

INVISIBLE 80

round trimless

xal.com/invisible



Quickinfo

GENERAL

recessed
IP20, IP44
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 / 50000h

OPTICAL

direct 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; runde Innenkontur; geeignet für Deckenstärken von 10-25mm; ruhiges Deckenbild durch zurückversetzte Leuchtenebene; ein oder zwei 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 50000h Lebensdauer; hochwertiger Reflektor mit sphärischer Facettenoptik; präzise Abstrahlcharakteristik mit drei verschiedenen Ausstrahlwinkeln; werkzeuglos einsetz- bzw. austauschbar; Schutzart IP20 oder IP44; SK II; optional DALI-dimmbar

EN Recessed housing made of plaster (paintable); for trimless installation in plasterboard ceilings; round inner contour; suitable for ceiling thickness of 10-25mm; uncluttered ceiling look through recessed lighting level; one or two spotlights (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 50000hours; high quality reflector with spherical facet finish; precise radiation characteristic with two different beam angles; installed and exchanged without tools; protection class IP20 or IP44; 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 ◆ ▲	
	3000K	660lm		
	4000K	700lm		
10W CWD	1800-3000K (CRI ≥ 95)		0 4 8 - 2 3 1 0 0 3 ■ M	
	12W	2700K		0 4 8 - 2 3 1 2 ◆ ▲
		3000K		
	4000K	1050lm		
12W IP44	3000K	980lm	8 4 8 - 2 3 1 2 5 ◆ F	

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 ■
linear prismatic lens	0 4 8 - 2 0 9 2 3 1 ■
snoot	0 4 8 - 2 0 9 1 1 1 ■
snoot with honeycomb louver	0 4 8 - 2 0 9 1 2 1 ■

use only 1 optical accessory

Mounting accessories

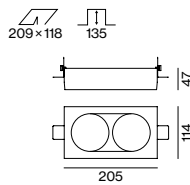
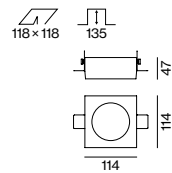
INVISIBLE 80 round

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

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



Inspiration

Spreedreieck
Berlin, Germany

ARCHITECT
Ankett + Heese
Berlin, Germany

PRODUCT
INVISIBLE 80 round trimless

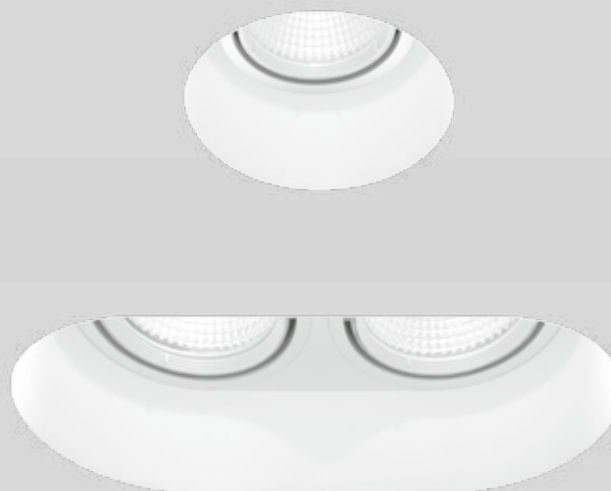




INVISIBLE 100

round trimless

xal.com/invisible



Quickinfo

GENERAL

recessed
IP20, IP44
plasterboard ceilings only

LED

COB LED module
up to 93lm/W
2700K, 3000K, 4000K, CWD
CRI ≥ 90
Binning initial ≤ 3 MacAdam

ESTIMATED LED LIFETIME

L80 / 50000h

OPTICAL

direct illumination
beam angle 18°, 24°, 36°
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; runde Innenkontur; geeignet für Deckenstärken von 10-25mm; ruhiges Deckenbild durch zurückversetzte Leuchtenebene; ein oder zwei 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 50000h Lebensdauer; hochwertiger Reflektor mit sphärischer Facettenoptik; präzise Abstrahlcharakteristik mit drei verschiedenen Ausstrahlwinkeln; werkzeuglos einsetz- bzw. austauschbar; Schutzart IP20 oder IP44; SK II; optional DALI-dimmbar

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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



