Quickinfo

PET felt
♻ from recycled material
up to absorption class A
🔥 flame retardant version available

3000 K, 4000 K
CRI ≥80, 3 SDCM
up to 142 lm/W
L90 @ 50 000 h
DALI-2
opal, microprismatic (UGR ≤ 19)

Types

acoustic module	acoustic module flat
100	ø 750 ø 1000 40
ø 500 ø 750 ø 1000	

acoustic absorber

237

ø 750
ø 1000

luminaire

100

ø 500   ø 750   ø 1000

Acoustic colours

standard   xilence.xal.com/colours

Luminaire colours

standard   xal.com/colours

Light distribution

direct

design by
13&9

HEX-O
ceiling

EN Hexagonal luminaires & acoustic elements, suitable for single or group installation; acoustic element made of high quality, self-supporting, recycled PET felt with sound absorbing properties; MODULE in the luminaires' dimensions, FLAT with reduced height, ABSORBER to combine with other housings; acoustically effective cavities; absorption and scattering of sound waves; light housing from extruded aluminium profile, seamlessly welded; powder coated; satinised or microprismatic PMMA cover; energy-eff. LEDs - very good colour rendering; plug-in terminals for through wiring; installation without tools

IT Apparecchi & elementi acustici esagonali, adatti per montaggio singolo e a gruppi; Elemento acustico in feltro prodotto con PET riciclato di alta qualità, autoportante e con proprietà fonoassorbenti; MODULE nelle dimensioni degli apparecchi, FLAT con altezza ridotta, ABSORBER per combinazioni con altri corpi ed elementi; cavità efficaci a livello acustico; assorbimento e diffusione del suono; corpo illuminante in profilo in alluminio estruso e saldato senza punti di saldatura; verniciatura a polvere; diffusore satinato o a microprismi in PMMA; LED a risp. energ. - ottima resa cromatica; morsetto per collegamento continuo; montaggio senza utensili
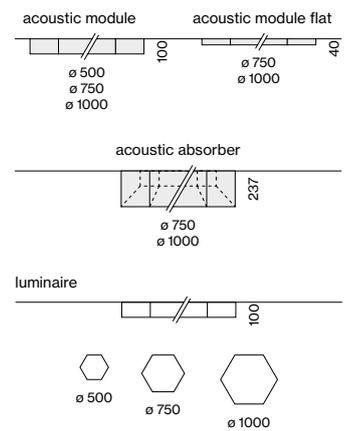
modular system

easy mounting with one click

wide range of colours
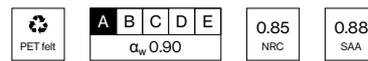
microprismatic (UGR ≤ 19)

Order options

ACOUSTIC COLOUR

○ white	W
● marble grey	D
● felt grey	G
● black	L
●●●● special colours	X

HEX-O MODULE ceiling

♻ PET felt	A **B** C D E / α_w 0.90	0.85 NRC	0.88 SAA
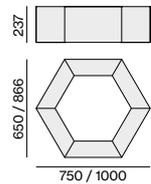
TYPE	L·W·H (mm)	ORDER CODE
MODULE 500	500·433·100	073-691510
MODULE 750	750·650·100	073-691610
MODULE 1000	1000·866·100	073-691710

100 / 433 / 650 / 866 — 500 / 750 / 1000
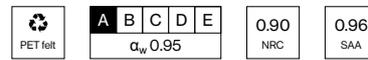
HEX-O MODULE FLAT ceiling

♻ PET felt	A B C **D** E / α_w 0.50	0.70 NRC	0.69 SAA

TYPE	L·W·H (mm)	ORDER CODE
MODULE FLAT 750	750·650·40	073-691620
MODULE FLAT 1000	1000·866·40	073-691720

40 / 650 / 866 — 750 / 1000

HEX-O ABSORBER

♻ PET felt	**A** B C D E / α_w 0.95	0.90 NRC	0.96 SAA

TYPE	L·W·H (mm)	ORDER CODE
ABSORBER 750*	750·650·237	073-691640
ABSORBER 1000**	1000·866·237	073-691740

237 / 650 / 866 — 750 / 1000

*only in combination with HEX-O 500 or MODULE 500
**only in combination with HEX-O 750, MODULE 750 or MODULE FLAT 750

Acoustic data

Equivalent sound absorption area (A_{eq})

TYPE	125	250	500	1000	2000	4000 Hz
MODULE 500	0.09	0.18	0.30	0.32	0.28	0.32
MODULE 750	0.17	0.33	0.57	0.60	0.53	0.60
MODULE 1000	0.27	0.54	0.91	0.97	0.86	0.97
MODULE FLAT 750	0.03	0.10	0.27	0.40	0.50	0.43
MODULE FLAT 1000	0.06	0.17	0.45	0.67	0.84	0.72
ABSORBER 750	0.42	0.61	0.98	0.86	0.84	0.84
ABSORBER 1000	0.57	0.83	1.33	1.17	1.13	1.13

