kreon

kreon

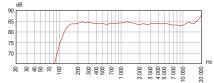
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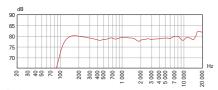
kreon | 2 kreon |

Finally, you can create an optimal audio experience without compromising the visual aesthetics of a room.

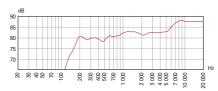
Kreon acoustic systems fit invisibly and easily in most of the Kreon lighting solutions. The miniaturized speakers are equipped with their own amplifier and digital signal processor, so you do not need additional equipment.



Aplis / Aplis in-Line / Down / Down in-Line 80: frequency response, 1/3 octave smoothing



Prologe 80: frequency response, 1/3 octave smoothing



Cadre: frequency response, 1/3 octave smoothing

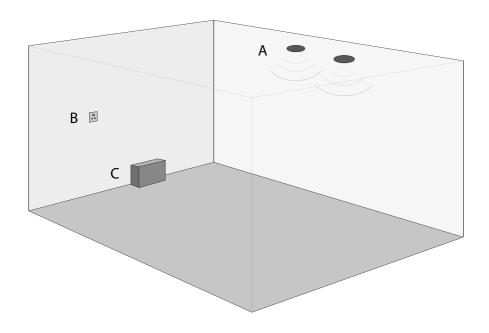


Prologe 80 in-Dolma / in-Line: frequency response, 1/3 octave smoothing



Use Kreon acoustic elements for invisible integration of high-end audio in walls and ceilings. The configuration is easy and always the same.

- 1: Choose your speakers
- 2: Add the interface
- 3: Install a subwoofer, when more clarity and power is needed



A - Choose your Speakers



Equip your Kreon wall or ceiling tile with a speaker. The Kreon speakers are miniaturized high quality audio components based on proprietary digital amplification and sound treatment technology by Vimes. Each speaker can be set as Left, Right or Mono. Its volume can be adjusted individually.

B - Add the interface



Because the Kreon speakers have their own amplifier, they can be connected directly to an audio source, such as a smartphone, tablet, CD player, TV, computer, or a home automation system. Use Kreon's in-wall unit, the 'connect 2-in-w', as an interface. This module has standard switch dimensions (80 x 80 mm) and two audio inputs for universal compatibility: one analogue (cinch) and one optical digital input. Switching between the two input sources occurs automatically, with the optical source operating as the master source. This module responds when you turn the TV on, and automatically switches between your TV and audio device.

C - Add a subwoofer when needed



Depending on the size of your room and the characteristics of your speakers, a subwoofer may be required for additional clarity and power. The flat Kreon subwoofers are made of 3 mm steel sheets and measure $250 \times 400 \times 140$ mm only. Thanks to their displaceable magnetic feet, they can be placed both vertically and horizontally. The chart below helps you to determine whether you need a subwoofer or not.

speaker models	outdoor	living < 40m ²	living > 40m ²	dining	kitchen	hotel room	bedroom < 15m ²	bedroom > 15m ²	bathroom	toilet	home cinema 5.1	home cinema 7.1
Aplis / Down / Down in-Line 80	-	2 to 4 + sub**	4 or +, sub**	2 to 4 + sub*	2 to 4 + sub*	2 + sub*	2 + sub*	2 to 4 + sub*	1 to 2	1	5 + sub**	7 + sub**
Aplis / Down in-Line / Down 165	-	2 to 4 + sub*	4 or +, sub*	2	2	2	2	2	1 to 2	1	5 + sub**	7 + sub**
Down in-Line 76	-	2 to 4 + sub**	4 or +, sub**	2 to 4 + sub*	2 to 4	2 + sub*	2 + sub*	2 to 4 + sub*	1 to 2	1	5 + sub**	7 + sub**
Cadre	-	1 + sub**	1 + sub**	1 + sub**	1 + sub*	1 + sub*	1 + sub*	1 + sub*			1 (rear effects)	2 (rear effects)
Nuit	-	4 + sub**	4 or +, sub**	2 + sub**	2 + sub**	2 + sub**	2 + sub**	4 + sub**	2 + sub*	1	5 + sub**	7 + sub**
Prologe in-Dolma / in-Line 80	-	2 + sub**	4 or +, sub**	2 to 4	2 to 4	2	2	2 to 4	1 to 2	1	5 + sub**	7 + sub**
Prologe in-Dolma / in-Line 145	-	2 + sub*	4 or +, sub*	2	2	2	2	2	1 to 2	1	5 + sub**	7 + sub**
Rokko	1 per 10m²											
Sub standard		1	1 to 2	1	1	1	1	1			1 to 2	1 to 2

