

# INVISIBLE 80

## asymmetric / square trimless

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



### Quickinfo

#### GENERAL

recessed  
IP 20, IP 44  
plasterboard ceilings only

#### LED

COB LED module  
up to 86lm/W  
2700K, 3000K, 4000K, CWD  
CRI ≥ 90  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000h

#### OPTICAL

asymmetric illumination  
beam angle 6°, 27°, 37°  
optical accessories

#### ELECTRICAL

non DIM, DIM DALI

#### PHYSICAL

gypsum housing  
aluminium inset  
powder-coated

### Description

**DE** Einbaugehäuse aus Gips (überstreichbar); für randlosen Einbau in Gipskartondecken; kantige Innenkontur mit asymmetrischer Abstrahlcharakteristik; geeignet für Deckenstärken von 10-25 mm; ruhiges Deckenbild durch zurückversetzte Leuchtenebene; ein Strahler (SASSO) werkzeuglos einsetzbar durch Kugelschnappsystem; 360° dreh- und 35° schwenkbar; Oberfläche weiß, silbergrau oder schwarz pulverbeschichtet; optische Aufsätze sind als Zubehör erhältlich; passive Kühlung der LEDs durch optimierte Kühlkörpergeometrie; COB (Chip on Board) Technologie für höchste Effizienz; keine Bildung von Mehrfachschatten; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 2700K, 3000K und 4000K; optional mit CWD (Colour Warm Dimming); CRI ≥ 90; min. 80% des Lichtstromes nach 50 000h Lebensdauer hochwertiger Reflektor mit sphärischer Facettenoptik; präzise Abstrahlcharakteristik mit drei verschiedenen Ausstrahlwinkeln; werkzeuglos einsetz- bzw. austauschbar; Schutzart IP 20 oder IP 44; SK II; optional DALI-dimmbar

**EN** Recessed housing made of plaster (paintable); for trimless installation in plasterboard ceilings; angular inner contour with asymmetric radiation characteristic; suitable for ceiling thickness of 10-25 mm; uncluttered ceiling look through recessed lighting level; one spotlight (SASSO), installation with ball catch system, without tools; 360° rotatable and 35° tiltable; surface white, silver-grey or black powder coated; optical attachments available as accessories; 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 colours 2700K, 3000K and 4000K; optional with CWD (Colour Warm Dimming); 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; protection class IP 20 or IP 44; PC II; optional DALI dimmable

### Features



exchangeable light engine



patented ball catch system



skimmed into plasterboard ceiling (trimless)

### Standard configuration

**COLOUR TEMPERATURE** ◆◆  
3000K 5

**CONTROL** ◆  
non DIM 1

**MATERIAL COLOUR** ■  
white 7



**REFLECTOR** ▲  
flood 37° F

### Extended configuration

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

**CONTROL** ◆  
DIM DALI 3

**MATERIAL COLOUR** ■  
silver-grey G  
black 8



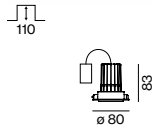
+5% surcharges

**REFLECTOR** ▲  
medium 27° M

**LENS** ▲  
super spot 6° (only 8W non DIM) V

### Options on request

**CONTROL**  
phase-cut DIM



### INSET SASSO 80 flush



SYS. POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
8W	2700K	630lm	0 4 8 - 2 3 1 0 <span style="color: blue;">◆</span> <span style="color: blue;">■</span> <span style="color: blue;">▲</span>
	3000K	660lm	
	4000K	700lm	
10W CWD	1800-3000K (CRI ≥ 95)		0 4 8 - 2 3 1 0 0 3 <span style="color: blue;">■</span> <span style="color: blue;">M</span>
	2700K	950lm	
	3000K	980lm	
12W	4000K	1050lm	8 4 8 - 2 3 1 2 5 <span style="color: blue;">◆</span> <span style="color: blue;">F</span>
	3000K	980lm	

