FLUX** **ORDER CODE**  
5 W 3000K 250lm 0 4 9 - 8 2 1 1 5 3 ▶  
max. 3 spotlights

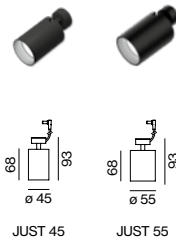
**LIGHT DISTRIBUTION**

min. angle 17°			max. angle 43°		
h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	1561	0,30	1	449	0,80
2	390	0,59	2	112	1,59
3	173	0,89	3	49	2,39
4	97	1,19	4	28	3,18
5	62	1,49	5	17	3,98

### Extended configuration

**CONTROL** ▶  
non DIM 1

**BEAM ANGLE** ▲  
super spot 8° (only JUST 55, 9W) V  
spot 16° S



### JUST 45 / 55



**JUST 45**  
**SYSTEM POWER** **COLOUR TEMP.** **LUMINOUS FLUX** **ORDER CODE**  
10 W 3000K 670lm 0 4 9 - 8 3 0 2 5 3 ▶ M  
max. 3 spotlights

**JUST 55**  
**SYSTEM POWER** **COLOUR TEMP.** **LUMINOUS FLUX** **ORDER CODE**  
9 W 3000K 430lm 0 4 9 - 8 4 0 0 5 3 ▶ V  
18 W 3000K 1120lm 0 4 9 - 8 4 0 0 5 3 ▶ ▲  
max. 1 spotlight 18W + 1 spotlight 9W

**LIGHT DISTRIBUTION**

JUST45 medium 23°			JUST 55 spot 16°			JUST 55 medium 28°		
h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	3380	0,40	1	9219	0,28	1	3964	0,50
2	845	0,81	2	2304	0,56	2	991	1,00
3	375	1,21	3	1024	0,84	3	440	1,51
4	211	1,62	4	576	1,12	4	247	2,01
5	135	2,02	5	368	1,39	5	158	2,51

### Options on request

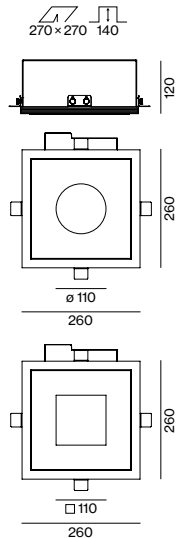
**COLOUR TEMPERATURE**

1800-3000K CWD

**CONTROL**  
ZigBee 3.0

**REFLECTOR**  
super spot 8°

**OPTICAL ACCESSORIES**  
elliptical sculpture foil  
snoot  
colour filter (red, blue, green, etc.)  
only for JUST 32 FOCUS



### Mounting accessories

**MOUNTING HOUSING 1 DALI address, max. 30W**  
for trimless installation in plasterboard ceilings 8-25mm, 4,5kg

TYPE	L-W-H (mm)	ORDER CODE
round	260-260-120	0 4 9 - 8 8 0 3 0
square	260-260-120	0 4 9 - 8 8 1 3 0

incl. power supply 220-240 V AC, 50-60 Hz, PCI, ENEC approved

**MOUNTING HOUSING WITH GLOWING (3000K) 2 DALI addr., max. 30W**  
for trimless installation in plasterboard ceilings 8-25mm, 4,5kg

TYPE	L-W-H (mm)	ORDER CODE
round	260-260-120	0 4 9 - 8 8 2 3 5
square	260-260-120	0 4 9 - 8 8 3 3 5

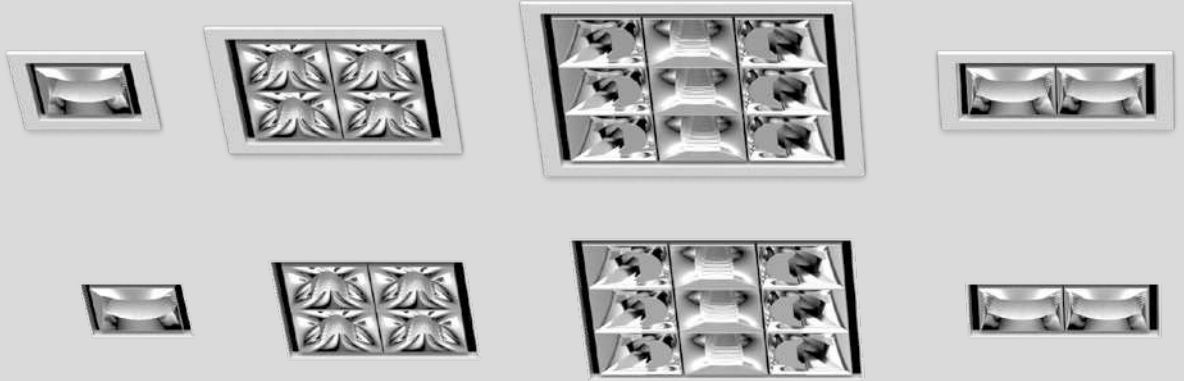
incl. power supply 220-240 V AC, 50-60 Hz, PCI, ENEC approved

### Optical accessories

**HONEYCOMB LOUVER**

TYPE	Ø-H (mm)	ORDER CODE
JUST 32 FOCUS	30-4	0 0 7 - 1 9 6 5 1 6 8
JUST 45	42-3	0 0 7 - 1 9 6 5 1 8 8
JUST 55	50-3	0 0 7 - 1 9 6 5 1 9 8

# UNICO OVERVIEW



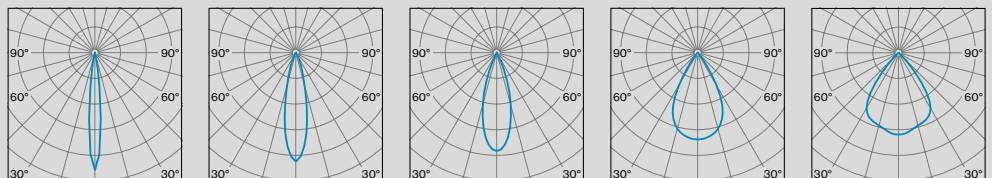
## Installation housing

	Q1	Q4	Q9	L2
<b>TYPE</b>	with trim (white or black)	with trim (white or black)	with trim (white or black)	with trim (white or black)
<b>CEILING THICKNESS</b>	intermediate 2–25 mm	intermediate 2–25 mm	intermediate 2–25 mm	intermediate 2–25 mm
<b>DIMENSION</b>	63x63 mm	101x101 mm	138x138 mm	101x63 mm
<b>CUTOUT DIMENSION</b>	52x52 mm	89x89 mm	127x127 mm	90x52 mm
<b>RECESS DEPTH</b>	80 mm	80 mm	80 mm	80 mm
<b>TYPE</b>	trimless	trimless	trimless	trimless
<b>CEILING THICKNESS</b>	plasterboard 12/15/20/25	plasterboard 12/15/20/25	plasterboard 12/15/20/25	plasterboard 12/15/20/25
<b>DIMENSION</b>	47x47 mm	85x85 mm	122x122 mm	85x47 mm
<b>CUTOUT DIMENSION</b>	50x50 mm	90x90 mm	130x130 mm	90x50 mm
<b>RECESS DEPTH</b>	80 mm	80 mm	80 mm	80 mm

## Light optic

	SPOT ROUND 12°	NARROW MED. ROUND 25°	MEDIUM ROUND 35°	FLOOD ROUND 55°	WIDE FLOOD ROUND 75°
<b>OPTIC POWER</b>	3 W	4 W	4 W	4 W	4 W
<b>LUMINOUS EFFICACY</b>	up to 47 lm/W	up to 60 lm/W	up to 83 lm/W	up to 103 lm/W	up to 104 lm/W
<b>LUMINOUS FLUX</b>	130 lm, 140 lm	230 lm, 240 lm	270 lm, 290 lm	340 lm, 360 lm	340 lm, 360 lm
<b>COLOUR TEMPERATURE</b>	3000 K, 4000 K	3000 K, 4000 K	3000 K, 4000 K	3000 K, 4000 K	3000 K, 4000 K
<b>COLOUR RENDERING INDEX</b>	CRI ≥ 90	CRI ≥ 90	CRI ≥ 90	CRI ≥ 90	CRI ≥ 90

## LIGHT DISTRIBUTION





**L3**

with trim (white or black)  
intermediate 2–25 mm  
138x63 mm  
127x52 mm  
80 mm

trimless  
plasterboard 12/15/20/25  
122x47 mm  
130x50 mm  
80 mm

**L4**

with trim (white or black)  
intermediate 2–25 mm  
176x63 mm  
166x52 mm  
80 mm

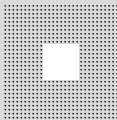
trimless  
plasterboard 12/15/20/25  
160x47 mm  
165x50 mm  
80 mm

**L6**

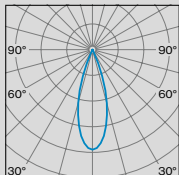
with trim (white or black)  
intermediate 2–25 mm  
251x63 mm  
241x52 mm  
80 mm

trimless  
plasterboard 12/15/20/25  
235x47 mm  
240x50 mm  
80 mm

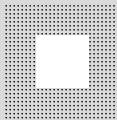
**MEDIUM SQUARE 35°**



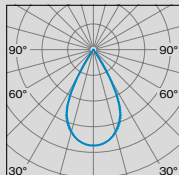
4 W  
up to 89lm/W  
290lm, 310lm  
3000K, 4000K  
CRI ≥ 90



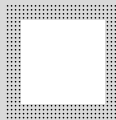
**FLOOD SQUARE 55°**



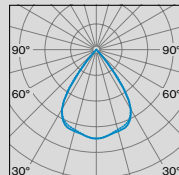
4 W  
up to 104lm/W  
340lm, 360lm  
3000K, 4000K  
CRI ≥ 90



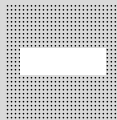
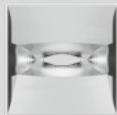
**WIDE FLOOD SQUARE 75°**



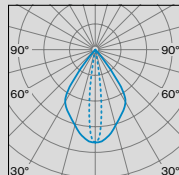
4 W  
up to 107lm/W  
350lm, 370lm  
3000K, 4000K  
CRI ≥ 90



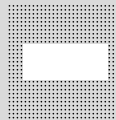
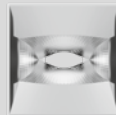
**RECTANGULAR 15x75°**



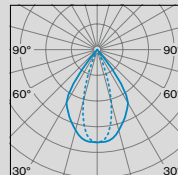
4 W  
up to 60lm/W  
230lm, 240lm  
3000K, 4000K  
CRI ≥ 90



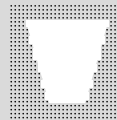
**RECTANGULAR 35x75°**



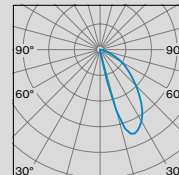
4 W  
up to 96lm/W  
310lm, 330lm  
3000K, 4000K  
CRI ≥ 90



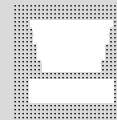
**WALLWASHER**



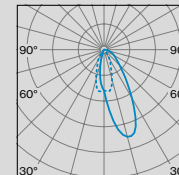
4 W  
up to 91lm/W  
300lm, 320lm  
3000K, 4000K  
CRI ≥ 90



**WALLWASHER FLOOR**



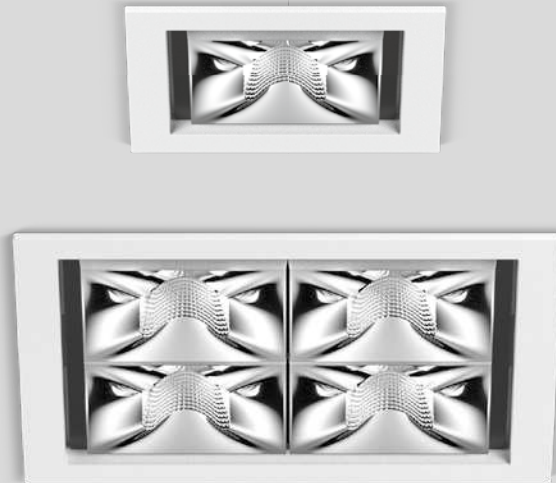
4 W  
up to 95lm/W  
310lm, 330lm  
3000K, 4000K  
CRI ≥ 90



# UNICO Q1/Q4

## trim/trimless

[xal.com/unico](http://xal.com/unico)



### Quickinfo

#### GENERAL

recessed (with trim/trimless)  
IP20

#### LED

High-power LED  
up to 1490 lm, 107 lm/W per optic  
3000 K, 4000 K  
CRI ≥ 90  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination (up to UGR < 10)  
round beam angle 12/25/35/55/75°  
square beam angle 35/55/75°  
rectangular 15x75°, 35x75°  
wallwasher, wallwasher floor

#### ELECTRICAL

non DIM, DIM DALI

#### PHYSICAL

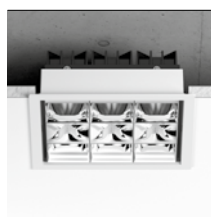
aluminium  
powder-coated

### Description

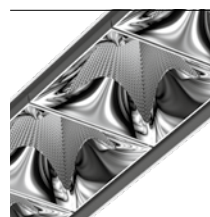
**EN** Square recessed multi-downlight made of die-cast aluminium; equipped with one (Q1) / four (Q4) individually selectable or pre-specified, customised light element(s); installation without tools in mounting set with ball catch system; suitable for ceiling thickness of 2-25 mm; surface powder coated in white or black; installation possible in different housings; also available with UGR < 19; passive cooling of LEDs with optimised heat sink geometry; energy-efficient high power LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 90; min. 80% of the luminous flux after 50 000 hours; high-quality reflector with micro-faceted, aluminium-vaporised surface; precise radiation characteristic with different symmetrical light distributions; or with asymmetric light distribution; degree of protection IP20; PC II; optionally non-dimmable or DALI dimmable

**DE** Quadratischer Einbau-Multi-Downlight aus Aluminiumdruckguss; bestückt mit einer (Q1) / vier (Q4) individuell wählbaren oder fix definierten, anwendungsspezifischen Optik(en); werkzeuglose Montage im Montageset durch Kugelschnappsystem; geeignet für Deckenstärken von 2-25 mm; Oberfläche weiß oder schwarz pulverbeschichtet; Einbau in unterschiedlichen Gehäusen möglich; Versionen mit UGR < 19 verfügbar; passive Kühlung der LEDs durch optimierte Kühlkörpergeometrie; energieeffiziente High-Power-LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 90; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; hochwertiger Reflektor mit mikrofacettierter, aluminiumbedampfter Oberfläche; präzise Abstrahlcharakteristik mit unterschiedlichen symmetrischen Lichtverteilungen; oder mit asymmetrischer Lichtverteilung; Schutzart IP20; SK II; wahlweise nicht dimmbar oder DALI-dimmbar

### Features



↑ 80 mm  
recess depth



micro-faceted  
reflector



skimmed into plaster-  
board ceiling (trimless)

### Standard configuration

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

<b>CONTROL</b>	⬆️⬆️
non DIM	1
DIM DALI	3
☐ channel 1	☐ channel 2

<b>LIGHT OPTIC</b>	▲
medium round 35° (UGR < 10)	B
medium square 35° (UGR < 10)	E
flood round 55° (UGR < 16)	C
flood square 55° (UGR < 19)	F
wide flood round 75°	D
wide flood square 75°	G

<b>MATERIAL COLOUR</b>	☑️
white	W
black	B

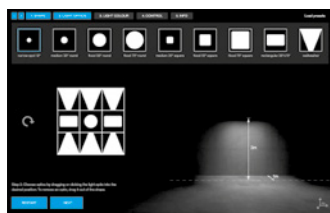


### Options on request

<b>COLOUR TEMPERATURE</b>
tunable white (2700–5000K)

<b>CONTROL</b>
ZigBee 3.0

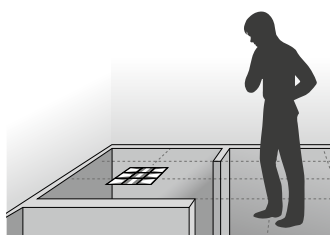
### Product configurator



Create your own UNICO  
[unico.xal.com](http://unico.xal.com)

### Planning information

☐	channel 1
☐	channel 2



The icons of the light optics are shown in the reflected ceiling plan (RCP) view.

### UNICO Q1/Q4 Applications



#### FLOOR

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
3,5 W	3000 K	up to 350lm	090-7 Q 1 ☐☐☐▲0001
	4000 K	up to 370lm	

choose one light optic ▲ from the options on the left depending on your room needs



#### FLOOR

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14 W	3000 K	up to 1390lm	090-7 Q 4 ☐☐☐▲0001
	4000 K	up to 1490lm	

choose one light optic ▲ from the options on the left depending on your room needs



#### WALL | DIM DALI

4x wallwasher

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14 W	3000 K	1180lm	090-7 Q 4 ☐☐☐3A0001
	4000 K	1270lm	



#### WALL + FLOOR | 2 CHANNELS DIM DALI

2x wallwasher + 2x square medium 35°

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14 W	3000 K	590 580lm	090-7 Q 4 ☐☐☐390001
	4000 K	630 620lm	



#### WALL + CORRIDOR | 2 CHANNELS DIM DALI

2x wallwasher + 2x rectangular 35x75°

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14 W	3000 K	590 620lm	090-7 Q 4 ☐☐☐390002
	4000 K	630 670lm	



#### WALL + CORRIDOR | 2 CHANNELS DIM DALI

2x wallwasher + 2x rectangular 35x75°

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14 W	3000 K	590 620lm	090-7 Q 4 ☐☐☐390003
	4000 K	630 670lm	



#### CORNER + FLOOR | 2 CHANNELS DIM DALI

2x wallwasher + 2x square medium 35°

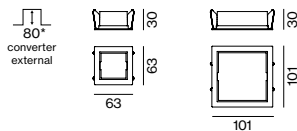
INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14 W	3000 K	590 580lm	090-7 Q 4 ☐☐☐390004
	4000 K	630 620lm	

### Accessories

#### MOUNTING SET WITH TRIM

for intermediate ceilings 2–25 mm

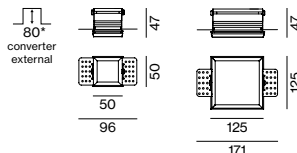
TYPE	L-W-H (mm)	CUTOUT (mm)	ORDER CODE
Q1	63x63x30	50x50	090-7 Q 1 0 2 0 ☐
Q4	101x101x30	90x90	090-7 Q 4 0 2 0 ☐



#### TRIMLESS MOUNTING SET

for installation in plasterboard ceilings 12/15/20/25 mm

TYPE	L-W-H (mm)	CUTOUT (mm)	ORDER CODE
Q1	47x47x47	50x50	090-7 Q 1 0 1 0 0
Q4	85x85x47	90x90	090-7 Q 4 0 1 0 0



#### CONVERTER supply 220–240 V AC, 48 V, 50–60 Hz

DALI signals are processed by luminaire

ORDER CODE	45 W, ☐ PC II	65 W, ☐ PC II	150 W, ☉ PCI	320 W, ☉ PCI
	002-60142	002-60143	002-60156	002-60320
<b>EFFICIENCY</b>	η 88 %	η 89 %	η 91 %	η 95 %
<b>L-W-H (mm)</b>	120x75x25	130x75x25	222x68x39	252x90x44
<b>*MOUNTING</b>	recessed	recessed	external	external
☐ Q1 with trim	-	-	-	-
☐ Q1 trimless	-	-	-	-
☐ Q4 with trim	80 mm	80 mm	-	-
☐ Q4 trimless	150 mm	160 mm	-	-

# UNICO Q9

## trim/trimless

[xal.com/unico](http://xal.com/unico)



### Quickinfo

#### GENERAL

recessed (with trim/trimless)  
IP20

#### LED

High-power LED  
up to 3350lm, 107lm/W per optic  
3000K, 4000K  
CRI ≥ 90  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50000h

#### OPTICAL

direct illumination (up to UGR < 10)  
round beam angle 12/25/35/55/75°  
square beam angle 35/55/75°  
rectangular 15x75°, 35x75°  
wallwasher, wallwasher floor

#### ELECTRICAL

non DIM, DIM DALI

#### PHYSICAL

aluminium  
powder-coated

### Description

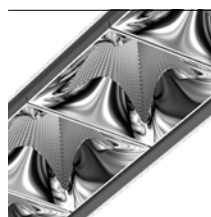
**EN** Square recessed multi-downlight made of die-cast aluminium; equipped with nine individually selectable or pre-specified, customised light elements; installation without tools in mounting set with ball catch system; suitable for ceiling thickness of 2-25mm; surface powder coated in white or black; installation possible in different housings; also available with UGR < 19; passive cooling of LEDs with optimised heat sink geometry; energy-efficient high power LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000K and 4000K; CRI ≥ 90; min. 80% of the luminous flux after 50000 hours; high-quality reflector with micro-faceted, aluminium-vaporised surface; precise radiation characteristic with different symmetrical light distributions; or with asymmetric light distribution; degree of protection IP20; PC II; optionally non-dimmable or DALI dimmable

**DE** Quadratischer Einbau-Multi-Downlight aus Aluminiumdruckguss; bestückt mit neun individuell wählbaren oder fix definierten, anwendungsspezifischen Optiken; werkzeuglose Montage im Montageset durch Kugelschnappsystem; geeignet für Deckenstärken von 2-25mm; Oberfläche weiß oder schwarz pulverbeschichtet; Einbau in unterschiedlichen Gehäusen möglich; Version mit UGR < 19 verfügbar; passive Kühlung der LEDs durch optimierte Kühlkörpergeometrie; energieeffiziente High-Power-LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000K und 4000K; CRI ≥ 90; min. 80% des Lichtstromes nach 50000h Lebensdauer; hochwertiger Reflektor mit mikrofacettierter, aluminiumbedampfter Oberfläche; präzise Abstrahlcharakteristik mit unterschiedlichen symmetrischen Lichtverteilungen; oder mit asymmetrischer Lichtverteilung; Schutzart IP20; SKII; wahlweise nicht dimmbar oder DALI-dimmbar

### Features



↑ 80 mm  
recess depth



micro-faceted  
reflector



skimmed into plaster-  
board ceiling (trimless)



### Standard configuration

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

<b>CONTROL</b>	◆
non DIM	1
DIM DALI	3
■ channel 1 ■ channel 2	

<b>LIGHT OPTIC</b>	▲
medium round 35° (UGR < 10)	B
medium square 35° (UGR < 10)	E
flood round 55° (UGR < 16)	C
flood square 55° (UGR < 19)	F
wide flood round 75°	D
wide flood square 75°	G

<b>MATERIAL COLOUR</b>	☑
white	W
black	B

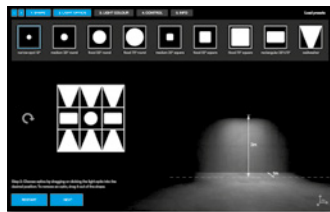


### Options on request

<b>COLOUR TEMPERATURE</b>
tunable white (2700–5000K)

<b>CONTROL</b>
ZigBee 3.0

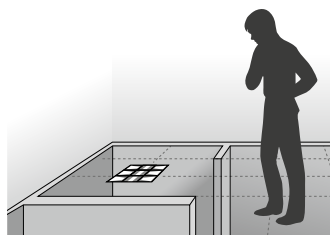
### Product configurator



Create your own UNICO  
[unico.xal.com](http://unico.xal.com)

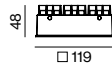
### DALI control example

▲ channel 1	■ channel 2
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The icons of the light optics are shown in the reflected ceiling plan (RCP) view.

### UNICO Q9 Applications



#### FLOOR

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
31W	3000K	■ up to 3140lm	090-7 Q9:◆▲0001
	4000K	■ up to 3350lm	

choose one light optic ▲ from the options on the left depending on your room needs



#### WALL | DIM DALI

9x wallwasher

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
31W	3000K	■ 2670lm	090-7 Q9:◆3A0001
	4000K	■ 2850lm	



#### WALL + FLOOR | 2 CHANNELS DIM DALI

3x wallwasher + 6x square medium 35°

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
31W	3000K	■ 890 ■ 1740lm	090-7 Q9:◆390001
	4000K	■ 950 ■ 1860lm	



#### WALL + CORRIDOR | 2 CHANNELS DIM DALI

3x wallwasher + 6x rectangular 35x75°

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
31W	3000K	■ 890 ■ 1870lm	090-7 Q9:◆390002
	4000K	■ 950 ■ 2000lm	



#### WALL + CORRIDOR | 2 CHANNELS DIM DALI

6x wallwasher + 3x rectangular 35x75°

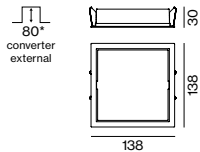
INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
31W	3000K	■ 1780 ■ 940lm	090-7 Q9:◆390003
	4000K	■ 1900 ■ 1000lm	



#### CORNER + FLOOR | 2 CHANNELS DIM DALI

4x wallwasher + 5x square medium 35°

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
31W	3000K	■ 1180 ■ 1450lm	090-7 Q9:◆390004
	4000K	■ 1270 ■ 1550lm	

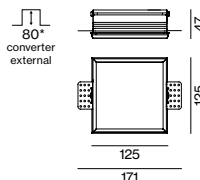


### Accessories

#### MOUNTING SET WITH TRIM

for intermediate ceilings 2–25 mm

TYPE	L-W-H (mm)	CUTOUT (mm)	ORDER CODE
Q9	138x138x30	130x130	090-7 Q9020 ☑



#### TRIMLESS MOUNTING SET

for installation in plasterboard ceilings 12/15/20/25 mm

TYPE	L-W-H (mm)	CUTOUT (mm)	ORDER CODE
Q9	122x122x47	130x130	090-7 Q90100

#### CONVERTER supply 220–240 V AC, 48 V, 50–60 Hz

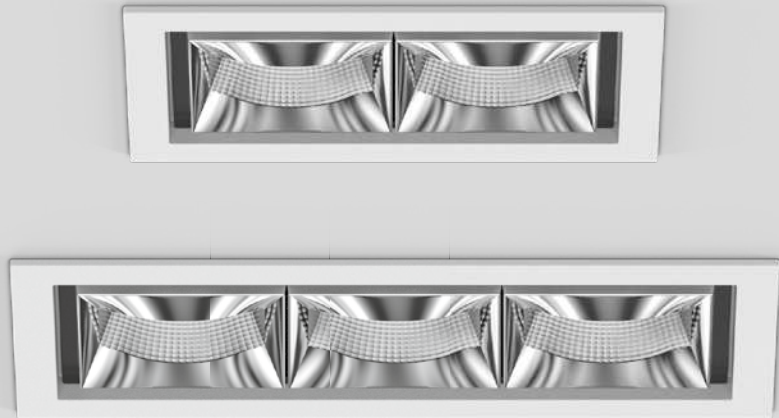
DALI signals are processed by luminaire

	45 W, □ PCI II	65 W, □ PCI II	150 W, ⊕ PCI I	320 W, ⊕ PCI I
<b>ORDER CODE</b>	002-60142	002-60143	002-60156	002-60320
<b>EFFICIENCY</b>	η 88 %	η 89 %	η 91 %	η 95 %
<b>L-W-H (mm)</b>	120x75x25	130x75x25	222x68x39	252x90x44
<b>*MOUNTING</b>	recessed	recessed	external	external
<b>Q9 with trim</b>	80 mm	80 mm	-	-
<b>Q9 trimless</b>	80 mm	80 mm	-	-

# UNICO L2/L3

## trim/trimless

[xal.com/unico](http://xal.com/unico)



### Quickinfo

#### GENERAL

recessed (with trim/trimless)  
IP20

#### LED

High-power LED  
up to 1120lm, 107lm/W per optic  
3000 K, 4000 K  
CRI ≥ 90  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination (up to UGR < 10)  
round beam angle 12/25/35/55/75°  
square beam angle 35/55/75°  
rectangular 15x75°, 35x75°  
wallwasher, wallwasher floor

#### ELECTRICAL

non DIM, DIM DALI

#### PHYSICAL

aluminium  
powder-coated

### Description

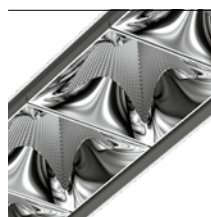
**EN** Rectangular recessed multi-downlight made of die-cast aluminium; equipped with two (L2)/three (L3) individually selectable or pre-specified, customised light elements; installation without tools in mounting set with ball catch system; suitable for ceiling thickness of 2-25 mm; surface powder coated in white or black; installation possible in different housings; also available with UGR < 19; passive cooling of LEDs with optimised heat sink geometry; energy-efficient high power LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 90; min. 80% of the luminous flux after 50 000 hours; high-quality reflector with micro-faceted, aluminium-vaporised surface; precise radiation characteristic with different symmetrical light distributions; or with asymmetric light distribution; degree of protection IP20; PC II; optionally non-dimmable or DALI dimmable

**DE** Rechteckiger Einbau-Multi-Downlight aus Aluminiumdruckguss; bestückt mit zwei (L2)/drei (L3) individuell wählbaren oder fix definierten, anwendungsspezifischen Optiken; werkzeuglose Montage im Montageset durch Kugelschnappsystem; geeignet für Deckenstärken von 2-25 mm; Oberfläche weiß oder schwarz pulverbeschichtet; Einbau in unterschiedlichen Gehäusen möglich; Versionen mit UGR < 19 verfügbar; passive Kühlung der LEDs durch optimierte Kühlkörpergeometrie; energieeffiziente High-Power-LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 90; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; hochwertiger Reflektor mit mikrofacetierter, aluminiumbedampfter Oberfläche; präzise Abstrahlcharakteristik mit unterschiedlichen symmetrischen Lichtverteilungen; oder mit asymmetrischer Lichtverteilung; Schutzart IP20; SK II; wahlweise nicht dimmbar oder DALI-dimmbar

### Features



↑ 80 mm  
recess depth



micro-faceted  
reflector



skimmed into plaster-  
board ceiling (trimless)



### Standard configuration

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

<b>CONTROL</b>	⬆️⬆️
non DIM	1
DIM DALI	3
■ channel 1    ■ channel 2	

<b>LIGHT OPTIC</b>	▲
medium round 35° (UGR < 10)	B
medium square 35° (UGR < 10)	E
flood round 55° (UGR < 16)	C
flood square 55° (UGR < 19)	F
wide flood round 75°	D
wide flood square 75°	G

<b>MATERIAL COLOUR</b>	☑️
white	W
black	B

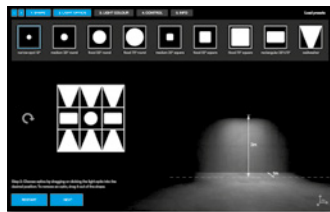


### Options on request

<b>COLOUR TEMPERATURE</b>
tunable white (2700–5000K)

<b>CONTROL</b>
ZigBee 3.0

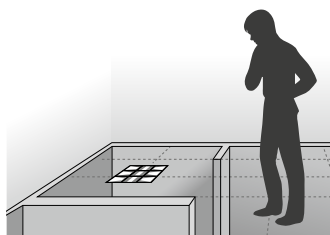
### Product configurator



Create your own UNICO  
[unico.xal.com](http://unico.xal.com)

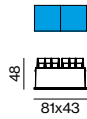
### DALI control example

▲▲▼
■ channel 1    ■ channel 2



The icons of the light optics are shown in the reflected ceiling plan (RCP) view.

### UNICO L2 / L3 Applications



<b>FLOOR / CORRIDOR</b>			
<b>INSET POWER</b>	<b>COLOUR TEMP.</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
7 W	3000 K	■ up to 700lm	0 9 0 - 7 L 2 :: ▲ 0 0 0 1
	4000 K	■ up to 740lm	

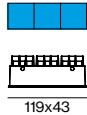
choose one light optic ▲ from the options on the left depending on your room needs



<b>WALL   DIM DALI</b>			
2x wallwasher			
<b>INSET POWER</b>	<b>COLOUR TEMP.</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
7 W	3000 K	■ 590lm	0 9 0 - 7 L 2 :: 3 A 0 0 0 1
	4000 K	■ 630lm	



<b>WALL   DIM DALI</b>			
2x wallwasher			
<b>INSET POWER</b>	<b>COLOUR TEMP.</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
7 W	3000 K	■ 590lm	0 9 0 - 7 L 2 :: 3 A 0 0 0 2
	4000 K	■ 630lm	



<b>FLOOR / CORRIDOR   DIM DALI</b>			
<b>INSET POWER</b>	<b>COLOUR TEMP.</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
10,5 W	3000 K	■ up to 1050lm	0 9 0 - 7 L 3 :: 3 ▲ 0 0 0 1
	4000 K	■ up to 1120lm	

choose one light optic ▲ from the options on the left depending on your room needs

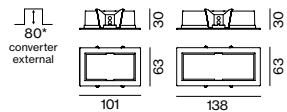


<b>WALL   DIM DALI</b>			
3x wallwasher			
<b>INSET POWER</b>	<b>COLOUR TEMP.</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
10,5 W	3000 K	■ 890lm	0 9 0 - 7 L 3 :: 3 A 0 0 0 1
	4000 K	■ 950lm	

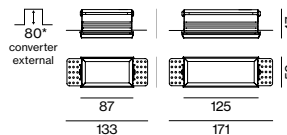


<b>WALL + CORRIDOR   2 CHANNELS DIM DALI</b>			
2x wallwasher + 1x rectangular 35x75°			
<b>INSET POWER</b>	<b>COLOUR TEMP.</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
10,5 W	3000 K	■ 590    ■ 310lm	0 9 0 - 7 L 3 :: 3 9 0 0 0 1
	4000 K	■ 630    ■ 330lm	

### Accessories



<b>MOUNTING SET WITH TRIM</b>			
for intermediate ceilings 2–25 mm			
<b>TYPE</b>	<b>L-W-H (mm)</b>	<b>CUTOUT (mm)</b>	<b>ORDER CODE</b>
L2	101x63x30	90x50	0 9 0 - 7 L 2 0 2 0 ☑️
L3	138x63x30	130x50	0 9 0 - 7 L 3 0 2 0 ☑️



<b>TRIMLESS MOUNTING SET</b>			
for installation in plasterboard ceilings 12/15/20/25 mm			
<b>TYPE</b>	<b>L-W-H (mm)</b>	<b>CUTOUT (mm)</b>	<b>ORDER CODE</b>
L2	85x47x47	90x50	0 9 0 - 7 L 2 0 1 0 0
L3	122x47x47	130x50	0 9 0 - 7 L 3 0 1 0 0

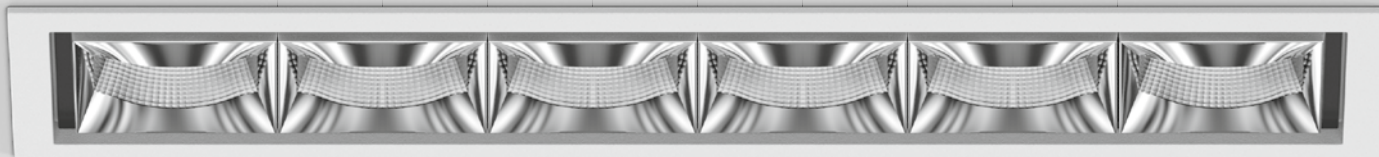
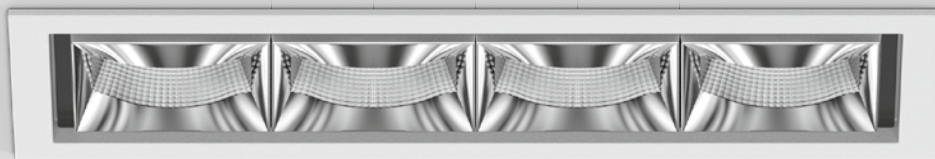
**CONVERTER** supply 220–240 V AC, 48 V, 50–60 Hz  
DALI signals are processed by luminaire

	<b>45 W, ☐ PC II</b>	<b>65 W, ☐ PC II</b>	<b>150 W, ☉ PCI</b>	<b>320 W, ☉ PCI</b>
<b>ORDER CODE</b>	002-60142	002-60143	002-60156	002-60320
<b>EFFICIENCY</b>	η 88 %	η 89 %	η 91 %	η 95 %
<b>L-W-H (mm)</b>	120x75x25	130x75x25	222x68x39	252x90x44
<b>*MOUNTING</b>	recessed	recessed	external	external
L2 with trim	120 mm	130 mm	-	-
L2 trimless	-	-	-	-
L3 with trim	130 mm	130 mm	-	-
L3 trimless	130 mm	140 mm	-	-

# UNICO L4/L6

## trim/trimless

[xal.com/unico](http://xal.com/unico)



### Quickinfo

#### GENERAL

recessed (with trim/trimless)  
IP20

#### LED

High-power LED  
up to 2230 lm, 107 lm/W per optic  
3000 K, 4000 K  
CRI ≥ 90  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination (up to UGR < 10)  
round beam angle 12/25/35/55/75°  
square beam angle 35/55/75°  
rectangular 15x75°, 35x75°  
wallwasher, wallwasher floor

#### ELECTRICAL

non DIM, DIM DALI

#### PHYSICAL

aluminium  
powder-coated

### Description

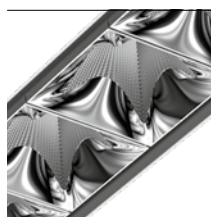
**EN** Rectangular recessed multi-downlight made of die-cast aluminium; equipped with four (L4)/six (L6) individually selectable or pre-specified, customised light elements; installation without tools in mounting set with ball catch system; suitable for ceiling thickness of 2-25 mm; surface powder coated in white or black; installation possible in different housings; also available with UGR < 19; passive cooling of LEDs with optimised heat sink geometry; energy-efficient high power LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 90; min. 80% of the luminous flux after 50 000 hours; high-quality reflector with micro-faceted, aluminum-vaporised surface; precise radiation characteristic with different symmetrical light distributions; or with asymmetric light distribution; degree of protection IP20; PC II; optionally non-dimmable or DALI dimmable

**DE** Rechteckiger Einbau-Multi-Downlight aus Aluminiumdruckguss; bestückt mit vier (L4)/sechs (L6) individuell wählbaren oder fix definierten, anwendungsspezifischen Optiken; werkzeuglose Montage im Montageset durch Kugelschnappsystem; geeignet für Deckenstärken von 2-25 mm; Oberfläche weiß oder schwarz pulverbeschichtet; Einbau in unterschiedlichen Gehäusen möglich; Versionen mit UGR < 19 verfügbar; passive Kühlung der LEDs durch optimierte Kühlkörpergeometrie; energieeffiziente High-Power-LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 90; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; hochwertiger Reflektor mit mikrofacetierter, aluminiumbedampfter Oberfläche; präzise Abstrahlcharakteristik mit unterschiedlichen symmetrischen Lichtverteilungen; oder mit asymmetrischer Lichtverteilung; Schutzart IP20; SK II; wahlweise nicht dimmbar oder DALI-dimmbar

### Features



80 mm  
recess depth



micro-faceted  
reflector



skimmed into plaster-  
board ceiling (trimless)

### Standard configuration

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

<b>CONTROL</b>	⬆️⬆️
non DIM	1
DIM DALI	3
■ channel 1    ■ channel 2	

<b>LIGHT OPTIC</b>	▲
medium round 35° (UGR < 10)	B
medium square 35° (UGR < 10)	E
flood round 55° (UGR < 16)	C
flood square 55° (UGR < 19)	F
wide flood round 75°	D
wide flood square 75°	G

<b>MATERIAL COLOUR</b>	☑️
white	W
black	B

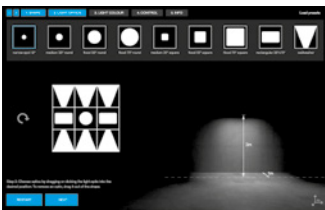


### Options on request

<b>COLOUR TEMPERATURE</b>
tunable white (2700–5000K)

<b>CONTROL</b>
ZigBee 3.0

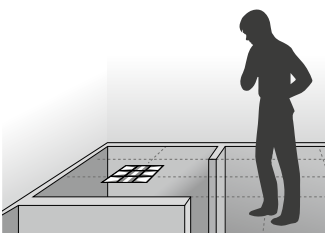
### Product configurator



Create your own UNICO  
[unico.xal.com](http://unico.xal.com)

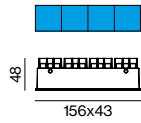
### DALI control example

▼▼▼▼▲▲▲▲
■ channel 1    ■ channel 2



The icons of the light optics are shown in the reflected ceiling plan (RCP) view.