Remarks

sub = subwoofer

* gives listening comfort

** required

kreon | 6 kreon |

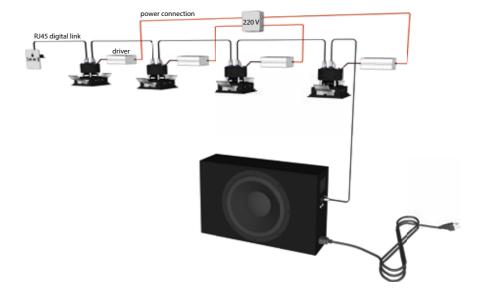
Nuit

Project Buro B Location Genk, Belgium Architect Buro B Photographer Serge Brison

Installation

Reliable and easy to install

The elements of your audio zone —speakers, interface, and subwoofers— are connected with RJ45 cables (Cat. 5). The speakers are powered by drivers, and the first speaker powers the interface.





Aplis 80 Project Audi Delorge Location Hasselt, Belgium





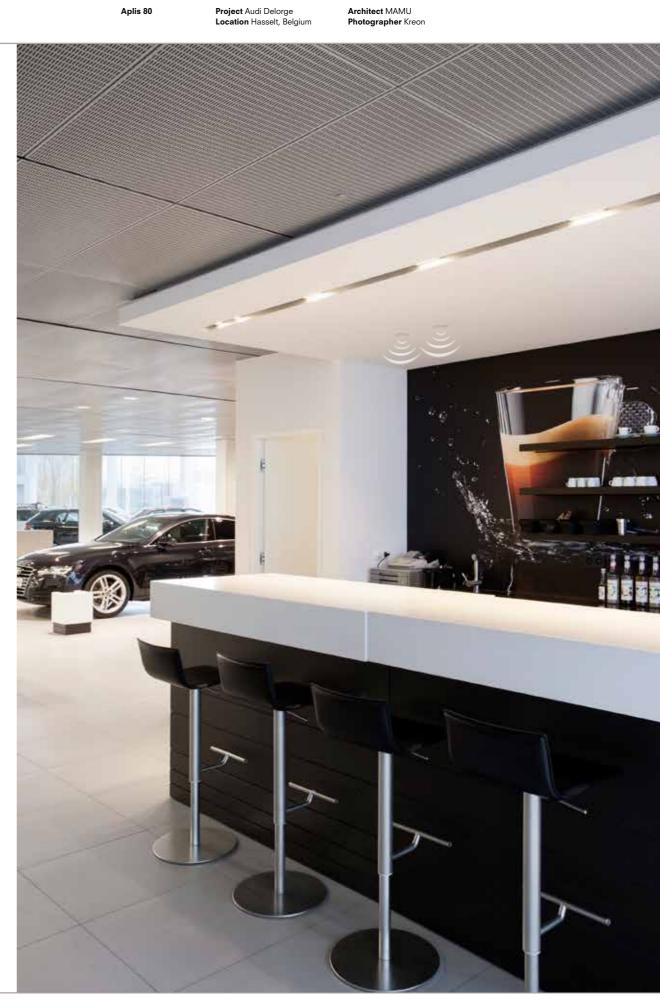
visible Ø	95	180	
cut-out Ø	89	173	
min. depth	130	155	
thickness boardmaterial	9-26	9-26	
speakers	1	2	
amplifier power	25W	2x25W	
voltage	15V	15V	
orientation	V	+	