### LIGHT DISTRIBUTION for 12W, 3000K

super spot 6° (8W)			medium 27°			flood 37°		
h (m)	E (lx)	ø (m)	h (m)	E (lx)	ø (m)	h (m)	E (lx)	ø (m)
1	21750	ø0,11	1	2534	ø0,48	1	1826	ø0,68
2	5437	ø0,21	2	633	ø0,96	2	456	ø1,36
3	2416	ø0,32	3	281	ø1,44	3	202	ø2,03
4	1359	ø0,43	4	158	ø1,92	4	114	ø2,71
5	870	ø0,53	5	101	ø2,40	5	73	ø3,39

### Optical accessories

TYPE	ORDER CODE
honeycomb louver	0 4 8 - 2 0 9 1 3 1 <span style="color: blue;">■</span>
linear prismatic lens	0 4 8 - 2 0 9 2 3 1 <span style="color: blue;">■</span>
snoot	0 4 8 - 2 0 9 1 1 1 <span style="color: blue;">■</span>
snoot with honeycomb louver	0 4 8 - 2 0 9 1 2 1 <span style="color: blue;">■</span>

use only 1 optical accessory

### Mounting accessories

#### INVISIBLE 80 asymmetric

**TRIMLESS MOUNTING HOUSING 80**  
for installation in plasterboard ceilings 10-25mm

TYPE	ORDER CODE
1 lamp	0 6 0 - 0 2 4 0 7

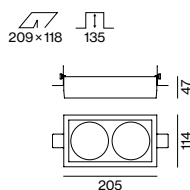
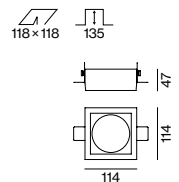
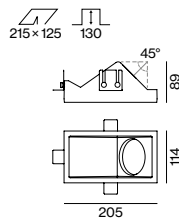
#### INVISIBLE 80 square