### UNICO L4/L6 Applications



#### FLOOR / CORRIDOR | DIM DALI

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14 W	3000 K	■ up to 1390lm	090-7 L 4 ☐☐ 3 ▲ 000 1
	4000 K	■ up to 1490lm	

choose one light optic ▲ from the options on the left depending on your room needs



#### WALL | DIM DALI

4x wallwasher

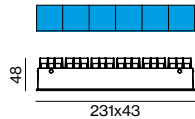
INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14 W	3000 K	■ 1180lm	090-7 L 4 ☐☐ 3 A 000 1
	4000 K	■ 1270lm	



#### WALL | DIM DALI

4x wallwasher

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14 W	3000 K	■ 1180lm	090-7 L 4 ☐☐ 3 A 000 2
	4000 K	■ 1270lm	



#### FLOOR / CORRIDOR | DIM DALI

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
21 W	3000 K	■ up to 2090lm	090-7 L 6 ☐☐ 3 ▲ 000 1
	4000 K	■ up to 2230lm	

choose one light optic ▲ from the options on the left depending on your room needs



#### WALL | DIM DALI

6x wallwasher

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
21 W	3000 K	■ 1780lm	090-7 L 6 ☐☐ 3 A 000 1
	4000 K	■ 1900lm	



#### WALL + CORRIDOR | 2 CHANNELS DIM DALI

4x wallwasher + 2x rectangular 35x75°

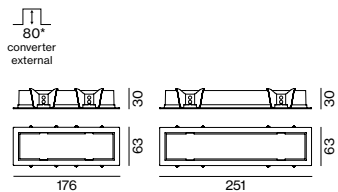
INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
21 W	3000 K	■ 1180    ■ 620lm	090-7 L 6 ☐☐ 3 9 000 1
	4000 K	■ 1270    ■ 670lm	

### Accessories

#### MOUNTING SET WITH TRIM

for intermediate ceilings 2–25 mm

TYPE	L-W-H (mm)	CUTOUT (mm)	ORDER CODE
L4	176x63x30	165x50	090-7 L 4 0 2 0 ☐
L6	251x63x30	240x50	090-7 L 6 0 2 0 ☐



#### TRIMLESS MOUNTING SET

for installation in plasterboard ceilings 12/15/20/25 mm

TYPE	L-W-H (mm)	CUTOUT (mm)	ORDER CODE
L4	160x47x47	165x50	090-7 L 4 0 1 0 0
L6	235x47x47	240x50	090-7 L 6 0 1 0 0



#### CONVERTER supply 220–240 V AC, 48 V, 50–60 Hz

DALI signals are processed by luminaire

ORDER CODE	45 W, ☐ PC II	65 W, ☐ PC II	150 W, ☐ PC I	320 W, ☐ PC I
	002-60142	002-60143	002-60156	002-60320
<b>EFFICIENCY</b>	η 88 %	η 89 %	η 91 %	η 95 %
<b>L-W-H (mm)</b>	120x75x25	130x75x25	222x68x39	252x90x44
<b>*MOUNTING</b>	recessed	recessed	external	external
☐ L4 with trim	80 mm	80 mm	-	-
☐ L4 trimless	110 mm	110 mm	-	-
☐ L6 with trim	80 mm	80 mm	-	-
☐ L6 trimless	110 mm	110 mm	-	-

# BASO 40

## trim / trimless wallwasher

[xal.com/baso](http://xal.com/baso)

### Quickinfo

#### GENERAL

recessed with trim  
recessed trimless  
IP20  
opt. concrete installation housing

#### LED

Mid-power LED  
up to 2345 lm/m  
up to 102 lm/W  
3000 K, 4000 K  
CRI ≥ 80  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination  
PMMA cover opal  
asymmetric illumination

#### ELECTRICAL

non DIM, DIM DALI

#### PHYSICAL

aluminium  
powder-coated  
halogen-free cable

#### BASO 40

surface / susp.

[page 36](#)



#### BASO 40

system

[VOL18, p. 466](#)



### Description

**EN** Luminaire housing made of extruded aluminium; recessed luminaire with trim; or for trimless installation in plasterboard ceilings; special edge design with perforations for better adhesion of filler; suitable for ceiling thickness of 8-20 mm; surface white powder coated (variant with trim) or raw (variant trimless); luminaire profile with pre-assembled converter unit can be pre-mounted on site; lighting insert can be installed without tools; with specially computed, asymmetrical lens for homogeneous vertical lighting intensity; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 80% of the luminous flux after 50 000 hours; degree of protection IP20; PCI; optional non-dimmable

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil; Einbauleuchte mit umlaufendem Rand; oder für randlosen Einbau in Gipskartondecken; spezielle Randausbildung mit Löchern für bessere Haftung der Spachtelmasse; geeignet für Deckenstärken von 8-20 mm; Oberfläche weiß pulverbeschichtet (Variante mit umlaufendem Rand) oder roh (Variante randlos); Leuchtenprofil mit vormontierter Konvertereinheit für Montage vorab montierbar; Lichteinsatz werkzeuglos montierbar; mit speziell berechneter, asymmetrischer Linse für homogene vertikale Beleuchtungsstärken; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP20; SKI; optional nicht dimmbar

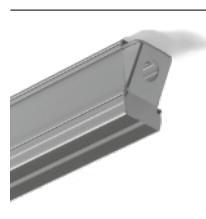
### Features



asymmetric lens



skimmed into plasterboard ceiling (trimless)



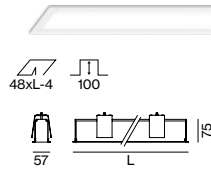
concrete housing available

### Standard configuration

COLOUR TEMPERATURE ◆◆  
3000K  5

CONTROL ◆  
DIM DALI  3

MATERIAL COLOUR  
white   

### BASO 40 trim, wallwasher



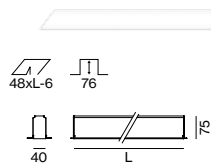
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
14 W	3000K	1320lm	619	0 4 5 - 0 5 2 2 <span style="color: blue;">◆◆</span> 7 A
	4000K	1400lm		
28 W	3000K	2640lm	1219	0 4 5 - 0 5 2 4 <span style="color: blue;">◆◆</span> 7 A
	4000K	2810lm		
41 W	3000K	3970lm	1819	0 4 5 - 0 5 2 6 <span style="color: blue;">◆◆</span> 7 A
	4000K	4210lm		
55 W	3000K	5290lm	2419	0 4 5 - 0 5 2 8 <span style="color: blue;">◆◆</span> 7 A
	4000K	5620lm		

### Extended configuration

COLOUR TEMPERATURE ◆◆◆  
4000K  6

CONTROL ◆  
non DIM  1

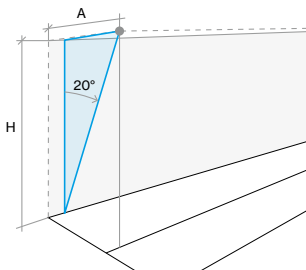
LIGHT OPTIC LENS  
asymmetric



### BASO 40 trimless, wallwasher

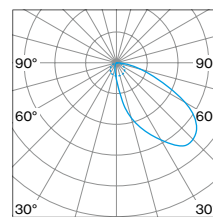


SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
14 W	3000K	1320lm	620	0 4 5 - 0 7 2 2 <span style="color: blue;">◆◆</span> 0 A
	4000K	1400lm		
28 W	3000K	2640lm	1220	0 4 5 - 0 7 2 4 <span style="color: blue;">◆◆</span> 0 A
	4000K	2810lm		
41 W	3000K	3970lm	1820	0 4 5 - 0 7 2 6 <span style="color: blue;">◆◆</span> 0 A
	4000K	4210lm		
55 W	3000K	5290lm	2420	0 4 5 - 0 7 2 8 <span style="color: blue;">◆◆</span> 0 A
	4000K	5620lm		



### LIGHT DISTRIBUTION

asymmetric

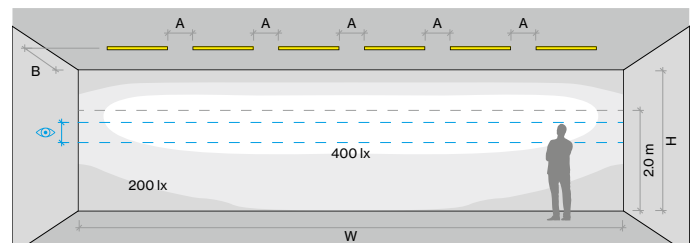


### MOUNTING DISTANCE

H (mm)	A (mm)
2750	900
3000	1000
3500	1200

### Technical data


BASO 40 wallwasher, 28 W, 3000 K



#### ROOM VALUES

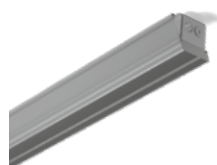
Wall dimensions H = 2.8 m | W = 10.8 m  
Distance to wall B = 1.3 m  
Distance between luminaires A = 0.5 m  
Reflection factor 0.7 | 0.5 | 0.2  
Maintenance factor 0.8

#### CALCULATION SURFACE

Surface dimensions 10.8 × 2.8 m  
Surface height 0 – 2.8 m  
Eye level  1.35 m – 1.75 m

### Order options

TYPE T  
BASO 40 trim  5  
BASO 40 trimless  7



### Mounting accessories

#### CONCRETE INSTALLATION HOUSING

L (mm)	W-H (mm)	ORDER CODE
605	55-86	045-0T92010
1205	55-86	045-0T94010
1805	55-86	045-0T96010
2405	55-86	045-0T98010

no use for wall installation (only on request)

# LENO

## trim

[xal.com/leno](http://xal.com/leno)



### Quickinfo

#### GENERAL

recessed with trim  
ceiling thickness 12,5 mm  
↓ IP 40 / ↑ IP 20  
quick installation

#### LED

Mid-power LED  
up to 2590 lm/m  
up to 126 lm/W  
3000 K, 4000 K  
CRI ≥ 80  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination  
HPO PMMA cover opal  
microprismatic (UGR < 19)  
jut-out PMMA cover  
asymmetric illumination

#### ELECTRICAL

non DIM, DIM DALI

#### PHYSICAL

aluminium  
powder-coated

**LENO**  
surface / susp.  
➔ page 38 / 40



**LENO trim**  
system  
➔ page 76



### Description

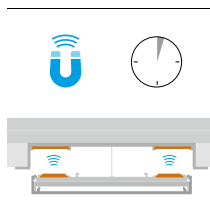
**EN** Low profile recessed channel, height 14 mm; suitable for installation in 12.5 mm ceilings, with trim; suitable for wall or ceiling mounting; surface white powder coated; easy mounting without need to cut the substructure; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light, directed downwards by LGP body (Light Guiding Prism) and highly efficient reflector; homogeneously illuminated, satinised (flush or jut-out) or microprismatic PMMA cover; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); optional with asymmetric light distribution; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 80% of the luminous flux after 50 000 hours; degree of protection from below IP 40 (from above IP 20); PC II; incl. external converter for ceiling insertion; optional non-dimmable

**DE** Extrem flacher Einbaukanal mit 14 mm Höhe; geeignet für den Einbau in 12,5 mm Decken, mit umlaufendem Rand; geeignet für die Wand- oder Deckenmontage; Oberfläche weiß pulverbeschichtet; einfache Montage ohne Schneiden der Unterkonstruktion; absturzsicherer Lichteinsatz aus stranggepresstem Aluminiumprofil werkzeuglos mittels Magnethalter in Kanal einsetzbar; seitlich eingekoppeltes Licht durch LGP-Body (Light-Guiding-Prism) und hocheffizientem Reflektor nach unten gelenkt; homogen ausgeleuchtete, satinierete (bündig oder herausragend) oder mikroprismatische Abdeckung aus PMMA; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); optional mit asymmetrischer Lichtverteilung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP 40 unten (oben IP 20); SK II; inkl. externem Konverter für Deckeneinwurf; optional nicht dimmbar

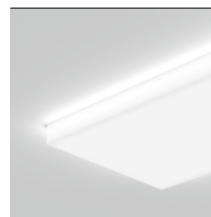
### Features



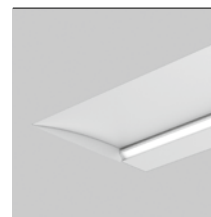
flat inset (11mm)  
UGR < 19



magnetic holders for  
tool-free mounting



jut-out PMMA cover



asymmetric  
illumination

### Standard configuration

COLOUR TEMPERATURE ⋮  
3000K 5

CONTROL ⬆  
DIM DALI 3

MATERIAL COLOUR  
white   

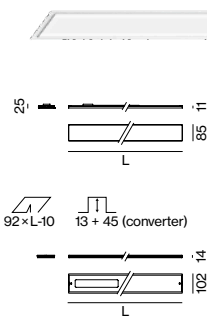

LIGHT OPTIC COVER ☑  
opal high performance H

### Extended configuration

COLOUR TEMPERATURE ⋮  
4000K 6

CONTROL ⬆  
non DIM 1

LIGHT OPTIC COVER ☑  
microprismatic (UGR < 19) G  
jut-out J  
asymmetric



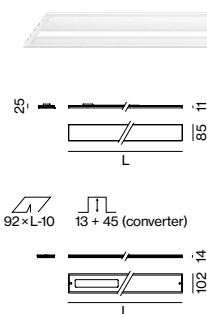
### LENO trim

#### INSET + CHANNEL TRIM



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
11W	3000K	1150lm	629	0 5 1 - 8 4 1 2 <span style="color: blue;">⋮</span> 7 <span style="color: blue;">☑</span>
	4000K	1220lm		
19W	3000K	2300lm	1237	0 5 1 - 8 4 1 4 <span style="color: blue;">⋮</span> 7 <span style="color: blue;">☑</span>
	4000K	2440lm		
29W	3000K	3450lm	1846	0 5 1 - 8 4 1 6 <span style="color: blue;">⋮</span> 7 <span style="color: blue;">☑</span>
	4000K	3670lm		
39W	3000K	4600lm	2454	0 5 1 - 8 4 1 8 <span style="color: blue;">⋮</span> 7 <span style="color: blue;">☑</span>
	4000K	4890lm		

luminous flux opal high performance, -5% microprismatic, -5% jut-out



### LENO trim, asymmetric

#### INSET + CHANNEL TRIMLESS



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
16W	3000K	1490lm	629	0 5 1 - 8 4 1 2 <span style="color: blue;">⋮</span> 7 A
	4000K	1580lm		
32W	3000K	2970lm	1237	0 5 1 - 8 4 1 4 <span style="color: blue;">⋮</span> 7 A
	4000K	3160lm		
47W	3000K	4460lm	1846	0 5 1 - 8 4 1 6 <span style="color: blue;">⋮</span> 7 A
	4000K	4740lm		
63W	3000K	5950lm	2454	0 5 1 - 8 4 1 8 <span style="color: blue;">⋮</span> 7 A
	4000K	6320lm		

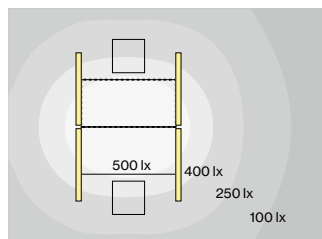
### Accessories



#### DISMOUNTING TOOL

TYPE vacuum cup ORDER CODE  
0 8 6 - 3 0 0 0 0

### Technical data



#### LENO trim, 19W, 4000K

##### ROOM VALUES

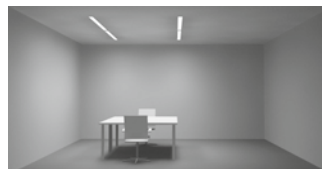
Room dimensions 5.4 × 4 × 2.8m  
Reflection factor 0.7 | 0.5 | 0.2  
Maintenance factor 0.8

##### CALCULATION SURFACE .....

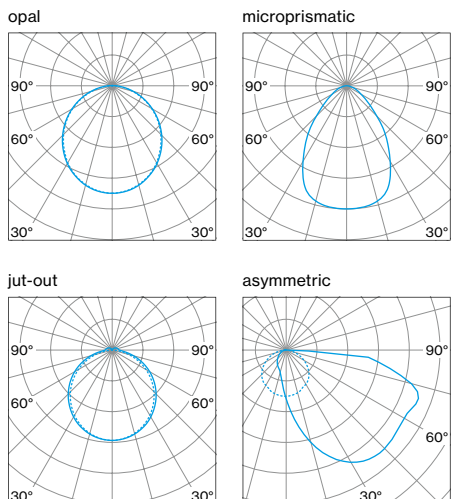
Surface dimensions 1.6 × 0.8  
Surface height 0.75  
Average illuminance (E<sub>m</sub>) > 500 lx  
Uniformity (U<sub>0</sub>) > 0.6

##### GLARE EVALUATION

Table Classification X=4H | Y=8H | S=0.25H  
UGR transversal < 19  
UGR axial < 19  
65° < 3000 cd/m<sup>2</sup>



### LIGHT DISTRIBUTION





# LENO

## trimless

[xal.com/leno](http://xal.com/leno)



### Quickinfo

#### GENERAL

recessed trimless  
ceiling thickness 12,5 mm  
↓ IP 40 / ↑ IP 20  
quick installation

#### LED

Mid-power LED  
up to 2590 lm/m  
up to 126 lm/W  
3000 K, 4000 K  
CRI ≥ 80  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination  
HPO PMMA cover opal  
microprismatic (UGR < 19)  
jut-out PMMA cover  
asymmetric illumination

#### ELECTRICAL

non DIM, DIM DALI

#### PHYSICAL

aluminium  
powder-coated

**LENO**  
surface / susp.  
➔ page 38 / 40



**LENO trimless**  
system  
➔ page 78

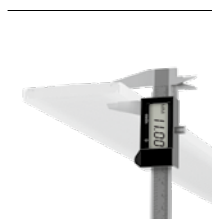


### Description

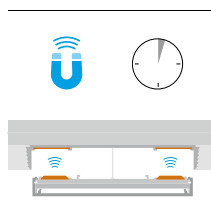
**EN** Low profile recessed channel, height 13 mm; suitable for rimless installation in 12.5 mm plasterboard ceilings; suitable for wall or ceiling mounting; surface white powder coated; special edge design with grooves for better adhesion of filler; easy mounting without need to cut the substructure; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light, directed downwards by LGP body (Light Guiding Prism) and highly efficient reflector; homogeneously illuminated, satinised (flush or jut-out) or microprismatic PMMA cover; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); optional with asymmetric light distribution; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 80% of the luminous flux after 50 000 hours; degree of protection from below IP40 (from above IP20); PC II; incl. external converter for ceiling insertion; optional non-dimmable

**DE** Extrem flacher Einbaukanal mit 13 mm Höhe; geeignet für den randlosen Einbau in 12,5 mm Gipskartondecken; geeignet für die Wand- oder Deckenmontage; Oberfläche weiß pulverbeschichtet; spezielle Randausbildung mit Rillen für bessere Haftung der Spachtelmasse; einfache Montage ohne Schneiden der Unterkonstruktion; absturzsicherer Lichteinsatz aus stranggepresstem Aluminiumprofil werkzeuglos mittels Magnethalter in Kanal einsetzbar; seitlich eingekoppeltes Licht durch LGP-Body (Light-Guiding-Prism) und hocheffizientem Reflektor nach unten gelenkt; homogen ausgeleuchtete, satinierte (bündig oder herausragend) oder mikroprismatische Abdeckung aus PMMA; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); optional mit asymmetrischer Lichtverteilung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP 40 unten (oben IP 20); SK II; inkl. externem Konverter für Deckeneinwurf; optional nicht dimmbar

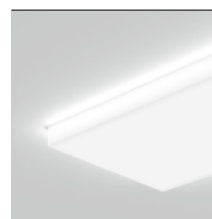
### Features



flat inset (11 mm)  
UGR < 19



magnetic holders for  
tool-free mounting



jut-out PMMA cover



asymmetric  
illumination



### Standard configuration

COLOUR TEMPERATURE ⋮  
3000K 5

CONTROL ⬆  
DIM DALI 3

MATERIAL COLOUR  
white   

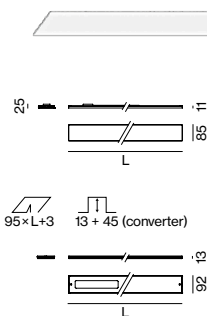

LIGHT OPTIC COVER ☐  
opal high performance H

### Extended configuration

COLOUR TEMPERATURE ⋮  
4000K 6

CONTROL ⬆  
non DIM 1

LIGHT OPTIC COVER ☐  
microprismatic (UGR < 19) G  
jut-out J  
asymmetric



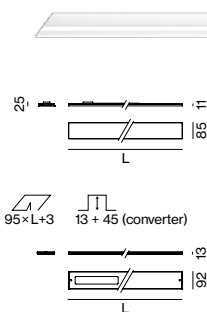
### LENO trimless

#### INSET + CHANNEL TRIMLESS



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
11W	3000K	1150lm	616	0 5 1 - 8 3 1 2 <span style="color: blue;">⋮</span> 7 <span style="color: blue;">☐</span>
	4000K	1220lm		
19W	3000K	2300lm	1224	0 5 1 - 8 3 1 4 <span style="color: blue;">⋮</span> 7 <span style="color: blue;">☐</span>
	4000K	2440lm		
29W	3000K	3450lm	1833	0 5 1 - 8 3 1 6 <span style="color: blue;">⋮</span> 7 <span style="color: blue;">☐</span>
	4000K	3670lm		
39W	3000K	4600lm	2441	0 5 1 - 8 3 1 8 <span style="color: blue;">⋮</span> 7 <span style="color: blue;">☐</span>
	4000K	4890lm		

luminous flux opal high performance, -5% microprismatic, -5% jut-out



### LENO trimless, asymmetric

#### INSET + CHANNEL TRIMLESS



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
16W	3000K	1490lm	616	0 5 1 - 8 3 1 2 <span style="color: blue;">⋮</span> 7 A
	4000K	1580lm		
32W	3000K	2970lm	1224	0 5 1 - 8 3 1 4 <span style="color: blue;">⋮</span> 7 A
	4000K	3160lm		
47W	3000K	4460lm	1833	0 5 1 - 8 3 1 6 <span style="color: blue;">⋮</span> 7 A
	4000K	4740lm		
63W	3000K	5950lm	2441	0 5 1 - 8 3 1 8 <span style="color: blue;">⋮</span> 7 A
	4000K	6320lm		

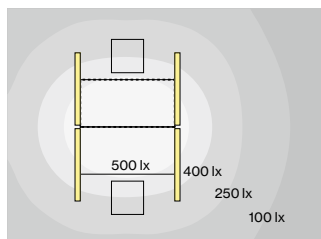
### Accessories



#### DISMOUNTING TOOL

TYPE   
vacuum cup  ORDER CODE  
0 8 6 - 3 0 0 0 0

### Technical data



#### LENO trimless, 19W, 4000K

##### ROOM VALUES

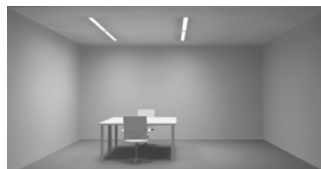
Room dimensions 5.4 × 4 × 2.8m  
Reflection factor 0.7 | 0.5 | 0.2  
Maintenance factor 0.8

##### CALCULATION SURFACE .....

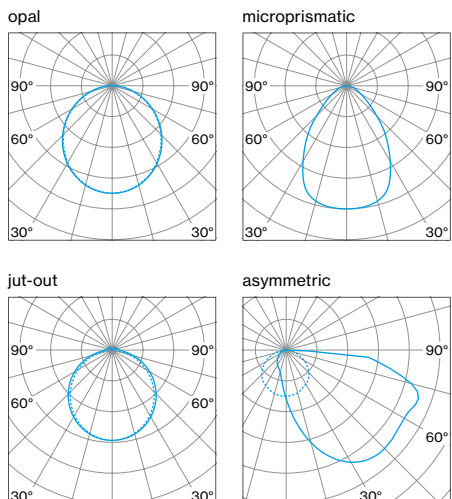
Surface dimensions 1.6 × 0.8  
Surface height 0.75  
Average illuminance (E<sub>m</sub>) > 500 lx  
Uniformity (U<sub>0</sub>) > 0.6

##### GLARE EVALUATION

Table Classification X=4H | Y=8H | S=0.25H  
UGR transversal < 19  
UGR axial < 19  
65° < 3000 cd/m<sup>2</sup>



### LIGHT DISTRIBUTION



# LENO

## semi-recessed

[xal.com/leno](http://xal.com/leno)



### Quickinfo

#### GENERAL

semi-recessed

± IP 40 / ± IP 20

quick installation

#### LED

Mid-power LED

up to 2007 lm/m

up to 126 lm/W

3000 K, 4000 K

CRI ≥ 80

Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct light 100%

HPO PMMA cover opal

microprismatic (UGR < 19)

jut-out PMMA cover

#### ELECTRICAL

DIM DALI

#### PHYSICAL

aluminium

powder-coated

**LENO**  
surface / susp.

[page 38 / 40](#)



**LENO** semi-recessed system

[page 80](#)



### Description

**EN** Low profile recessed mounted luminaire, 15 mm visible height; suitable for wall or ceiling mounting; suitable for installation in primed or exposed concrete, in plasterboard constructions and in plastered walls or ceilings; surface powder coated in white, grey or black; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light, directed downwards by LGP body (Light Guiding Prism) and highly efficient reflector; homogeneously illuminated, satinised (flush or jut-out) or microprismatic PMMA cover; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 80% of the luminous flux after 50 000 hours; degree of protection from below IP 40 (from above IP 20); PCI; DALI dimmable

**DE** Extrem flache Einbauleuchte mit 15 mm sichtbarer Höhe; geeignet für die Wand- oder Deckenmontage; geeignet für den Einbau in gespachtelten Beton oder Sichtbeton, in Gipskartonkonstruktionen und in verputzten Wänden oder Decken; Oberfläche weiß, grau oder schwarz pulverbeschichtet; absturzesicherer Lichteinsatz aus stranggepresstem Aluminiumprofil werkzeuglos mittels Magnethalter in Kanal einsetzbar; seitlich eingekoppeltes Licht durch LGP-Body (Light-Guiding-Prism) und hocheffizientem Reflektor nach unten gelenkt; homogen ausgeleuchtete, satinierte (bündig oder herausragend) oder mikroprismatische Abdeckung aus PMMA; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP 40 unten (oben IP 20); SKI; DALI-dimmbar

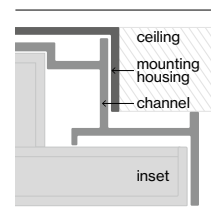
### Features



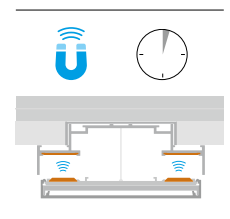
flat inset (11mm)  
UGR < 19



jut-out PMMA cover



mounting



magnetic holders for  
tool-free mounting

### Standard configuration

COLOUR TEMPERATURE  5  
3000K

CONTROL  
DIM DALI

MATERIAL COLOUR  7  
white



LIGHT OPTIC COVER  H  
opal high performance

### Extended configuration

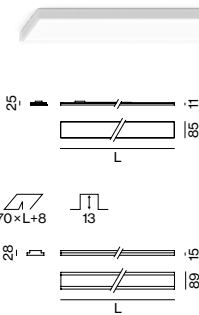
COLOUR TEMPERATURE  6  
4000K

MATERIAL COLOUR  G  
grey  
black  8



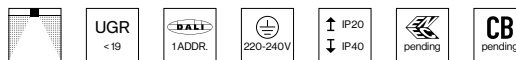
+5% surcharges

LIGHT OPTIC COVER  J  
microprismatic (UGR < 19)  
jut-out



### LENO semi-recessed

INSET + CHANNEL SEMI-RECESSED



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
11W	3000K 4000K	1150lm 1220lm	618	0 5 1 - 8 5 1 2 <input checked="" type="checkbox"/> 3 <input checked="" type="checkbox"/> <input type="checkbox"/>
19W	3000K 4000K	2300lm 2440lm	1226	0 5 1 - 8 5 1 4 <input checked="" type="checkbox"/> 3 <input checked="" type="checkbox"/> <input type="checkbox"/>
29W	3000K 4000K	3450lm 3670lm	1835	0 5 1 - 8 5 1 6 <input checked="" type="checkbox"/> 3 <input checked="" type="checkbox"/> <input type="checkbox"/>
39W	3000K 4000K	4600lm 4890lm	2443	0 5 1 - 8 5 1 8 <input checked="" type="checkbox"/> 3 <input checked="" type="checkbox"/> <input type="checkbox"/>

luminous flux opal high performance, -5% microprismatic, -5% jut-out

### Accessories

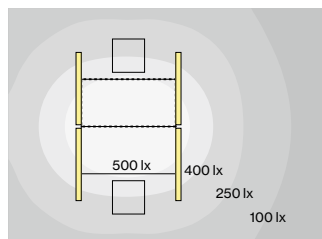


#### DISMOUNTING TOOL

TYPE  
vacuum cup

ORDER CODE  
0 8 6 - 3 0 0 0 0

### Technical data



LENO semi-recessed, 19W, 4000K

#### ROOM VALUES

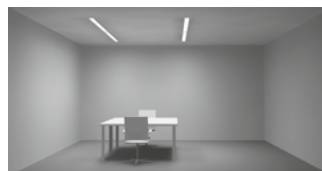
Room dimensions 5.4 × 4 × 2.8 m  
Reflection factor 0.7 | 0.5 | 0.2  
Maintenance factor 0.8

#### CALCULATION SURFACE .....

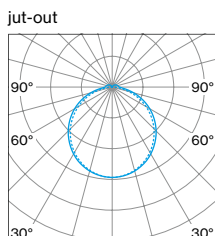
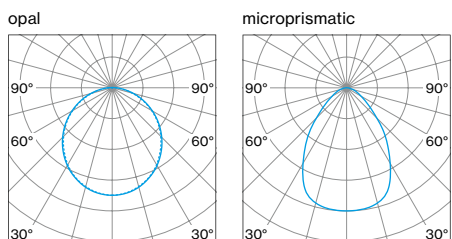
Surface dimensions 1.6 × 0.8  
Surface height 0.75  
Average illuminance (E<sub>m</sub>) > 500 lx  
Uniformity (U<sub>0</sub>) > 0.6

#### GLARE EVALUATION

Table Classification X=4H | Y=8H | S=0.25H  
UGR transversal < 19  
UGR axial < 19  
65° < 3000 cd/m<sup>2</sup>



### LIGHT DISTRIBUTION



# TASK

## round surface

[xal.com/task](http://xal.com/task)



### Quickinfo

#### GENERAL

surface mounted  
IP 40  
quick installation

#### LED

Mid-power LED  
up to 6170 lm  
up to 122 lm/W  
3000 K, 4000 K  
CRI  $\geq$  80  
Binning initial  $\leq$  3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination  
microprismatic (UGR < 19)

#### ELECTRICAL

non DIM, DIM DALI/CLO  
transparent feeder cable

#### PHYSICAL

aluminium  
powder-coated  
halogen-free cable

#### ACOUSTIC ACCESSORIES

[page 75](#)



### Description

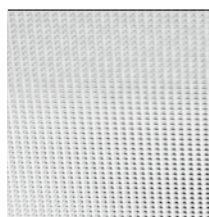
**EN** Round luminaire housing in aluminium; ultra low-profile design (only 15 mm); modern shape in an elegant design for high demands; surface powder coated in white or black; convenient quick mounting system without tools; direct light distribution by LGP body (Light Guiding Prism); side coupled light directed downwards by laser engraving; light control via highly reflective reflector material; microprismatic PMMA cover; completely homogeneous illumination; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); energy-efficient LEDs with very good colour rendering; binning initial  $\leq$  3 MacAdam; available in the light colours 3000 K and 4000 K; CRI  $\geq$  80; min. 80 % of the luminous flux after 50 000 hours; luminaire with 2 cable openings and plug-in terminals for through wiring; degree of protection IP40; PCI; DALI dimmable with CLO function; optional non-dimmable; noise reducing accessories available

**DE** Runder Leuchtenkörper aus Aluminium; extrem flache Bauform (nur 15 mm); moderne Formensprache im edlen Design für höchste Ansprüche; Oberfläche weiß oder schwarz pulverbeschichtet; komfortables, werkzeugloses Schnellmontagesystem; direkte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach unten gelenkt; Lichtlenkung mittels hochreflektierenden Reflektormaterials; mikroprismatische PMMA-Abdeckung; absolut homogene Ausleuchtung; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial  $\leq$  3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI  $\geq$  80; min. 80 % des Lichtstromes nach 50 000 h Lebensdauer; Leuchte mit 2 Kabelöffnungen und Steckklemme für Durchgangsverdrahtung; Schutzart IP40; SK I; DALI-dimmbar mit CLO-Funktion; optional nicht dimmbar; schallreduzierendes Zubehör erhältlich

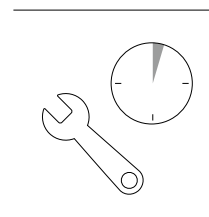
### Features



flat design (15 mm)



microprismatic  
(UGR < 19)



quick installation

### Standard configuration

**COLOUR TEMPERATURE** ⋮  
4000K 6

**CONTROL** ⬆  
DIM DALI/CLO 3

**MATERIAL COLOUR** ■  
white 7

7

**LIGHT OPTIC COVER**  
microprismatic (UGR < 19)

### Extended configuration

**COLOUR TEMPERATURE** ⋮  
3000K 5

**CONTROL** ⬆  
non DIM 1

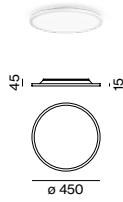
**MATERIAL COLOUR** ■  
black 8

8

+5% surcharges

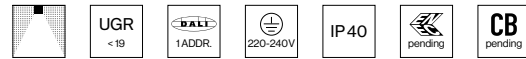
### Options on request

**COLOUR RENDERING INDEX**  
CRI ≥ 90

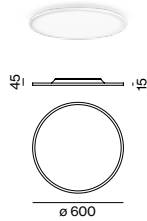


### TASK 450 round surface

**DIRECT**



SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
17W e	3000K	1900lm	0 5 9 - 0 1 4 1 <span style="color: blue;">⋮</span> <span style="color: blue;">■</span> P
	4000K	2020lm	
24W e <sup>2</sup>	3000K	2570lm	0 5 9 - 0 1 5 1 <span style="color: blue;">⋮</span> <span style="color: blue;">■</span> P
	4000K	2730lm	