required			
driver			
230V-15Vdc	kr490365	kr 490365	
connect			
connect 2 in-w	kr 710500	kr 710500	
cable RJ45		-	
0.5 m	kr 710000	kr 710000	
1.0 m	kr 710001	kr 710001	
3.0 m	kr 710003	kr 710003	
5.0 m	kr 710005	kr 710005	
10.0 m	kr 710010	kr 710010	
15.0 m	kr 710015	kr 710015	
20.0 m	kr 710020	kr 710020	

kr 710015	kr 710015	
kr 710020	kr 710020	
kr 737702	kr737712	
kr 710400	kr 710400	
kr 710601	kr 710601	
kr 710602	kr 710602	
kr 710603	kr 710603	
kr 710515	kr 710515	
	kr710020 kr737702 kr710400 kr710601 kr710602 kr710603	kr710020 kr710020 kr737702 kr737712 kr710400 kr710400 kr710601 kr710601 kr710602 kr710603

Remarks

 * Select in relationship with your room dimensions (see page 6)



name	aplis in-line 80 audio	aplis in-line 165 audio
white	kr 917791	kr 917891
black	kr 917792	kr 917892
audio bandwidth	110-24kHz	70-24kHz





required			
orientation	↓	→	
voltage	15V	15V	
amplifier power	25W	2x25W	
speakers	1	2	
thickness boardmaterial	9-26	9-26	
min. depth	130	155	

orientation	₩	V	
required			
driver			
230V-15Vdc	kr 490365	kr 490365	
connect			
connect 2 in-w	kr 710500	kr 710500	
cable RJ45			
0.5 m	kr 710000	kr 710000	
1.0 m	kr 710001	kr 710001	
3.0 m	kr 710003	kr 710003	
5.0 m	kr 710005	kr 710005	
10.0 m	kr 710010	kr 710010	
15.0 m	kr 710015	kr 710015	
20.0 m	kr 710020	kr 710020	
louvres			
louvre black	kr 717122	kr717222	
louvre white	kr 717106	kr 717206	
plasterkit			
trimless	kr 717104	kr 717204	
shadowgap	kr 717108	kr 717208	
plasterkit concrete			
trimless	kr 717101	kr 717201	
shadowgap	kr 717109	kr 717209	
optional			
connect			
connect out	kr 710400	kr 710400	
coverniate for			

	coverplate for connect in-W
kr7	white
kr7	black anodised

 white
 kr710601
 kr710601

 black anodised
 kr710602
 kr710602

 matt anodised
 kr710603
 kr710603

 standard
 kr710515
 kr710515

Remarks

 * Select in relationship with your room dimensions (see page 6)



Cadre QR-CBC51

name	cadre 1200 light/audio chrome	cadre 1200 light/audio black anodised	cadre 1200 light/audio natural anodised
reference	kr963880	kr963882	kr963883
lamptype	QR-CBC51	QR-CBC51	QR-CBC51
audio bandwidth	120-24kHz	120-24kHz	120-24kHz
LxWxH	1230x75xH	1230x75xH	1230x75xH
*H min./max.	900-1650	900-1650	900-1650
gear	incl.	incl.	incl.
IP	40	40	40
class	1	1	1
orientation	V	V	₩
light			
fitting	GU5.3	GU5.3	GU5.3
max. watt	4x35W	4x35W	4x35W
voltage	230V/12V	230V/12V	230V/12V
symbol	<<	⊲	
audio			

