



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

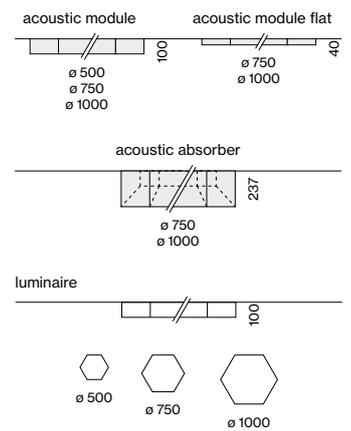
**FR** Luminaires & éléments acoustiques hexagonaux, adaptés pour montage individuel et groupé ; Élément acoustique en feutre PET recyclé, autoportant, haute qualité, doué de propriétés insonorisantes ; **MODULE** dans les dimensions des luminaires, **FLAT** à hauteur réduite, **ABSORBER** pour combinaison 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



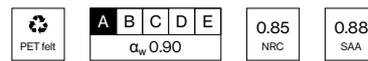
microprismatic  
(UGR ≤ 19)

## 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



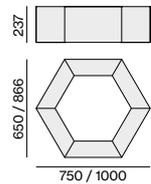
TYPE	L-W-H (mm)	ORDER CODE
MODULE 500	500-433-100	073-691510 <input checked="" type="checkbox"/>
MODULE 750	750-650-100	073-691610 <input checked="" type="checkbox"/>
MODULE 1000	1000-866-100	073-691710 <input checked="" type="checkbox"/>



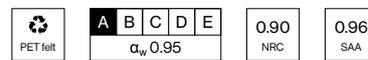
## HEX-O MODULE FLAT ceiling



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 ( $\alpha_p$ )





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## HEX-O

suspended

**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; incl. feeder cable; canopy for through wiring; pendant fitting with cable suspension; height adjustment without tools; rear rail for alignment (group)

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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

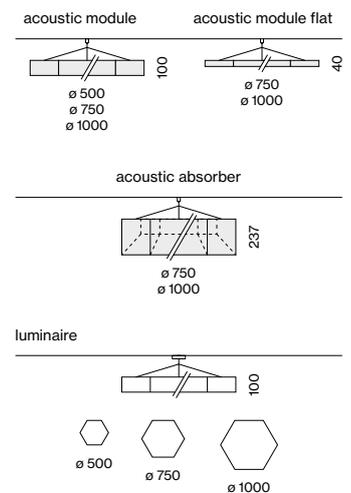
up to 142 lm/W

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

<b>MOUNTING</b>	
single mounting	2
group mounting	3



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

### HEX-O MODULE suspended



PET felt	$\alpha_w 0.90$	0.85 NRC	0.88 SAA

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



PET felt	$\alpha_w 0.50$	0.70 NRC	0.69 SAA

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



PET felt	$\alpha_w 0.95$	0.90 NRC	0.96 SAA

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

<b>MOUNTING</b>	
single mounting	2
group mounting*	3

\*order canopy separately

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

<b>CONTROL</b>	
DALI-2	

<b>LUMINAIRE COLOUR</b>	
○ pure white RAL 9010	7
● jet black RAL 9005	8
● special colours*	X

\*canopy always in white

<b>LIGHT OPTIC COVER</b>	
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
MODULE 500	0.09	0.18	0.30	0.32	0.28	0.32
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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 ( $\alpha_p$ )



### HEX-O suspended



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

TYPE	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
500	16.3W	2290lm	073-6 5 1 1 :: 3
750	35W	4960lm	073-6 6 1 1 :: 3
1000	68W	9640lm	073-6 7 1 1 :: 3

### CANOPY

TYPE	L (mm)	ORDER CODE
canopy/feeder cable 5 × 1.5 mm²	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