**TRIMLESS MOUNTING HOUSING 80 1 LAMP**  
for installation in plasterboard ceilings 10-25mm

TYPE	ORDER CODE
1 lamp	0 6 0 - 0 2 0 1 7

**TRIMLESS MOUNTING HOUSING 80 2 LAMPS**  
for installation in plasterboard ceilings 10-25mm

TYPE	ORDER CODE
2 lamps	0 6 0 - 0 2 0 2 7



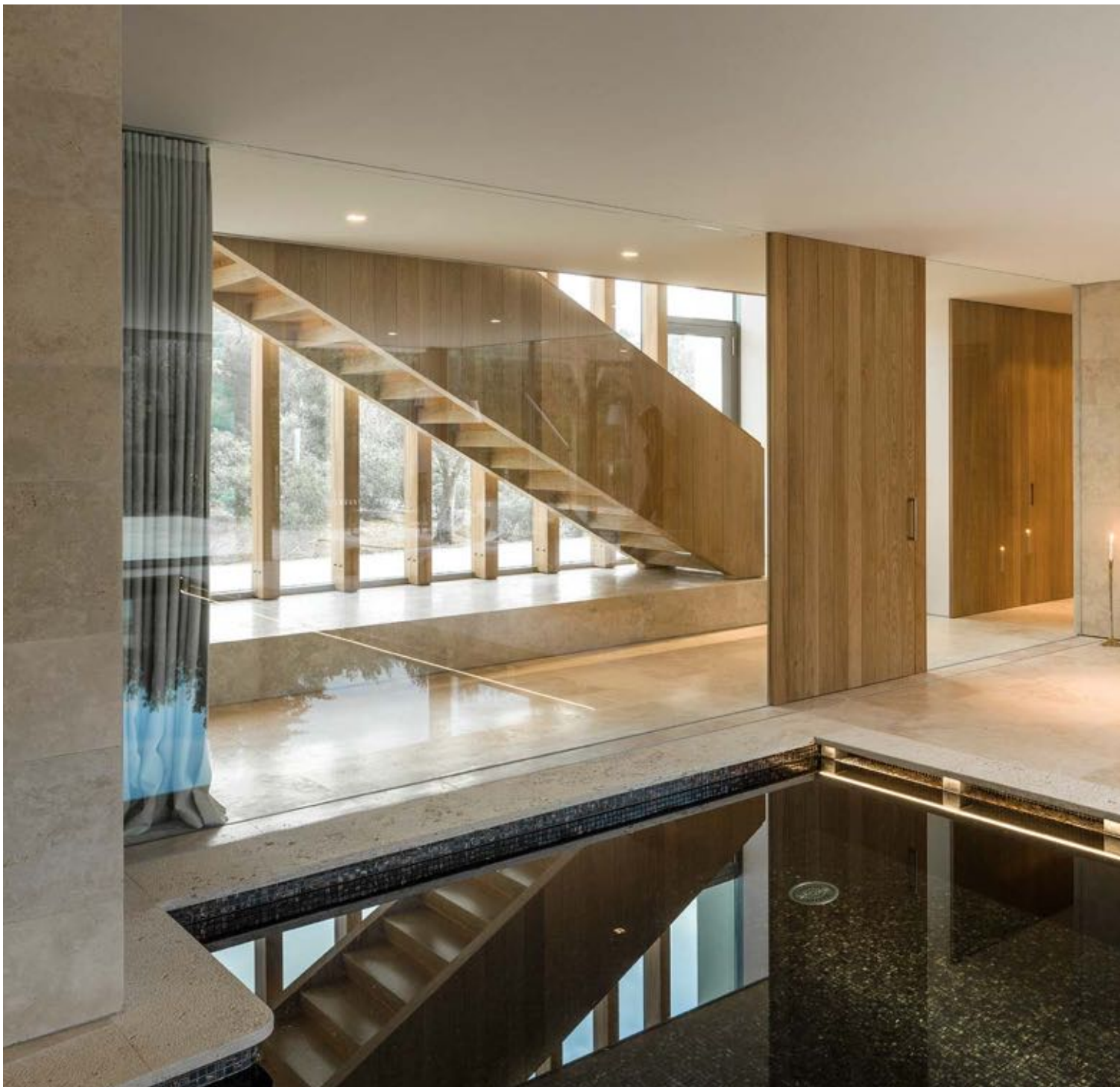
## Inspiration

Private Residence  
Palma de Mallorca, Spain

**PRODUCT**  
INVISIBLE 80 asymmetric trimless  
INVISIBLE 80 square trimless

**ARCHITECT**  
Rambla 9  
Palma de Mallorca, Spain

**LIGHTING DESIGN**  
D-Mix  
Palma de Mallorca, Spain





# INVISIBLE 100

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### Quickinfo

#### GENERAL

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IP 20, IP 44  
plasterboard ceilings only

#### LED

COB LED module  
up to 100 lm/W  
2700 K, 3000 K, 4000 K, CWD  
CRI ≥ 90  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

asymmetric illumination  
beam angle 18°, 24°, 36°  
optical accessories

#### ELECTRICAL

non DIM, DIM DALI

#### PHYSICAL

gypsum housing  
aluminium inset  
powder-coated

### Description

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### Features



exchangeable light engine



patented ball catch system



skimmed into plasterboard ceiling (trimless)