2x2 stereo

2x25W

230V/15V

see page 21

2x2 stereo

2x25W

230V/15V

see page 21



speakers

voltage

accessories

amplifier power

2x2 stereo

2x25W

230V/15V

see page 21

name	cadre 1500 light/audio chrome	cadre 1500 light/audio black anodised	cadre 1500 light/audio natural anodised	
reference	kr963890	kr963892	kr963893	
lamptype	QR-CBC51	QR-CBC51	QR-CBC51	
audio bandwidth	120-24kHz	120-24kHz	120-24kHz	
LxWxH	1530x75xH	1530x75xH	1530x75xH	
H min./max.	900-1650	900-1650	900-1650	
gear	incl.	incl.	incl.	
IP	40	40	40	
class	1	1	1	
orientation	₩	Ψ	V	
light				
fitting	GU5.3	GU5.3	GU5.3	
max. watt	4x35W	4x35W	4x35W	
voltage	230V/12V	230V/12V	230V/12V	
symbol	≼	∢	≪	

2x2 stereo

2x25W

230V/15V

see page 21

2x2 stereo

2x25W

230V/15V

see page 21

Remarks

audio

speakers

voltage

accessories

amplifier power

2x2 stereo

2x25W

230V/15V

see page 21

^{*} Pendant height depends on the chosen accessory.

^{*} Pendant height depends on the chosen accessory.

Cadre T16 plexi

name	cadre 1200 light/audio chrome	cadre 1200 light/audio black anodised	cadre 1200 light/audio natural anodised	
reference	kr 963780	kr963782	kr963783	
lamptype	T16 plexi	T16 plexi	T16 plexi	
audio bandwidth	120-24kHz	120-24kHz	120-24kHz	
LxWxH	1230x75xH	1230x75xH	1230x75xH	
*H min./max.	900-1650	900-1650	900-1650	
gear	incl.	incl.	incl.	
IP	40	40	40	
class	1	1	1	
orientation	Ψ	V	V	
light				
fitting	G5	G5	G5	
max. watt	28W/54W	28W/54W	28W/54W	
voltage	230V/12V	230V/12V	230V/12V	
symbol	# B		1 1	
audio				
speakers	2x2 stereo	2x2 stereo	2x2 stereo	
amplifier power	2×25W	2x25W	2x25W	
voltage	230V/15V	230V/15V	230V/15V	

Remarks	R	е	n	n	а	r	k	S
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accessories

see page 21

see page 21

see page 21

name	cadre 1500 light/audio chrome	cadre 1500 light/audio black anodised	cadre 1500 light/audio natural anodised	
reference	kr963790	kr963792	kr 963793	
lamptype	T16 plexi	T16 plexi	T16 plexi	
audio bandwidth	120-24kHz	120-24kHz	120-24kHz	
LxWxH	1530x75xH	1530x75xH	1530x75xH	
H min /may	900-1650	900-1650	900-1650	

LxWxH	1530x75xH	1530x75xH	1530x75xH	
*H min./max.	900-1650	900-1650	900-1650	
gear	incl.	incl.	incl.	
IP	40	40	40	
class	1	1	1	
orientation	Ψ	₩	V	
light				
fitting	G5	G5	G5	
max. watt	35W/49W/80W	35W/49W/80W	35W/49W/80W	
voltage	230V/12V	230V/12V	230V/12V	
symbol	4I B	41 13	a	
audio				
speakers	2x2 stereo	2x2 stereo	2x2 stereo	
amplifier power	2x25W	2x25W	2x25W	
voltage	230V/15V	230V/15V	230V/15V	
accessories	see page 21	see page 21	see page 21	

Remarks

^{*} Pendant height depends on the chosen accessory.

^{*} Pendant height depends on the chosen accessory.