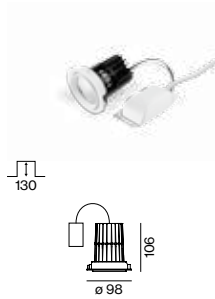
+5% surcharges

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
13 W	2700 K	1170 lm	0 4 8 - 2 4 1 0 ◆◆ ◆ ▲
18 W CWD	3000 K	1210 lm	0 4 8 - 2 4 1 1 0 3 ■ F
27 W	1800–3000 K (CRI ≥ 95)	900 lm	0 4 8 - 2 4 1 2 ◆◆ ◆ ▲
	2700 K	2110 lm	
	3000 K	2190 lm	
	4000 K	2340 lm	
27 W IP 44	3000 K	2190 lm	8 4 8 - 2 4 1 2 5 ◆ 7 F

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 ■
linear prismatic lens	0 4 8 - 2 1 9 2 3 1 ■
snoot	0 4 8 - 2 1 9 1 1 1 ■
snoot with honeycomb louver	0 4 8 - 2 1 9 1 2 1 ■

use only 1 optical accessory

Mounting accessories

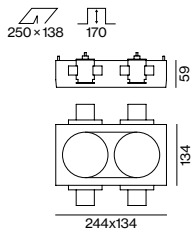
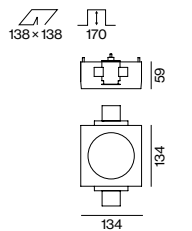
INVISIBLE 100 round

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

TYPE	ORDER CODE
1 lamp	0 6 0 - 0 2 5 1 7

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

TYPE	ORDER CODE
2 lamps	0 6 0 - 0 2 5 2 7



Inspiration

Community Centre
Innertkirchen, Switzerland

ARCHITECT
Gschwind Architekten
Basel, Switzerland

PRODUCT
INVISIBLE 100 round trimless





INVISIBLE 80

asymmetric / square trimless

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 / 50000h

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 50000h 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

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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 37° F

Extended configuration

COLOUR TEMPERATURE ◆◆
2700K 4
4000K 6

CONTROL ◆
DIM DALI 3

MATERIAL COLOUR ■
silver-grey G
black 8



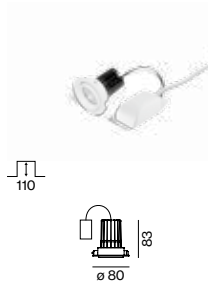
+5% surcharges

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 ◆ ■ ▲
	3000K	660lm	
	4000K	700lm	
10W CWD	1800-3000K (CRI ≥ 95)		0 4 8 - 2 3 1 0 0 3 ■ M
	2700K	950lm	
	3000K	980lm	
12W	4000K	1050lm	0 4 8 - 2 3 1 2 ◆ ■ ▲
	3000K	980lm	
12W IP44	3000K		8 4 8 - 2 3 1 2 5 ◆ F
	3000K		

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 ■
linear prismatic lens	0 4 8 - 2 0 9 2 3 1 ■
snoot	0 4 8 - 2 0 9 1 1 1 ■
snoot with honeycomb louver	0 4 8 - 2 0 9 1 2 1 ■

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

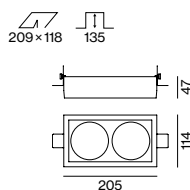
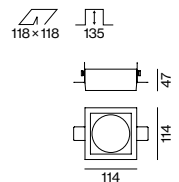
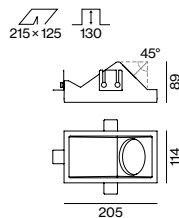
INVISIBLE 80 square