Sound absorption coefficient ($α_p$)

— HEX-O MODULE
– – HEX-O MODULE FLAT
···· HEX-O ABSORBER

Acoustic data calculations based on MODULE 750: cavity 1 cm; FLAT 750: cavity 1 cm; ABSORB. 1000: cavity 1 cm

Order options

COLOUR TEMPERATURE

3000 K	5
4000 K	6
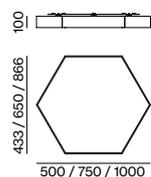
CONTROL

DALI-2
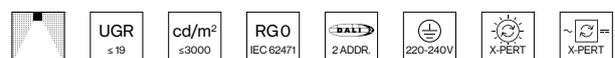
LUMINAIRE COLOUR

○ pure white RAL 9010	7
● jet black RAL 9005	8
●●●● special colours	X

LIGHT OPTIC COVER

opal	O
microprismatic (UGR ≤ 19)	P

LUMINOUS FLUX value calculated for 4000 K, colour white, cover microprism.

HEX-O ceiling

	UGR ≤ 19	cd/m² ≤3000	RG 0 IEC 62471	DALI 2 ADDR.	220-240V	X-PERT	X-PERT
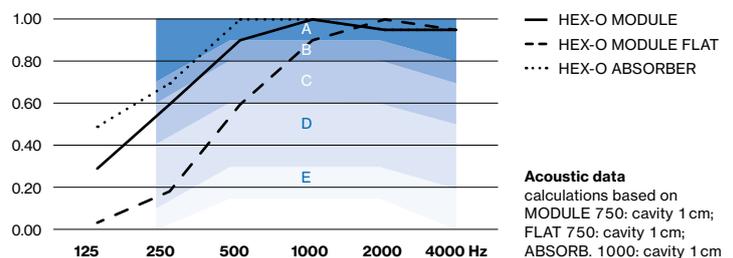
TYPE	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
500	16.3 W	2290 lm	073-6151::3
750	35 W	4960 lm	073-6161::3
1000	68 W	9640 lm	073-6171::3

100 / 433 / 650 / 866 — 500 / 750 / 1000

design by
13&9

HEX-O
suspended

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IT Apparecchi & elementi acustici esagonali, adatti per montaggio singolo e a gruppi; Elemento acustico in feltro prodotto con PET riciclato di alta qualità, autoportante e con proprietà fonoassorbenti; MODULE nelle dimensioni degli apparecchi, FLAT con altezza ridotta, ABSORBER per combinazioni con altri corpi ed elementi; cavità efficaci a livello acustico; assorbimento e diffusione del suono; corpo illuminante in profilo in alluminio estruso e saldato senza punti di saldatura; verniciatura a polvere; diffusore satinato o a microprismi in PMMA; LED a risp. energ. - ottima resa cromatica; incl. cavo di alimentazione; rosone per cablaggio passante; sospeso con cavo a sospensione; regolazione altezza senza utensili; guida posteriore per l'allineamento (group)

Quickinfo

PET felt
♻ from recycled material
up to absorption class A
🔥 flame retardant version available

3000 K, 4000 K
CRI ≥80, 3 SDCM
up to 142 lm/W
L90 @ 50 000 h
DALI-2
opal, microprismatic (UGR ≤ 19)

Types

acoustic module	acoustic module flat
ø 500 ø 750 ø 1000	100	ø 750 ø 1000	40

acoustic absorber

ø 750
ø 1000   237

luminaire

100

ø 500   ø 750   ø 1000

Acoustic colours

standard   xilence.xal.com/colours

Luminaire colours

standard   xal.com/colours
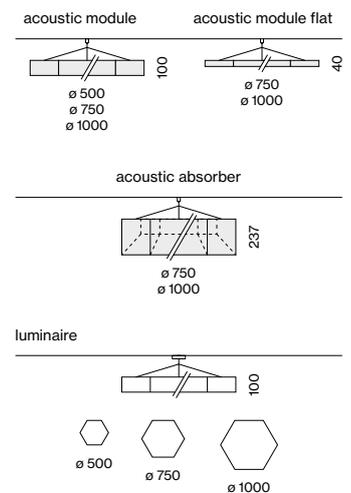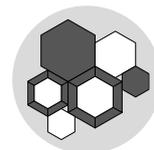
Light distribution

direct

modular
system

wide range
of colours

microprismatic
(UGR ≤ 19)