### Standard configuration

**COLOUR TEMPERATURE** ◆◆  
3000K 5

**CONTROL** ◆  
non DIM 1

**MATERIAL COLOUR** ■  
white 7



**REFLECTOR** ▲  
flood 36° F

### Extended configuration

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

**CONTROL** ◆  
DIM DALI 3

**MATERIAL COLOUR** ■  
silver-grey G  
black 8



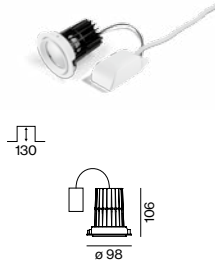
+5% surcharges

**REFLECTOR** ▲  
spot 18° S  
medium 24° M

### Options on request

**CONTROL**  
phase-cut DIM

**LENS**  
beam angle 14°, 24°



### INSET SASSO 100 flush



SYS. POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
15 W	2700K	1360lm	0 4 8 - 2 4 1 0 <span style="color: blue;">◆◆</span> <span style="color: blue;">■</span> <span style="color: blue;">▲</span>
	3000K	1410lm	
	4000K	1510lm	
<b>15 W CWD</b>	<b>1800-3000K (CRI ≥ 95)</b>	<b>1030lm</b>	<b>0 4 8 - 2 4 1 1 0 3 <span style="color: blue;">■</span> <span style="color: blue;">▲</span> F</b>
27 W	2700K	2140lm	0 4 8 - 2 4 1 2 <span style="color: blue;">◆◆</span> <span style="color: blue;">■</span> <span style="color: blue;">▲</span>
	3000K	2220lm	
	4000K	2370lm	
<b>27 W IP 44</b>	<b>3000K</b>	<b>2160lm</b>	<b>8 4 8 - 2 4 1 2 5 <span style="color: blue;">◆</span> 7 F</b>

### LIGHT DISTRIBUTION for 27W, 3000K

spot 18°			medium 24°			flood 36°		
h (m)	E (lx)	ø (m)	h (m)	E (lx)	ø (m)	h (m)	E (lx)	ø (m)
1	14162	ø0,31	1	9171	ø0,42	1	5376	ø0,65
2	3540	ø0,62	2	2292	ø0,84	2	1344	ø1,31
3	1573	ø0,93	3	1019	ø1,27	3	597	ø1,96
4	885	ø1,24	4	573	ø1,69	4	336	ø2,61
5	566	ø1,55	5	366	ø2,11	5	215	ø3,27

### Optical accessories

TYPE	ORDER CODE
honeycomb louver	0 4 8 - 2 1 9 1 3 1 <span style="color: blue;">■</span>
linear prismatic lens	0 4 8 - 2 1 9 2 3 1 <span style="color: blue;">■</span>
snoot	0 4 8 - 2 1 9 1 1 1 <span style="color: blue;">■</span>
snoot with honeycomb louver	0 4 8 - 2 1 9 1 2 1 <span style="color: blue;">■</span>

use only 1 optical accessory

### Mounting accessories

#### INVISIBLE 100 asymmetric

**TRIMLESS MOUNTING HOUSING 100**  
for installation in plasterboard ceilings 10-25mm

TYPE	ORDER CODE
1 lamp	0 6 0 - 0 2 4 1 7

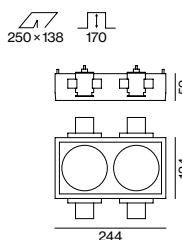
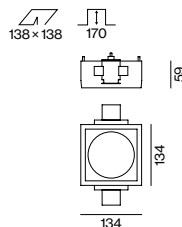
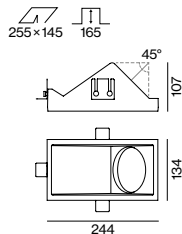
#### INVISIBLE 100 square

**TRIMLESS MOUNTING HOUSING 100 1 LAMP**  
for installation in plasterboard ceilings 10-25mm

TYPE	ORDER CODE
1 lamp	0 6 0 - 0 2 3 1 7

**TRIMLESS MOUNTING HOUSING 100 2 LAMPS**  
for installation in plasterboard ceilings 10-25mm

TYPE	ORDER CODE
2 lamps	0 6 0 - 0 2 3 2 7



## Inspiration

Doctor's Practice, Dr. Chaker  
Geldern, Germany

**PRODUCT**  
INVISIBLE 100 square trimless

**ARCHITECT**  
Göke Praxiskonzepte  
Düsseldorf, Germany

**LIGHTING DESIGN**  
Göke Praxiskonzepte  
Düsseldorf, Germany