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

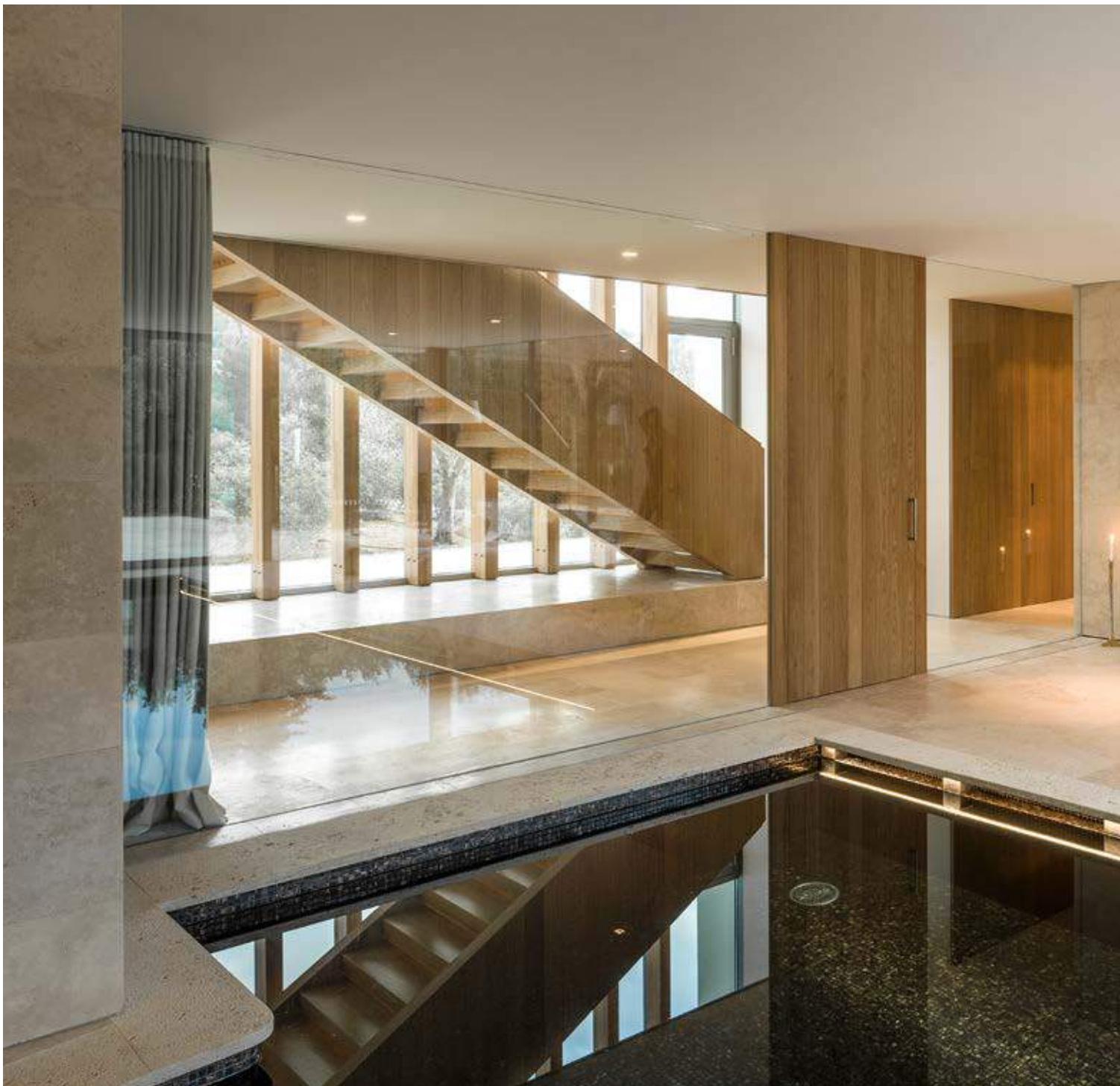
PRODUCT
INVISIBLE 80 asymmetric trimless
INVISIBLE 80 square trimless

ARCHITECT

Rambla 9
Palma de Mallorca, Spain

LIGHTING DESIGN

D-Mix
Palma de Mallorca, Spain





INVISIBLE 100

asymmetric / square trimless

xal.com/invisible



Quickinfo

GENERAL

recessed
IP 20, IP 44
plasterboard ceilings only

LED

COB LED module
up to 93lm/W
2700K, 3000K, 4000K, CWD
CRI ≥ 90
Binning initial ≤ 3 MacAdam

ESTIMATED LED LIFETIME

L80 / 50000h

OPTICAL

asymmetric illumination
beam angle 18°, 24°, 36°
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 10-25mm; ruhiges Deckenbild durch zurückversetzte Leuchtebene; 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 50000h 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

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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



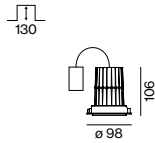
+5% surcharges

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
13 W	2700 K	1170 lm	0 4 8 - 2 4 1 0 ◆◆ ▲
18 W CWD	3000 K	1210 lm	
27 W	1800–3000 K (CRI ≥ 95)	900 lm	0 4 8 - 2 4 1 1 0 3 ■ F
	2700 K	2110 lm	0 4 8 - 2 4 1 2 ◆◆ ▲
	3000 K	2190 lm	
	4000 K	2340 lm	
27 W IP 44	3000 K	2190 lm	8 4 8 - 2 4 1 2 5 ◆ 7 F