Order options

MOUNTING ♂
single mounting 2
group mounting 3

2	3

ACOUSTIC COLOUR ◨
○ white W
◉ marble grey D
◉ felt grey G
● black L
🌈 special colours X

Order options

MOUNTING ♂
single mounting 2
group mounting* 3

*order canopy separately

### COLOUR TEMPERATURE ⠶
3000 K 5
4000 K 6

CONTROL
DALI-2

LUMINAIRE COLOUR ◨
○ pure white RAL 9010 7
● jet black RAL 9005 8
🌈 special colours* X

*canopy always in white

LIGHT OPTIC COVER ▢
opal O
microprismatic (UGR ≤ 19) P
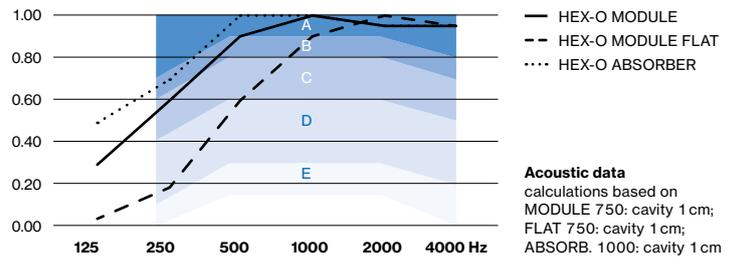
**LUMINOUS FLUX** value calculated for 4000 K, colour white, cover microprism.

HEX-O MODULE suspended

♻ PET felt | A **B C D E** / α_w 0.90 | 0.85 NRC | 0.88 SAA

TYPE	L·W·H (mm)	ORDER CODE
MODULE 500	500·433·100	0 7 3 - 6 9 ♂ 5 1 0 ◨
MODULE 750	750·650·100	0 7 3 - 6 9 ♂ 6 1 0 ◨
MODULE 1000	1000·866·100	0 7 3 - 6 9 ♂ 7 1 0 ◨

HEX-O MODULE FLAT suspended

♻ PET felt | A B C **D** E / α_w 0.50 | 0.70 NRC | 0.69 SAA

TYPE	L·W·H (mm)	ORDER CODE
MODULE FLAT 750	750·650·40	0 7 3 - 6 9 ♂ 6 2 0 ◨
MODULE FLAT 1000	1000·866·40	0 7 3 - 6 9 ♂ 7 2 0 ◨

HEX-O ABSORBER

♻ PET felt | **A** B C D E / α_w 0.95 | 0.90 NRC | 0.96 SAA

| TYPE	L·W·H (mm)	ORDER CODE
ABSORBER 750*	750·650·237	0 7 3 - 6 9 1 6 4 0 ◨
ABSORBER 1000**	1000·866·237	0 7 3 - 6 9 1 7 4 0 ◨

*only in combination with HEX-O 500 or MODULE 500
**only in combination with HEX-O 750, MODULE 750 or MODULE FLAT 750

Acoustic data

Equivalent sound absorption area (A_{eq})

TYPE	125	250	500	1000	2000	4000 Hz
MODULE 500	0.09	0.18	0.30	0.32	0.28	0.32
MODULE 750	0.17	0.33	0.57	0.60	0.53	0.60
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ABSORBER 750	0.42	0.61	0.98	0.86	0.84	0.84
ABSORBER 1000	0.57	0.83	1.33	1.17	1.13	1.13

Sound absorption coefficient (α_p)

— HEX-O MODULE
-- HEX-O MODULE FLAT
··· HEX-O ABSORBER

Acoustic data
calculations based on MODULE 750: cavity 1 cm; FLAT 750: cavity 1 cm; ABSORB. 1000: cavity 1 cm
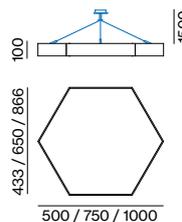
HEX-O suspended

| UGR ≤ 19 | cd/m² ≤3000 | RG0 IEC 62471 | DALI 2 ADDR. | 220-240V | X-PERT | X-PERT |

TYPE	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
500	16.3 W	2290 lm	0 7 3 - 6 ♂ 5 1 ⠶ 3 ◨ ▢
750	35 W	4960 lm	0 7 3 - 6 ♂ 6 1 ⠶ 3 ◨ ▢
1000	68 W	9640 lm	0 7 3 - 6 ♂ 7 1 ⠶ 3 ◨ ▢

CANOPY

TYPE	L (mm)	ORDER CODE
canopy / feeder cable 5 × 1.5 mm²	1500	0 0 5 - 2 2 3 2 4 1 ◨

only for group mounting; one per group needed; can be placed above luminaires or acoustic elements for electrical system configuration see luminaire data sheet at xal.com