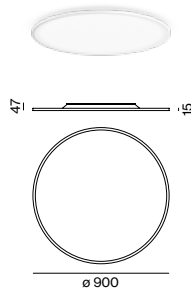


### TASK 600 round surface

**DIRECT**

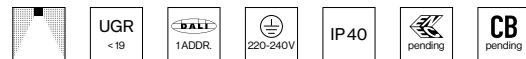


SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
31W e	3000K	3630lm	0 5 9 - 0 1 4 2 <span style="color: blue;">⋮</span> <span style="color: blue;">■</span> P
	4000K	3860lm	
42W e <sup>2</sup>	3000K	4540lm	0 5 9 - 0 1 5 2 <span style="color: blue;">⋮</span> <span style="color: blue;">■</span> P
	4000K	4820lm	



### TASK 900 round surface

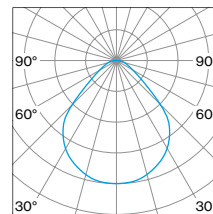
**DIRECT**



SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
51W e	3000K	5810lm	0 5 9 - 0 1 4 3 <span style="color: blue;">⋮</span> <span style="color: blue;">■</span> P
	4000K	6170lm	

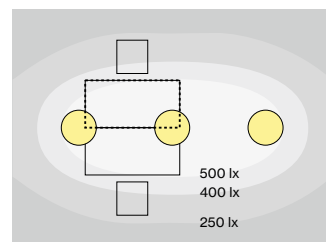
### LIGHT DISTRIBUTION

microprismatic



direct

### Technical data



**TASK ROUND 600** surface, 42W,  
4000K, direct

#### ROOM VALUES

Room dimensions 5,4 × 4 × 2,8 m  
Reflection factor 0,7 | 0,5 | 0,2  
Maintenance factor 0,8

#### CALCULATION SURFACE .....

Surface dimensions 1,6 × 0,8 m  
Surface height 0,75 m  
Average illuminance (E<sub>m</sub>) > 500 lx  
Uniformity (U<sub>0</sub>) > 0,6

#### GLARE EVALUATION

Table Classification X=4H | Y=8H | S=0,25H  
UGR transversal < 19  
UGR axial < 19  
65° < 3000 cd/m<sup>2</sup>



# TASK

## round suspended

[xal.com/task](http://xal.com/task)



### Quickinfo

#### GENERAL

suspended

IP 40

quick installation

#### LED

Mid-power LED

up to 14150 lm (± 65% / ± 35%)

up to 127 lm/W

3000 K, 4000 K

CRI ≥ 80

Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct, direct/indirect illumination

microprismatic (UGR < 19)

#### ELECTRICAL

non DIM, DIM DALI/CLO

transparent feeder cable

#### PHYSICAL

aluminium

powder-coated

halogen-free cable (internal wiring)

#### ACOUSTIC ACCESSORIES

[page 75](#)



### Description

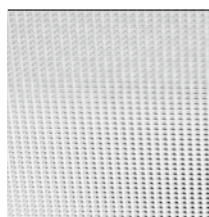
**EN** Round luminaire housing in aluminium; ultra low-profile design (only 15 mm); surface powder coated in white or black; suspended luminaire with adjustable pendant rod mounting (chrome) 1000 mm, feed in rod; optional with 1500 mm cable suspension, with integrated tool-less suspension height adjustment, incl. transparent feed; direct light distribution by LGP body (Light Guiding Prism); side coupled light directed downwards by laser engraving; light control via highly reflective reflector material; optional: indirect component with special PCBs for increased luminous flux and maximum ceiling illumination; microprismatic PMMA cover; completely homogeneous illumination; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 80% of the luminous flux after 50 000 hours; canopy with 2 cable openings and plug-in terminal for through wiring; degree of protection IP40; PCI; DALI dimmable with CLO function; optional non-dimmable; noise reducing accessories available

**DE** Runder Leuchtenkörper aus Aluminium; extrem flache Bauform (nur 15 mm); Oberfläche weiß oder schwarz pulverbeschichtet; Pendelleuchte mit kürzbarer Pendelrohrabhängung (chrom) 1000 mm, Einspeiseleitung in Pendelrohr; optional mit 1500 mm Seilabhängung, werkzeuglose Höhenverstellung an der Leuchte, inkl. transparenter Einspeiseleitung; direkte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach unten gelenkt; Lichtlenkung mittels hochreflektierenden Reflektormaterials; optional: Indirektlichtanteil mit eigenen Platinen für erhöhten Lichtstrom und maximale Deckenaufhellung; mikroprismatische PMMA-Abdeckung; absolut homogene Ausleuchtung; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; Baldachin mit 2 Kabelöffnungen und Steckklemme für Durchgangsverdrahtung; Schutzart IP40; SKI; DALI-dimmbar mit CLO-Funktion; optional nicht dimmbar; schallreduzierendes Zubehör erhältlich

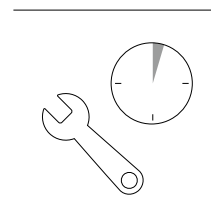
### Features



flat design (15 mm)



microprismatic  
(UGR < 19)




quick installation

**Standard configuration**

**SUSPENSION**    
rod 1000mm 4

**COLOUR TEMPERATURE**    
4000K 6

**CONTROL**    
DIM DALI/CLO 3

**MATERIAL COLOUR**    
white 7



**LIGHT OPTIC COVER**   
microprismatic (UGR < 19)

**Extended configuration**

**SUSPENSION**    
cable 1500mm 2

**COLOUR TEMPERATURE**    
3000K 5

**CONTROL**    
non DIM 1

**MATERIAL COLOUR**    
black 8

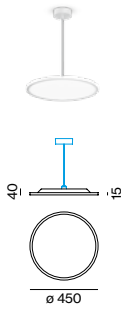


+5% surcharges

**Options on request**

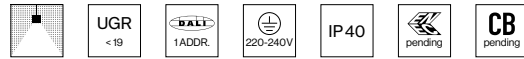
**COLOUR RENDERING INDEX**   
CRI ≥ 90


**SUSPENSION**   
rod 2000mm



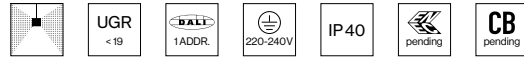
**TASK 450 round suspended**





**DIRECT**

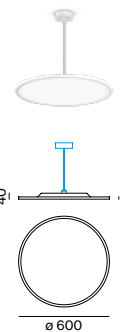


SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
17W e	3000K 4000K	1900lm 2020lm	0 5 9 - 0 4 1 ::    P

**DIRECT / INDIRECT POWER**






SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
40W e <sup>2</sup>	3000K 4000K	↓ 2900 / ↑ 1520 lm ↓ 3090 / ↑ 1610 lm	0 5 9 - 0 4 6 1 ::     P



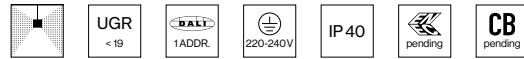
**TASK 600 round suspended**





**DIRECT**

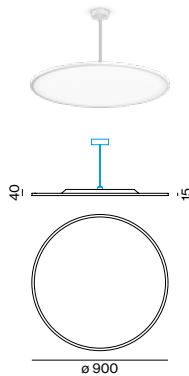


SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
31W e	3000K 4000K	3630lm 3860lm	0 5 9 - 0 4 2 ::    P

**DIRECT / INDIRECT POWER**






SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
47W e <sup>2</sup>	3000K 4000K	↓ 3630 / ↑ 1850 lm ↓ 3860 / ↑ 1970 lm	0 5 9 - 0 4 6 2 ::     P



**TASK 900 round suspended**





**DIRECT**



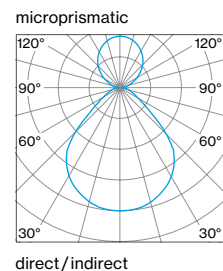
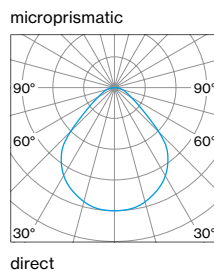
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
51W e	3000K 4000K	5810lm 6170lm	0 5 9 - 0 4 3 ::    P

**DIRECT / INDIRECT POWER**



SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
112W e <sup>2</sup>	3000K 4000K	↓ 8470 / ↑ 4850 lm ↓ 9000 / ↑ 5160 lm	0 5 9 - 0 4 6 3 ::     P

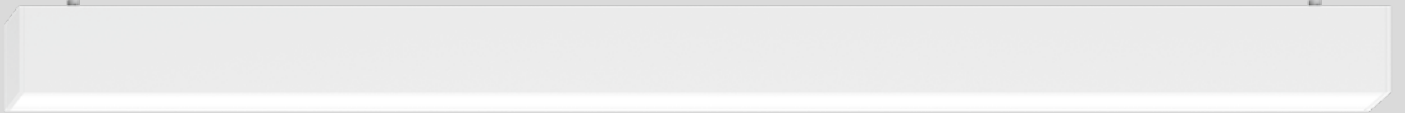
**LIGHT DISTRIBUTION**



# BASO 40

## surface / suspended wallwasher

[xal.com/baso](http://xal.com/baso)



### Quickinfo

#### GENERAL

surface mounted  
suspended  
IP20

#### LED

Mid-power LED  
up to 2345 lm/m  
up to 102 lm/W  
3000 K, 4000 K  
CRI ≥ 80  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80 / 50 000 h

#### OPTICAL

direct illumination  
PMMA cover opal  
asymmetric illumination

#### ELECTRICAL

non DIM, DIM DALI

#### PHYSICAL

aluminium  
powder-coated  
halogen-free cable (internal wiring)

**BASO 40**  
trim / trimless  
[page 24](#)

**BASO 40**  
system  
[VOL18, p. 466](#)

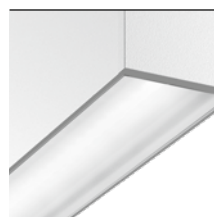


### Description

**EN** Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated in white, grey, dark grey, black, beige or dark brown; luminaire profile with pre-assembled converter unit can be pre-mounted on site; lighting insert can be installed without tools; surface mounted or suspended luminaire with 1500 mm cable suspension; with integrated tool-less suspension height adjustment; freely positioned attachment to the luminaire; incl. transparent feed; with specially computed, asymmetrical lens for homogeneous vertical lighting intensity; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 80% of the luminous flux after 50 000 hours; degree of protection IP20; PCI; optional non-dimmable

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; keine sichtbaren Schrauben; Oberfläche weiß, grau, dunkelgrau, schwarz, beige oder dunkelbraun pulverbeschichtet; Leuchtenprofil mit vormontierter Konvertereinheit für Montage vorab montierbar; Lichteinsatz werkzeuglos montierbar; Anbau- bzw. Pendelleuchte mit 1500 mm Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; Befestigung an der Leuchte frei positionierbar; inkl. transparenter Einspeiseleitung; mit speziell berechneter, asymmetrischer Linse für homogene vertikale Beleuchtungsstärken; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP20; SKI; optional nicht dimmbar

### Features



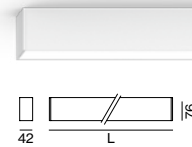
asymmetric lens



### Standard configuration

<b>COLOUR TEMPERATURE</b>	3000K	5
<b>CONTROL</b>	DIM DALI	3
<b>MATERIAL COLOUR</b>	white	7

7



### BASO 40 surface, wallwasher



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
14W	3000K	1320lm	609	0 4 5 - 1 1 2 2 :: ◆ □ A
	4000K	1400lm		
28W	3000K	2640lm	1209	0 4 5 - 1 1 2 4 :: ◆ □ A
	4000K	2810lm		
41W	3000K	3970lm	1809	0 4 5 - 1 1 2 6 :: ◆ □ A
	4000K	4210lm		
55W	3000K	5290lm	2409	0 4 5 - 1 1 2 8 :: ◆ □ A
	4000K	5620lm		

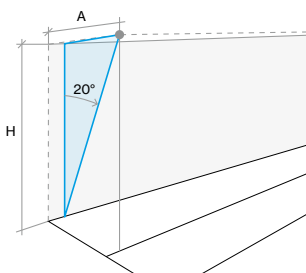
### Extended configuration

<b>COLOUR TEMPERATURE</b>	4000K	6
<b>CONTROL</b>	non DIM	1
<b>MATERIAL COLOUR</b>	beige grey dark grey dark brown black	K G D N 8



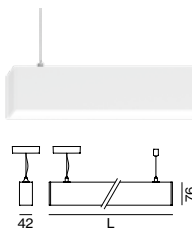
+5% surcharges

**LIGHT OPTIC LENS**  
asymmetric



### MOUNTING DISTANCE

H (mm)	A (mm)
2750	900
3000	1000
3500	1200



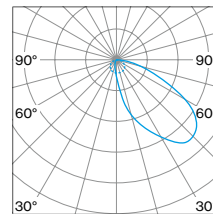
### BASO 40 suspended, wallwasher



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
14W	3000K	1320lm	609	0 4 5 - 1 2 2 2 :: ◆ □ A
	4000K	1400lm		
28W	3000K	2640lm	1209	0 4 5 - 1 2 2 4 :: ◆ □ A
	4000K	2810lm		
41W	3000K	3970lm	1809	0 4 5 - 1 2 2 6 :: ◆ □ A
	4000K	4210lm		
55W	3000K	5290lm	2409	0 4 5 - 1 2 2 8 :: ◆ □ A
	4000K	5620lm		

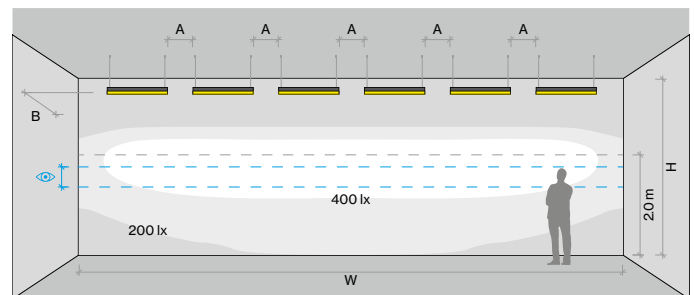
### LIGHT DISTRIBUTION

asymmetric



### Technical data

**BASO 40** suspended, wallwasher, 28W, 3000K



#### ROOM VALUES

Wall dimensions	H = 2.8m   W = 10.8m
Distance to wall	B = 1.3m
Distance between Luminaires	A = 0.5m
Suspension height	2.8m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8

#### CALCULATION SURFACE

Surface dimensions	10.8 × 3.5m
Surface height	0 – 3.5m
Eye level	1.35m – 1.75m

# LENO

## surface

[xal.com/leno](http://xal.com/leno)



### Quickinfo

#### GENERAL

surface mounted  
 ↓ IP 40 / ↑ IP 20  
 quick installation

#### LED

Mid-power LED  
 up to 2007 lm/m  
 up to 126 lm/W  
 3000 K, 4000 K  
 CRI ≥ 80  
 Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination  
 HPO PMMA cover opal  
 microprismatic (UGR < 19)  
 jut-out PMMA cover

#### ELECTRICAL

DIM DALI

#### PHYSICAL

aluminium  
 powder-coated  
 halogen-free cable

**LENO**  
 trim/trimless

🔗 [page 26/28](#)

**LENO** surface  
 system

🔗 [page 82](#)



### Description

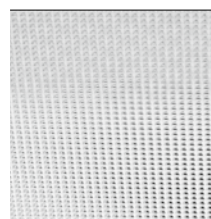
**EN** Low profile surface mounted luminaire, 28 mm total height; suitable for wall or ceiling mounting; surface powder coated in white, grey or black; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light, directed downwards by LGP body (Light Guiding Prism) and highly efficient reflector; homogeneously illuminated, satinised (flush or jut-out) or microprismatic PMMA cover; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 80 % of the luminous flux after 50 000 hours; degree of protection from below IP 40 (from above IP 20); PCI; DALI dimmable

**DE** Extrem flache Anbauleuchte mit 28 mm Gesamthöhe; geeignet für die Wand- oder Deckenmontage; Oberfläche weiß, grau oder schwarz pulverbeschichtet; absturzesicherer Lichteinsatz aus stranggepresstem Aluminiumprofil werkzeuglos mittels Magnethalter in Kanal einsetzbar; seitlich eingekoppeltes Licht durch LGP-Body (Light-Guiding-Prism) und hocheffizientem Reflektor nach unten gelenkt; homogen ausgeleuchtete, satinierte (bündig oder herausragend) oder mikroprismatische Abdeckung aus PMMA; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80 % des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP 40 unten (oben IP 20); SKI; DALI-dimmbar

### Features



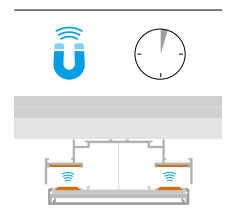
flat design (28 mm)



microprismatic (UGR < 19)



jut-out PMMA cover



magnetic holders for tool-free mounting

### Standard configuration

COLOUR TEMPERATURE ⋮  
3000K 5

CONTROL  
DIM DALI

MATERIAL COLOUR ☑  
white 7



LIGHT OPTIC COVER ☑  
opal high performance H

### Extended configuration

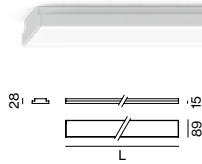
COLOUR TEMPERATURE ⋮  
4000K 6

MATERIAL COLOUR ☑  
grey G  
black 8



+5% surcharges

LIGHT OPTIC COVER ☑  
microprismatic (UGR < 19) G  
jut-out J



### LENO surface

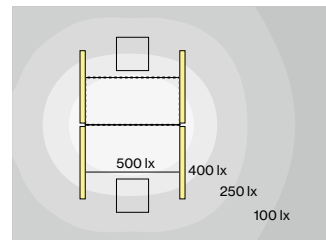
#### INSET + CHANNEL SURFACE



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
11W	3000K	1150lm	618	0 5 1 - 9 1 1 2 :: 3 ☑ ☑
	4000K	1220lm		
19W	3000K	2300lm	1226	0 5 1 - 9 1 1 4 :: 3 ☑ ☑
	4000K	2440lm		
29W	3000K	3450lm	1835	0 5 1 - 9 1 1 6 :: 3 ☑ ☑
	4000K	3670lm		
39W	3000K	4600lm	2443	0 5 1 - 9 1 1 8 :: 3 ☑ ☑
	4000K	4890lm		

luminous flux opal high performance, -5% microprismatic, -5% jut-out

### Technical data

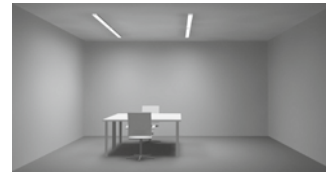


LENO surface, microprismatic,  
19W, 4000K

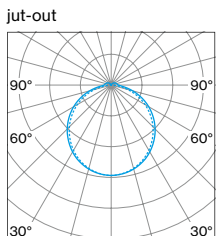
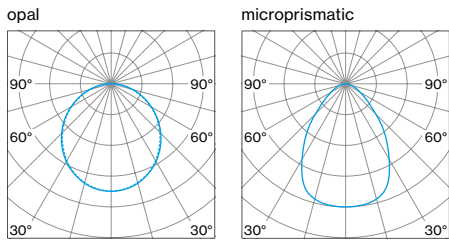
**ROOM VALUES**  
Room dimensions 5.4 × 4 × 2.8m  
Reflection factor 0.7 | 0.5 | 0.2  
Maintenance factor 0.8

**CALCULATION SURFACE** .....  
Surface dimensions 1.6 × 0.8  
Surface height 0.75  
Average illuminance (E<sub>m</sub>) > 500 lx  
Uniformity (U<sub>0</sub>) > 0.6

**GLARE EVALUATION**  
Table Classification X=4H | Y=8H | S=0.25H  
UGR transversal < 19  
UGR axial < 19  
65° < 3000 cd/m<sup>2</sup>



### LIGHT DISTRIBUTION



# LENO

## suspended

[xal.com/leno](http://xal.com/leno)



### Quickinfo

#### GENERAL

suspended

IP20

quick installation

#### LED

Mid-power LED

up to 2007 lm/m

up to 126 lm/W

3000 K, 4000 K

CRI ≥ 80

Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50000h

#### OPTICAL

direct illumination

HPO PMMA cover opal

microprismatic (UGR < 19)

jut-out PMMA cover

#### ELECTRICAL

DIM DALI

#### PHYSICAL

aluminium

powder-coated

halogen-free cable (internal wiring)

#### LENO

trim/trimless

[page 26/28](#)



#### LENO susp.

system

[page 84](#)



### Description

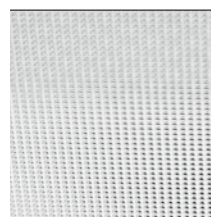
**EN** Low profile suspended luminaire, 28 mm total height; luminaire with 1500 mm cable suspension; with integrated tool-less suspension height adjustment; incl. transparent feed; surface powder coated in white, grey or black; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light, directed downwards by LGP body (Light Guiding Prism) and highly efficient reflector; homogeneously illuminated, satinised (flush or jut-out) or microprismatic PMMA cover; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 80% of the luminous flux after 50 000 hours; degree of protection IP20; PC I; DALI dimmable

**DE** Extrem flache Pendelleuchte mit 28 mm Gesamthöhe; Leuchte mit 1500 mm Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; inkl. transparenter Einspeiseleitung; Oberfläche weiß, grau oder schwarz pulverbeschichtet; absturzesicherer Lichteinsatz aus stranggepresstem Aluminiumprofil werkzeuglos mittels Magnethalter in Kanal einsetzbar; seitlich eingekoppeltes Licht durch LGP-Body (Light-Guiding-Prism) und hocheffizientem Reflektor nach unten gelenkt; homogen ausgeleuchtete, satinierte (bündig oder herausragend) oder mikroprismatische Abdeckung aus PMMA; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP20; SK I; DALI-dimmbar

### Features



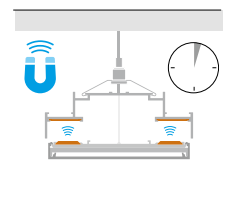
flat design (28 mm)



microprismatic (UGR < 19)



jut-out PMMA cover



magnetic holders for tool-free mounting

### Standard configuration

COLOUR TEMPERATURE ⋮  
3000K 5

CONTROL  
DIM DALI

MATERIAL COLOUR ☑  
white 7



LIGHT OPTIC COVER ☑  
opal high performance H

### Extended configuration

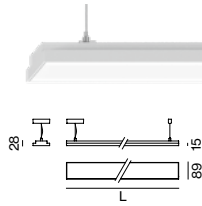
COLOUR TEMPERATURE ⋮  
4000K 6

MATERIAL COLOUR ☑  
grey G  
black 8



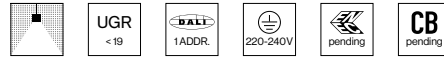
+5% surcharges

LIGHT OPTIC COVER ☑  
microprismatic (UGR < 19) G  
jut-out J



### LENO suspended

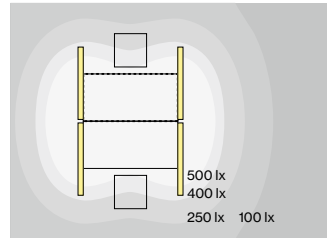
#### INSET + CHANNEL SUSPENDED



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
11W	3000K	1150lm	618	0 5 1 - 9 2 1 2 :: 3 ☑ ☑
	4000K	1220lm		
19W	3000K	2300lm	1226	0 5 1 - 9 2 1 4 :: 3 ☑ ☑
	4000K	2440lm		
29W	3000K	3450lm	1835	0 5 1 - 9 2 1 6 :: 3 ☑ ☑
	4000K	3670lm		
39W	3000K	4600lm	2443	0 5 1 - 9 2 1 8 :: 3 ☑ ☑
	4000K	4890lm		

luminous flux opal high performance, -5% microprismatic, -5% jut-out

### Technical data



LENO suspended, microprismatic,  
19W, 4000K

#### ROOM VALUES

Room dimensions	5.4 × 4 × 2.8m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Mounting height	2.25m

#### CALCULATION SURFACE .....

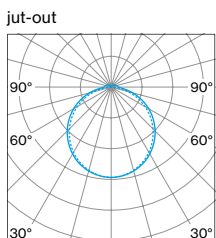
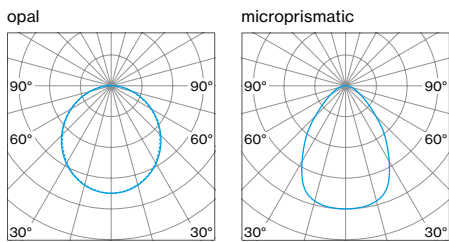
Surface dimensions	1.6 × 0.8
Surface height	0.75
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6

#### GLARE EVALUATION

Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	< 19
UGR axial	< 19
65° < 3000 cd/m <sup>2</sup>	



### LIGHT DISTRIBUTION



# LITO 40

## suspended

[xal.com/lito](http://xal.com/lito)



### Quickinfo

#### GENERAL

suspended  
IP20

#### LED

Mid-power LED  
up to 4590lm/m (↓ 75%/↑ 25%)  
up to 113lm/W  
3000K, 4000K  
CRI ≥ 80  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50000h

#### OPTICAL

direct/indirect illumination  
reflector (UGR < 19)

#### ELECTRICAL

non DIM, DIM DALI  
daylight & movement sensor  
transparent feeder cable

#### PHYSICAL

aluminium  
powder-coated  
halogen-free cable (internal wiring)

### Description

**EN** Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated in white, grey or black; Suspended luminaire with 1500 mm cable suspension; with integrated tool-less suspension height adjustment; spring clip attachment to the luminaire; freely positionable; incl. transparent feed; light inset made from extruded profile for improved thermal management; high-quality, aluminium, vapour deposition coated reflector with faceted lens design; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); direct/indirect light distribution; Indirect light component with integrated PC boards and high-quality lens system for maximum, homogeneous ceiling illumination; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000K and 4000K; CRI ≥ 80; min. 80% of the luminous flux after 50 000 hours; degree of protection IP20; PCI; optionally non-dimmable or DALI dimmable; optionally with integrated infrared presence and brightness sensor

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; keine sichtbaren Schrauben; Oberfläche weiß, grau oder schwarz pulverbeschichtet; Pendelleuchte mit 1500 mm Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; Befestigung an der Leuchte mittels Federclips; frei positionierbar; inkl. transparenter Einspeisung; Lichteinsatz aus Strangpressprofil für verbessertes Thermomanagement; hochwertiger, aluminiumbedampfter Reflektor mit Facettenoptik; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); direkt/indirekte Abstrahlcharakteristik; Indirektlichtanteil mit eigenen Platinen und hochwertiger Linsenoptik für maximale, homogene Deckenaufhellung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000K und 4000K; CRI ≥ 80; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP20; SKI; wahlweise nicht dimmbar oder DALI-dimmbar; optional mit integriertem Infrarot Anwesenheits- und Helligkeitssensor

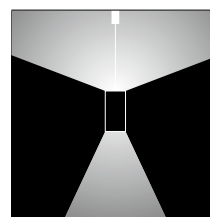
### Features



chrome reflector  
(UGR < 19)



direct/indirect light  
distribution



170° indirect  
illumination

### Standard configuration

**COLOUR TEMPERATURE** ⬆ ⬇ ⬆  
4000 K 6

**CONTROL** ⬆ ⬇ ⬆  
non DIM 1  
DIM DALI 3

**MATERIAL COLOUR** ☑  
white 7



**LIGHT OPTIC COVER**  
chrome reflector (UGR < 19)

### Extended configuration

**COLOUR TEMPERATURE** ⬆ ⬇ ⬆  
3000 K 5

**CONTROL** ⬆ ⬇ ⬆  
daylight & movement sensor 7

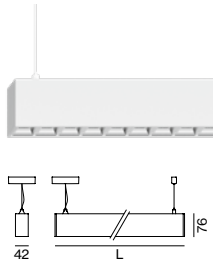
**MATERIAL COLOUR** ☑  
grey G  
black 8



+5% surcharges

### Options on request

**REFLECTOR COLOUR**  
black high gloss



### LITO 40 suspended

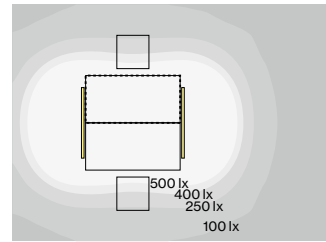
DIRECT/INDIRECT



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
51W	3000 K ↓ 3920/± 1250lm 4000 K ↓ 4160/± 1330lm		1210	0 4 5 - 2 2 2 4 <span style="color: blue;">⬆ ⬇ ⬆</span> <span style="color: blue;">☑</span> R
77W	3000 K ↓ 5880/± 1870lm 4000 K ↓ 6240/± 1990lm		1810	0 4 5 - 2 2 2 6 <span style="color: blue;">⬆ ⬇ ⬆</span> <span style="color: blue;">☑</span> R
97W	3000 K ↓ 7830/± 2500lm 4000 K ↓ 8320/± 2650lm		2410	0 4 5 - 2 2 2 8 <span style="color: blue;">⬆ ⬇ ⬆</span> <span style="color: blue;">☑</span> R

luminous flux chrome reflector

### Technical data



**LITO 40** suspended, 51W, 4000K  
direct/indirect

**ROOM VALUES**

Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Mounting height	2.25 m

**CALCULATION SURFACE** ..... 1.6 × 0.8

Surface dimensions	1.6 × 0.8
Surface height	0.75
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6

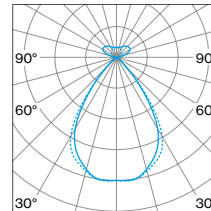


**GLARE EVALUATION**

Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	< 19
UGR axial	< 19
65° < 3000 cd/m <sup>2</sup>	

### LIGHT DISTRIBUTION

chrome reflector



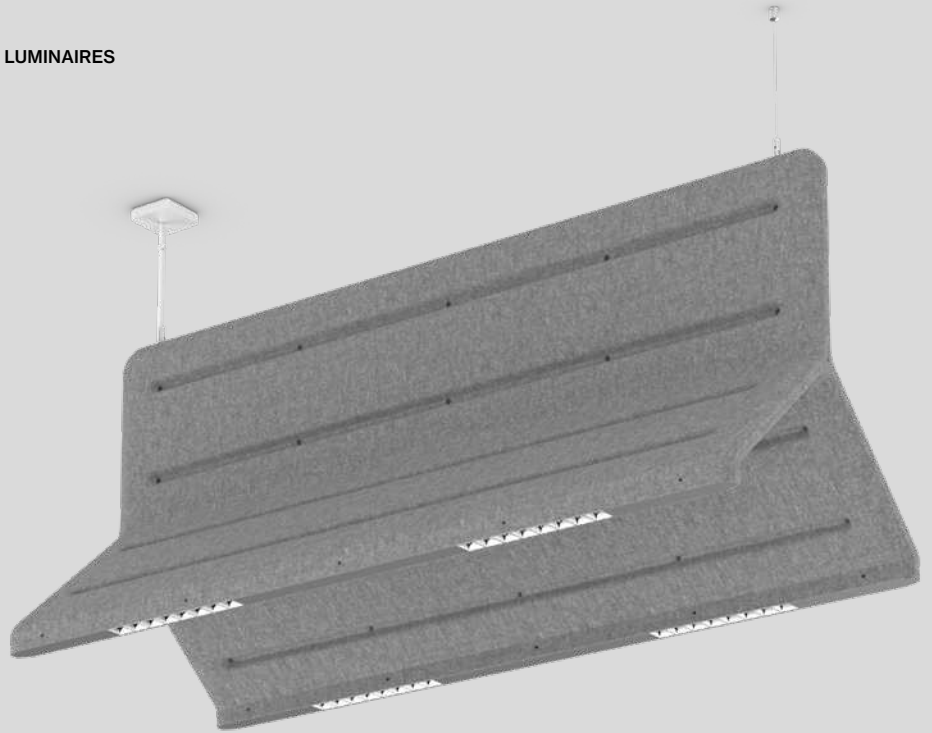
direct/indirect



# MUSE DOUBLE LIGHT

## acoustic suspended

[xal.com/muse](http://xal.com/muse)



### Quickinfo

#### GENERAL

suspended  
IP20

#### LED

Mid-power LED  
up to 4160 lm  
up to 101 lm/W  
3000 K, 4000 K  
CRI ≥ 80  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination  
reflector (UGR < 19)

#### ELECTRICAL

non DIM, DIM DALI  
transparent feeder cable

#### ACOUSTIC

absorber  
up to absorption class A

#### PHYSICAL

PET felt  
from recycled material  
colour range  
halogen-free cable (internal wiring)

### Description

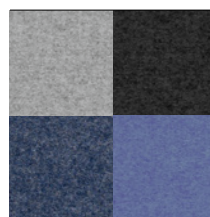
**EN** Luminaire body made of high-quality, self-supporting polyester fleece with sound absorbing properties; high-quality visual and tactile surface, available in felt grey, anthracite, indigo blue or bright blue options; constructed of 2 shells to form cavities that improve acoustic performance; large sound absorbing surface; Suspended luminaire with 1500 mm cable suspension; optimised for the illumination of 2 office workstations opposite each other; with integrated tool-less suspension height adjustment; incl. transparent feed; light inset made from extruded profile for improved thermal management; high-quality, aluminium, vapour deposition coated reflector with faceted lens design; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 80% of the luminous flux after 50 000 hours; degree of protection IP20; PCI; up to absorber class A; DALI dimmable; optional non-dimmable

**DE** Leuchtenkörper aus hochwertigem, selbsttragendem Polyester-Vlies mit schallabsorbierenden Eigenschaften; optisch und haptisch hochwertige Oberfläche, wahlweise filzgrau, anthrazit, indigoblau oder hellblau; Aufbau aus 2 Schalen, dadurch bilden sich Hohlräume zur Verbesserung der akustischen Performance; große schallabsorbierende Oberfläche; Pendelleuchte mit 1500 mm Seilabhängung; optimiert zur Ausleuchtung von 2 gegenüberliegend angeordneten Büroarbeitsplätzen; werkzeuglose Höhenverstellung an der Leuchte; inkl. transparenter Einspeiseleitung; Lichteinsatz aus Strangpressprofil für verbessertes Thermomanagement; hochwertiger, aluminiumbedampfter Reflektor mit Facettenoptik; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP20; SK I; bis zu Absorberklasse A; DALI-dimmbar; optional nicht dimmbar

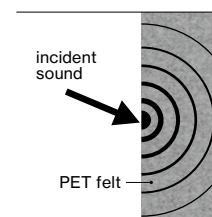
### Features



chrome reflector  
(UGR < 19)



colour range



sound absorption

### Standard configuration

COLOUR TEMPERATURE ⬢⬢  
4000K 6

CONTROL ⬢  
DIM DALI 3

MATERIAL COLOUR ⬢  
felt grey G  
anthracite B  
indigo blue E  
bright blue P



other colours on request

LIGHT INSET COLOUR  
grey cover / chrome reflector

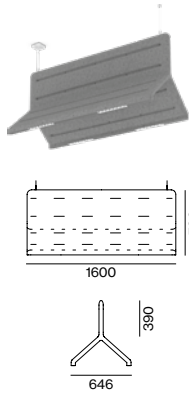
### Extended configuration

COLOUR TEMPERATURE ⬢⬢  
3000K 5

CONTROL ⬢  
non DIM 1

### Options on request

LIGHT INSET COLOUR  
black cover / black reflector   
white cover / chrome reflector   
black cover / chrome reflector



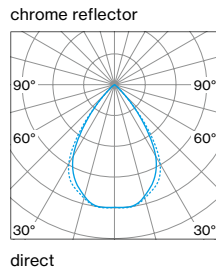
### MUSE DOUBLE LIGHT acoustic suspended



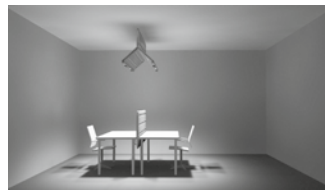
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
41W	3000K	3920lm	1600	0 9 1 - 1 2 2 1 <span style="color: blue;">⬢⬢</span> <span style="color: blue;">⬢</span> F
	4000K	4160lm		

luminous flux chrome reflector (UGR <19)

### LIGHT DISTRIBUTION



### Lighting calculations



**MUSE DOUBLE LIGHT**  
41W direct, 4000K, reflector  
**+ MUSE DESK HIGH**

**ROOM VALUES**

Room dimensions	5.4 × 4 × 3 m
Room volume	64.8 m <sup>3</sup>
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Mounting height	2.23 m

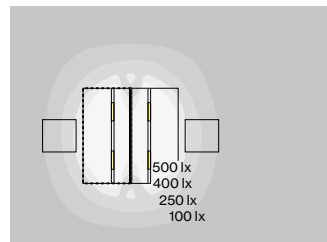
**CALCULATION SURFACE** .....

