

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

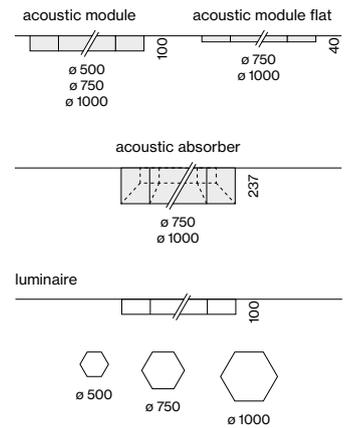
FR Luminaires & éléments acoustiques hexagonaux, adaptés pour montage individuel et groupé ; Élément acoustique en feutre PET recyclé, autoportant, haute qualité, doué de propriétés insonorisantes ; **MODULE** dans les dimensions des luminaires, **FLAT** à hauteur réduite, **ABSORBER** pour combinaison avec d'autres corps et éléments ; cavités à effet acoustique ; absorption et dispersion du son ; corps de luminaire en profilé extrudé en aluminium, soudé sans trace visible ; thermolaquée ; cache PMMA satiné ou microprismatique ; LED à haut rend. éner. - excellent rendu coul. ; borne enfichable pour câblage traversant ; montage sans outil

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 colours



Luminaire colours



Light distribution



modular
system



easy mounting
with one click



wide range
of colours



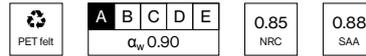
microprismatic
(UGR ≤ 19)

Order options

ACOUSTIC COLOUR	<input checked="" type="checkbox"/>
<input type="radio"/> white	W
<input type="radio"/> marble grey	D
<input type="radio"/> felt grey	G
<input type="radio"/> black	L
<input checked="" type="radio"/> special colours	X



HEX-O MODULE ceiling



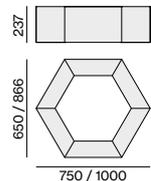
TYPE	L-W-H (mm)	ORDER CODE
MODULE 500	500-433-100	073-691510 <input checked="" type="checkbox"/>
MODULE 750	750-650-100	073-691610 <input checked="" type="checkbox"/>
MODULE 1000	1000-866-100	073-691710 <input checked="" type="checkbox"/>



HEX-O MODULE FLAT ceiling



TYPE	L-W-H (mm)	ORDER CODE
MODULE FLAT 750	750-650-40	073-691620 <input checked="" type="checkbox"/>
MODULE FLAT 1000	1000-866-40	073-691720 <input checked="" type="checkbox"/>



HEX-O ABSORBER



TYPE	L-W-H (mm)	ORDER CODE
ABSORBER 750*	750-650-237	073-691640 <input checked="" type="checkbox"/>
ABSORBER 1000**	1000-866-237	073-691740 <input checked="" type="checkbox"/>

*only in combination with HEX-O 500 or MODULE 500

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

Order options

COLOUR TEMPERATURE	<input checked="" type="checkbox"/>
3000K	5
4000K	6

CONTROL

DALI-2	<input checked="" type="checkbox"/>
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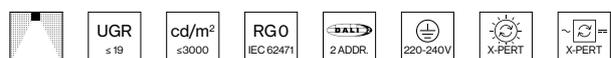
LUMINAIRE COLOUR	<input checked="" type="checkbox"/>
<input type="radio"/> pure white RAL 9010	7
<input type="radio"/> jet black RAL 9005	8
<input checked="" type="radio"/> special colours	X

LIGHT OPTIC COVER	<input checked="" type="checkbox"/>
opal	O
microprismatic (UGR ≤ 19)	P

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



HEX-O ceiling



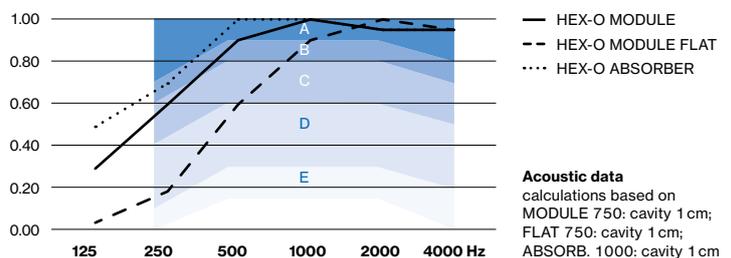
TYPE	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
500	16.3W	2290lm	073-61511:3 <input checked="" type="checkbox"/>
750	35W	4960lm	073-61611:3 <input checked="" type="checkbox"/>
1000	68W	9640lm	073-61711:3 <input checked="" type="checkbox"/>

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)



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



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HEX-O

suspended

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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 colours



Luminaire colours



Light distribution



direct



modular
system



wide range
of colours



microprismatic
(UGR ≤ 19)

Order options

MOUNTING	
single mounting	2
group mounting	3



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

HEX-O MODULE suspended



		α_w 0.90	0.85 NRC	0.88 SAA
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TYPE	L-W-H (mm)	ORDER CODE
MODULE 500	500-433-100	073-69 5 10
MODULE 750	750-650-100	073-69 6 10
MODULE 1000	1000-866-100	073-69 7 10

HEX-O MODULE FLAT suspended



		α_w 0.50	0.70 NRC	0.69 SAA
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TYPE	L-W-H (mm)	ORDER CODE
MODULE FLAT 750	750-650-40	073-69 6 20
MODULE FLAT 1000	1000-866-40	073-69 7 20

HEX-O ABSORBER



		α_w 0.95	0.90 NRC	0.96 SAA
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TYPE	L-W-H (mm)	ORDER CODE
ABSORBER 750*	750-650-237	073-69 1 6 40
ABSORBER 1000**	1000-866-237	073-69 1 7 40

*only in combination with HEX-O 500 or MODULE 500

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

Order options

MOUNTING	
single mounting	2
group mounting*	3

*order canopy separately

COLOUR TEMPERATURE	
3000K	5
4000K	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 4000K, colour white, cover microprism.

Acoustic data

Equivalent sound absorption area (A_{eq})

TYPE	125	250	500	1000	2000	4000 Hz
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ABSORBER 750	0.42	0.61	0.98	0.86	0.84	0.84
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Sound absorption coefficient (α_p)



HEX-O suspended



	UGR ≤ 19		cd/m ² ≤ 3000		RG0 IEC 62471		DALI 2 ADDR.		220-240V		X-PERT
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TYPE	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
500	16.3W	2290lm	073-6 5 1 1
750	35W	4960lm	073-6 6 1 1
1000	68W	9640lm	073-6 7 1 1

CANOPY

TYPE	L (mm)	ORDER CODE
canopy/feeder cable 5 × 1.5 mm ²	1500	005-223241

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