LIGHT DISTRIBUTION for 27 W, 3000 K

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 ■
linear prismatic lens	0 4 8 - 2 1 9 2 3 1 ■
snoot	0 4 8 - 2 1 9 1 1 1 ■
snoot with honeycomb louver	0 4 8 - 2 1 9 1 2 1 ■

use only 1 optical accessory

Mounting accessories

INVISIBLE 100 asymmetric

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

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

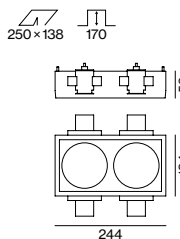
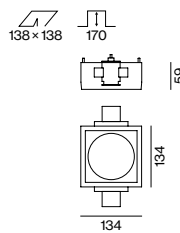
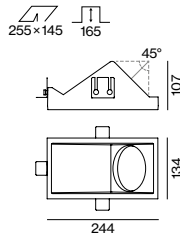
INVISIBLE 100 square

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

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

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

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

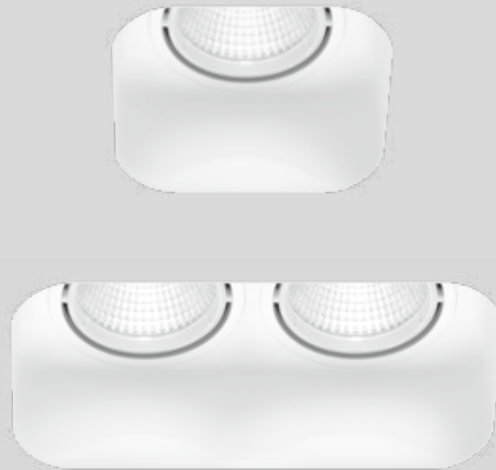




INVISIBLE 80

retro trimless

xal.com/invisible



Quickinfo

GENERAL

recessed
IP20, IP44
plasterboard ceilings only

LED

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

ESTIMATED LED LIFETIME

L80 / 50000h

OPTICAL

direct 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; abgerundete Innenkontur; geeignet für Deckenstärken von 10-25 mm; ruhiges Deckenbild durch zurückversetzte Leuchtenebene; ein oder zwei 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 50000h Lebensdauer; hochwertiger Reflektor mit sphärischer Facettenoptik; präzise Abstrahlcharakteristik mit drei verschiedenen Ausstrahlwinkeln; werkzeuglos einsetz- bzw. austauschbar; Schutzart IP20 oder IP44; SK II; optional DALI-dimmbar

EN Recessed housing made of plaster (paintable); for trimless installation in plasterboard ceilings; rounded internal contour; suitable for ceiling thickness of 10-25 mm; uncluttered ceiling look through recessed lighting level; one or two spotlights (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 50000 hours; high quality reflector with spherical facet finish; precise radiation characteristic with three different beam angles; installed and exchanged without tools; protection class IP20 or IP44; 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



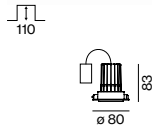
+5% surcharges

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 ◆ ▲	
	3000K	660lm		
	4000K	700lm		
10W CWD	1800-3000K (CRI ≥ 95)		0 4 8 - 2 3 1 0 0 3 ■ M	
	12W	2700K		950lm
		3000K		980lm
	4000K	1050lm		
12W IP44	3000K	980lm	8 4 8 - 2 3 1 2 5 ◆ 7 F	

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 ■
linear prismatic lens	0 4 8 - 2 0 9 2 3 1 ■
snoot	0 4 8 - 2 0 9 1 1 1 ■
snoot with honeycomb louver	0 4 8 - 2 0 9 1 2 1 ■