Surface dimensions	1.6 × 0.8
Surface height	0.75 m
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6

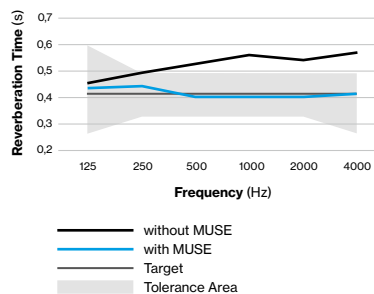
**GLARE EVALUATION**

Table Classification X=4H | Y=8H | S=0.25H

UGR transversal	< 19
UGR axial	< 19
65° < 3000 cd/m <sup>2</sup>	



### Acoustic calculations



**ACOUSTIC PARAMETERS**

Target Reverberation Time	0.41s*
RT without MUSE	0.52s
RT with MUSE	0.41s

\*according to DIN 18041, room category A3 (education/communication)

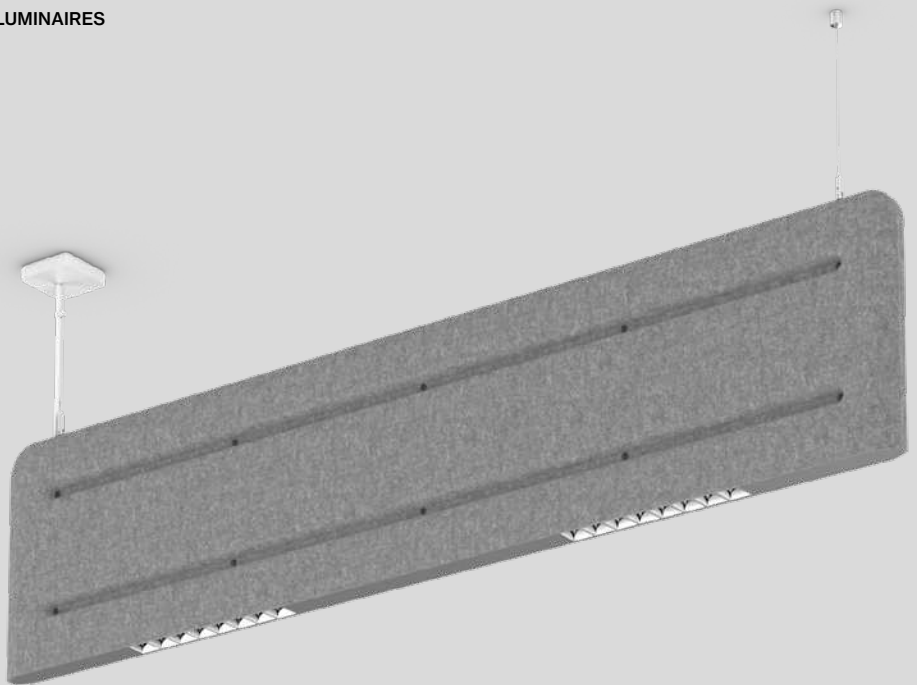
**MATERIALS**

Walls	Hardboard
Ceiling	Gypsum Board
Floor	Carpet

# MUSE LIGHT

## acoustic suspended

[xal.com/muse](http://xal.com/muse)



### Quickinfo

#### GENERAL

suspended  
IP20

#### LED

Mid-power LED  
up to 2080 lm  
up to 101 lm/W  
3000 K, 4000 K  
CRI ≥ 80  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination  
reflector (UGR < 19)

#### ELECTRICAL

non DIM, DIM DALI  
transparent feeder cable

#### ACOUSTIC

absorber  
up to absorption class A

#### PHYSICAL

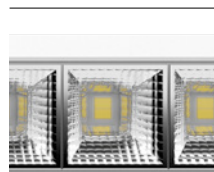
PET felt  
from recycled material  
colour range  
halogen-free cable (internal wiring)

### Description

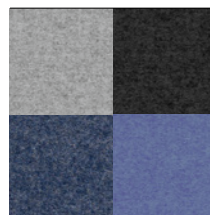
**EN** Luminaire body made of high-quality, self-supporting polyester fleece with sound absorbing properties; high-quality visual and tactile surface, available in felt grey, anthracite, indigo blue or bright blue options; constructed of 2 shells to form cavities that improve acoustic performance; large sound absorbing surface; Suspended luminaire with 1500 mm cable suspension; optimised for the illumination of office workstations; with integrated tool-less suspension height adjustment; incl. transparent feed; light inset made from extruded profile for improved thermal management; high-quality, aluminium, vapour deposition coated reflector with faceted lens design; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000K and 4000K; CRI ≥ 80; min. 80% of the luminous flux after 50 000 hours; degree of protection IP20; PCI; up to absorber class A; DALI dimmable; optional non-dimmable

**DE** Leuchtenkörper aus hochwertigem, selbsttragendem Polyester-Vlies mit schallabsorbierenden Eigenschaften; optisch und haptisch hochwertige Oberfläche, wahlweise filzgrau, anthrazit, indigoblau oder hellblau; Aufbau aus 2 Schalen, dadurch bilden sich Hohlräume zur Verbesserung der akustischen Performance; große schallabsorbierende Oberfläche; Pendelleuchte mit 1500 mm Seilabhängung; optimiert zur Ausleuchtung von Büroarbeitsplätzen; werkzeuglose Höhenverstellung an der Leuchte; inkl. transparenter Einspeiseleitung; Lichteinsatz aus Strangpressprofil für verbessertes Thermomanagement; hochwertiger, aluminiumumbedampfter Reflektor mit Facettenoptik; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP20; SKI; bis zu Absorberklasse A; DALI-dimmbar; optional nicht dimmbar

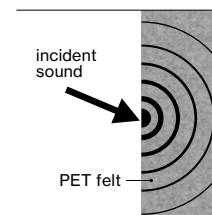
### Features



chrome reflector  
(UGR < 19)



colour range



sound absorption

### Standard configuration

**COLOUR TEMPERATURE** ◆◆  
4000K 6

**CONTROL** ◆◆  
DIM DALI 3

**MATERIAL COLOUR** ◆  
felt grey G  
anthracite B  
indigo blue E  
bright blue P



other colours on request

**LIGHT INSET COLOUR**  
grey cover / chrome reflector

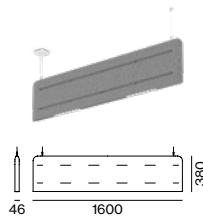
### Extended configuration

**COLOUR TEMPERATURE** ◆◆  
3000K 5

**CONTROL** ◆◆  
non DIM 1

### Options on request

**LIGHT INSET COLOUR**  
black cover / black reflector  
white cover / chrome reflector  
black cover / chrome reflector



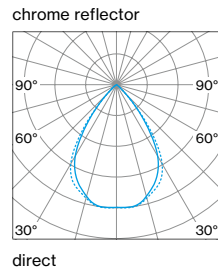
### MUSE LIGHT acoustic suspended



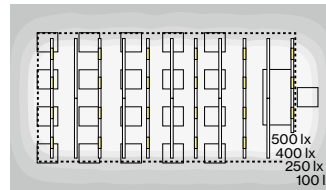
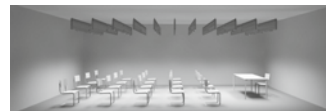
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
21W	3000K	1960lm	1600	0 9 1 - 1 2 1 1 <span style="color: blue;">◆◆</span> <span style="color: blue;">◆</span> <span style="color: blue;">◆</span> F
	4000K	2080lm		

luminous flux chrome reflector (UGR <19)

### LIGHT DISTRIBUTION



### Lighting calculations



**MUSE LIGHT**  
21W direct, 4000K, reflector  
**+ MUSE BAFFLE** (every 2<sup>nd</sup>)

**ROOM VALUES**

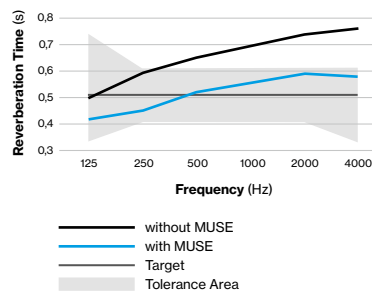
Room dimensions	9 × 5 × 3 m
Room volume	135 m <sup>3</sup>
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Mounting height	2.23 m

**CALCULATION SURFACE** .....

Surface dimensions	8 × 4
Surface height	0.75 m
Average illuminance (E <sub>m</sub> )	> 500 lx

**GLARE EVALUATION**  
Table Classification X=4H | Y=8H | S=0.25H  
UGR transversal < 19  
UGR axial < 19  
65° < 3000 cd/m<sup>2</sup>

### Acoustic calculations



**ACOUSTIC PARAMETERS**

Target Reverberation Time	0.51s*
RT without MUSE	0.66s
RT with MUSE	0.52s

\*according to DIN 18041, room category A3 (education/communication)

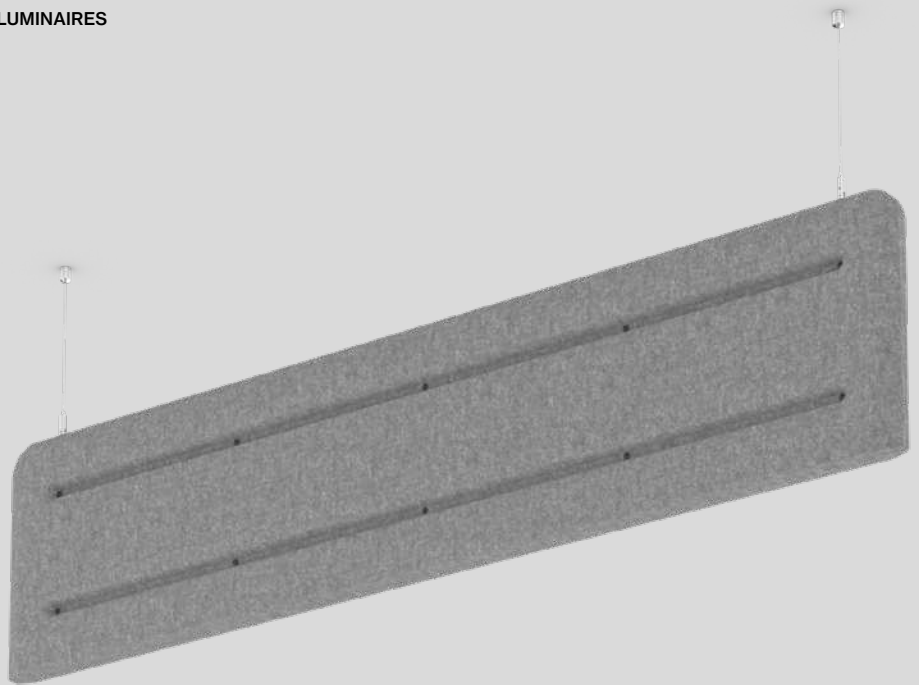
**MATERIALS**

Walls	Hardboard
Ceiling	Gypsum Board
Floor	Hardwood

# MUSE BAFFLE

## acoustic suspended

[xal.com/muse](http://xal.com/muse)



### Quickinfo

#### GENERAL

suspended

#### ACOUSTIC

absorber

up to absorption class A

#### PHYSICAL

PET felt

from recycled material

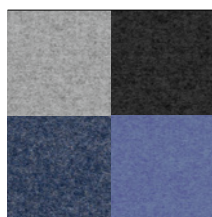
colour range

### Description

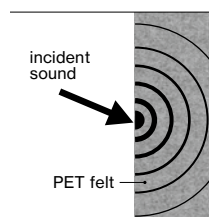
**EN** Acoustic element made of high-quality, self-supporting polyester fleece with sound absorbing properties; high-quality visual and tactile surface, available in felt grey, anthracite, indigo blue or bright blue options; constructed of 2 shells to form cavities that improve acoustic performance; large sound absorbing surface; pendant fitting with 1500mm cable suspension; tool-less suspension height adjustment of the acoustic element; up to absorber class A

**DE** Akustikelement aus hochwertigem, selbsttragendem Polyester-Vlies mit schallabsorbierenden Eigenschaften; optisch und haptisch hochwertige Oberfläche, wahlweise filzgrau, anthrazit, indigoblau oder hellblau; Aufbau aus 2 Schalen, dadurch bilden sich Hohlräume zur Verbesserung der akustischen Performance; große schallabsorbierende Oberfläche; abgependelt mit 1500 mm Seilabhängung; werkzeuglose Höhenverstellung am Akustikelement; bis zu Absorberklasse A

### Features



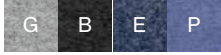
colour range



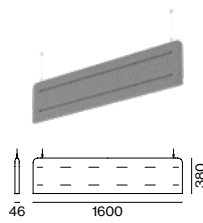
sound absorption

### Standard configuration

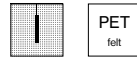
MATERIAL COLOUR	<input checked="" type="checkbox"/>
felt grey	G
anthracite	B
indigo blue	E
bright blue	P



other colours on request



### MUSE BAFFLE acoustic suspended



L (mm)  
1600

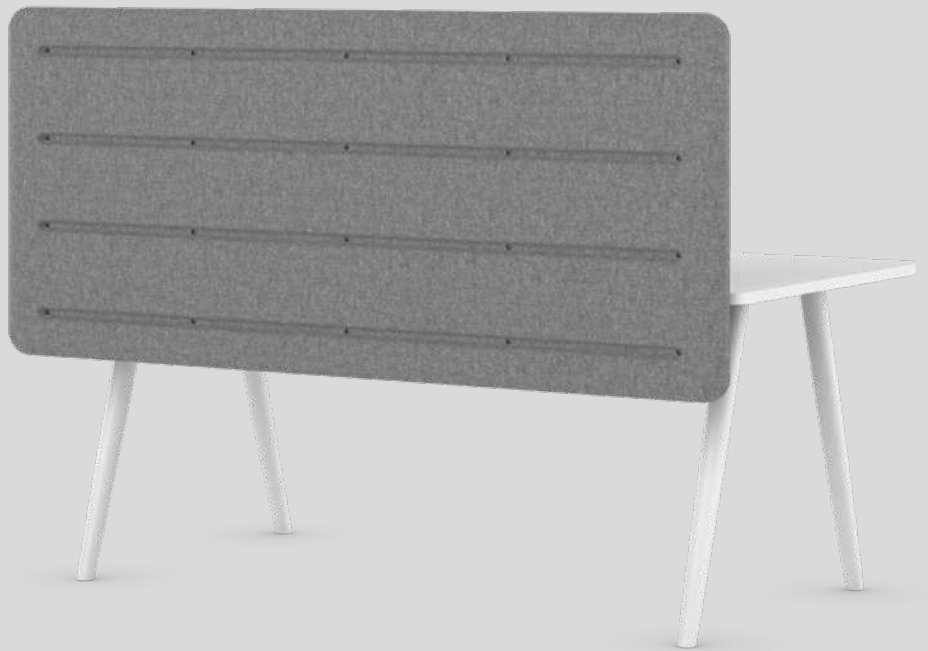
ORDER CODE

0 9 1 - 1 0 1 1 1 1

# MUSE DESK LOW / HIGH

## acoustic table mounted

[xal.com/muse](http://xal.com/muse)



### Quickinfo

#### GENERAL

table mounted

#### ACOUSTIC

absorber

up to absorption class A

#### PHYSICAL

PET felt

from recycled material

colour range

### Description

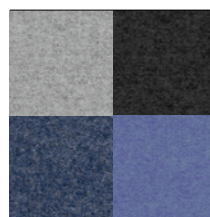
**EN** Sound absorbing acoustic element for table mounting, made of high-quality, self-supporting polyester fleece; variant MUSE DESK HIGH also sound shielding; high-quality visual and tactile surface, available in felt grey, anthracite, indigo blue or bright blue options; constructed of 2 shells to form cavities that improve acoustic performance; material can be pinned; tool-less assembly on the table by clamping; suitable for table top thicknesses up to a maximum of 65 mm; suitable for table lengths from 1600 mm; placed on top of the table (variant MUSE DESK LOW); or arranged downwards behind the desk (variant MUSE DESK HIGH); up to absorber class A

**DE** Schallabsorbierendes Akustikelement zur Tischmontage aus hochwertigem, selbsttragendem Polyester-Vlies; Variante MUSE DESK HIGH auch schallschirmend; optisch und haptisch hochwertige Oberfläche, wahlweise filzgrau, anthrazit, indigoblau oder hellblau; Aufbau aus 2 Schalen, dadurch bilden sich Hohlräume zur Verbesserung der akustischen Performance; Material pinnbar; werkzeuglose Montage am Tisch durch Klemmen; geeignet für Tischplattenstärken von maximal 65 mm; geeignet für Tischlängen ab 1600 mm; auf Tischplatte aufgesetzt (Variante MUSE DESK LOW); oder hinter dem Tisch nach unten ragend (Variante MUSE DESK HIGH); bis zu Absorberklasse A

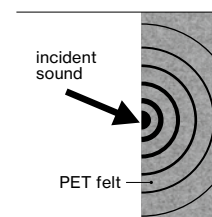
### Features



table clamp



colour range

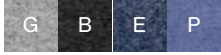


sound absorption



**Standard configuration**

MATERIAL COLOUR	
felt grey	<input checked="" type="checkbox"/> G
anthracite	B
indigo blue	E
bright blue	P



other colours on request

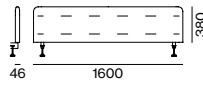
**CLAMP COLOUR**

grey \_\_\_\_\_

**Options on request**

**CLAMP COLOUR**

white \_\_\_\_\_  
black \_\_\_\_\_



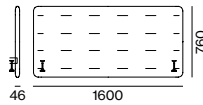
**MUSE DESK LOW** acoustic table mounted



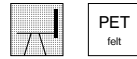
L (mm)  
1600

ORDER CODE

0 9 1 - 1 0 2 1 1 1  G



**MUSE DESK HIGH** acoustic table mounted



L (mm)  
1600

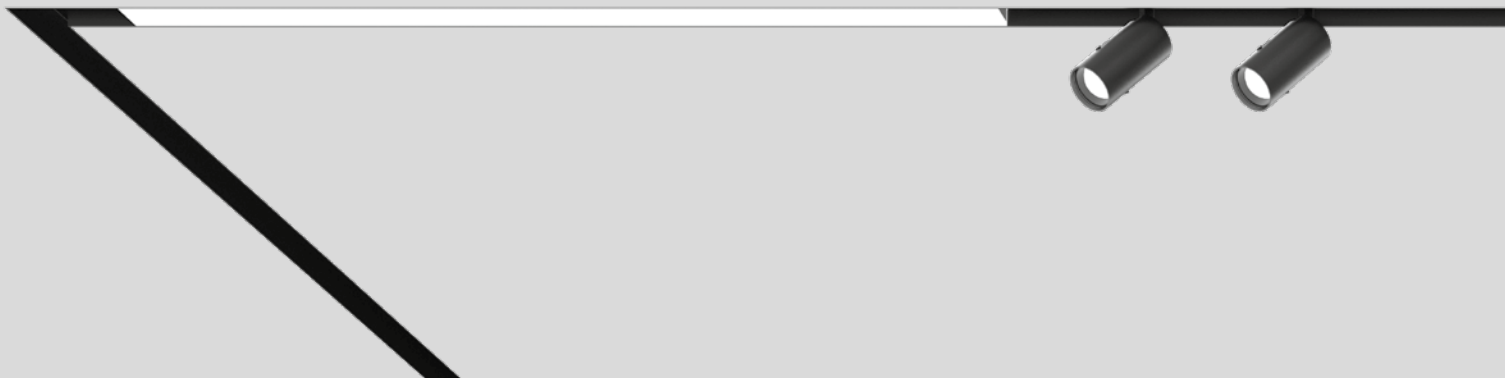
ORDER CODE

0 9 1 - 1 0 2 2 1 1 1  G

# MOVE IT 25

## trimless system

[xal.com/move-it](http://xal.com/move-it)



### Quickinfo

#### GENERAL

recessed trimless  
IP20

#### ELECTRICAL

non DIM, DIM DALI, ZigBee 3.0

#### PHYSICAL

aluminium  
anodised

### Description

**EN** Extruded aluminium profile with 28 mm width groove; suitable for trimless installation in plasterboard ceilings with 12.5 mm ceiling thickness; suitable for wall or ceiling mounting; designed for continuous lighting systems, 90° angle connectors for flexible system design; with integrated power track profile for take off of supply voltage and DALI signal; surface anodised black; can be installed flexibly and without tools by means of magnetic holders+locking; a maximum of 3 internal converters can be used in one system; degree of protection IP20; PC I / PC II (power supply) or PC III (light insets); either non dimmable, DALI or ZigBee 3.0 control

**DE** Aluminiumstrangpressprofil mit 28 mm Fugenbreite; geeignet für den randlosen Einbau in Gipskartondecken mit 12,5 mm Deckenstärke; geeignet für Wand- oder Deckenmontage; ausgelegt für durchgehende Lichtsysteme, 90° Winkelverbinder für flexiblen Systemaufbau; mit integriertem Stromschienenprofil für Abnahme von Versorgungsspannung und DALI Signal; Oberfläche schwarz eloxiert; flexible und werkzeuglose Montage der Einsätze durch Magnethalterung+Verriegelung; maximal 3 interne Konverter in einem System verwendbar; Schutzart IP20; SK I / SK II (Netzversorgung) bzw. SK III (Lichteinsätze); wahlweise nicht dimmbar, DALI- oder ZigBee 3.0-Steuerung

#### SPOTLIGHT INSETS

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#### GRAPHIC LIGHT INSETS

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#### LINEAR INSETS

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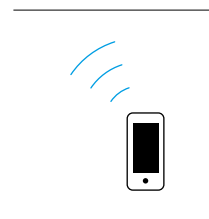
### Features



adjust. beam angle  
17–43° (FOCUS)



optical accessories  
(max. 1 pc.) on request



inset single control  
via X-TALK app

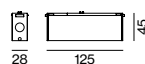
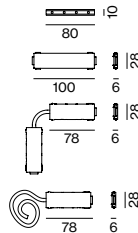
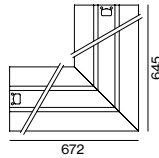
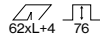
## Standard configuration

### CONTROL

non DIM	1
ZigBee 3.0 single control	1
DIM DALI single control	3

### MATERIAL COLOUR

black



## MOVE IT 25 trimless

order installation track, light insets (page 64, 65, 66) + mounting accessories separately



### INSTALLATION TRACK

L (mm)		ORDER CODE
607	channel	0 5 0 - 4 2 0 2 0 ⇨ 8
1207	channel	0 5 0 - 4 2 0 4 0 ⇨ 8
2407	channel	0 5 0 - 4 2 0 8 0 ⇨ 8
672x645	channel corner* 90°	0 5 0 - 4 2 0 1 0 ⇨ 8
661x661	channel corner* ceiling to wall 90°	0 5 0 - 4 2 0 1 1 ⇨ 8
cust. cut	channel non DIM, ZigBee 3.0 single	E 8 3 0 3 0 ···· 8
cust. cut	channel DIM DALI single control	E 8 3 0 4 0 ···· 8

\*corner incl. electrical connector set

## Accessories

### END CAPS

TYPE	ORDER CODE
end caps (pair)	0 5 0 - 4 2 0 0 0 8

### BLIND COVER

L (mm)	ORDER CODE
1207	0 5 0 - 4 0 0 4 0 0 8
2407	0 5 0 - 4 0 0 8 0 0 8
custom cut	E 8 3 0 0 0 ···· 8 B

blind cover can be shortened as desired

### CONNECTOR SET

TYPE	ORDER CODE
mechanical linear connector (pair)	0 5 0 - 2 0 1 1 1 1 0
linear (non DIM, ZigBee 3.0, DIM DALI)	0 5 0 - 2 0 3 1 1 3 0
linear flexible	0 5 0 - 2 0 3 2 1 ⇨ 0

### POWER FEEDER UNIT

TYPE	ORDER CODE
non DIM, ZigBee 3.0 single control	0 5 0 - 2 0 2 0 1 1 0
DIM DALI single control	0 5 0 - 2 0 2 0 1 3 0

2x2,5 mm<sup>2</sup> / 2x2,5 + 2x0,5 mm<sup>2</sup> / cable length 500 mm

**CONVERTER BUILT-IN TRACK** supply 220-240 V AC, 48V, 50-60 Hz, Ⓟ PCI, ENEC approved, incl. feeder cable 2000 mm

TYPE	L·W·H (mm)	ORDER CODE
75 W start/ZigBee 3.0/non DIM	450-45-25	0 0 2 - 6 2 1 3 6
60 W run/ZigBee 3.0/non DIM	450-45-25	0 0 2 - 6 2 1 3 7

75 W converter for single use

60 W converter for cascading use (maximum 3 units)

**CONVERTER EXTERN** supply 220-240 V AC, 48V, 50-60 Hz

TYPE	L·W·H (mm)	ORDER CODE
60 W Ⓡ PCI	163-43-32	0 0 2 - 6 2 1 3 3
150 W Ⓟ PCI	222-68-39	0 0 2 - 6 0 1 5 6
320 W Ⓟ PCI	252-90-44	0 0 2 - 6 0 3 2 0

### DALI SELV DEVICE

TYPE	L·W·H (mm)	ORDER CODE
control unit	213-37-25	0 5 0 - 2 0 6 1 1 3 0

necessary to create DALI selv signal

### DALI DAYLIGHT & MOVEMENT SENSOR

TYPE	L·W·H (mm)	ORDER CODE
daylight & movement sensor	125-28-45	0 5 0 - 2 0 6 3 1 7 8

# MOVE IT 25

## surface / suspended system

[xal.com/move-it](http://xal.com/move-it)



### Quickinfo

#### GENERAL

surface, suspended  
IP 20

#### ELECTRICAL

non DIM, DIM DALI, ZigBee 3.0  
black feeder cable

#### PHYSICAL

aluminium  
anodised

### Description

**EN** Extruded aluminium profile with 28 mm width groove; for suspended mounting (1500 mm cable suspension); height adjustment without tools; incl. black feed; designed for continuous lighting systems, 90° angle connectors and node connectors with up to 6 profile connection options for flexible system design; with indirect light component for additional accentuation of the ceiling; indirect light component covered with opal lens cover; with integrated power track profile for take off of supply voltage and DALI signal; surface anodised black or powder coated in white / anodised black; can be installed flexibly and without tools by means of magnetic holders+locking; a maximum of 3 internal converters can be used in one system; binning initial  $\leq 3$  MacAdam; available in the light colour 3000K; CRI  $\geq 90$ ; min. 80% of the luminous flux after 50000 hours; degree of protection IP 20; PCI / PC II (power supply) or PC III (light insets); either non dimmable, DALI or ZigBee 3.0 control

**DE** Aluminiumstrangpressprofil mit 28 mm Fugenbreite; für abgehängte Montage (1500 mm Seilabhängung); werkzeuglose Höhenverstellung; inkl. schwarzer Einspeiseleitung; ausgelegt für durchgehende Lichtsysteme, 90° Winkelverbinder und Knotenverbinder mit bis zu 6 Profilanschlussmöglichkeiten für flexiblen Systemaufbau; mit indirekter Lichtkomponente für zusätzliche Akzentuierung der Decke; Indirektlichtanteil mit opaler Linsenabdeckung abgedeckt; mit integriertem Stromschienenprofil für Abnahme von Versorgungsspannung und DALI Signal; Oberfläche schwarz eloxiert oder weiß pulverbeschichtet / schwarz eloxiert; flexible und werkzeuglose Montage der Einsätze durch Magnethalterung+Verriegelung; maximal 3 interne Konverter in einem System verwendbar; Binning initial  $\leq 3$  MacAdam; lieferbar in der Lichtfarbe 3000K; CRI  $\geq 90$ ; min. 80% des Lichtstromes nach 50000 h Lebensdauer; Schutzart IP 20; SK I / SK II (Netzversorgung) bzw. SK III (Lichteinsätze); wahlweise nicht dimmbar, DALI- oder ZigBee 3.0-Steuerung

#### SPOTLIGHT INSETS

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#### GRAPHIC LIGHT INSETS

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#### LINEAR INSETS

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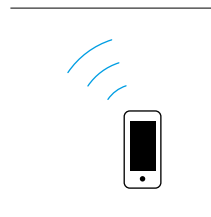
### Features



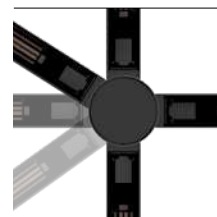
adjust. beam angle  
17–43° (FOCUS)



optical accessories  
(max. 1 pc.) on request



inset single control  
via X-TALK app



up to 6 node connection  
options, 60° and 90° angle

### Standard configuration

CONTROL	
non DIM	1
ZigBee 3.0 single control	1
DIM DALI single control	3

MATERIAL COLOUR	
black	8

MATERIAL COLOUR	
CEILING FASTENER/CANOPY	
white	7
black	8

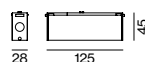
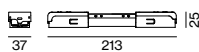
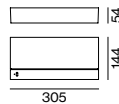
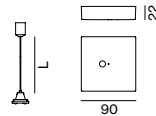
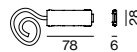
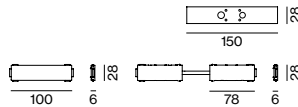
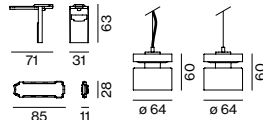
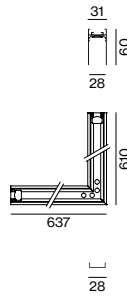


### Extended configuration

MATERIAL COLOUR	
white/black	P



+20% surcharges



### MOVE IT 25 surface / suspended

order installation track, light insets (page 64, 65, 66) + mounting accessories separately



#### INSTALLATION TRACK

L (mm)		ORDER CODE
610	channel	0 5 0 - 4 3 0 2 0
1210	channel	0 5 0 - 4 3 0 4 0
2410	channel	0 5 0 - 4 3 0 8 0
637x610	channel corner* 90°	0 5 0 - 4 3 0 1 0
661x661	channel corner* ceiling to wall 90°	0 5 0 - 4 3 0 1 1
cust. cut	channel non DIM, ZigBee 3.0 single	E 8 3 0 5 0
cust. cut	channel DIM DALI single control	E 8 3 0 6 0
1207	blind cover	0 5 0 - 4 0 0 4 0 0 8
2407	blind cover	0 5 0 - 4 0 0 8 0 0 8
cust. cut	blind cover	E 8 3 0 0 0

\*corner incl. electrical connector set

#### END CAPS

TYPE	ORDER CODE
end caps (pair)	0 5 0 - 4 3 0 0 0

#### NODE CONNECTOR

TYPE	ORDER CODE
node connector 1500mm cable suspension	0 5 0 - 2 0 3 3 1 3 0
node connector incl. feeder 1500mm cable susp.	0 5 0 - 2 0 2 2 3 0
node end cap* incl. connector	0 5 0 - 4 3 0 0 1 0 8

\*order for every node connection (channel to node) 1 end cap

#### CONNECTOR SET

TYPE	ORDER CODE
mechanical linear connector surface	0 5 0 - 2 0 1 1 2 1 0
mechanical linear connector suspended*	0 5 0 - 2 0 1 1 3 1 0
linear (non DIM, ZigBee 3.0, DIM DALI)	0 5 0 - 2 0 3 1 1 3 0
linear flexible	0 5 0 - 2 0 3 2 1

\*incl. 1500mm cable suspension

#### POWER FEEDER UNIT

TYPE	ORDER CODE
non DIM, ZigBee 3.0 single control	0 5 0 - 2 0 2 2 1 1 0
DIM DALI single control	0 5 0 - 2 0 2 2 1 3 0

2x2,5mm<sup>2</sup> / 2x2,5 + 2x0,5mm<sup>2</sup> / cable length 2000mm

#### CEILING FASTENER/CABLE SUSPENSION/CANOPY

TYPE	L (mm)	ORDER CODE
ceiling fastener	10	0 5 0 - 2 0 4 1 1 1
cable susp. (use every 1200mm)	1500	0 0 5 - 2 1 5 2 1 1 0
canopy		0 0 5 - 2 3 1 1 2 1

#### CONVERTER SURFACE supply 220-240V AC, 48V, 50-60Hz

TYPE	L-W-H (mm)	ORDER CODE
60 W □ PCII	305-144-54	0 5 0 - 2 0 5 5 1
150 W ⊕ PCI	305-144-54	0 5 0 - 2 0 5 5 2
320 W ⊕ PCI	305-144-54	0 5 0 - 2 0 5 5 3

#### CONVERTER EXTERN supply 220-240V AC, 48V, 50-60Hz

TYPE	L-W-H (mm)	ORDER CODE
60 W □ PCII	163-43-32	0 0 2 - 6 2 1 3 3
150 W ⊕ PCI	222-68-39	0 0 2 - 6 0 1 5 6
320 W ⊕ PCI	252-90-44	0 0 2 - 6 0 3 2 0

#### DALI SELV DEVICE

TYPE	L-W-H (mm)	ORDER CODE
control unit	213-37-25	0 5 0 - 2 0 6 1 1 3 0

necessary to create DALI selv signal

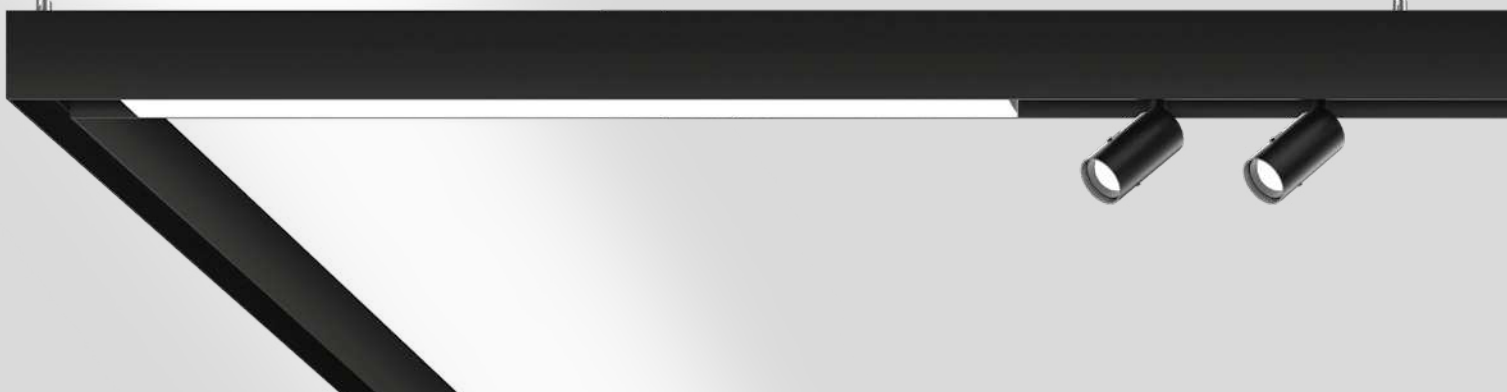
#### DALI DAYLIGHT & MOVEMENT SENSOR

TYPE	L-W-H (mm)	ORDER CODE
daylight & movement sensor	125-28-45	0 5 0 - 2 0 6 3 1 7 8

# MOVE IT 25

## suspended indirect system

[xal.com/move-it](http://xal.com/move-it)



### Quickinfo

#### GENERAL

suspended  
IP20

#### LED

Mid-power LED  
up to 1770 lm/m  
3000 K  
CRI ≥ 90  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50000 h

#### OPTICAL

indirect illumination  
PMMA cover opal

#### ELECTRICAL

non DIM, DIM DALI, ZigBee 3.0  
black feeder cable

#### PHYSICAL

aluminium  
anodised

### Description

**EN** Extruded aluminium profile with 28 mm width groove; for suspended mounting (1500 mm cable suspension); height adjustment without tools; incl. black feed; designed for continuous lighting systems, 90° angle connectors and node connectors with up to 6 profile connection options for flexible system design; with indirect light component for additional accentuation of the ceiling; indirect light component covered with opal lens cover; with integrated power track profile for take off of supply voltage and DALI signal; surface anodised black or white/black; can be installed flexibly and without tools by means of magnetic holders+locking; a maximum of 3 internal converters can be used in one system; binning initial ≤ 3 MacAdam; available in the light colour 3000 K; CRI ≥ 90; min. 80% of the luminous flux after 50000 hours; degree of protection IP20; PCI / PCII (power supply) or PCIII (light insets); either non dimmable, DALI or ZigBee 3.0 control

**DE** Aluminiumstrangpressprofil mit 28 mm Fugenbreite; für abgehängte Montage (1500 mm Seilabhängung); werkzeuglose Höhenverstellung; inkl. schwarzer Einspeiseleitung; ausgelegt für durchgehende Lichtsysteme, 90° Winkelverbinder und Knotenverbinder mit bis zu 6 Profilanchlussmöglichkeiten für flexiblen Systemaufbau; mit indirekter Lichtkomponente für zusätzliche Akzentuierung der Decke; Indirektlichtanteil mit opaler Linsenabdeckung abgedeckt; mit integriertem Stromschienenprofil für Abnahme von Versorgungsspannung und DALI Signal; Oberfläche schwarz oder weiß/schwarz eloxiert; flexible und werkzeuglose Montage der Einsätze durch Magnethalterung+Verriegelung; maximal 3 interne Konverter in einem System verwendbar; Binning initial ≤ 3 MacAdam; lieferbar in der Lichtfarbe 3000 K; CRI ≥ 90; min. 80% des Lichtstromes nach 50000 h Lebensdauer; Schutzart IP20; SKI / SKII (Netzversorgung) bzw. SKIII (Lichteinsätze); wahlweise nicht dimmbar, DALI- oder ZigBee 3.0-Steuerung