Cadre T16 darklight

name	cadre 1200 light/audio chrome	cadre 1200 light/audio black anodised	cadre 1200 light/audio natural anodised
reference	kr963980	kr963982	kr963983
lamptype	T16 darklight	T16 darklight	T16 darklight
audio bandwidth	120-24kHz	120-24kHz	120-24kHz

LxWxH	1230x75xH	1230x75xH	1230x75xH
*H min./max.	900-1650	900-1650	900-1650
gear	incl.	incl.	incl.
IP	40	40	40
class	1	1	1
orientation	V	V	₩
light			
fitting	G5	G5	G5
max. watt	28W/54W	28W/54W	28W/54W
voltage	230V/12V	230V/12V	230V/12V
symbol	# B	41 B	4I II
audio			
speakers	2x2 stereo	2x2 stereo	2x2 stereo
amplifier power	2x25W	2x25W	2x25W
voltage	230V/15V	230V/15V	230V/15V
accessories	see page 21	see page 21	see page 21

Remarks	R	е	n	n	а	r	k	S
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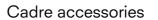
^{*} Pendant height depends on the chosen accessory.

name	cadre 1500 light/audio chrome	cadre 1500 light/audio black anodised	cadre 1500 light/audio natural anodised
reference	kr963990	kr963992	kr963993
lamptype	T16 darklight	T16 darklight	T16 darklight
audio bandwidth	120-24kHz	120-24kHz	120-24kHz
LxWxH	1530x75xH	1530x75xH	1530x75xH
H min./max.	900-1650	900-1650	900-1650

LxWxH	1530x75xH	1530x75xH	1530x75xH	
*H min./max.	900-1650	900-1650	900-1650	
gear	incl.	incl.	incl.	
IP	40	40	40	
class	1	1	1	
orientation	Ψ	₩	₩	
light				
fitting	G5	G5	G5	
max. watt	35W/49W/80W	35W/49W/80W	35W/49W/80W	
voltage	230V/12V	230V/12V	230V/12V	
symbol		a		
audio				
speakers	2x2 stereo	2x2 stereo	2x2 stereo	
amplifier power	2x25W	2x25W	2x25W	
voltage	230V/15V	230V/15V	230V/15V	
accessories	see page 21	see page 21	see page 21	

Remark

 $^{^{\}star}$ Pendant height depends on the chosen accessory.





required				
telescopic suspension	chrome	black anodised	natural anodised	
pendant height				
900-1200mm				
end part				
white leather	kr 763751	kr 763761	kr763771	
black leather	kr763752	kr 763762	kr763772	
coupler				
white leather	kr 763351	kr 763361	kr763371	
black leather	kr763352	kr763362	kr763372	
pendant height				
1200-1650mm				
end part				
white leather	kr 763851	kr 763861	kr 763871	
black leather	kr 763852	kr763862	kr763872	
coupler				
white leather	kr 763451	kr 763461	kr763471	
black leather	kr 763452	kr763462	kr763472	
connect				
connect 2 in-w	kr 710500	kr 710500	kr710500	
cable RJ45				
0.5 m	kr 710000	kr 710000	kr710000	
1.0 m	kr 710001	kr 710001	kr710001	
3.0 m	kr 710003	kr 710003	kr710003	
5.0 m	kr 710005	kr 710005	kr710005	
10.0 m	kr 710010	kr 710010	kr710010	
15.0 m	kr 710015	kr 710015	kr 710015	
20.0 m	kr 710020	kr 710020	kr 710020	
optional				
connect				
connect out	kr 710400	kr 710400	kr710400	
coverplate for			 	
connect in-W white	kr 710601	kr 710601	kr710601	
wnite black anodised	kr710601	kr/10601 kr710602	kr/10601 kr710602	
matt anodised	kr710602	kr710602 kr710603	kr710602 kr710603	
standard *subwoofer	kr710505	kr710505	kr710505	

Remarks

 $^{^{\}star}$ Select in relationship with your room dimensions (see page 6)