use only 1 optical accessory

Mounting accessories

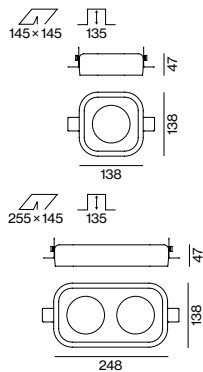
INVISIBLE 80 retro

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

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

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

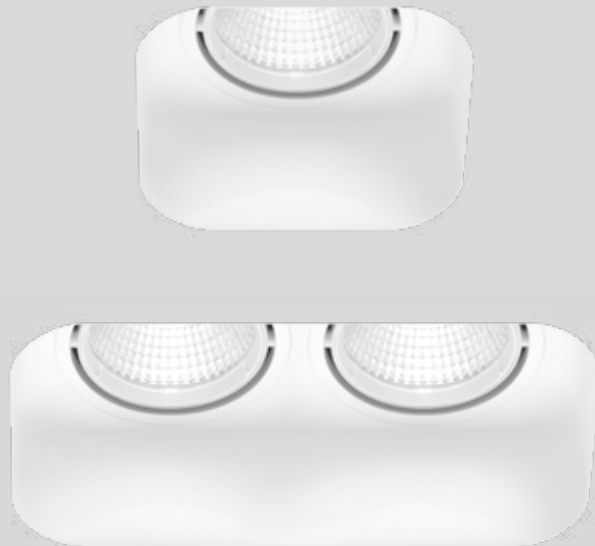
TYPE	ORDER CODE
2 lamps	0 6 0 - 0 0 7 2 7



INVISIBLE 100

retro trimless

xal.com/invisible



Quickinfo

GENERAL

recessed
IP20, IP44
plasterboard ceilings only

LED

COB LED module
up to 93lm/W
2700K, 3000K, 4000K, CWD
CRI ≥ 90
Binning initial ≤ 3 MacAdam

ESTIMATED LED LIFETIME

L80 / 50000h

OPTICAL

direct illumination
beam angle 18°, 24°, 36°
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; abgerundete Innenkontur; geeignet für Deckenstärken von 10-25 mm; ruhiges Deckenbild durch zurückversetzte Leuchtenebene; ein oder zwei 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 50000h Lebensdauer; hochwertiger Reflektor mit sphärischer Facettenoptik; präzise Abstrahlcharakteristik mit drei verschiedenen Ausstrahlwinkeln; werkzeuglos einsetz- bzw. austauschbar; Schutzart IP20 oder IP44; SK II; optional DALI-dimmbar

EN Recessed housing made of plaster (paintable); for trimless installation in plasterboard ceilings; rounded internal contour; suitable for ceiling thickness of 10-25 mm; uncluttered ceiling look through recessed lighting level; one or two spotlights (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 50000 hours; high quality reflector with spherical facet finish; precise radiation characteristic with three different beam angles; installed and exchanged without tools; protection class IP20 or IP44; 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 36° F

Extended configuration

COLOUR TEMPERATURE ◆◆
2700K 4
4000K 6

CONTROL ◆◆
DIM DALI 3

MATERIAL COLOUR ■
silver-grey G
black 8



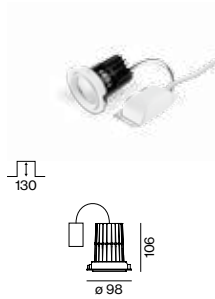
+5% surcharges

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
13 W	2700 K	1170 lm	0 4 8 - 2 4 1 0 ◆◆ ▲
18 W CWD	3000 K	1210 lm	0 4 8 - 2 4 1 1 0 3 ■ ▲
27 W	1800–3000 K (CRI ≥ 95)	900 lm	0 4 8 - 2 4 1 2 ◆◆ ▲
	2700 K	2110 lm	
	3000 K	2190 lm	
	4000 K	2340 lm	
27 W IP 44	3000 K	2190 lm	8 4 8 - 2 4 1 2 5 ◆ 7 F

LIGHT DISTRIBUTION for 27 W, 3000 K

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 ■
linear prismatic lens	0 4 8 - 2 1 9 2 3 1 ■
snoot	0 4 8 - 2 1 9 1 1 1 ■
snoot with honeycomb louver	0 4 8 - 2 1 9 1 2 1 ■

use only 1 optical accessory

Mounting accessories

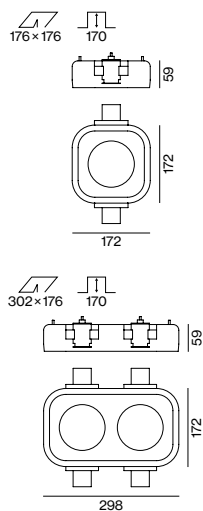
INVISIBLE 100 retro

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

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

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

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



Inspiration

Doctor´s Practice, Dr. Wüllenweber
Aachen, Germany

PRODUCT
INVISIBLE 100 retro trimless

ARCHITECT
Göke Praxiskonzepte
Düsseldorf, Germany

LIGHTING DESIGN
Göke Praxiskonzepte
Düsseldorf, Germany