#### SPOTLIGHT INSETS

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#### LINEAR INSETS

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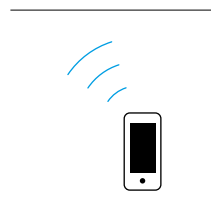
### Features



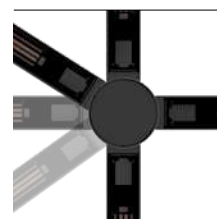
adjust. beam angle  
17–43° (FOCUS)



optical accessories  
(max. 1 pc.) on request



inset single control  
via X-TALK app



up to 6 node connection  
options, 60° and 90° angle

## Standard configuration

### COLOUR TEMPERATURE

3000K



### CONTROL

#### INSTALLATION CHANNEL

non DIM	1
DIM DALI single control	3
ZigBee 3.0 single control	5

### CONTROL

#### CONNECTOR SET

non DIM	1
DIM DALI single control	3
ZigBee 3.0 single control	1

### MATERIAL COLOUR

black 8



### MATERIAL COLOUR CANOPY

white 7  
black 8



## Extended configuration

### MATERIAL COLOUR

white/black P

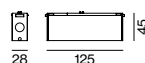
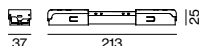
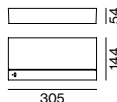
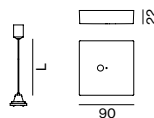
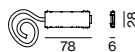
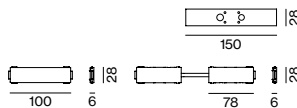
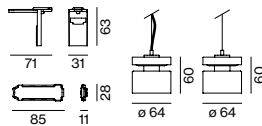
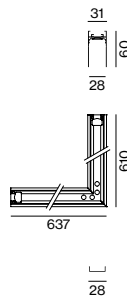


+20% surcharges

## Options on request

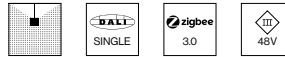
### COLOUR TEMPERATURE

2700K  
4000K



## MOVE IT 25 suspended indirect

order installation track, light insets (page 64, 65, 66) + mounting accessories separately



### INSTALLATION TRACK INDIRECT

L (mm)	SYS. POWER	COLOUR TEMP.	LUM. FLUX	ORDER CODE
610	6W	3000K	670lm	0 5 0 - 4 4 0 2 5
1210	16W	3000K	1890lm	0 5 0 - 4 4 0 4 5
2410	33W	3000K	4050lm	0 5 0 - 4 4 0 8 5
637x610 corner*	13W	3000K	2000lm	0 5 0 - 4 4 0 1 0

\*corner incl. electrical connector set

1207	blind cover	0 5 0 - 4 0 0 4 0 8
2407	blind cover	0 5 0 - 4 0 0 8 0 8
cust. cut	blind cover	E 8 3 0 0 0 . . . . 8 B

### END CAPS

TYPE	ORDER CODE
end caps (pair)	0 5 0 - 4 3 0 0 0

### NODE CONNECTOR

TYPE	ORDER CODE
node connector 1500mm cable susp.	0 5 0 - 2 0 3 3 1 3 0
node connector incl. feeder 1500mm cable susp.	0 5 0 - 2 0 2 2 3 0
node end cap* incl. connector	0 5 0 - 4 3 0 0 1 0 8

\*order for every node connection (channel to node) 1 end cap

### CONNECTOR SET

TYPE	ORDER CODE
mechanical linear connector suspended*	0 5 0 - 2 0 1 1 3 1 0
linear (non DIM, ZigBee 3.0, DIM DALI)	0 5 0 - 2 0 3 1 1 3 0
linear flexible	0 5 0 - 2 0 3 2 1

\*incl. 1500mm cable suspension

### POWER FEEDER UNIT

TYPE	ORDER CODE
non DIM, ZigBee 3.0 single control	0 5 0 - 2 0 2 2 1 1 0
DIM DALI single control	0 5 0 - 2 0 2 2 1 3 0

2x2,5 mm<sup>2</sup>/2x2,5 + 2x0,5 mm<sup>2</sup>/cable length 2000mm

### CABLE SUSPENSION/CANOPY

TYPE	L (mm)	ORDER CODE
cable susp. (use every 1200mm)	1500	0 0 5 - 2 1 5 2 1 1 0
canopy		0 0 5 - 2 3 1 1 2 1

### CONVERTER SURFACE supply 220-240 V AC, 48V, 50-60Hz

TYPE	L-W-H (mm)	ORDER CODE
60 W □ PCII	305-144-54	0 5 0 - 2 0 5 5 1
150 W ⊕ PCI	305-144-54	0 5 0 - 2 0 5 5 2
320 W ⊕ PCI	305-144-54	0 5 0 - 2 0 5 5 3

### CONVERTER EXTERN supply 220-240 V AC, 48V, 50-60Hz

TYPE	L-W-H (mm)	ORDER CODE
60 W □ PCII	163-43-32	0 0 2 - 6 2 1 3 3
150 W ⊕ PCI	222-68-39	0 0 2 - 6 0 1 5 6
320 W ⊕ PCI	252-90-44	0 0 2 - 6 0 3 2 0

### DALI SELV DEVICE

TYPE	L-W-H (mm)	ORDER CODE
control unit	213-37-25	0 5 0 - 2 0 6 1 1 3 0

necessary to create DALI selv signal

### DALI DAYLIGHT & MOVEMENT SENSOR

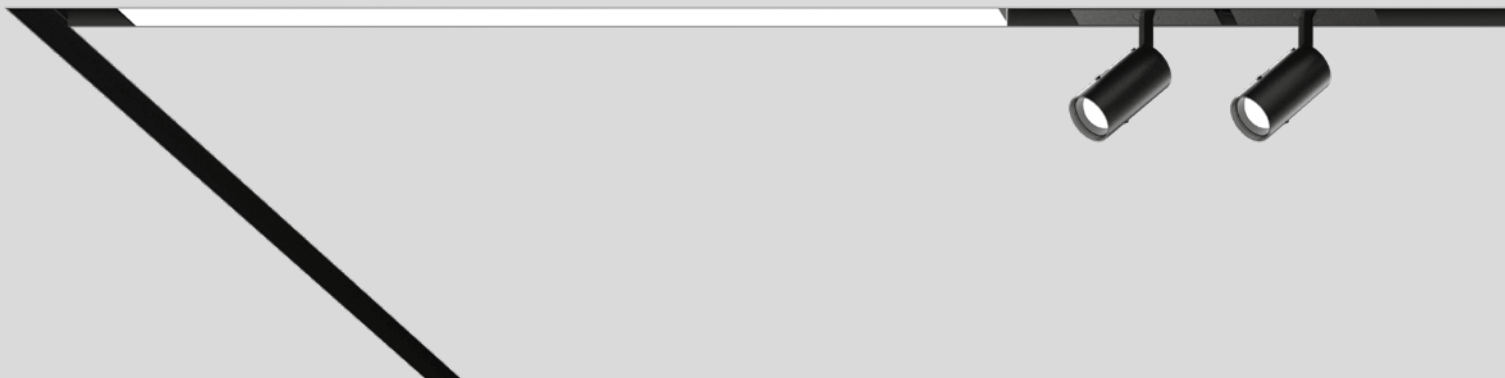
TYPE	L-W-H (mm)	ORDER CODE
daylight & movement sensor	125-28-45	0 5 0 - 2 0 6 3 1 7 8



# MOVE IT 25 S

## trimless system

[xal.com/move-it](http://xal.com/move-it)



### Quickinfo

#### GENERAL

recessed trimless  
IP20

#### ELECTRICAL

non DIM, DIM DALI, ZigBee 3.0

#### PHYSICAL

aluminium  
anodised

### Description

**EN** Thin extruded aluminium profile with 31mm height and 28mm width groove; suitable for trimless installation in plasterboard ceilings with 12.5mm ceiling thickness; suitable for wall or ceiling mounting; designed for continuous lighting systems, 90° angle connectors for flexible system design; with integrated power track profile for take off of supply voltage and DALI signal; surface anodised black; can be installed flexibly and without tools by means of magnetic holders+locking; a maximum of 3 internal converters can be used in one system; degree of protection IP20; PC I / PC II (power supply) or PC III (light insets); either non dimmable, DALI or ZigBee 3.0 control

**DE** Niedriges Aluminiumstrangpressprofil mit 31mm Höhe und 28mm Fugenbreite; geeignet für den randlosen Einbau in Gipskartondecken mit 12,5mm Deckenstärke; geeignet für Wand- oder Deckenmontage; ausgelegt für durchgehende Lichtsysteme, 90° Winkelverbinder für flexiblen Systemaufbau; mit integriertem Stromschienenprofil für Abnahme von Versorgungsspannung und DALI Signal; Oberfläche schwarz eloxiert; flexible und werkzeuglose Montage der Einsätze durch Magnethalterung+Verriegelung; maximal 3 interne Konverter in einem System verwendbar; Schutzart IP20; SK I / SK II (Netzversorgung) bzw. SK III (Lichteinsätze); wahlweise nicht dimmbar, DALI- oder ZigBee 3.0-Steuerung

#### SPOTLIGHT INSETS

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#### GRAPHIC LIGHT INSETS

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#### LINEAR INSETS

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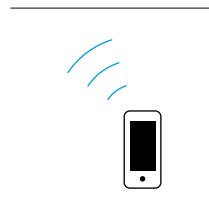
### Features



adjust. beam angle  
17–43° (FOCUS)



optical accessories  
(max. 1 pc.) on request



inset single control  
via X-TALK app

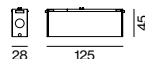
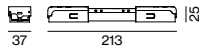
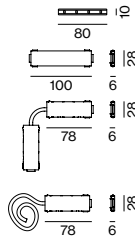
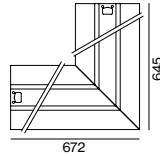
## Standard configuration

### CONTROL

non DIM	1
ZigBee 3.0 single control	1
DIM DALI single control	3

### MATERIAL COLOUR

black



## MOVE IT 25 S trimless

order installation track, light insets (page 64, 65, 67) + mounting accessories separately



### INSTALLATION TRACK

L (mm)		ORDER CODE
607	channel	0 5 0 - 4 2 1 2 0 ⇨ 8
1207	channel	0 5 0 - 4 2 1 4 0 ⇨ 8
2407	channel	0 5 0 - 4 2 1 8 0 ⇨ 8
672x645	channel corner* 90°	0 5 0 - 4 2 1 1 0 ⇨ 8
661x661	channel corner* ceiling to wall 90°	0 5 0 - 4 2 1 1 1 ⇨ 8
cust. cut	channel non DIM, ZigBee 3.0 single	E 8 3 1 3 0 ···· 8
cust. cut	channel DIM DALI single control	E 8 3 1 4 0 ···· 8

\*corner incl. electrical connector set

## Accessories

### END CAPS

TYPE	ORDER CODE
end caps (pair)	0 5 0 - 4 2 1 0 0 8

### BLIND COVER

L (mm)	ORDER CODE
1207	0 5 0 - 4 0 0 4 0 0 8
2407	0 5 0 - 4 0 0 8 0 0 8
custom cut	E 8 3 0 0 0 ···· 8 B

blind cover can be shortened as desired

### CONNECTOR SET

TYPE	ORDER CODE
mechanical linear connector (pair)	0 5 0 - 2 0 1 1 1 1 0
linear (non DIM, ZigBee 3.0, DIM DALI)	0 5 0 - 2 0 3 1 1 3 0
linear flexible	0 5 0 - 2 0 3 2 1 ⇨ 0

### POWER FEEDER UNIT

TYPE	ORDER CODE
non DIM, ZigBee 3.0 single control	0 5 0 - 2 0 2 0 1 1 0
DIM DALI single control	0 5 0 - 2 0 2 0 1 3 0

2x2,5 mm<sup>2</sup> / 2x2,5 + 2x0,5 mm<sup>2</sup> / cable length 500 mm

### CONVERTER EXTERN supply 220-240 V AC, 48V, 50-60Hz, Ⓟ PCI

TYPE	L-W-H (mm)	ORDER CODE
60 W □ PCI	163-43-32	0 0 2 - 6 2 1 3 3
150 W Ⓟ PCI	222-68-39	0 0 2 - 6 0 1 5 6
320 W Ⓟ PCI	252-90-44	0 0 2 - 6 0 3 2 0

### DALI SELV DEVICE

TYPE	L-W-H (mm)	ORDER CODE
control unit	213-37-25	0 5 0 - 2 0 6 1 1 3 0

necessary to create DALI selv signal

### DALI DAYLIGHT & MOVEMENT SENSOR

TYPE	L-W-H (mm)	ORDER CODE
daylight & movement sensor	125-28-45	0 5 0 - 2 0 6 3 1 7 8

accessory not flush with installation track (25mm offset)

# MOVE IT 25 S

## surface / suspended system

[xal.com/move-it](http://xal.com/move-it)



### Quickinfo

#### GENERAL

surface, suspended  
IP 20

#### ELECTRICAL

non DIM, DIM DALI, ZigBee 3.0  
black feeder cable

#### PHYSICAL

aluminium  
anodised

### Description

**EN** Thin extruded aluminium profile with 31mm height and 28mm width groove; for wall-/ceiling surface mounting or suspended mounting (1500 mm cable suspension); height adjustment without tools; incl. black feed; designed for continuous lighting systems, 90° angle connectors for flexible system design; with integrated power track profile for take off of supply voltage and DALI signal; surface anodised black or powder coated in white / anodised black; can be installed flexibly and without tools by means of magnetic holders+locking; a maximum of 3 internal converters can be used in one system; degree of protection IP 20; PCI / PC II (power supply) or PC III (light insets); either non dimmable, DALI or ZigBee 3.0 control

**DE** Niedriges Aluminiumstrangpressprofil mit 31 mm Höhe und 28 mm Fugenbreite; für Wand-/Deckenanbaumontage oder für abgehängte Montage (1500 mm Seilabhängung); werkzeuglose Höhenverstellung; inkl. schwarzer Einspeiseleitung; ausgelegt für durchgehende Lichtsysteme, 90° Winkelverbinder für flexiblen Systemaufbau; mit integriertem Stromschienenprofil für Abnahme von Versorgungsspannung und DALI Signal; Oberfläche schwarz eloxiert oder weiß pulverbeschichtet / schwarz eloxiert; flexible und werkzeuglose Montage der Einsätze durch Magnethalterung+Verriegelung; maximal 3 interne Konverter in einem System verwendbar; Schutzart IP 20; SK I / SK II (Netzversorgung) bzw. SK III (Lichteinsätze); wahlweise nicht dimmbar, DALI- oder ZigBee 3.0-Steuerung

#### SPOTLIGHT INSETS

[page 64](#)



#### GRAPHIC LIGHT INSETS

[page 65](#)



#### LINEAR INSETS

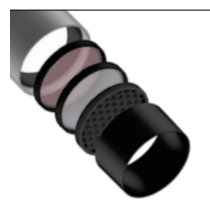
[page 67](#)



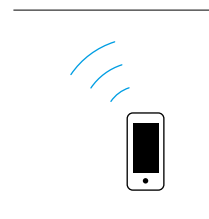
### Features



adjust. beam angle  
17–43° (FOCUS)



optical accessories  
(max. 1 pc.) on request



inset single control  
via X-TALK app

### Standard configuration

CONTROL	
non DIM	1
ZigBee 3.0 single control	1
DIM DALI single control	3

MATERIAL COLOUR	
black	8

MATERIAL COLOUR	
CEILING FASTENER/CANOPY	
white	7
black	8

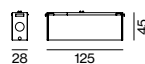
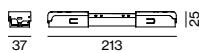
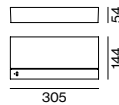
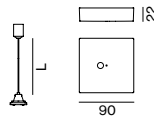
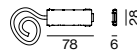
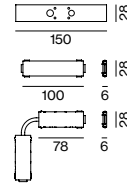
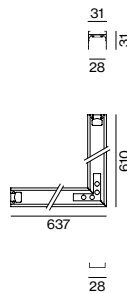


### Extended configuration

MATERIAL COLOUR	
white/black	P



+20% surcharges



### MOVE IT 25 S surface/suspended

order installation track, light insets (page 64, 65, 67) + mounting accessories separately



#### INSTALLATION TRACK

L (mm)		ORDER CODE
610	channel	0 5 0 - 4 3 1 2 0
1210	channel	0 5 0 - 4 3 1 4 0
2410	channel	0 5 0 - 4 3 1 8 0
637x610	channel corner* 90°	0 5 0 - 4 3 1 1 0
661x661	channel corner* ceiling to wall 90°	0 5 0 - 4 3 1 1 1
cust. cut	channel non DIM, ZigBee 3.0 single	E 8 3 1 5 0
cust. cut	channel DIM DALI single control	E 8 3 1 6 0
1207	blind cover	0 5 0 - 4 0 0 4 0 8
2407	blind cover	0 5 0 - 4 0 0 8 0 8
cust. cut	blind cover	E 8 3 0 0 0

\*corner incl. electrical connector set

#### END CAPS

TYPE	ORDER CODE
end caps (pair)	0 5 0 - 4 3 1 0 0

#### CONNECTOR SET

TYPE	ORDER CODE
mechanical linear connector surface	0 5 0 - 2 0 1 1 2 1 0
mechanical linear connector suspended*	0 5 0 - 2 0 1 1 3 1 0
linear (non DIM, ZigBee 3.0, DIM DALI)	0 5 0 - 2 0 3 1 1 3 0
linear flexible	0 5 0 - 2 0 3 2 1

\*incl. 1500 mm cable suspension

#### POWER FEEDER UNIT

TYPE	ORDER CODE
non DIM, ZigBee 3.0 single control	0 5 0 - 2 0 2 2 1 1 0
DIM DALI single control	0 5 0 - 2 0 2 2 1 3 0

2x2,5 mm<sup>2</sup> / 2x2,5 + 2x0,5 mm<sup>2</sup> / cable length 2000 mm

#### CEILING FASTENER/CABLE SUSPENSION/CANOPY

TYPE	L (mm)	ORDER CODE
ceiling fastener	10	0 5 0 - 2 0 4 1 1 1
cable susp. (use every 1200 mm)	1500	0 0 5 - 2 1 5 2 1 1 0
canopy		0 0 5 - 2 3 1 1 2 1

#### CONVERTER SURFACE supply 220-240 V AC, 48V, 50-60Hz

TYPE	L-W-H (mm)	ORDER CODE
60 W □ PCII	305-144-54	0 5 0 - 2 0 5 5 1
150 W ⊕ PCI	305-144-54	0 5 0 - 2 0 5 5 2
320 W ⊕ PCI	305-144-54	0 5 0 - 2 0 5 5 3

#### CONVERTER EXTERN supply 220-240 V AC, 48V, 50-60Hz

TYPE	L-W-H (mm)	ORDER CODE
60 W □ PCII	163-43-32	0 0 2 - 6 2 1 3 3
150 W ⊕ PCI	222-68-39	0 0 2 - 6 0 1 5 6
320 W ⊕ PCI	252-90-44	0 0 2 - 6 0 3 2 0

#### DALI SELV DEVICE

TYPE	L-W-H (mm)	ORDER CODE
control unit	213-37-25	0 5 0 - 2 0 6 1 1 3 0

necessary to create DALI selv signal

#### DALI DAYLIGHT & MOVEMENT SENSOR

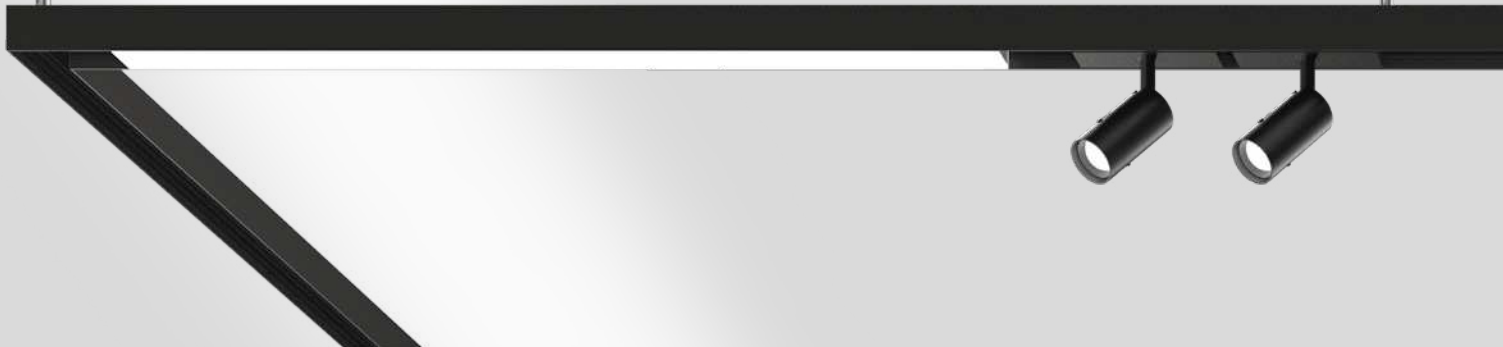
TYPE	L-W-H (mm)	ORDER CODE
daylight & movement sensor	125-28-45	0 5 0 - 2 0 6 3 1 7 8

accessory not flush with installation track (25mm offset)

# MOVE IT 25 S

## suspended indirect system

[xal.com/move-it](http://xal.com/move-it)



### Quickinfo

#### GENERAL

suspended  
IP20

#### LED

Mid-power LED  
up to 1770lm/m  
3000 K  
CRI ≥ 90  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50000h

#### OPTICAL

indirect illumination  
PMMA cover opal

#### ELECTRICAL

non DIM, DIM DALI, ZigBee 3.0  
black feeder cable

#### PHYSICAL

aluminium  
anodised

### Description

**EN** Thin extruded aluminium profile with 31mm height and 28mm width groove; for suspended mounting (1500mm cable suspension); height adjustment without tools; incl. black feed; designed for continuous lighting systems, 90° angle connectors for flexible system design; with indirect light component for additional accentuation of the ceiling; indirect light component covered with opal lens cover; with integrated power track profile for take off of supply voltage and DALI signal; surface anodised black or powder coated in white / anodised black; can be installed flexibly and without tools by means of magnetic holders+locking; a maximum of 3 internal converters can be used in one system; binning initial ≤ 3 MacAdam; available in the light colour 3000 K; CRI ≥ 90; min. 80% of the luminous flux after 50000 hours; degree of protection IP20; PC I / PC II (power supply) or PC III (light insets); either non dimmable, DALI or ZigBee 3.0 control

**DE** Niedriges Aluminiumstrangpressprofil mit 31 mm Höhe und 28 mm Fugenbreite; für abgehängte Montage (1500 mm Seilabhangung); werkzeuglose Hohenverstellung; inkl. schwarzer Einspeiseleitung; ausgelegt fur durchgehende Lichtsysteme, 90° Winkelverbinder fur flexiblen Systemaufbau; mit indirekter Lichtkomponente fur zusatzliche Akzentuierung der Decke; Indirektlichtanteil mit opaler Linsenabdeckung abgedeckt; mit integriertem Stromschienenprofil fur Abnahme von Versorgungsspannung und DALI Signal; Oberflache schwarz eloxiert oder wei pulverbeschichtet / schwarz eloxiert; flexible und werkzeuglose Montage der Einsatze durch Magnethalterung+Verriegelung; maximal 3 interne Konverter in einem System verwendbar; Binning initial ≤ 3 MacAdam; lieferbar in der Lichtfarbe 3000 K; CRI ≥ 90; min. 80% des Lichtstromes nach 50000h Lebensdauer; Schutzart IP20; SK I / SK II (Netzversorgung) bzw. SK III (Lichteinsatze); wahlweise nicht dimmbar, DALI- oder ZigBee 3.0-Steuerung

#### SPOTLIGHT INSETS

[page 64](#)



#### LINEAR INSETS

[page 67](#)



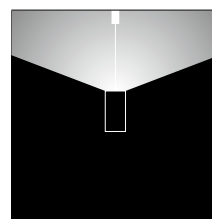
### Features



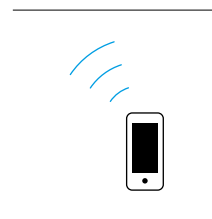
adjust. beam angle  
17–43° (FOCUS)



optical accessories  
(max. 1 pc.) on request



170° indirect  
illumination



inset single control  
via X-TALK app

## Standard configuration

### COLOUR TEMPERATURE

3000K

### CONTROL

#### INSTALLATION CHANNEL

non DIM	1
DIM DALI single control	3
ZigBee 3.0 single control	5

### CONTROL

#### CONNECTOR SET

non DIM	1
DIM DALI single control	3
ZigBee 3.0 single control	1

### MATERIAL COLOUR

black 8

### MATERIAL COLOUR CANOPY

white 7  
black 8

## Extended configuration

### MATERIAL COLOUR

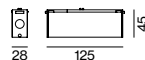
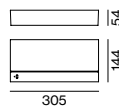
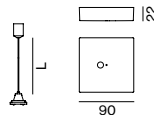
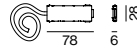
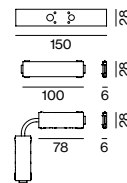
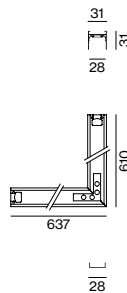
white/black P

+20% surcharges

## Options on request

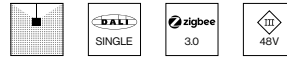
### COLOUR TEMPERATURE

2700K  
4000K



## MOVE IT 25 S suspended indirect

order installation track, light insets (page 64, 65, 67) + mounting accessories separately



### INSTALLATION TRACK INDIRECT

L (mm)	SYS. POWER	COLOUR TEMP.	LUM. FLUX	ORDER CODE
610	6W	3000K	670lm	0 5 0 - 4 4 1 2 5
1210	16W	3000K	1890lm	0 5 0 - 4 4 1 4 5
2410	33W	3000K	4050lm	0 5 0 - 4 4 1 8 5
637x610 corner*	13W	3000K	2000lm	0 5 0 - 4 4 1 1 0

\*corner incl. electrical connector set

1207	blind cover	0 5 0 - 4 0 0 4 0 0 8
2407	blind cover	0 5 0 - 4 0 0 8 0 0 8
cust. cut	blind cover	E 8 3 0 0 0 . . . . 8 B

## Accessories

### END CAPS

TYPE	ORDER CODE
end caps (pair)	0 5 0 - 4 3 1 0 0 0

### CONNECTOR SET

TYPE	ORDER CODE
mechanical linear connector suspended*	0 5 0 - 2 0 1 1 3 1 0
linear (non DIM, ZigBee 3.0, DIM DALI)	0 5 0 - 2 0 3 1 1 3 0
linear flexible	0 5 0 - 2 0 3 2 1

\*incl. 1500 mm cable suspension

### POWER FEEDER UNIT

TYPE	ORDER CODE
non DIM, ZigBee 3.0 single control	0 5 0 - 2 0 2 2 1 1 0
DIM DALI single control	0 5 0 - 2 0 2 2 1 3 0

2x2,5 mm<sup>2</sup> / 2x2,5 + 2x0,5 mm<sup>2</sup> / cable length 2000 mm

### CABLE SUSPENSION / CANOPY

TYPE	L (mm)	ORDER CODE
cable susp. (use every 1200 mm)	1500	0 0 5 - 2 1 5 2 1 1 0
canopy		0 0 5 - 2 3 1 1 2 1

### CONVERTER SURFACE supply 220-240 V AC, 48V, 50-60Hz

TYPE	L-W-H (mm)	ORDER CODE
60 W □ PCII	305-144-54	0 5 0 - 2 0 5 5 1
150 W ⊕ PCI	305-144-54	0 5 0 - 2 0 5 5 2
320 W ⊕ PCI	305-144-54	0 5 0 - 2 0 5 5 3

### CONVERTER EXTERN 48V, supply 220-240 V AC, 50-60Hz

TYPE	L-W-H (mm)	ORDER CODE
60 W □ PCII	163-43-32	0 0 2 - 6 2 1 3 3
150 W ⊕ PCI	222-68-39	0 0 2 - 6 0 1 5 6
320 W ⊕ PCI	252-90-44	0 0 2 - 6 0 3 2 0

### DALI SELV DEVICE

TYPE	L-W-H (mm)	ORDER CODE
control unit	213-37-25	0 5 0 - 2 0 6 1 1 3 0

necessary to create DALI selv signal

### DALI DAYLIGHT & MOVEMENT SENSOR

TYPE	L-W-H (mm)	ORDER CODE
daylight & movement sensor	125-28-45	0 5 0 - 2 0 6 3 1 7 8

accessory not flush with installation track (25 mm offset)

# MOVE IT 25/25 S

## spotlight insets

### Standard configuration

#### COLOUR TEMPERATURE

3000 K

#### CONTROL

non DIM*	1
DIM DALI single control	3
ZigBee 3.0 single control	5

\*not for JUST 45 super spot 8° + JUST 55

#### MATERIAL COLOUR

black



#### LED LENS JUST 45

super spot 8°  
medium 23°

#### BEAM ANGLE JUST 55

super spot 8° (only 9W)	V
spot 16°	S
medium 28°	M
flood 37°	F

### Options on request

#### COLOUR TEMPERATURE

2700 K  
4000 K

#### MATERIAL COLOUR

white



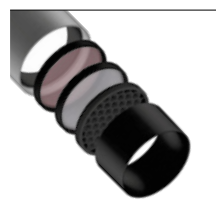
#### OPTICAL ACCESSORIES

elliptical sculpture foil  
snoot  
colour filter (red, blue, green, etc.)  
only for JUST 32 FOCUS

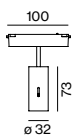
### Features



adjustable beam angle  
17°–43° (FOCUS)



optical accessories  
(max. 1 pc.)



### JUST 32 FOCUS 17–43°



SYSTEM POWER  
9W

COLOUR TEMP. LUM. FLUX  
3000 K 390lm

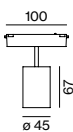
ORDER CODE  
0 5 0 - 0 1 1 1 5 ⇨ 8

#### LIGHT DISTRIBUTION

min. angle 17°

max. angle 43°

h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	2447	0,30	1	704	0,80
2	611	0,59	2	176	1,59
3	271	0,89	3	78	2,39
4	152	1,19	4	44	3,18
5	97	1,49	5	28	3,98



### JUST 45



SYSTEM POWER  
6W super spot 8°  
12W medium 23°

COLOUR TEMP. LUM. FLUX  
3000 K 300lm  
3000 K 740lm

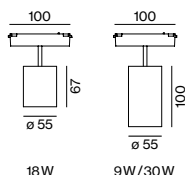
ORDER CODE  
0 5 0 - 0 1 3 1 5 ⇨ 8 V  
0 5 0 - 0 1 3 1 5 ⇨ 8 M

#### LIGHT DISTRIBUTION

super spot 8°

medium 23°

h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	10389	0,14	1	3717	0,40
2	2597	0,28	2	929	0,81
3	1154	0,41	3	413	1,21
4	649	0,55	4	232	1,62
5	415	0,69	5	148	2,02



### JUST 55



SYSTEM POWER  
9W  
18W  
30W

COLOUR TEMP. LUM. FLUX  
3000 K 430lm  
3000 K 1230lm  
3000 K 2090lm

ORDER CODE  
0 5 0 - 0 1 4 1 5 ⇨ 8 V  
0 5 0 - 0 1 4 1 5 ⇨ 8 ▲  
0 5 0 - 0 1 4 2 5 ⇨ 8 ▲

#### LIGHT DISTRIBUTION for 9W (super spot 8°), 18W, 3000 K

super spot 8°

spot 16°

medium 28°

h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	17481	ø 0,15	1	9219	0,28	1	3964	0,50
2	4370	ø 0,29	2	2304	0,56	2	991	1,00
3	1942	ø 0,44	3	1024	0,84	3	440	1,51
4	1092	ø 0,58	4	576	1,12	4	247	2,01
5	699	ø 0,73	5	368	1,39	5	158	2,51

### Optical accessories

#### HONEYCOMB LOUVER

TYPE	Ø-H (mm)	ORDER CODE
JUST 32 FOCUS	30-4	0 0 7 - 1 9 6 5 1 6 8
JUST 45	42-3	0 0 7 - 1 9 6 5 1 8 8
JUST 55	50-3	0 0 7 - 1 9 6 5 1 9 8



# MOVE IT 25/25 S

## graphic light insets

### Standard configuration

TYPE	T
MOVE IT 25 S	1
MOVE IT 25	0

### COLOUR TEMPERATURE

3000 K

### CONTROL

non DIM	1
DIM DALI single control	3
ZigBee 3.0 single control	5

### MATERIAL COLOUR

black



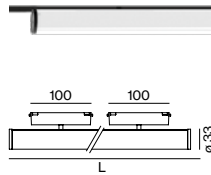
### Options on request

### COLOUR TEMPERATURE

2700 K  
4000 K  
tunable white (1800–4000 K)

### MATERIAL COLOUR

white

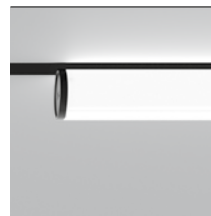


### INSET 25/25 S PIVOT

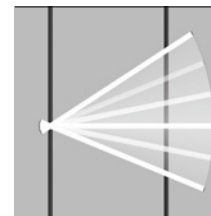


TYPE	COL. TEMP.	LUM. FLUX	L (mm)	ORDER CODE
10W	3000K	1180lm	610	0 5 0 - T 3 1 2 5 ⇄ 8
13W	3000K	1770lm	910	0 5 0 - T 3 1 3 5 ⇄ 8
18W	3000K	2360lm	1210	0 5 0 - T 3 1 4 5 ⇄ 8
22W	3000K	2950lm	1510	0 5 0 - T 3 1 5 5 ⇄ 8
27W	3000K	3540lm	1810	0 5 0 - T 3 1 6 5 ⇄ 8

### Features



light inset for  
MOVE IT 25/25 S



freely movable



iF design award  
winner 2019

# MOVE IT 25 linear insets

## Standard configuration

### COLOUR TEMPERATURE

3000 K

### CONTROL

non DIM	1
DIM DALI single control	3
ZigBee 3.0 single control	5

### TULA MICRO

#### MATERIAL COLOUR

chrome	4
white	7
black	8



## Options on request

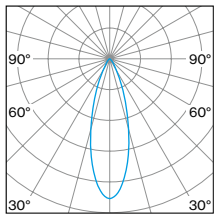
### COLOUR TEMPERATURE

2700 K

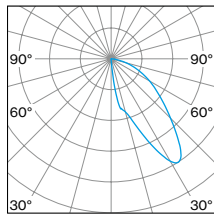
4000 K

## LIGHT DISTRIBUTION

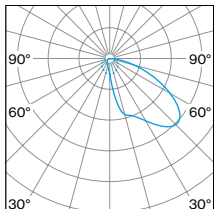
### spot line



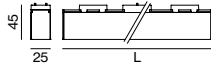
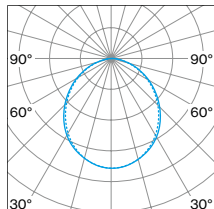
### wallwasher



### wallwasher flush



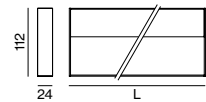
### opal high performance



## INSET 25 SPOT LINE



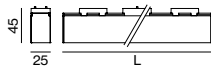
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
3 × 1,2 W	3000 K	270 lm	155	0 5 0 - 0 2 2 0 5 ⇄ 8 M
6 × 1,2 W	3000 K	540 lm	305	0 5 0 - 0 2 2 1 5 ⇄ 8 M
12 × 1,2 W	3000 K	1080 lm	605	0 5 0 - 0 2 2 2 5 ⇄ 8 M



## INSET 25 WALLWASHER



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
13 W	3000 K	990 lm	450	0 5 0 - 0 2 3 2 5 3 8 A



## INSET 25 WALLWASHER FLUSH

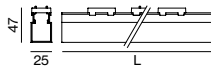


SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
5 W	3000 K	330 lm	305	0 5 0 - 0 2 1 1 5 ⇄ 8 A
11 W	3000 K	660 lm	605	0 5 0 - 0 2 1 2 5 ⇄ 8 A
19 W	3000 K	1320 lm	1205	0 5 0 - 0 2 1 4 5 ⇄ 8 A
38 W	3000 K	2630 lm	2405	0 5 0 - 0 2 1 8 5 ⇄ 8 A

## ANTI-GLARE GRID

TYPE	L-W (mm)	ORDER CODE
WALLWASHER FLUSH	303-25	0 5 0 - 0 2 3 0 9 1 8

cluster solution to create anti-glare grid for all lengths



## INSET 25 OPAL HIGH PERFORMANCE

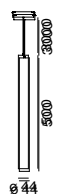


SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
5 W	3000 K	440 lm	305	0 5 0 - 0 2 1 1 5 ⇄ 8 H
10 W	3000 K	880 lm	605	0 5 0 - 0 2 1 2 5 ⇄ 8 H
18 W	3000 K	1770 lm	1205	0 5 0 - 0 2 1 4 5 ⇄ 8 H
36 W	3000 K	3530 lm	2405	0 5 0 - 0 2 1 8 5 ⇄ 8 H

## INSET 25 TULA MICRO



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
9 W	3000 K	390 lm	500	0 5 0 - 0 1 9 1 5 ⇄ M



# MOVE IT 25 S

## linear insets

### Standard configuration

COLOUR TEMPERATURE  
3000K

CONTROL	
non DIM	1
DIM DALI single control	3
ZigBee 3.0 single control	5

TULA MICRO MATERIAL COLOUR	
chrome	4
white	7
black	8

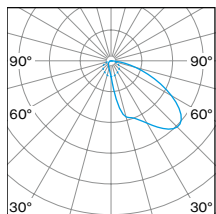


### Options on request

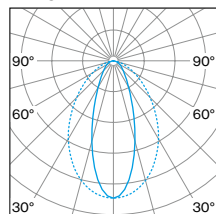
COLOUR TEMPERATURE  
2700K  
4000K

### LIGHT DISTRIBUTION

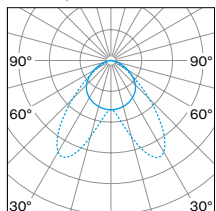
wallwasher



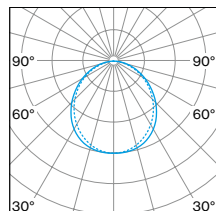
wall grazer



batwing



opal high performance



### INSET 25 S WALLWASHER FLUSH



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
5 W	3000K	330lm	305	0 5 0 - 1 2 1 1 5 ⇄ 8 A
11 W	3000K	660lm	605	0 5 0 - 1 2 1 2 5 ⇄ 8 A
19 W	3000K	1320lm	1205	0 5 0 - 1 2 1 4 5 ⇄ 8 A
38 W	3000K	2630lm	2405	0 5 0 - 1 2 1 8 5 ⇄ 8 A



### INSET 25 S WALL GRAZER



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
5 W	3000K	510lm	305	0 5 0 - 1 2 1 1 5 ⇄ 8 S
10 W	3000K	1030lm	605	0 5 0 - 1 2 1 2 5 ⇄ 8 S
18 W	3000K	2060lm	1205	0 5 0 - 1 2 1 4 5 ⇄ 8 S
36 W	3000K	4110lm	2405	0 5 0 - 1 2 1 8 5 ⇄ 8 S



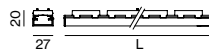
### INSET 25 S BATWING



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
5 W	3000K	500lm	305	0 5 0 - 1 2 1 1 5 ⇄ 8 B
10 W	3000K	1000lm	605	0 5 0 - 1 2 1 2 5 ⇄ 8 B
18 W	3000K	2000lm	1205	0 5 0 - 1 2 1 4 5 ⇄ 8 B
36 W	3000K	4010lm	2405	0 5 0 - 1 2 1 8 5 ⇄ 8 B



### INSET 25 S OPAL HIGH PERFORMANCE



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
5 W	3000K	390lm	305	0 5 0 - 1 2 1 1 5 ⇄ 8 H
10 W	3000K	790lm	605	0 5 0 - 1 2 1 2 5 ⇄ 8 H
18 W	3000K	1580lm	1205	0 5 0 - 1 2 1 4 5 ⇄ 8 H
36 W	3000K	3150lm	2405	0 5 0 - 1 2 1 8 5 ⇄ 8 H

canyon solution for MOVE IT 25

### INSET 25 S TULA MICRO



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
9 W	3000K	390lm	500	0 5 0 - 0 1 9 1 5 ⇄ 8 M

# CAVO

## trimless system

[xal.com/cavo](http://xal.com/cavo)



### Quickinfo

#### GENERAL

recessed trimless

IP20

patented

#### LED

up to 2090 lm

up to 70 lm/W

3000 K

CRI ≥ 90

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination

beam angle 8°, 16°, 28°, 37°, 17–43°

#### ELECTRICAL

48 V power rail system

non DIM, DIM DALI

#### PHYSICAL

aluminium: powder-coated

housing: glow, no glow

### Description

**EN** Extruded aluminium profile with 110 mm wide, visible cut-out; for trimless installation in plasterboard ceilings; with integrated power rail profile on both sides for supply voltage feed; spotlight can be installed and moved without tools by means of magnetic holders; spotlight head rotates 360° and tilts 90°; spotlights individually DALI dimmable; surface powder coated in white or black; optional: Indirect component in the channel continuously adjustable dimming via DALI; passive cooling of LEDs with optimised heat sink geometry; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colour 3000 K; CRI ≥ 90; min. 80% of the luminous flux after 50 000 hours; good glare reduction due to recessed light point plane; incl. high quality lens system; precise radiation characteristics with different beam angles; degree of protection IP20; PC II; hot plug protection; optional non-dimmable; flicker-free visual comfort through analogue current control (minimum value 1%)

**DE** Aluminiumstrangpressprofil mit 110 mm breitem, sichtbarem Ausschnitt; geeignet für den randlosen Einbau in Gipskartondecken; mit beidseitig integriertem Stromschienenprofil zur Abnahme der Versorgungsspannung; Strahler mittels Magnethalter werkzeuglos einsetz- und verschiebbar; Strahlerkopf 360° dreh- und 90° schwenkbar; Strahler individuell DALI dimmbar; Oberfläche weiß oder schwarz pulverbeschichtet; optional: Indirektlichtanteil im Kanal mittels DALI stufenlos dimmbar; passive Kühlung der LEDs durch optimierte Kühlkörpergeometrie; mit COB (Chip on Board) Technologie für höchste Effizienz; keine Bildung von Mehrfachschatten; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in der Lichtfarbe 3000 K; CRI ≥ 90; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; gute Entblendung durch zurückversetzte Lichtpunktebene; inkl. hochwertiger Linsenoptik; präzise Abstrahlcharakteristik mit verschiedenen Ausstrahlwinkeln; Schutzart IP20; SK II; Hot Plug-Schutz; optional nicht dimmbar; flimmerfreier Sehkomfort durch analoge Stromstärkenregelung (Minimalwert 1%)

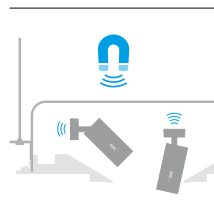
### CAVO

round / square  
trimless

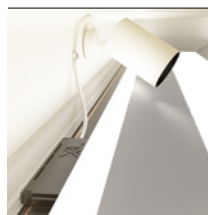
[page 12](#)



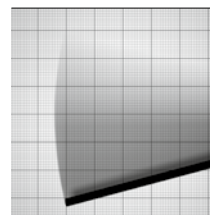
### Features



magnetic holders for  
tool-free mounting



48 V track, plug & play  
adapter, hot plug safe



flicker-free dimming  
(minimum value of 1%)



optical accessories  
(maximum 1 piece)

## Standard configuration

### COLOUR TEMPERATURE

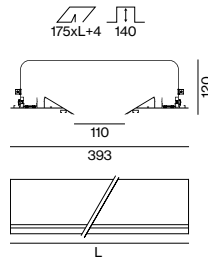
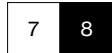
3000K

### CONTROL

DIM DALI single control 3

### MATERIAL COLOUR

white 7  
black 8



## CAVO trimless

order installation track, spotlights (page 70) + mounting accessories separately



### INSTALLATION TRACK

for installation in plasterboard ceilings 12,5mm

■ 9,5kg/m, 4 suspension points/m

L (mm)	L-W-H (mm)	ORDER CODE
500	500-330-120	0 4 9 - 9 8 0 2 0
1500	1500-330-120	0 4 9 - 9 8 0 4 0
2500	2500-330-120	0 4 9 - 9 8 0 6 0
custom cut	xxx-330-120	on request

### INSTALLATION TRACK WITH GLOWING (3000K)

for installation in plasterboard ceilings 12,5mm

■ 9,5kg/m, 4 suspension points/m

L (mm)	SYSTEM POWER	L-W-H (mm)	ORDER CODE
500	7,2 W	500-330-120	0 4 9 - 9 8 2 2 5
1500	21,6 W	1500-330-120	0 4 9 - 9 8 2 4 5
2500	36 W	2500-330-120	0 4 9 - 9 8 2 6 5
custom cut	14,4 W/m	xxx-330-120	on request

## Extended configuration

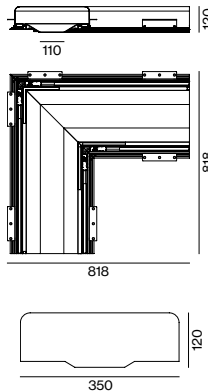
### CONTROL

non DIM 1

## Options on request

### CONTROL

ZigBee 3.0 single control



## Accessories

### CORNER CONNECTOR 90°

L (mm)	L-W-H (mm)	ORDER CODE
818 × 818	818-818-120	0 4 9 - 9 8 1 0 0

### CORNER CONNECTOR 90° WITH GLOWING (3000K)

L (mm)	SYSTEM POWER	L-W-H (mm)	ORDER CODE
818 × 818	18 W	818-818-120	0 4 9 - 9 8 3 0 5

### END CAPS

TYPE	ORDER CODE
end caps without inspection opening	0 4 9 - 9 8 9 0 0 1
end caps with inspection opening	0 4 9 - 9 8 9 0 0 2

### LINEAR CONNECTOR SET 48V, electrical + mechanical

TYPE	ORDER CODE
linear connector set (pair)	0 4 9 - 9 8 9 7 1 1

### POWER FEEDER UNIT

TYPE	ORDER CODE
non DIM	0 5 0 - 2 0 2 0 1 1 0
DIM DALI single control	0 5 0 - 2 0 2 0 1 3 0

2x1,5mm<sup>2</sup> / 2x1,5 + 2x0,5mm<sup>2</sup> / cable length 500mm

in case of two-sided power line 2 feeder required

in case of glowing 2 feeder required

### POWER SUPPLY 48V, supply 220–240V AC, 50–60Hz, Ⓟ PCI

TYPE	L-W-H (mm)	ORDER CODE
100 W	223-60-39	0 0 2 - 6 0 1 0 5
150 W	222-68-39	0 0 2 - 6 0 1 5 6
240 W	244-68-39	0 0 2 - 6 0 2 4 3
320 W	252-90-44	0 0 2 - 6 0 3 2 0

further power supplies on request

## Technical data

### POWER SUPPLY CALCULATOR per meter

TYPE	SYSTEM POWER
inst. track with glowing	14,4 W/m
inst. track with glowing + max. 6 spotlights	104,4 W/m
inst. track without glowing + max. 6 spotlights	90 W/m

use the calculator for custom cut planning

### DALI SELV DEVICE

TYPE	ORDER CODE
control unit	0 5 0 - 2 0 6 1 1 3 0

necessary to create DALI self signal

**Standard configuration****COLOUR TEMPERATURE**

3000K

**CONTROL**

DIM DALI



3

**MATERIAL COLOUR**white 7  
black 8**BEAM ANGLE**

medium 28°



M

**Extended configuration****CONTROL**

non DIM



1

**BEAM ANGLE**super spot 8° (only JUST 55, 9W) V  
spot 16° S  
flood 37° F**Options on request****COLOUR TEMPERATURE**

1800–3000K CWD

**CONTROL**

ZigBee 3.0

**REFLECTOR**

super spot 8°

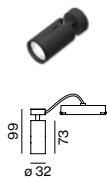
**OPTICAL ACCESSORIES**

elliptical sculpture foil

snoot

colour filter (red, blue, green, etc.)

only for JUST 32 FOCUS

**JUST 32 FOCUS 17–43°****SYSTEM POWER**

9W

**COLOUR TEMP.**

3000K

**LUMINOUS FLUX**

390lm

**ORDER CODE**

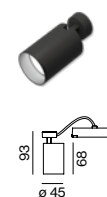
0 4 9 - 9 2 1 1 5

**LIGHT DISTRIBUTION**

min. angle 17°

max. angle 43°

h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	2447	0,30	1	704	0,80
2	611	0,59	2	176	1,59
3	271	0,89	3	78	2,39
4	152	1,19	4	44	3,18
5	97	1,49	5	28	3,98

**JUST 45****SYSTEM POWER**

12W

**COLOUR TEMP.**

3000K

**LUMINOUS FLUX**

740lm

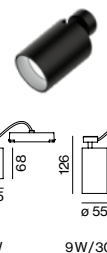
**ORDER CODE**

0 4 9 - 9 3 0 2 5

**LIGHT DISTRIBUTION**

medium 23°

h (m)	E0° (lx)	ø (m)
1	3717	0,40
2	929	0,81
3	413	1,21
4	232	1,62
5	148	2,02

**JUST 55****SYSTEM POWER**

9W

18W

30W

**COLOUR TEMP.**

3000K

3000K

3000K

**LUMINOUS FLUX**

430lm

1230lm

2090lm

**ORDER CODE**

0 4 9 - 9 4 0 0 5 3

0 4 9 - 9 4 0 0 5 3

0 4 9 - 9 4 0 1 5 3

**LIGHT DISTRIBUTION** for 9W (super spot 8°), 18W, 3000K

super spot 8°

spot 16°

medium 28°

h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	17481	ø 0,15	1	9219	ø 0,28	1	3964	0,50
2	4370	ø 0,29	2	2304	ø 0,56	2	991	1,00
3	1942	ø 0,44	3	1024	ø 0,84	3	440	1,51
4	1092	ø 0,58	4	576	ø 1,12	4	247	2,01
5	699	ø 0,73	5	368	ø 1,39	5	158	2,51

**Optical accessories****HONEYCOMB LOUVER**

TYPE	Ø-H (mm)	ORDER CODE
JUST 32 FOCUS	30-4	0 0 7 - 1 9 6 5 1 6 8
JUST 45	42-3	0 0 7 - 1 9 6 5 1 8 8
JUST 55	50-3	0 0 7 - 1 9 6 5 1 9 8

## Inspiration

Private Residence  
Visualisation

**PRODUCT**  
CAVO trimless system  
JUST 32 focus

CAVO square  
JUST 45





# TASK S

## suspended system

[xal.com/task](http://xal.com/task)



reddot award 2018  
winner

### Quickinfo

#### GENERAL

suspended

IP20

quick installation

#### LED

Mid-power LED

up to 127 lm/W

3000 K, 4000 K

CRI ≥ 80

Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50000h

#### OPTICAL

direct/indirect illumination

microprismatic (UGR < 19)

#### ELECTRICAL

non DIM, DIM DALI

transparent feeder cable

system connector available

#### PHYSICAL

aluminium

powder-coated

halogen-free cable (internal wiring)

**TASK** corner/  
curve susp.

[page 74](#)

**ACOUSTIC  
ACCESSORIES**

[page 75](#)



### Description

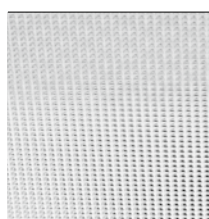
**EN** Luminaire housing made of aluminium with rounded edges; different versions: choice of rectangular, L-shaped or quarter circle segment design; ultra low-profile design (only 15 mm); for continuous lighting systems; surface white powder coated; suspended luminaire system with 1500 mm cord suspension; with integrated tool-less suspension height adjustment; convenient quick mounting system without tools; direct or direct/indirect light distribution by LGP body (Light Guiding Prism); side coupled light, directed downwards or up and down by laser engraving; light control via highly reflective reflector material; optional: indirect component with special PCBs for increased luminous flux and maximum ceiling illumination; microprismatic PMMA cover; completely homogeneous illumination; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; light colour 3000 K or 4000 K; CRI ≥ 80; L80 / 50000 h; canopy with 2 cable openings and plug-in terminal for through wiring; degree of protection IP20; PCI; DALI dimmable with CLO function; optional non-dimmable; noise reducing accessories available

**DE** Leuchtenkörper aus Aluminium mit abgerundeten Kanten; unterschiedliche Varianten: Bauform wahlweise rechteckig, L-förmig oder als Viertelkreis-Segment; extrem flache Bauform (nur 15 mm); für durchgehende Lichtsysteme; Oberfläche weiß pulverbeschichtet; Pendelleuchtersystem mit 1500 mm Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; komfortables, werkzeugloses Schnellmontagesystem; direkte bzw. direkt/indirekte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach unten bzw. oben und unten gelenkt; Lichtlenkung mittels hochreflektierenden Reflektormaterials; optional: Indirektlichtanteil mit eigenen Platinen für erhöhten Lichtstrom und maximale Deckenaufhellung; mikroprismatische PMMA-Abdeckung; absolut homogene Ausleuchtung; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; Lichtfarbe 3000 K oder 4000 K; CRI ≥ 80; L80 / 50000 h; Baldachin mit 2 Kabelöffnungen und Steckklemme für Durchgangsverdrahtung; Schutzart IP20; SK I; DALI-dimmbar mit CLO-Funktion; optional nicht dimmbar; schallreduzierendes Zubehör erhältlich

### Features



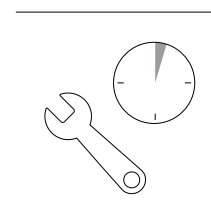
flat design (15 mm)



microprismatic  
(UGR < 19)



linear connector



quick installation

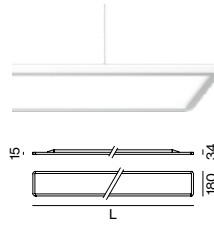


### Standard configuration

**COLOUR TEMPERATURE** ◆◆  
4000 K  6

**CONTROL** ◆◇  
DIM DALI/CLO  3

**MATERIAL COLOUR**  
white



### TASK S LINEAR suspended

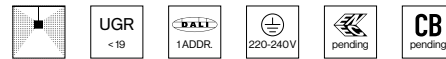
order luminaire + mounting accessories separately

#### DIRECT



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
15W	3000K	1760lm	1180	0 5 9 - 5 7 4 4 <span style="color: blue;">◆◆</span> 7 P
	4000K	1870lm		
23W	3000K	2640lm	1748	0 5 9 - 5 7 4 6 <span style="color: blue;">◆◆</span> 7 P
	4000K	2800lm		
30W	3000K	3520lm	2315	0 5 9 - 5 7 4 8 <span style="color: blue;">◆◆</span> 7 P
	4000K	3740lm		

#### DIRECT / INDIRECT SOFT



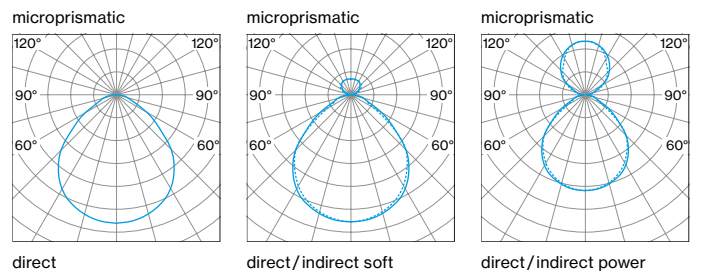
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
23W	3000K	↓ 2710/± 460lm	1180	0 5 9 - 5 7 5 4 <span style="color: blue;">◆◆</span> 7 P
	4000K	↓ 2880/± 480lm		
35W	3000K	↓ 4060/± 680lm	1748	0 5 9 - 5 7 5 6 <span style="color: blue;">◆◆</span> 7 P
	4000K	↓ 4310/± 730lm		
46W	3000K	↓ 5410/± 910lm	2315	0 5 9 - 5 7 5 8 <span style="color: blue;">◆◆</span> 7 P
	4000K	↓ 5750/± 970lm		

#### DIRECT / INDIRECT POWER



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
50W	3000K	↓ 3690/± 1990lm	1180	0 5 9 - 5 7 6 4 <span style="color: blue;">◆◆</span> 7 P
	4000K	↓ 3920/± 2110lm		
75W	3000K	↓ 5540/± 2980lm	1748	0 5 9 - 5 7 6 6 <span style="color: blue;">◆◆</span> 7 P
	4000K	↓ 5880/± 3170lm		
94W	3000K	↓ 7380/± 3970lm	2315	0 5 9 - 5 7 6 8 <span style="color: blue;">◆◆</span> 7 P
	4000K	↓ 7840/± 4220lm		

#### LIGHT DISTRIBUTION



### Extended configuration

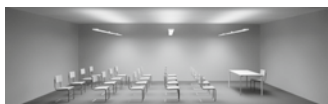
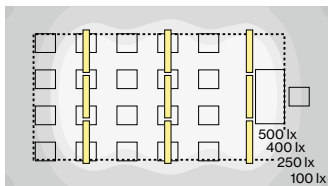
**COLOUR TEMPERATURE** ◆◆  
3000 K  5

**CONTROL** ◆◇  
non DIM  1

### Options on request

**COLOUR RENDERING INDEX**  
CRI ≥ 90

### Technical data



**TASK system** linear, 23W, 4000K  
direct / indirect soft

#### ROOM VALUES

Room dimensions 9 × 5 × 2.8 m  
Reflection factor 0.7 | 0.5 | 0.2  
Maintenance factor 0.8  
Mounting height 2.25 m

#### CALCULATION SURFACE

Surface dimensions 7 × 3.5 m  
Surface height 0.75 m  
Average illuminance (E<sub>m</sub>) > 500 lx

#### GLARE EVALUATION

Table Classification X=4H | Y=8H | S=0.25H  
UGR transversal < 19  
UGR axial < 19  
65° < 3000 cd/m<sup>2</sup>

### Mounting accessories

#### LINEAR CONNECTOR

TYPE	ORDER CODE
with through wire connection (max. for 500 W)	0 5 9 - 2 7 9 2 3 1 7
without through wire connection	0 5 9 - 2 7 9 2 4 1 7
with power feeder 3 × 1,5 mm <sup>2</sup> (non DIM)	0 5 9 - 2 7 9 2 5 2 7
with power feeder 5 × 1,5 mm <sup>2</sup> (DIM DALI)	0 5 9 - 2 7 9 2 5 1 7

#### POWER FEEDER

TYPE	ORDER CODE
3 × 1,5 mm <sup>2</sup> (non DIM)	0 5 9 - 2 7 9 2 2 2 7
5 × 1,5 mm <sup>2</sup> (DIM DALI)	0 5 9 - 2 7 9 2 2 1 7

#### CABLE SUSPENSION

L (mm)	ORDER CODE
1500 mm	0 5 9 - 2 7 9 2 1 1 7

**Standard configuration**

<b>CORNER</b>	⚡
without power feeder	2
with power feeder	3

<b>COLOUR TEMPERATURE</b>	⦿
4000K	6

<b>CONTROL</b>	⬆
DIM DALI/CLO	3

**MATERIAL COLOUR**

white

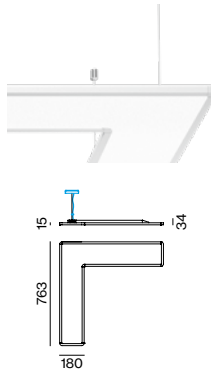
**Extended configuration**

<b>COLOUR TEMPERATURE</b>	⦿
3000K	5

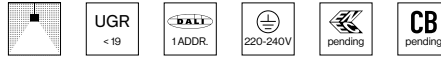
<b>CONTROL</b>	⬆
non DIM	1

**Options on request**

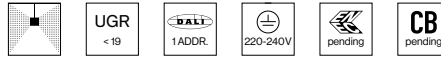
<b>COLOUR RENDERING INDEX</b>	
CRI ≥ 90	

**TASK S CORNER suspended**

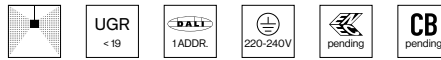
incl. cable suspension 1500 mm

**DIRECT**

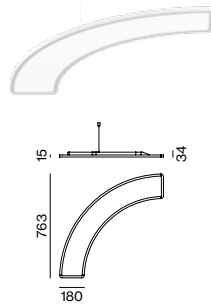
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
18 W	3000 K	2010lm	763	0 5 9 - 5 8 4 ⚡ ⦿ ⬆ 7 P
	4000 K	2130lm		

**DIRECT / INDIRECT SOFT**

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
26 W	3000 K	↓ 2630/↑ 530lm	763	0 5 9 - 5 8 5 ⚡ ⦿ ⬆ 7 P
	4000 K	↓ 2790/↑ 540lm		

**DIRECT / INDIRECT POWER**

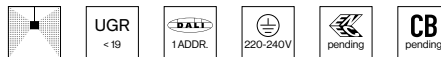
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
58 W	3000 K	↓ 4220/↑ 2240lm	763	0 5 9 - 5 8 6 ⚡ ⦿ ⬆ 7 P
	4000 K	↓ 4480/↑ 2380lm		

**TASK S CURVE suspended**

incl. cable suspension 1500 mm

**DIRECT**

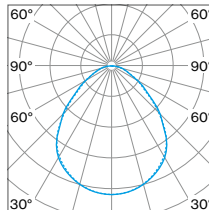
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
15 W	3000 K	1710lm	763	0 5 9 - 5 5 4 2 ⦿ ⬆ 7 P
	4000 K	1820lm		

**DIRECT / INDIRECT POWER**

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
50 W	3000 K	↓ 3590/↑ 1910lm	763	0 5 9 - 5 5 6 2 ⦿ ⬆ 7 P
	4000 K	↓ 3810/↑ 2030lm		

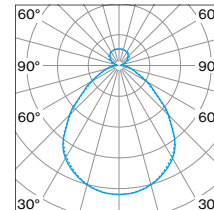
**LIGHT DISTRIBUTION**

microprismatic



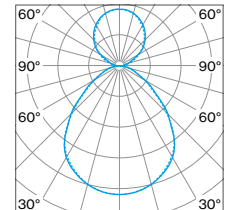
direct

microprismatic



direct/indirect soft

microprismatic



direct/indirect power

## Standard configuration

MATERIAL COLOUR	
felt grey	G
anthracite	B
indigo blue	E
bright blue	P
white	W
black	L



other colours on request

## Quickinfo

### ACOUSTIC

absorber  
up to absorption class A

### PHYSICAL

PET felt  
from recycled material  
colour range

## Description

**EN** Highly effective acoustic element made of self-supporting polyester fleece; felt grey, anthracite, indigo blue, bright blue, white or black; for insertion into the TASK S suspended system; or single installation, choice of surface mounted and pendant versions with 1500 mm cable suspension

**DE** Hochwirksames Akustikelement aus selbsttragendem Polyester-Vlies; filzgrau, anthrazit, indigoblau, hellblau, weiß oder schwarz; zum Einlegen in TASK S suspended system; oder Einzelmontage, wahlweise aufgebaute oder abgehängte Variante mit 1500 mm Seilabhängung

## Features

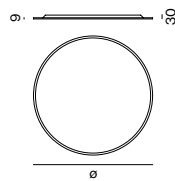


single installation with mounting accessories

## Acoustic accessories

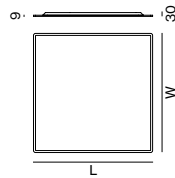
### TASK ACOUSTIC ROUND

TYPE	Ø-H (mm)	ORDER CODE
600 panel only*	600-30	0 5 9 - 5 7 9 6 3 4
900 panel only*	900-30	0 5 9 - 5 7 9 6 3 5
1200 panel only*	1155-30	0 5 9 - 5 7 9 6 3 6
1200 inlay TASK S CURVE**	1155-30	0 5 9 - 5 7 9 7 3 6



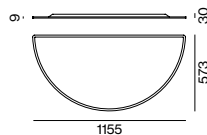
### TASK ACOUSTIC SQUARE

TYPE	L-WH (mm)	ORDER CODE
600 panel only*	600-600-30	0 5 9 - 5 7 9 6 1 4
900 panel only*	900-900-30	0 5 9 - 5 7 9 6 1 5
1200 panel only*	1155-1155-30	0 5 9 - 5 7 9 6 1 6
1200 inlay TASK S LINEAR**	1155-1155-30	0 5 9 - 5 7 9 7 1 6
1200 inlay TASK S CORNER**	1155-1155-30	0 5 9 - 5 7 9 7 1 6



### TASK ACOUSTIC HALF ROUND

TYPE	L-WH (mm)	ORDER CODE
1200 inlay TASK S CURVE**	1155-573-30	0 5 9 - 5 7 9 7 4 6



### TASK ACOUSTIC HALF SQUARE

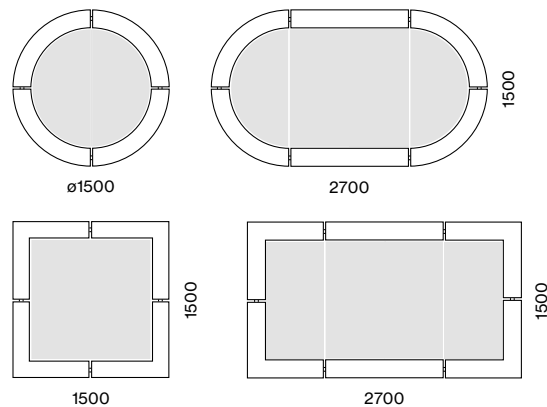
TYPE	L-WH (mm)	ORDER CODE
1200 panel only*	1155-573-30	0 5 9 - 5 7 9 6 2 6
1200 inlay TASK S LINEAR**	1155-573-30	0 5 9 - 5 7 9 7 2 6
1200 inlay TASK S CORNER**	1155-573-30	0 5 9 - 5 7 9 7 2 6



\* order mounting accessories separately

\*\* no mounting accessories needed

## INLAY FOR TASK S SYSTEM



## Mounting accessories

### SURFACE MOUNTING SET

TYPE	ORDER CODE
small*	0 5 9 - 5 7 9 5 1 3 0
large**	0 5 9 - 5 7 9 5 1 4 0

\* for ROUND 600 and SQUARE 600

\*\* for ROUND 900/1200, SQUARE 900/1200 and HALF SQUARE 1200

### SUSPENSION SET 1500 mm

TYPE	ORDER CODE
round	0 5 9 - 5 7 9 5 3 1 0
square/half square	0 5 9 - 5 7 9 5 3 2 0

# LENO

## trim system

[xal.com/leno](http://xal.com/leno)



### Quickinfo

#### GENERAL

recessed with trim  
ceiling thickness 12,5 mm  
↓ IP 40 / ↑ IP 20  
quick installation

#### LED

Mid-power LED  
up to 2590 lm/m  
up to 126 lm/W  
3000 K, 4000 K  
CRI ≥ 80  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination  
HPO PMMA cover opal  
microprismatic (UGR < 19)  
jut-out PMMA cover  
asymmetric illumination

#### ELECTRICAL

non DIM, DIM DALI  
through wire included

#### PHYSICAL

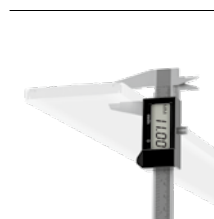
aluminium  
powder-coated  
613–2438 mm  
halogen-free cable

### Description

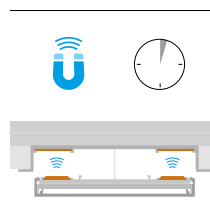
**EN** Low profile recessed channel, height 14 mm; suitable for installation in 12.5 mm ceilings, with trim; suitable for wall or ceiling mounting; designed for continuous lighting systems; easy mounting without need to cut the substructure; surface white powder coated; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light, directed downwards by LGP body (Light Guiding Prism) and highly efficient reflector; homogeneously illuminated, satinised (flush or jut-out) or microprismatic PMMA cover; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); optional with asymmetric light distribution; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 80% of the luminous flux after 50 000 hours; degree of protection from below IP40 (from above IP20); PC II; incl. external converter for ceiling insertion; optional non-dimmable

**DE** Extrem flacher Einbaukanal mit 14 mm Höhe; geeignet für den Einbau in 12,5 mm Decken, mit umlaufendem Rand; geeignet für die Wand- oder Deckenmontage; ausgelegt für durchgehende Lichtsysteme; einfache Montage ohne Schneiden der Unterkonstruktion; Oberfläche weiß pulverbeschichtet; absturzesicherer Lichteinsatz aus stranggepresstem Aluminiumprofil werkzeuglos mittels Magnethalter in Kanal einsetzbar; seitlich eingekoppeltes Licht durch LGP-Body (Light-Guiding-Prism) und hocheffizientem Reflektor nach unten gelenkt; homogen ausgeleuchtete, satinierte (bündig oder herausragend) oder mikroprismatische Abdeckung aus PMMA; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); optional mit asymmetrischer Lichtverteilung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP 40 unten (oben IP 20); SK II; inkl. externem Konverter für Deckeneinwurf; optional nicht dimmbar

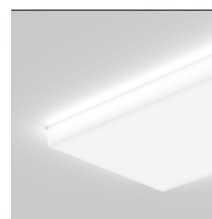
### Features



flat inset (11 mm)



magnetic holders for tool-free mounting



jut-out PMMA cover



asymmetric illumination

### Standard configuration

**COLOUR TEMPERATURE** ⦿  
3000K 5

**CONTROL** ⬆  
DIM DALI 3

**MATERIAL COLOUR**  
white



**LIGHT OPTIC COVER** □  
opal high performance H

### Extended configuration

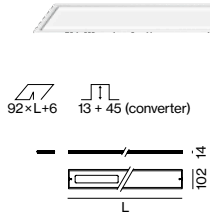
**COLOUR TEMPERATURE** ⦿  
4000K 6

**CONTROL** ⬆  
non DIM 1

**LIGHT OPTIC COVER** □  
microprismatic (UGR < 19) G  
jut-out J  
asymmetric A

### Options on request

**EMERGENCY LIGHT**  
1h accupack  
3h accupack



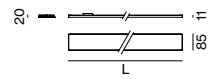
### LENO trim

order installation channel, light inset + mounting accessories separately

#### INSTALLATION CHANNEL

TYPE	L (mm)	ORDER CODE
channel	613	0 5 1 - 8 9 1 0 0 6 7
channel	1221	0 5 1 - 8 9 1 0 1 2 7
channel	1830	0 5 1 - 8 9 1 0 1 8 7
channel	2438	0 5 1 - 8 9 1 0 2 4 7

#### LIGHT INSET



SYS. POWER (OPAL, MP, JUT-OUT / ASYM.)	L (mm)	ORDER CODE
11W/16W	612	0 5 1 - 8 0 1 2 : : : 7 □
19W/32W	1220	0 5 1 - 8 0 1 4 : : : 7 □
29W/47W	1828	0 5 1 - 8 0 1 6 : : : 7 □
39W/63W	2436	0 5 1 - 8 0 1 8 : : : 7 □

COVER	COLOUR TEMP.	SYSTEM POWER	DELIVERED LUMENS	EFFICACY
opal high	3000K	18W/m	1880 lm/m	104 lm/W
performance	4000K		2000 lm/m	111 lm/W
microprismatic	3000K	18W/m	1780 lm/m	99 lm/W
UGR < 19	4000K		1890 lm/m	105 lm/W
jut-out	3000K	18W/m	1800 lm/m	100 lm/W
	4000K		1910 lm/m	106 lm/W
asymmetric	3000K	26W/m	2440 lm/m	94 lm/W
	4000K		2590 lm/m	100 lm/W

### Accessories



#### END CAPS

TYPE	ORDER CODE
end caps (pair)	0 5 1 - 8 9 9 1 2 1 7



#### LINEAR CONNECTOR

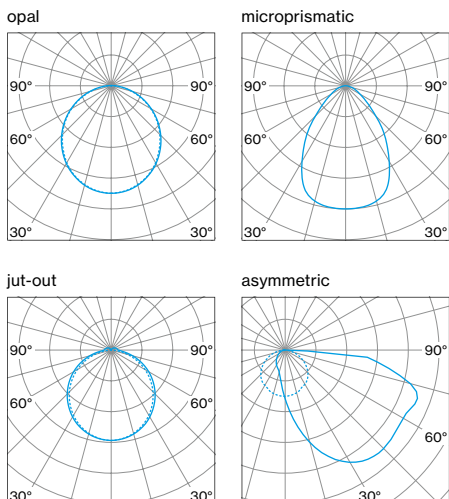
TYPE	ORDER CODE
linear connector (pair)	0 5 1 - 8 9 9 0 1 1 0
linear connector (10 pairs)	0 5 1 - 8 9 9 0 1 1 0 . 1 0



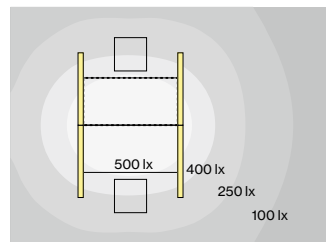
#### DISMOUNTING TOOL

TYPE	ORDER CODE
vacuum cup	0 8 6 - 3 0 0 0 0

### LIGHT DISTRIBUTION



### Technical data



**LENO trim, microprismatic, 19W, 4000K**

#### ROOM VALUES

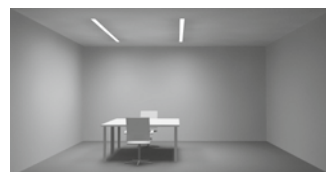
Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8

#### CALCULATION SURFACE

Surface dimensions	1.6 × 0.8
Surface height	0.75
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6

#### GLARE EVALUATION

Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	< 19
UGR axial	< 19
65° < 3000 cd/m <sup>2</sup>	



# LENO

## trimless system

[xal.com/leno](http://xal.com/leno)



### Quickinfo

#### GENERAL

recessed trimless  
ceiling thickness 12,5 mm  
↓ IP 40 / ↑ IP 20  
quick installation

#### LED

Mid-power LED  
up to 2590 lm/m  
up to 126 lm/W  
3000 K, 4000 K  
CRI ≥ 80  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination  
HPO PMMA cover opal  
microprismatic (UGR < 19)  
jut-out PMMA cover  
asymmetric illumination

#### ELECTRICAL

non DIM, DIM DALI  
through wire included

#### PHYSICAL

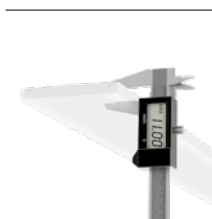
aluminium  
powder-coated  
613–2438 mm  
halogen-free cable

### Description

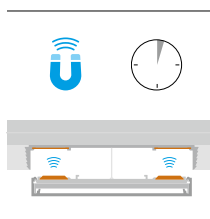
**EN** Low profile recessed channel, height 13 mm; suitable for rimless installation in 12.5 mm plasterboard ceilings; suitable for wall or ceiling mounting; special edge design with grooves for better adhesion of filler; designed for continuous lighting systems; easy mounting without need to cut the substructure; surface white powder coated; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light, directed downwards by LGP body (Light Guiding Prism) and highly efficient reflector; homogeneously illuminated, satinised or microprismatic PMMA cover; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 80 % of the luminous flux after 50 000 hours; degree of protection from below IP 40 (from above IP 20); PC II; incl. external converter for ceiling insertion; optional non-dimmable

**DE** Extrem flacher Einbaukanal mit 13 mm Höhe; geeignet für den randlosen Einbau in 12,5 mm Gipskartondecken; geeignet für die Wand- oder Deckenmontage; spezielle Randausbildung mit Rillen für bessere Haftung der Spachtelmasse; ausgelegt für durchgehende Lichtsysteme; einfache Montage ohne Schneiden der Unterkonstruktion; Oberfläche weiß pulverbeschichtet; absturzgesicherter Lichteinsatz aus stranggepresstem Aluminiumprofil werkzeuglos mittels Magnethalter in Kanal einsetzbar; seitlich eingekoppeltes Licht durch LGP-Body (Light-Guiding-Prism) und hocheffizientem Reflektor nach unten gelenkt; homogen ausgeleuchtete, satinierte oder mikroprismatische Abdeckung aus PMMA; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80 % des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP 40 unten (oben IP 20); SK II; inkl. externem Konverter für Deckeneinwurf; optional nicht dimmbar

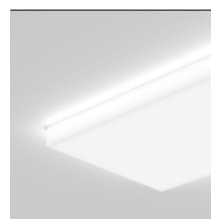
### Features



flat inset (11 mm)



magnetic holders for  
tool-free mounting



jut-out PMMA cover



asymmetric  
illumination

### Standard configuration

**COLOUR TEMPERATURE** ⦿  
3000K 5

**CONTROL** ⬆  
DIM DALI 3

**MATERIAL COLOUR**  
white



**LIGHT OPTIC COVER** □  
opal high performance H

### Extended configuration

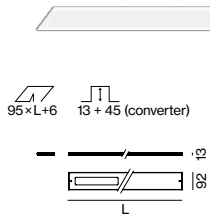
**COLOUR TEMPERATURE** ⦿  
4000K 6

**CONTROL** ⬆  
non DIM 1

**LIGHT OPTIC COVER** □  
microprismatic (UGR < 19) G  
jut-out J  
asymmetric A

### Options on request

**EMERGENCY LIGHT**  
1h accupack  
3h accupack



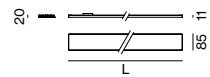
### LENO trimless

order installation channel, light inset + mounting accessories separately

#### INSTALLATION CHANNEL

TYPE	L (mm)	ORDER CODE
channel	613	0 5 1 - 8 9 0 0 0 6 7
channel	1221	0 5 1 - 8 9 0 0 1 2 7
channel	1830	0 5 1 - 8 9 0 0 1 8 7
channel	2438	0 5 1 - 8 9 0 0 2 4 7

#### LIGHT INSET



SYS. POWER (OPAL, MP, JUT-OUT / ASYM.)	L (mm)	ORDER CODE
11W/16W	612	0 5 1 - 8 0 1 2 : : 7 □
19W/32W	1220	0 5 1 - 8 0 1 4 : : 7 □
29W/47W	1828	0 5 1 - 8 0 1 6 : : 7 □
39W/63W	2436	0 5 1 - 8 0 1 8 : : 7 □

COVER	COLOUR TEMP.	SYSTEM POWER	DELIVERED LUMENS	EFFICACY
opal high	3000K	18W/m	1880 lm/m	104 lm/W
performance	4000K		2000 lm/m	111 lm/W
microprismatic	3000K	18W/m	1780 lm/m	99 lm/W
UGR < 19	4000K		1890 lm/m	105 lm/W
jut-out	3000K	18W/m	1800 lm/m	100 lm/W
	4000K		1910 lm/m	106 lm/W
asymmetric	3000K	26W/m	2440 lm/m	94 lm/W
	4000K		2590 lm/m	100 lm/W

### Accessories



#### END CAPS

TYPE	ORDER CODE
end caps (pair)	0 5 1 - 8 9 9 0 2 1 7



#### LINEAR CONNECTOR

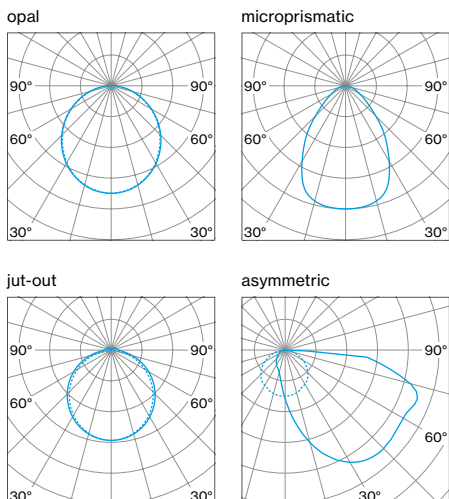
TYPE	ORDER CODE
linear connector (pair)	0 5 1 - 8 9 9 0 1 1 0
linear connector (10 pairs)	0 5 1 - 8 9 9 0 1 1 0 . 1 0



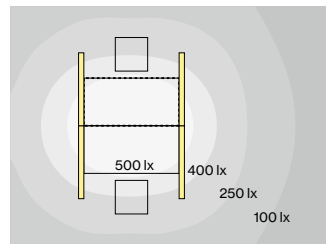
#### DISMOUNTING TOOL

TYPE	ORDER CODE
vacuum cup	0 8 6 - 3 0 0 0 0

### LIGHT DISTRIBUTION



### Technical data



**LENO** trimless, microprismatic,  
19W, 4000K

#### ROOM VALUES

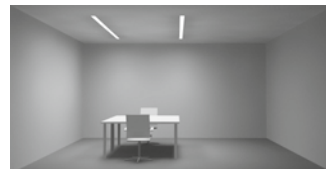
Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8

#### CALCULATION SURFACE

Surface dimensions	1.6 × 0.8
Surface height	0.75
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6

#### GLARE EVALUATION

Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	< 19
UGR axial	< 19
65° < 3000 cd/m <sup>2</sup>	





# LENO

## semi-recessed system

[xal.com/leno](http://xal.com/leno)



### Quickinfo

#### GENERAL

semi-recessed

± IP 40 / ± IP 20

quick installation

#### LED

Mid-power LED

up to 2007 lm/m

up to 126 lm/W

3000K, 4000K

CRI ≥ 80

Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination

HPO PMMA cover opal

microprismatic (UGR < 19)

jut-out PMMA cover

#### ELECTRICAL

DIM DALI

through wire included

#### PHYSICAL

aluminium

powder-coated

613–2438 mm

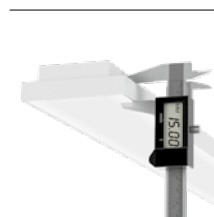
halogen-free cable

### Description

**EN** Low profile recessed mounted luminaire, 15 mm visible height; suitable for wall or ceiling mounting; suitable for installation in primed or exposed concrete, in plasterboard constructions and in plastered walls or ceilings; designed for continuous lighting systems; surface powder coated in white, grey or black; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal with-out tools by magnetic holders; side coupled light, directed downwards by LGP body (Light Guiding Prism) and highly efficient reflector; homogeneously illuminated, satinised (flush or jut-out) or microprismatic PMMA cover; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 80% of the luminous flux after 50 000 hours; degree of protection from below IP 40 (from above IP 20); PC I; DALI dimmable

**DE** Extrem flache Einbauleuchte mit 15 mm sichtbarer Höhe; geeignet für die Wand- oder Deckenmontage; geeignet für den Einbau in gespachtelten Beton oder Sichtbeton, in Gipskartonkonstruktionen und in verputzten Wänden oder Decken; ausgelegt für durchgehende Lichtsysteme; Oberfläche weiß, grau oder schwarz pulverbeschichtet; absturzesicherer Lichteinsatz aus stranggepresstem Aluminiumprofil werkzeuglos mittels Magnethalter in Kanal einsetzbar; seitlich eingekoppeltes Licht durch LGP-Body (Light-Guiding-Prism) und hocheffizientem Reflektor nach unten gelenkt; homogen ausgeleuchtete, satinierte (bündig oder herausragend) oder mikroprismatische Abdeckung aus PMMA; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP 40 unten (oben IP 20); SKI; DALI-dimmbar

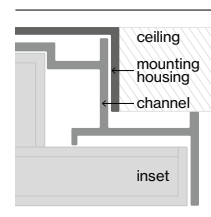
### Features



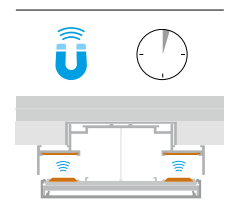
flat design (15 mm)



jut-out PMMA cover



mounting



magnetic holders for tool-free mounting



### Standard configuration

**COLOUR TEMPERATURE** ☐☐  
3000K 5

**CONTROL**  
DIM DALI

**MATERIAL COLOUR** ☑  
white 7



**LIGHT OPTIC COVER** ☑  
opal high performance H

### Extended configuration

**COLOUR TEMPERATURE** ☐☐  
4000K 6

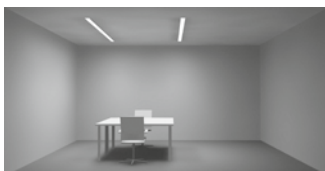
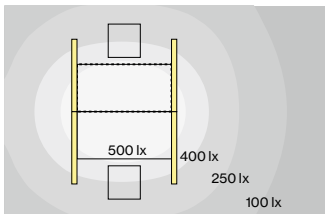
**MATERIAL COLOUR** ☑  
grey G  
black 8



+5% surcharges

**LIGHT OPTIC COVER** ☑  
microprismatic (UGR < 19) G  
jut-out J

### Technical data

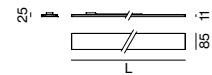
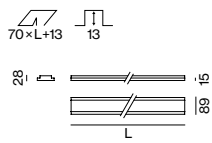


**LENO** semi-recessed,  
microprismatic, 19W, 4000K

**ROOM VALUES**  
Room dimensions 5.4 x 4 x 2.8m  
Reflection factor 0.7 | 0.5 | 0.2  
Maintenance factor 0.8

**CALCULATION SURFACE** .....  
Surface dimensions 1.6 x 0.8  
Surface height 0.75  
Average illuminance (E<sub>m</sub>) > 500 lx  
Uniformity (U<sub>0</sub>) > 0.6

**GLARE EVALUATION**  
Table Classification X=4H | Y=8H | S=0.25H  
UGR transversal < 19  
UGR axial < 19  
65° < 3000 cd/m²



### LENO semi-recessed

order installation channel, light inset + mounting accessories separately

#### INSTALLATION CHANNEL

TYPE	L (mm)	ORDER CODE
channel	613	0 5 1 - 8 9 2 0 0 6 ☑
channel	1221	0 5 1 - 8 9 2 0 1 2 ☑
channel	1830	0 5 1 - 8 9 2 0 1 8 ☑
channel	2438	0 5 1 - 8 9 2 0 2 4 ☑

#### LIGHT INSET

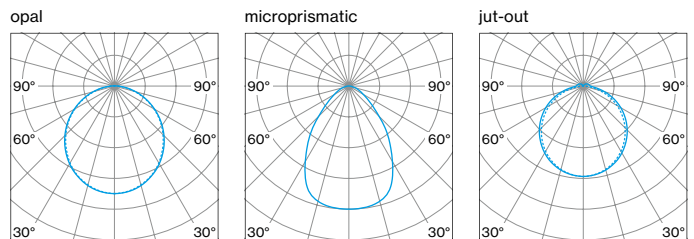


SYSTEM POWER	L (mm)	ORDER CODE
11W	612*	0 5 1 - 8 1 1 2 ☐☐☐ 3 7 ☐
19W	1220	0 5 1 - 8 2 1 4 ☐☐☐ 3 7 ☐
29W	1828	0 5 1 - 8 2 1 6 ☐☐☐ 3 7 ☐
39W	2436	0 5 1 - 8 2 1 8 ☐☐☐ 3 7 ☐

\*only available as end unit

COVER	COLOUR TEMP.	SYSTEM POWER	DELIVERED LUMENS	EFFICACY
opal high performance	3000K	18W/m	1880 lm/m	104 lm/W
microprismatic	4000K	18W/m	2000 lm/m	111 lm/W
UGR < 19	3000K	18W/m	1780 lm/m	99 lm/W
jut-out	4000K	18W/m	1890 lm/m	105 lm/W
	3000K	18W/m	1800 lm/m	100 lm/W
	4000K	18W/m	1910 lm/m	106 lm/W

#### LIGHT DISTRIBUTION



### Accessories

#### END CAPS

TYPE	ORDER CODE
end caps mounting housing (pair)	0 5 1 - 8 9 9 6 2 1 0
end caps semi-recessed	0 5 1 - 8 9 9 2 2 1 ☑

#### LINEAR CONNECTOR

TYPE	ORDER CODE
linear connector (pair)	0 5 1 - 8 9 9 2 1 1 0
linear connector (10 pairs)	0 5 1 - 8 9 9 2 1 1 0 . 1 0

#### POWER FEEDER CONNECTOR 220-240V | 13A

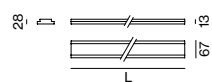
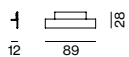
TYPE	ORDER CODE
power feeder connector	0 5 1 - 8 9 9 2 3 3 0

#### CONCRETE MOUNTING HOUSING

L (mm)	UNIT	ORDER CODE
616	end	0 5 1 - 8 9 6 0 0 6 0
1224	start/end	0 5 1 - 8 9 6 0 1 2 0
1221	middle	0 5 1 - 8 9 6 1 1 2 0
1833	start/end	0 5 1 - 8 9 6 0 1 8 0
1830	middle	0 5 1 - 8 9 6 1 1 8 0
2441	start/end	0 5 1 - 8 9 6 0 2 4 0
2438	middle	0 5 1 - 8 9 6 1 2 4 0

#### DISMOUNTING TOOL

TYPE	ORDER CODE
vacuum cup	0 8 6 - 3 0 0 0 0



# LENO

## surface system

[xal.com/leno](http://xal.com/leno)



### Quickinfo

#### GENERAL

ceiling surface

± IP 40 / ± IP 20

quick installation

#### LED

Mid-power LED

up to 2007 lm/m

up to 126 lm/W

3000K, 4000K

CRI ≥ 80

Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination

HPO PMMA cover opal

microprismatic (UGR < 19)

jut-out PMMA cover

#### ELECTRICAL

DIM DALI

through wire included

#### PHYSICAL

aluminium

powder-coated

613–2438 mm

halogen-free cable

### Description

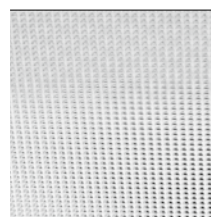
**EN** Low profile surface mounted luminaire, 28mm total height; suitable for wall or ceiling mounting; designed for continuous lighting systems; surface powder coated in white, grey or black; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light, directed downwards by LGP body (Light Guiding Prism) and highly efficient reflector; homogeneously illuminated, satinised (flush or jut-out) or microprismatic PMMA cover; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000K and 4000K; CRI ≥ 80; min. 80% of the luminous flux after 50 000 hours; degree of protection from below IP40 (from above IP20); PCI; DALI dimmable

**DE** Extrem flache Anbauleuchte mit 28 mm Gesamthöhe; geeignet für die Wand- oder Deckenmontage; ausgelegt für durchgehende Lichtsysteme; Oberfläche weiß, grau oder schwarz pulverbeschichtet; absturzesicherer Lichteinsatz aus stranggepresstem Aluminiumprofil werkzeuglos mittels Magnethalter in Kanal einsetzbar; seitlich eingekoppeltes Licht durch LGP-Body (Light-Guiding-Prism) und hocheffizientem Reflektor nach unten gelenkt; homogen ausgeleuchtete, satinierte (bündig oder herausragend) oder mikroprismatische Abdeckung aus PMMA; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000K und 4000K; CRI ≥ 80; min. 80% des Lichtstromes nach 50 000h Lebensdauer; Schutzart IP 40 unten (oben IP 20); SKI; DALI-dimmbar

### Features



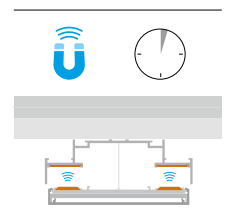
flat design (28 mm)



microprismatic (UGR < 19)



jut-out PMMA cover



magnetic holders for tool-free mounting

### Standard configuration

COLOUR TEMPERATURE ☐☐  
3000K 5

CONTROL  
DIM DALI

MATERIAL COLOUR ☑  
white 7



LIGHT OPTIC COVER ☐  
opal high performance H

### Extended configuration

COLOUR TEMPERATURE ☐☐  
4000K 6

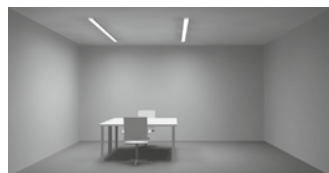
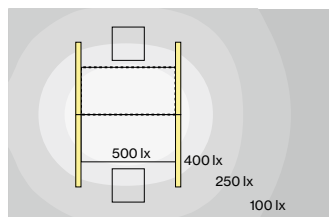
MATERIAL COLOUR ☑  
grey G  
black 8



+5% surcharges

LIGHT OPTIC COVER ☐  
microprismatic (UGR < 19) G  
jut-out J

### Technical data

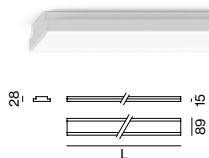


LENO surface, microprismatic,  
19W, 4000K

**ROOM VALUES**  
Room dimensions 5.4 × 4 × 2.8m  
Reflection factor 0.7 | 0.5 | 0.2  
Maintenance factor 0.8

**CALCULATION SURFACE** .....  
Surface dimensions 1.6 × 0.8  
Surface height 0.75  
Average illuminance (E<sub>m</sub>) > 500 lx  
Uniformity (U<sub>0</sub>) > 0.6

**GLARE EVALUATION**  
Table Classification X=4H | Y=8H | S=0.25H  
UGR transversal < 19  
UGR axial < 19  
65° < 3000 cd/m²



### LENO surface

order installation channel, light inset + mounting accessories separately

#### INSTALLATION CHANNEL

TYPE	L (mm)	ORDER CODE
channel	613	0 5 1 - 8 9 2 0 0 6 <span style="color: blue;">☑</span>
channel	1221	0 5 1 - 8 9 2 0 1 2 <span style="color: blue;">☑</span>
channel	1830	0 5 1 - 8 9 2 0 1 8 <span style="color: blue;">☑</span>
channel	2438	0 5 1 - 8 9 2 0 2 4 <span style="color: blue;">☑</span>

#### LIGHT INSET

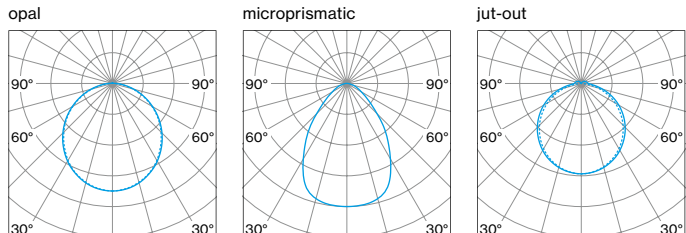


SYSTEM POWER	L (mm)	ORDER CODE
11W	612*	0 5 1 - 8 1 1 2 : 3 7 <span style="color: blue;">☐</span>
19W	1220	0 5 1 - 8 2 1 4 : 3 7 <span style="color: blue;">☐</span>
29W	1828	0 5 1 - 8 2 1 6 : 3 7 <span style="color: blue;">☐</span>
39W	2436	0 5 1 - 8 2 1 8 : 3 7 <span style="color: blue;">☐</span>

\*only available as end unit

COVER	COLOUR TEMP.	SYSTEM POWER	DELIVERED LUMENS	EFFICACY
opal high	3000K	18W/m	1880 lm/m	104 lm/W
performance	4000K		2000 lm/m	111 lm/W
microprismatic	3000K	18W/m	1780 lm/m	99 lm/W
UGR < 19	4000K		1890 lm/m	105 lm/W
jut-out	3000K	18W/m	1800 lm/m	100 lm/W
	4000K		1910 lm/m	106 lm/W

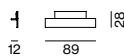
#### LIGHT DISTRIBUTION



### Accessories

#### END CAPS

TYPE	ORDER CODE
end caps (pair)	0 5 1 - 8 9 9 2 2 1 <span style="color: blue;">☑</span>



#### LINEAR CONNECTOR

TYPE	ORDER CODE
linear connector (pair)	0 5 1 - 8 9 9 2 1 1 0
linear connector (10 pairs)	0 5 1 - 8 9 9 2 1 1 0 . 1 0



#### POWER FEEDER CONNECTOR 220-240V | 13A

TYPE	ORDER CODE
power feeder connector	0 5 1 - 8 9 9 2 3 3 0



#### DISMOUNTING TOOL

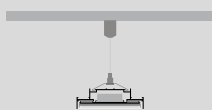
TYPE	ORDER CODE
vacuum cup	0 8 6 - 3 0 0 0 0



# LENO

## suspended system

[xal.com/leno](http://xal.com/leno)



### Quickinfo

#### GENERAL

suspended

IP20

quick installation

#### LED

Mid-power LED

up to 2007 lm/m

up to 126 lm/W

3000 K, 4000 K

CRI ≥ 80

Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

direct illumination

HPO PMMA cover opal

microprismatic (UGR < 19)

jut-out PMMA cover

#### ELECTRICAL

DIM DALI

through wire included

#### PHYSICAL

aluminium

powder-coated

613–2438 mm

halogen-free cable (internal wiring)

### Description

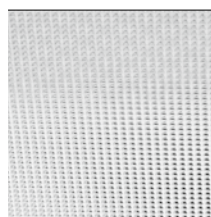
**EN** Low profile suspended luminaire, 28 mm total height; luminaire with 1500 mm cable suspension; with integrated tool-less suspension height adjustment; incl. transparent feed; designed for continuous lighting systems; surface powder coated in white, grey or black; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light, directed downwards by LGP body (Light Guiding Prism) and highly efficient reflector; homogeneously illuminated, satinised (flush or jut-out) or microprismatic PMMA cover; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 80% of the luminous flux after 50 000 hours; degree of protection IP20; PCI; DALI dimmable

**DE** Extrem flache Pendelleuchte mit 28 mm Gesamthöhe; Leuchte mit 1500 mm Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; inkl. transparenter Einspeiseleitung; ausgelegt für durchgehende Lichtsysteme; Oberfläche weiß, grau oder schwarz pulverbeschichtet; absturzesicherer Lichteinsatz aus stranggepresstem Aluminiumprofil werkzeuglos mittels Magnethalter in Kanal einsetzbar; seitlich eingekoppeltes Licht durch LGP-Body (Light-Guiding-Prism) und hocheffizientem Reflektor nach unten gelenkt; homogen ausgeleuchtete, satinierte (bündig oder herausragend) oder mikroprismatische Abdeckung aus PMMA; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP20; SKI; DALI-dimmbar

### Features



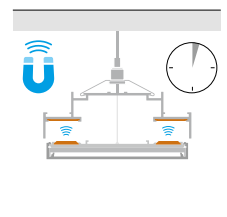
flat design (28 mm)



microprismatic (UGR < 19)



jut-out PMMA cover



magnetic holders for tool-free mounting

### Standard configuration

**COLOUR TEMPERATURE** ⋮  
3000K 5

**CONTROL**  
DIM DALI

**MATERIAL COLOUR** ☑  
white 7



**LIGHT OPTIC COVER** ☑  
opal high performance H

### Extended configuration

**COLOUR TEMPERATURE** ⋮  
4000K 6

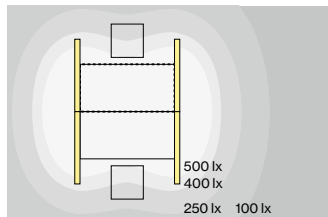
**MATERIAL COLOUR** ☑  
grey G  
black 8



+5% surcharges

**LIGHT OPTIC COVER** ☑  
microprismatic (UGR < 19) G  
jut-out J

### Technical data



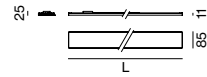
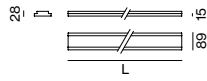
**LENO** suspended, microprismatic, 19W, 4000K

**ROOM VALUES**

Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Mounting height	2.25 m

**CALCULATION SURFACE** .....  
Surface dimensions 1.6 × 0.8  
Surface height 0.75  
Average illuminance (E<sub>m</sub>) > 500 lx  
Uniformity (U<sub>0</sub>) > 0.6

**GLARE EVALUATION**  
Table Classification X=4H | Y=8H | S=0.25H  
UGR transversal < 19  
UGR axial < 19  
65° < 3000 cd/m²



### LENO suspended

order installation channel, light inset + mounting accessories separately

#### INSTALLATION CHANNEL

TYPE	L (mm)	ORDER CODE
channel	613	0 5 1 - 8 9 3 0 0 6 <span style="color: blue;">☑</span>
channel	1221	0 5 1 - 8 9 3 0 1 2 <span style="color: blue;">☑</span>
channel	1830	0 5 1 - 8 9 3 0 1 8 <span style="color: blue;">☑</span>
channel	2438	0 5 1 - 8 9 3 0 2 4 <span style="color: blue;">☑</span>

#### LIGHT INSET

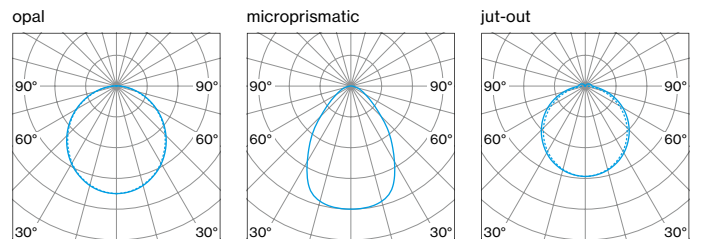


SYSTEM POWER	L (mm)	ORDER CODE
11W	612*	0 5 1 - 8 1 1 2 <span style="color: blue;">☐</span> 3 7 <span style="color: blue;">☐</span>
19W	1220	0 5 1 - 8 2 1 4 <span style="color: blue;">☐</span> 3 7 <span style="color: blue;">☐</span>
29W	1828	0 5 1 - 8 2 1 6 <span style="color: blue;">☐</span> 3 7 <span style="color: blue;">☐</span>
39W	2436	0 5 1 - 8 2 1 8 <span style="color: blue;">☐</span> 3 7 <span style="color: blue;">☐</span>

\*only available as end unit

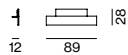
COVER	COLOUR TEMP.	SYSTEM POWER	DELIVERED LUMENS	EFFICACY
opal high performance	3000K	18W/m	1880 lm/m	104 lm/W
microprismatic	4000K	18W/m	2000 lm/m	111 lm/W
UGR < 19	3000K	18W/m	1780 lm/m	99 lm/W
jut-out	4000K	18W/m	1890 lm/m	105 lm/W
	3000K	18W/m	1800 lm/m	100 lm/W
	4000K	18W/m	1910 lm/m	106 lm/W

#### LIGHT DISTRIBUTION



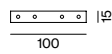
### Accessories

#### END CAPS



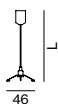
TYPE	ORDER CODE
end caps (pair)	0 5 1 - 8 9 9 2 2 1 <span style="color: blue;">☑</span>

#### LINEAR CONNECTOR



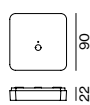
TYPE	ORDER CODE
linear connector (pair)	0 5 1 - 8 9 9 3 1 1 0
linear connector (10 pairs)	0 5 1 - 8 9 9 3 1 1 0 . 1 0

#### CABLE SUSPENSION



L (mm)	ORDER CODE
1500	0 0 5 - 2 1 2 2 1 1 0

#### POWER FEEDER



TYPE	L (mm)	ORDER CODE
power feeder 5 × 1,5 mm² (DIM DALI)	1500	0 0 5 - 2 2 1 2 4 1 <span style="color: blue;">☑</span>
cable rail	1200	0 0 5 - 2 4 9 1 1 1 0

#### POWER FEEDER CONNECTOR 220–240 V | 13A



TYPE	ORDER CODE
power feeder connector	0 5 1 - 8 9 9 2 3 3 0

#### DISMOUNTING TOOL



TYPE	ORDER CODE
vacuum cup	0 8 6 - 3 0 0 0 0

# LINEA EVO

## wall system

[xal.com/linea-evo](http://xal.com/linea-evo)



### Quickinfo

#### GENERAL

wall mounted  
IP20

#### LED

Mid-power LED  
up to 2200lm/m  
up to 142lm/W  
3000K, 4000K  
CRI ≥ 80, CRI ≥ 90  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000h

#### OPTICAL

direct/indirect illumination  
PMMA cover opal  
opal, wall grazer, asymmetric lens

#### ELECTRICAL

non DIM, DIM DALI

#### PHYSICAL

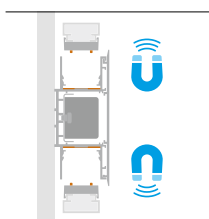
aluminium  
powder-coated  
halogen-free cable

### Description

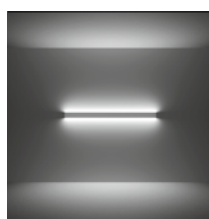
**EN** Luminaire housing and front cover from extruded aluminium profile, angular version; no visible screws; designed for continuous lighting systems; surface powder coated in grey, white or black; suitable for wall mounting; homogeneous wall or ceiling illumination through uniform direct/indirect light distribution; precise radiation characteristic with three different lens profiles (opal, wall grazer, asymmetric); energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000K and 4000K; CRI ≥ 80, asymmetric variant CRI ≥ 90; min. 80% of the luminous flux after 50 000 hours; degree of protection IP20; PC III; optionally non-dimmable or DALI dimmable

**DE** Leuchtenkörper und Frontabdeckung aus Aluminiumstrangpressprofil, kantige Ausführung; keine sichtbaren Schrauben; ausgelegt für durchgehende Lichtsysteme; Oberfläche grau, weiß oder schwarz pulverbeschichtet; geeignet für Wandmontage; homogene Wand- bzw. Deckenaufhellung durch gleichmäßige direkt/indirekte Lichtverteilung; präzise Abstrahlcharakteristik mit drei verschiedenen Linsenprofilen (opal, wall grazer, asymmetric); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000K und 4000K; CRI ≥ 80, asymmetric Variante CRI ≥ 90; min. 80% des Lichtstromes nach 50 000h Lebensdauer; Schutzart IP20; SKIII; wahlweise nicht dimmbar oder DALI-dimmbar

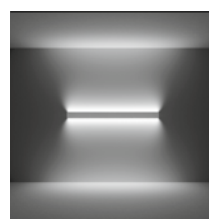
### Features



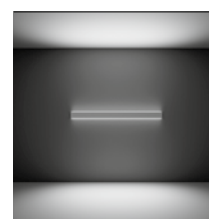
magnetic light insets



opal high performance



wall grazer



asymmetric

### Standard configuration

**COLOUR TEMPERATURE** ⋮  
3000K 5

**CONTROL CHANNEL** ⬆  
non DIM 1  
DIM DALI line control 3

**CONTROL LIGHT INSET**  
non DIM \_\_\_\_\_  
DIM DALI line control \_\_\_\_\_

**MATERIAL COLOUR** ☑  
grey G



**LIGHT INSET** ▲  
opal high performance H

### Extended configuration

**COLOUR TEMPERATURE** ⋮  
4000K 6

**MATERIAL COLOUR** ☑  
white 7  
black 8

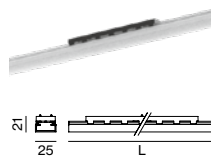
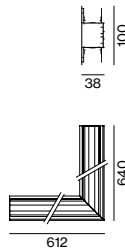


+5% surcharges

**LIGHT INSET** ▲  
wall grazer S  
asymmetric A

### Options on request

**COLOUR TEMPERATURE**  
2700K \_\_\_\_\_



### LINEA EVO wall

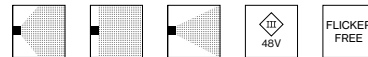
order installation channel, cover, light inset + mounting accessories separately



#### INSTALLATION TRACK + COVER

TYPE	L (mm)	ORDER CODE
channel + cover + 50 W converter	606	0 5 0 - 2 5 2 2 2 <span style="color: blue;">☑</span>
channel + cover + 50 W converter	1206	0 5 0 - 2 5 2 4 2 <span style="color: blue;">☑</span>
channel + cover + 75 W converter	1806	0 5 0 - 2 5 2 6 2 <span style="color: blue;">☑</span>
channel + cover + 75 W converter	2406	0 5 0 - 2 5 2 8 2 <span style="color: blue;">☑</span>
inner corner 90° + cover + 50W conv.	640x612	0 5 0 - 2 5 5 2 1 <span style="color: blue;">☑</span>
outer corner 90° + cover + 50W conv.	612x640	0 5 0 - 2 5 5 3 1 <span style="color: blue;">☑</span>
blind channel + cover	606	0 5 0 - 2 5 2 2 1 1 <span style="color: blue;">☑</span>
blind channel + cover	1206	0 5 0 - 2 5 2 4 1 1 <span style="color: blue;">☑</span>
channel + cover	custom	E 8 5 6 8 0 . . . <span style="color: blue;">☑</span>

#### LIGHT INSET



SYSTEM POWER (OPAL, W. GRAZER / ASYM.)	L (mm)	ORDER CODE
11 W / 11 W	605	0 5 0 - 2 6 1 2 <span style="color: blue;">☑</span> 1 8 <span style="color: blue;">▲</span>
19 W / 19 W	1205	0 5 0 - 2 6 1 4 <span style="color: blue;">☑</span> 1 8 <span style="color: blue;">▲</span>
28 W / 28 W	1805	0 5 0 - 2 6 1 6 <span style="color: blue;">☑</span> 1 8 <span style="color: blue;">▲</span>
37 W / 38 W	2405	0 5 0 - 2 6 1 8 <span style="color: blue;">☑</span> 1 8 <span style="color: blue;">▲</span>

LIGHT INSET	COLOUR TEMP.	SYSTEM POWER	DELIVERED LUMENS	EFFICACY
opal high	3000K	16W/m	1590 lm/m	102 lm/W
performance	4000K		1690 lm/m	109 lm/W
wall grazer	3000K	16W/m	2070 lm/m	134 lm/W
	4000K		2200 lm/m	142 lm/W
asymmetric	3000K	16W/m	1180 lm/m	75 lm/W
	4000K		1300 lm/m	83 lm/W

### Accessories

#### END CAPS

TYPE	ORDER CODE
end caps (pair)	0 5 0 - 2 5 4 0 1 0 <span style="color: blue;">☑</span>



#### CONNECTOR

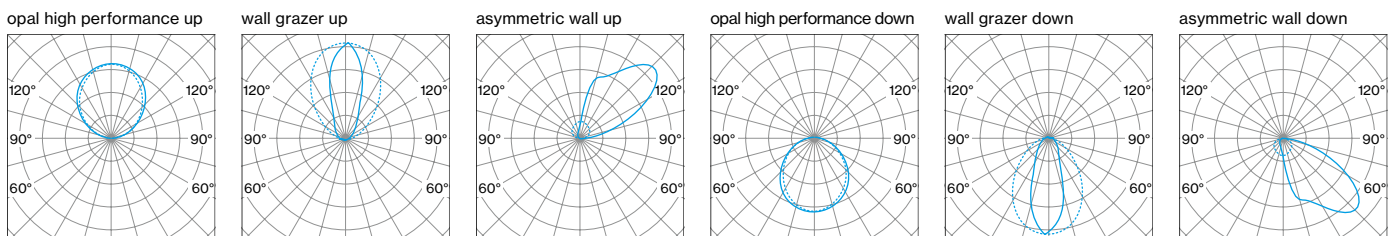
TYPE	ORDER CODE
linear connector (1 piece)	0 5 0 - 2 5 5 1 1 0 0
linear connector (10 pieces)	0 5 0 - 2 5 5 1 1 0 0 . 1 0



#### THROUGH WIRE

TYPE	ORDER CODE
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> (DIM DALI, 10 pieces)	0 0 4 - 9 0 0 0 5

### LIGHT DISTRIBUTION





# COVE

## wall/ceiling system

[xal.com/cove](http://xal.com/cove)

### Quickinfo

#### GENERAL

wall mounted  
suspended ceiling mounted  
IP20

#### LED

Mid-power LED  
up to 2360 lm  
3000 K  
CRI ≥ 90  
Binning < 3-Step MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000h

#### OPTICAL

direct illumination

#### ELECTRICAL

48V power rail system  
non DIM, DIM DALI, ZigBee 3.0

#### PHYSICAL

aluminium  
powder-coated

### Description

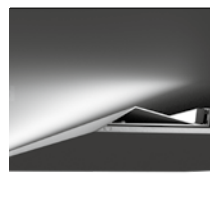
**EN** High quality wall mounted or ceiling mounted profile made of extruded aluminium; various connections to suspended ceiling system; designed for continuous lighting systems, 90° angle connectors for flexible system design; with integrated power track profile for take off of supply voltage and DALI signal; surface powder coated in white or black; can be installed flexibly and without tools by means of magnetic holders; a maximum of 3 internal converters can be used in one system; degree of protection IP20; PCI; either non dimmable, DALI or ZigBee 3.0 control

**DE** Hochwertiges Wandanbau- oder Deckenprofil aus stranggepresstem Aluminium; verschiedene Anbindungen an abgehängtes Deckensystem; ausgelegt für durchgehende Lichtsysteme, 90° Winkelverbinder für flexiblen Systemaufbau; mit integriertem Stromschienenprofil für Abnahme von Versorgungsspannung und DALI Signal; Oberfläche weiß oder schwarz pulverbeschichtet; flexible und werkzeuglose Montage der Einsätze durch Magnethalterung; maximal 3 interne Konverter in einem System verwendbar; Schutzart IP20; SKI; wahlweise nicht dimmbar, DALI- oder ZigBee 3.0-Steuerung

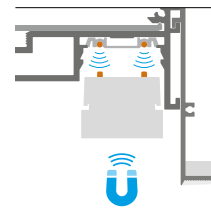
### Features



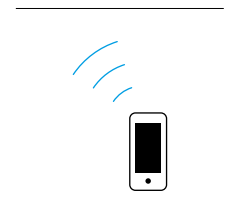
COVE WALL  
mounting detail



COVE CEILING  
mounting detail



magnetic light insets



inset single control  
via X-TALK app



### Standard configuration

CONTROL	
non DIM	1
ZigBee 3.0 single control	1
DIM DALI single control	3

MATERIAL COLOUR	
white	7

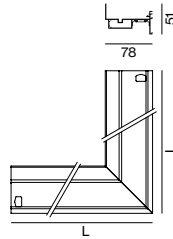
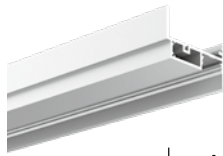


### Extended configuration

MATERIAL COLOUR	
black	8



+5% surcharges



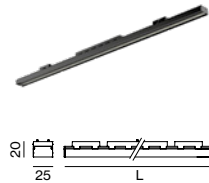
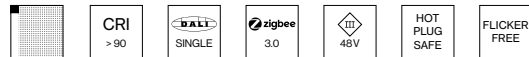
### COVE wall



#### INSTALLATION TRACK

TYPE	L (mm)	ORDER CODE
channel	610	0 5 0 - 5 1 1 2 0
channel	1210	0 5 0 - 5 1 1 4 0
channel	2410	0 5 0 - 5 1 1 8 0
channel non DIM, ZigBee 3.0	custom	E 8 3 3 0 0
channel DIM DALI	custom	E 8 3 3 1 0
inner corner 90°	679x652	0 5 0 - 5 1 1 1 0
outer corner 90°	639x612	0 5 0 - 5 1 1 1 1

#### LIGHT INSET

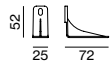


L (mm)	SYS. POWER	COLOUR TEMP.	LUM.FLUX	ORDER CODE
605	11W	3000K	590lm	0 5 0 - 1 2 1 2 5
1205	19W	3000K	1180lm	0 5 0 - 1 2 1 4 5
2405	36W	3000K	2360lm	0 5 0 - 1 2 1 8 5

please see page 91 for electrical accessories

### Mounting accessories

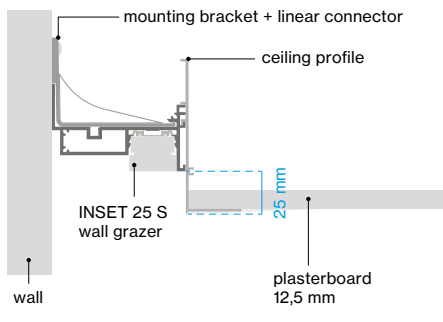
#### MOUNTING BRACKET / LINEAR CONNECTOR



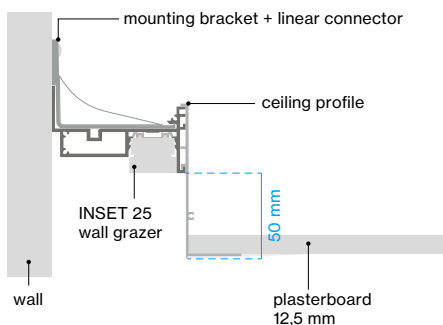
TYPE	ORDER CODE
mounting bracket / linear connector (pair)	050-5110100.02
mounting bracket / linear connector (10 pcs.)	050-5110100.10

use 1 piece every 500 mm

### Mounting example



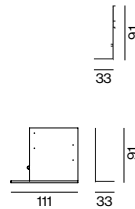
ceiling profile set to 25mm offset



ceiling profile set to 50mm offset

#### CEILING PROFILE TRIMLESS

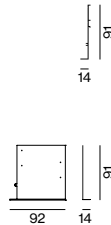
for plasterboard ceilings



L (mm)	OFFSET (mm)	ORDER CODE
610	25/50	0 5 0 - 5 3 1 2 0 0
1210	25/50	0 5 0 - 5 3 1 4 0 0
2410	25/50	0 5 0 - 5 3 1 8 0 0
custom cut	25/50	E 8 3 4 0 0
inner corner 90°	25/50	0 5 0 - 5 3 1 1 0 0
outer corner 90°	25/50	0 5 0 - 5 3 1 1 1 0
end caps (pair)		0 5 0 - 5 3 1 0 0 0

#### CEILING PROFILE WITH TRIM 14 mm

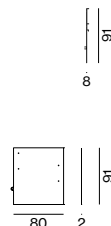
for intermediate ceilings 2-25 mm



L (mm)	OFFSET (mm)	ORDER CODE
610	25/50	0 5 0 - 5 3 3 2 0 0
1210	25/50	0 5 0 - 5 3 3 4 0 0
2410	25/50	0 5 0 - 5 3 3 8 0 0
custom cut	25/50	E 8 3 4 2 0
inner corner 90°	25/50	0 5 0 - 5 3 3 1 0 0
outer corner 90°	25/50	0 5 0 - 5 3 3 1 1 0
end caps (pair)		0 5 0 - 5 3 3 0 0 0

#### CEILING PROFILE STRAIGHT

for wooden and other ceiling types



L (mm)	OFFSET (mm)	ORDER CODE
610	25/50	0 5 0 - 5 3 4 2 0 0
1210	25/50	0 5 0 - 5 3 4 4 0 0
2410	25/50	0 5 0 - 5 3 4 8 0 0
custom cut	25/50	E 8 3 4 3 0
inner corner 90°	25/50	0 5 0 - 5 3 4 1 0 0
outer corner 90°	25/50	0 5 0 - 5 3 4 1 1 0
end caps (pair)		0 5 0 - 5 3 4 0 0 0

**Standard configuration****CONTROL**

non DIM	1
ZigBee 3.0 single control	1
DIM DALI single control	3

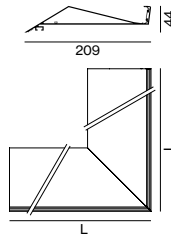
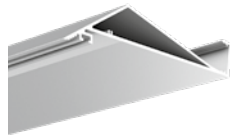
**MATERIAL COLOUR**

white

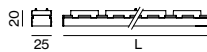
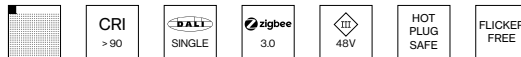
**Options on request****COLOUR TEMPERATURE**

2700K

4000K

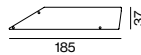
**COVE ceiling****INSTALLATION TRACK**

TYPE	L (mm)	ORDER CODE
channel	610	0 5 0 - 5 1 2 2 0 ⇨ 7
channel	1210	0 5 0 - 5 1 2 4 0 ⇨ 7
channel	2410	0 5 0 - 5 1 2 8 0 ⇨ 7
channel non DIM, ZigBee 3.0	custom	E 8 3 3 2 0 ···· 7
channel DIM DALI	custom	E 8 3 3 3 0 ···· 7
inner corner 90°	637x637	0 5 0 - 5 1 2 1 0 ⇨ 7
outer corner 90°	804x804	0 5 0 - 5 1 2 1 1 ⇨ 7

**LIGHT INSET**

L (mm)	SYS. POWER	COLOUR TEMP.	LUM.FLUX	ORDER CODE
605	11W	3000K	590lm	0 5 0 - 1 2 1 2 5 ⇨ 8 S
1205	19W	3000K	1180lm	0 5 0 - 1 2 1 4 5 ⇨ 8 S
2405	36W	3000K	2360lm	0 5 0 - 1 2 1 8 5 ⇨ 8 S

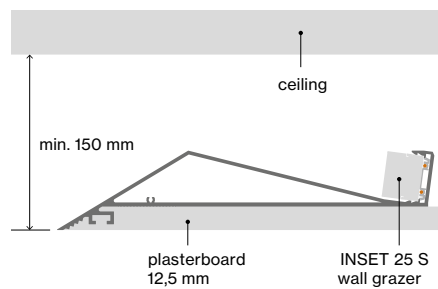
please see page 91 for electrical accessories

**Mounting accessories****END CAPS**

TYPE	ORDER CODE
end caps (pair)	0 5 0 - 5 1 2 0 0 0 7

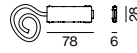
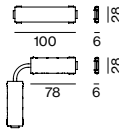
**LINEAR CONNECTOR**

TYPE	ORDER CODE
linear connector	0 5 0 - 5 1 2 0 1 0 0

**Mounting example**

### Standard configuration

CONTROL	
non DIM	1
ZigBee 3.0 single control	1
DIM DALI single control	3



### Electrical accessories

#### ELECTRICAL CONNECTOR

TYPE	ORDER CODE
linear (non DIM, ZigBee 3.0, DIM DALI)	0 5 0 - 2 0 3 1 1 3 0
flexible	0 5 0 - 2 0 3 2 1 0

#### POWER FEEDER UNIT

TYPE	ORDER CODE
non DIM, ZigBee 3.0 single control	0 5 0 - 2 0 2 0 1 1 0
DIM DALI single control	0 5 0 - 2 0 2 0 1 3 0

2x2,5 mm<sup>2</sup> / 2x2,5 + 2x0,5 mm<sup>2</sup> / cable length 500 mm

#### CONVERTER EXTERN 48 V, supply 220–240 V AC, 50–60 Hz

TYPE	L-W-H (mm)	ORDER CODE
60 W □ PCII	163-43-32	0 0 2 - 6 2 1 3 3
150 W ⊕ PCI	222-68-39	0 0 2 - 6 0 1 5 6
320 W ⊕ PCI	252-90-44	0 0 2 - 6 0 3 2 0



#### DALI SELV DEVICE

TYPE	ORDER CODE
control unit	0 5 0 - 2 0 6 1 1 3 0

necessary to create DALI selv signal

# TASK EVO

## free standing

[xal.com/task](http://xal.com/task)



### Quickinfo

#### GENERAL

free standing  
IP20

#### LED

Mid-power LED  
up to 12090lm (↓ 15% / ± 85%)  
up to 131lm/W  
3000 K, 4000 K, TW (2200–6500 K)  
CRI ≥ 80  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000h

#### OPTICAL

direct/indirect illumination  
microprismatic (UGR < 19)

#### ELECTRICAL

touch DIM  
daylight & movement sensor

#### PHYSICAL

aluminium  
powder-coated

### Description

**EN** Free standing luminaire with rectangular luminaire head made of aluminium and rounded edges; ultra low-profile design (only 15 mm); steel rectangular downpipe; pedestal with recess for table base; surface powder coated in white, grey or black; direct/indirect light distribution by LGP body (Light Guiding Prism); side coupled light, directed up and down by laser engraving; optional: indirect component with special PCBs for increased luminous flux; optional: indirect component with special, inclined PCBs for asymmetric radiation characteristic; microprismatic PMMA cover; completely homogeneous illumination; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 80% of the luminous flux after 50 000 hours; degree of protection IP20; PCI; switch installed in the downpipe; easy control through touch DIM in the downpipe on or with integrated infrared presence and brightness sensor; presence sensor detection range ø4,5m on the floor; incl. connection cable (3m) with safety plug

**DE** Stehleuchte mit rechteckigem Leuchtenkopf aus Aluminium und abgerundeten Kanten; extrem flache Bauform (nur 15 mm); Standrohr rechteckig; Standfuß mit Ausnehmung für Tischfuß; Oberfläche weiß, grau oder schwarz pulverbeschichtet; direkt/indirekte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach oben und unten gelenkt; optional: Indirektlichtanteil mit eigenen Platinen für erhöhten Lichtstrom; optional: Indirektlichtanteil mit eigenen, schräg gerichteten Platinen für asymmetrische Abstrahlcharakteristik; mikroprismatische PMMA-Abdeckung; absolut homogene Ausleuchtung; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80% des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP20; SKI; Schalter im Standrohr verbaut; einfache Regelung durch Touch-DIM im Standrohr oder mit integriertem Infrarot Anwesenheits- und Helligkeitssensor; Anwesenheitssensor-Erfassungsbereich ø4,5m am Fußboden; inkl. Anschlussleitung (3m) mit Schutzkontaktstecker

### Features



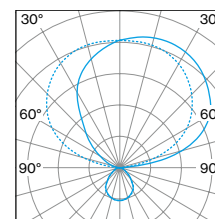
flat design (15 mm)



microprismatic  
(UGR < 19)



touch DIM on pole



direct/indirect  
asymmetric power

### Standard configuration

**COLOUR TEMPERATURE** ⋮  
4000 K 6

**CONTROL** ↕  
touch DIM on pole 5

**MATERIAL COLOUR** ■  
white 7



**LIGHT OPTIC COVER**  
microprismatic (UGR < 19)

### Extended configuration

**COLOUR TEMPERATURE** ⋮  
3000 K 5

**CONTROL** ↕  
daylight & movement sensor 7

**MATERIAL COLOUR** ■  
grey 6  
black 8



+5% surcharges

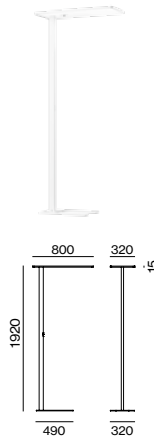
### Options on request

**COLOUR TEMPERATURE**  
TW (2200–6500 K) indirect

**COLOUR RENDERING INDEX**  
CRI ≥ 90

**CONTROL**  
cluster network DIM  
dynamic daylight control (BPI)  
ZigBee 3.0

**MOUNTING**  
table system



### TASK EVO free standing



#### DIRECT/INDIRECT SOFT

TYPE	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
75 W	3000 K	↓4270 / ↑3480 lm	0 5 9 - 2 9 4 3 <span style="color: blue;">⋮</span> <span style="color: blue;">↕</span> P
	4000 K	↓4540 / ↑3700 lm	

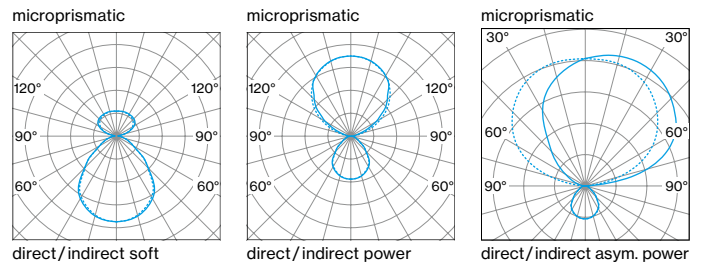
#### DIRECT/INDIRECT POWER

TYPE	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
83 W	3000 K	↓2530 / ↑1720 lm	0 5 9 - 2 9 4 2 <span style="color: blue;">⋮</span> <span style="color: blue;">↕</span> P
	4000 K	↓2690 / ↑18210 lm	

#### DIRECT/INDIRECT ASYMMETRIC POWER

TYPE	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
98 W	3000 K	↓2000 / ↑9300 lm	0 5 9 - 2 9 4 1 <span style="color: blue;">⋮</span> <span style="color: blue;">↕</span> P
	4000 K	↓2130 / ↑9960 lm	

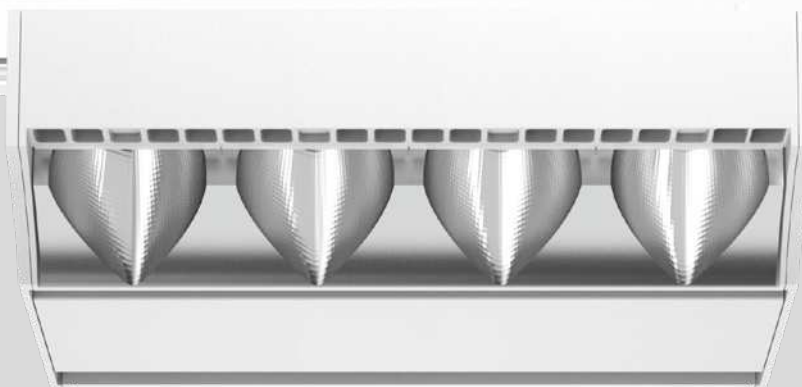
### LIGHT DISTRIBUTION



# SQUADRO

## wallwasher track

[xal.com/squadro](http://xal.com/squadro)



### Quickinfo

#### GENERAL

track light  
IP20, IP40  
quick installation

#### LED

COB LED module  
up to 13200 lm  
up to 134 lm/W  
3000 K, 4000 K  
CRI ≥ 80  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50000 h

#### OPTICAL

direct light 100%  
micro-faceted reflector  
shelf/wall floor washer

#### ELECTRICAL

non DIM, DIM DALI

#### PHYSICAL

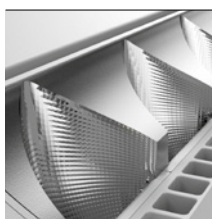
aluminium  
powder-coated

### Description

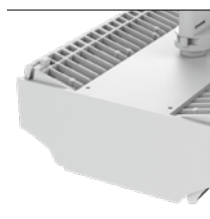
**EN** Track light in die cast aluminium in two different types (4 lamps or 2x4 lamps) and with 2 types of light modules (for shelf floor washer and wall floor washer); surface powder coated in white or black; aisle spotlight with special, multi-free-form, facet effect surface reflectors for high precision light control; precise shelf and aisle zone lighting, optimum longitudinal glare control for high viewing comfort in the aisle zone, adjustable light modules; (tiltable from +15° up to -15°, double-sided output variant: maximum swivel range adjustable for one side); heat sink integrated into luminaire geometry for optimum thermal management and passive cooling of LEDs; COB (Chip on Board) technology for maximum efficiency; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 80% of the luminous flux after 50000 hours; degree of protection IP20; IP40 protection glass available as an accessory; PC I; including attachment for linear alignment of the spotlights; optional DALI dimmable

**DE** Stromschienenstrahler aus Aluminiumdruckguss in 2 verschiedenen Varianten (4-flammig bzw. 2x4-flammig) und mit 2 verschiedenen Lichtmodulen (für shelf floor washer und wall floor washer); Oberfläche weiß oder schwarz pulverbeschichtet; Gangzonenstrahler mit speziellen Multi-Freiformflächenreflektoren mit Facettenoptik zur äußerst präzisen Lichtlenkung; punktgenaue Regal- und Gangzonenbeleuchtung, optimale Längsentblendung für hohen Sehkomfort in der Gangzone, einstellbare Lichtmodule; (+15° bis -15° schwenkbar, Variante double-sided output: maximaler Schwenkbereich für eine Seite einstellbar); Kühlkörper in Leuchtengeometrie für optimales Thermomanagement und passive Kühlung der LEDs integriert; COB (Chip on Board) Technologie für höchste Effizienz; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80% des Lichtstromes nach 50000 h Lebensdauer; Schutzart IP20; IP40-Schutzglas als Zubehör erhältlich; SK I; inklusive Aufsatz zur linearen Ausrichtung der Strahler; optional DALI-dimmbar

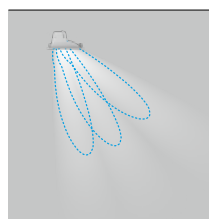
### Features



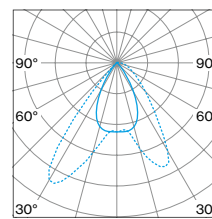
micro-faceted reflector



+15° up to -15° tiltable



adjustable light module



1x shelf / 1x wall floor washer

### Standard configuration

**COLOUR TEMPERATURE** ◆◆  
3000K 5

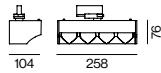
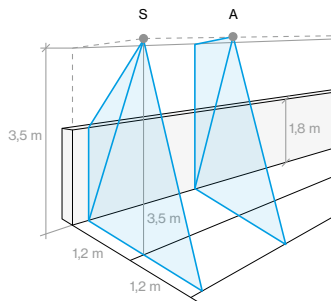
**CONTROL** ◆  
non DIM 1

**MATERIAL COLOUR** ■  
white 7

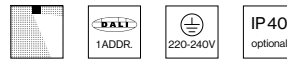
7

**REFLECTOR** ▲  
shelf floor washer S  
wall floor washer A  
1x shelf/1x wall floor washer\* B

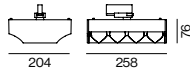
\*only for 2x4 lamps



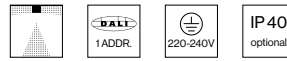
### SQUADRO 1x4 lamps, wallwasher



<b>SYSTEM POWER</b> 51W	<b>COLOUR TEMP.</b> 3000K 4000K	<b>LUMINOUS FLUX</b> 6280lm 6610lm	<b>ORDER CODE</b> 0 4 9 - 2 2 3 1 <span style="color: blue;">◆◆▲</span>
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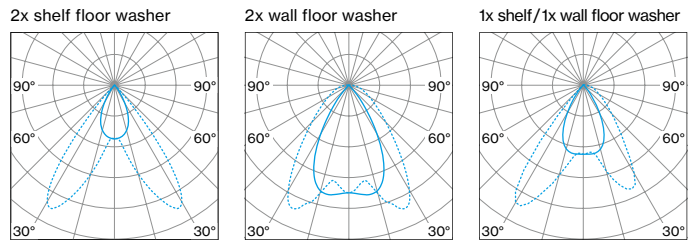


### SQUADRO 2x4 lamps, wallwasher



<b>SYSTEM POWER</b> 2x43W 2x51W	<b>COLOUR TEMP.</b> 3000K 4000K 3000K 4000K	<b>LUMINOUS FLUX</b> 2x5450lm 2x5750lm 2x6280lm 2x6610lm	<b>ORDER CODE</b> 0 4 9 - 2 2 4 0 <span style="color: blue;">◆◆▲</span> 0 4 9 - 2 2 4 1 <span style="color: blue;">◆◆▲</span>
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### LIGHT DISTRIBUTION



### Extended configuration

**COLOUR TEMPERATURE** ◆◆  
4000K 6

**CONTROL** ◆  
DIM DALI 3

**MATERIAL COLOUR** ■  
black 8

8

+5% surcharges

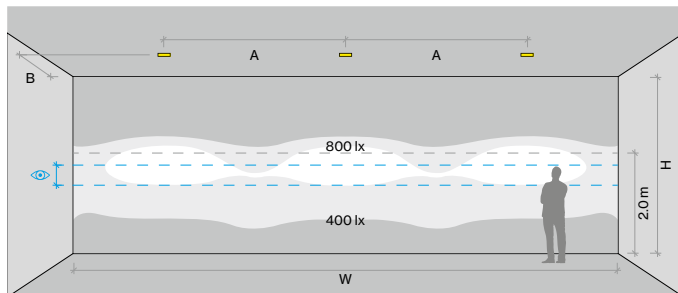
### Accessories

#### IP 40 PROTECTION GLASS

<b>TYPE</b> single-sided output double-sided output	<b>ORDER CODE</b> 0 4 9 - 2 9 3 0 0 1 0 0 4 9 - 2 9 4 0 0 1 0
-----------------------------------------------------------	---------------------------------------------------------------------

### Technical data

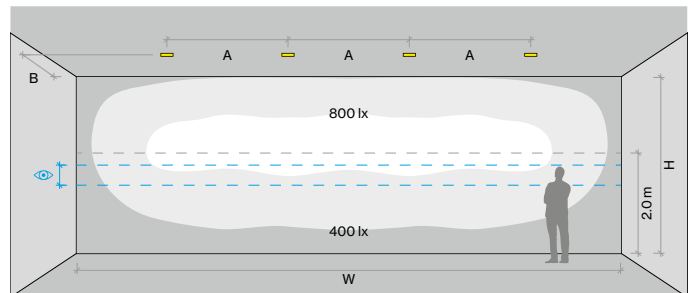
#### SQUADRO shelf floor washer, +5° tilt, 53W, 3000K



**ROOM VALUES**  
Wall dimensions H = 3.5m | W = 10.8m  
Distance to wall B = 1.3m  
Distance between spotlights A = 3.6m  
Aisle width 2.6m  
Reflection factor 0.7 | 0.7 | 0.2  
Maintenance factor 0.9

**CALCULATION SURFACE**  
Surface dimensions 10.8 x 3.5m  
Surface height 0 – 3.5m  
Eye level 👁 1.35m – 1.75m

#### SQUADRO wall floor washer, +5° tilt, 53W, 3000K



**ROOM VALUES**  
Wall dimensions H = 3.5m | W = 10.8m  
Distance to wall B = 2.4m  
Distance between spotlights A = 2.4m  
Aisle width 2.6m  
Reflection factor 0.7 | 0.7 | 0.2  
Maintenance factor 0.9

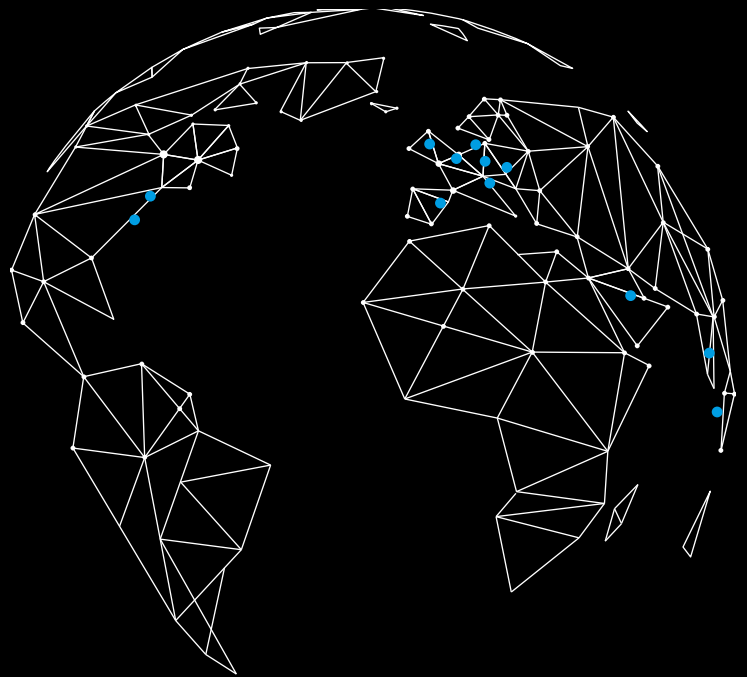
**CALCULATION SURFACE**  
Surface dimensions 10.8 x 3.5m  
Surface height 0 – 3.5m  
Eye level 👁 1.35m – 1.75m

## MORE SERVICES

# Offices & Showrooms

**EN** Our team is at your side to help with your project anywhere in the world. We are there for you from the planning stage through to project completion. Visit [xal.com/contact](http://xal.com/contact) to find your XAL lighting expert – it's quick and easy.

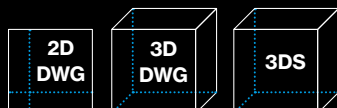
**DE** Wo auch immer Sie auf der Welt ein Projekt planen: Unser Team steht Ihnen persönlich zur Seite. Wir unterstützen Sie von der Planung bis hin zur Umsetzung Ihrer Konzepte. Finden Sie Ihren XAL-Lichtexperten einfach und schnell auf [xal.com/kontakt](http://xal.com/kontakt).



# Planning tools

**EN** We simplify each step of your planning process. Our online services save you valuable time, helping you focus on more important tasks. Simply download the 2D, 3D, and photometric data for our products from our website and use your own CAD, Relux, or DIALux lighting planning software. Our smart Autodesk Revit BIM data is highly precise. You can also find clear mounting instruction videos for our products at [xal.com/downloads](http://xal.com/downloads).

**DE** Wir vereinfachen jeden Schritt in Ihrem Planungsprozess. Mit unserem Online-Service gewinnen Sie wertvolle Zeit für Ihre wesentlichen Aufgaben. Laden Sie die 2D- und 3D- sowie die photometrischen Daten unserer Produkte einfach von unserer Website herunter und arbeiten Sie in Ihren CAD- oder in den Lichtplanungsprogrammen Relux und DIALux damit. Intelligent und mit hoher Präzision unterstützen Sie unsere BIM-Daten für Autodesk Revit. Auf [xal.com/downloads](http://xal.com/downloads) finden Sie übrigens auch anschauliche Montagevideos zu unseren Produkten.



# ISO certification

**EN** Since 2016, our production sites in Austria and Slovenia are certified in accordance with both the ISO 9001 quality standard and the ISO 14001 environmental standard.

**DE** Seit 2016 sind unsere Produktionsstandorte in Österreich und Slowenien nach dem Qualitätsstandard ISO 9001 und dem Umweltstandard ISO 14001 zertifiziert.



# Full-service provider

**EN** Bespoke projects always raise diverse challenges and require complex planning decisions. The interdisciplinary XAL SMART SERVICES team of experts supports you during each building phase. Planning, installation, commissioning, and the management of modern lighting systems present a multifaceted challenge – one best solved by a team. We'd be delighted to be part of your success.

**DE** Individuelle Projekte bringen vielfältige Herausforderungen und komplexe Planungsentscheidungen mit sich. Das interdisziplinäre Spezialisten-Team von XAL SMART SERVICES unterstützt Sie dabei in jeder Leistungsphase. Konzeption, Montage, Inbetriebnahme und das Management moderner Beleuchtungsanlagen stellen eine vielschichtige Aufgabe dar, die man im Team einfach am besten löst. Wir freuen uns, wenn wir an Ihrem Erfolg teilhaben dürfen.

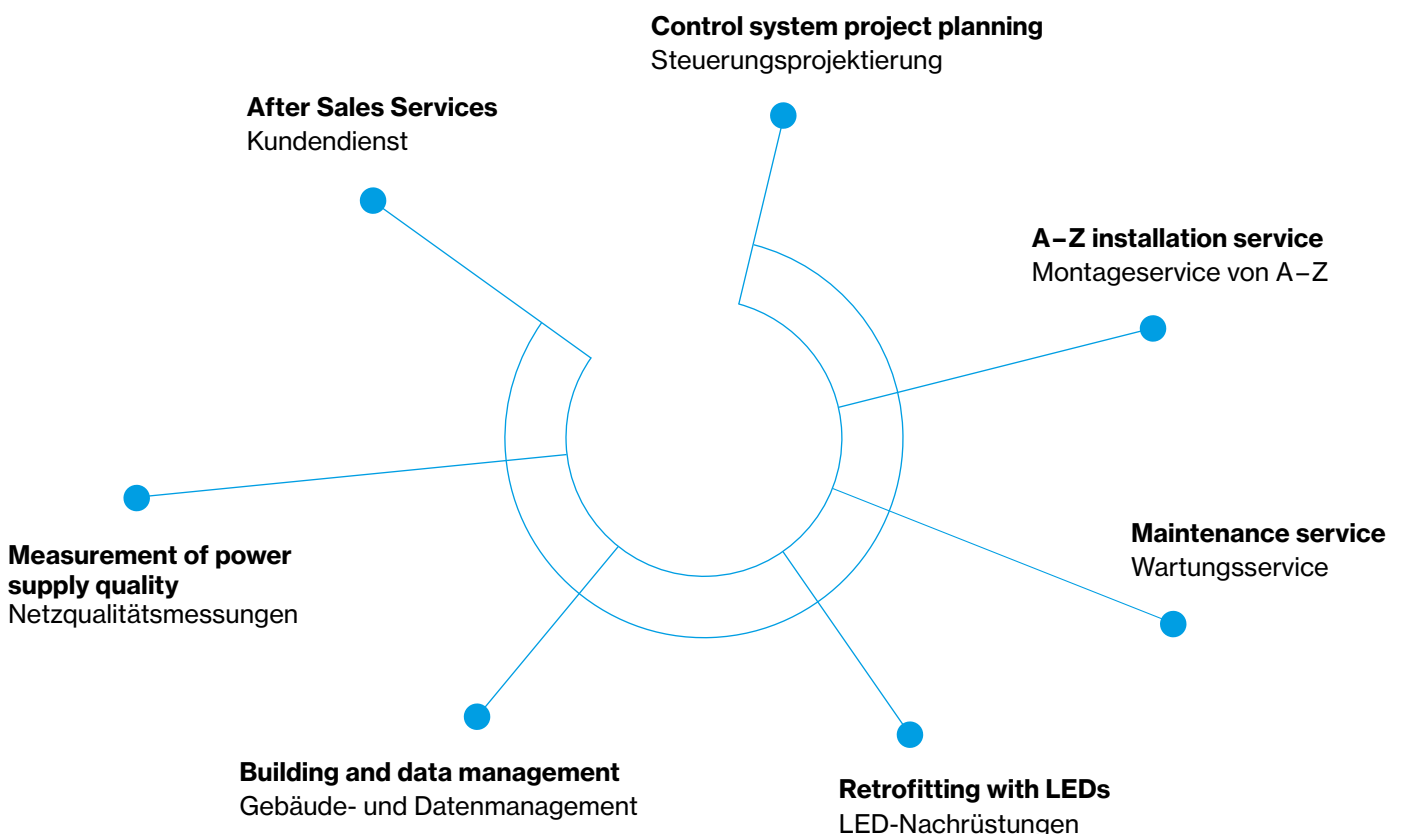
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Mo – Fr 07:00 – 20:00 CET

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# TECHNICAL INFORMATION

## Notes on technical information

### LUMINOUS FLUX

**EN** The information in this catalogue refers to the typical luminous flux at the specified temperature of the LEDs and under the specified electrical conditions.

**DE** Die Angaben zum Lichtstrom in diesem Katalog betreffen den typischen Leuchtenlichtstrom bei der angegebenen Temperatur der LEDs und unter den angegebenen elektrischen Bedingungen.

### POWER CONSUMPTION

**EN** Information in this catalogue regarding the power consumption of the LEDs includes the power consumption of the driver electronics and the controller.

**DE** Die Angaben zu Leistungsaufnahmen der LEDs beinhalten die Leistungsaufnahme der Treiberelektronik und des Betriebsgeräts.

### DIMMING

**EN** Minimal differences in light density can occur at the light-emitting surface in the 0–10% dimming range.

**DE** Es kann zu geringfügigen Leuchtdichteunterschieden an der Lichtaustrittsfläche im Dimmbereich zwischen 0–10% kommen.

### BINNING

**EN** At the time of delivery, the colour location of an LED is within a three-step MacAdam ellipse around the specified colour location.

**DE** Zum Zeitpunkt der Auslieferung befindet sich der Farbort einer LED innerhalb einer 3-Step-MacAdam-Ellipse um den angegebenen Farbort.

### LIFESPAN

**EN** Information about lifespan is based on an ambient temperature of 25°C.

**DE** Angaben zur Lebensdauer beziehen sich auf eine Umgebungstemperatur von 25°C.

### ACOUSTIC

**EN** Certified acoustic measurements and flammability ratings are available for download on our website.

**DE** Zertifizierte Akustikmessungen und Brandschutzklassen stehen auf unserer Website zum Download bereit.

### MATERIAL COLOUR

**7** white  
RAL 9010 | pure white  
RAL 9016 | traffic white

**K** beige  
RAL 7044 | silk grey

**G** grey  
RAL 9006 | white aluminium

**D** dark grey  
RAL 7022 | umbra grey

**N** dark brown  
RAL 8014 | sepia brown

**8** black  
RAL 9005 | jet black

Additional RAL colours on request.

### TECHNICAL DATA

**EN** For the current value of the luminous flux and electrical power, please use the product search on our website [xal.com/en/products](http://xal.com/en/products)

**DE** Den aktuellen Wert des Lichtstroms und der elektrischen Leistung entnehmen Sie bitte der Produktsuche auf unserer Website [xal.com/produkte](http://xal.com/produkte)

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EN

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