Project BEAL international Location Fernelmont, Belgium

Architect Buro 5 Photographer Serge Brison

Down



name	down 80 audio	down 165 audio
white	kr 947791	kr 947891
black	kr947792	kr947892
audio bandwidth	110-24kHz	70-24k





visible LxW	96x102	180x186	
cut-out LxW	91x91	173x173	
min. depth	130	155	
thickness boardmaterial	9-26	9-26	
speakers	1	2	
amplifier power	25W	2x25W	
voltage	15V	15V	
orientation	V	V	
required			
driver			
230V-15V-do	kr490365	kr490365	

required			
driver			
230V-15Vdc	kr 490365	kr 490365	
connect			
connect 2 in-w	kr 710500	kr710500	
cable RJ45			
0.5 m	kr 710000	kr710000	
1.0 m	kr 710001	kr 710001	
3.0 m	kr 710003	kr710003	
5.0 m	kr 710005	kr 710005	
10.0 m	kr 710010	kr 710010	
15.0 m	kr 710015	kr 710015	
20.0 m	kr 710020	kr 710020	

20:0 111	111710020	117 10020	
4:1			
optional			
plasterkit			
plasterkit concrete	kr 747702	kr 747712	
connect			
connect out	kr 710400	kr 710400	
coverplate for connect in-W			
white	kr 710601	kr 710601	
black anodised	kr 710602	kr 710602	
matt anodised	kr 710603	kr 710603	
standard *subwoofer	kr 710515	kr 710515	

Remarks

* Select in relationship with your room dimensions (see page 6)

name	down in-line 76 audio	down in-line 80 audio	down in-line 165 audio	
reference	kr 918793			
white		kr 917791	kr917891	
black		kr 917792	kr917892	
audio pandwidth	90-24kHz	110-24kHz	70-24kHz	
	\diamondsuit			

visible LxW	76x76	80x80	165×165	
cut-out LxW	86x86	102x102	186×186	
min. depth	155	130	155	
thickness boardmaterial	6-28	9-26	9-26	
speakers	1	1	2	
mplifier power	25W	25W	2x25W	
voltage	15V	15V	15V	
orientation	Ψ	Ψ	Ψ	

required				
driver				
230V-15Vdc	kr 490365	kr490365	kr490365	
connect				
connect 2 in-w	kr 710500	kr 710500	kr 710500	
cable RJ45				
0.5 m	kr 710000	kr 710000	kr 710000	
1.0 m	kr 710001	kr 710001	kr 710001	
3.0 m	kr 710003	kr 710003	kr 710003	
5.0 m	kr 710005	kr 710005	kr 710005	
10.0 m	kr 710010	kr 710010	kr 710010	
15.0 m	kr 710015	kr 710015	kr 710015	
20.0 m	kr 710020	kr 710020	kr 710020	
plasterkit				
plasterkit	kr 718214			
plasterkit BA13	kr 718218			
trimless		kr 717114	kr 717214	
shadowgap		kr 717118	kr 717218	
plasterkit concrete				
concrete plasterkit	kr 718203			
concrete plasterkit		kr 717119	kr 717219	
trimless				
concrete plasterkit		kr 717111	kr 717211	
shadowgap				
louvre	1 740045			
oblique grey	kr 718215	1 717440	1 717040	
oblique white	kr 718216	kr 717116	kr 717216	
oblique alu matt	kr718217		. =.=	
oblique black	kr718222	kr 717112	kr 717212	
oblique gold	kr 718227			
optional				
connect				



Remarks

kr710400

kr710601

kr710602

kr710603

kr710515

kr710400

kr710601

kr710602

kr710603

kr710515

connect out

coverplate for connect in-W

black anodised

matt anodised

standard *subwoofer

kr710400

kr710601

kr710602

kr710603

kr710515

Nuit

name	nuit 1x5 mono audio	nuit 2x5 stereo audio
white	kr 953911	kr 953951
black	kr 953912	kr 953952
audio bandwidth	150-24k	150-24k





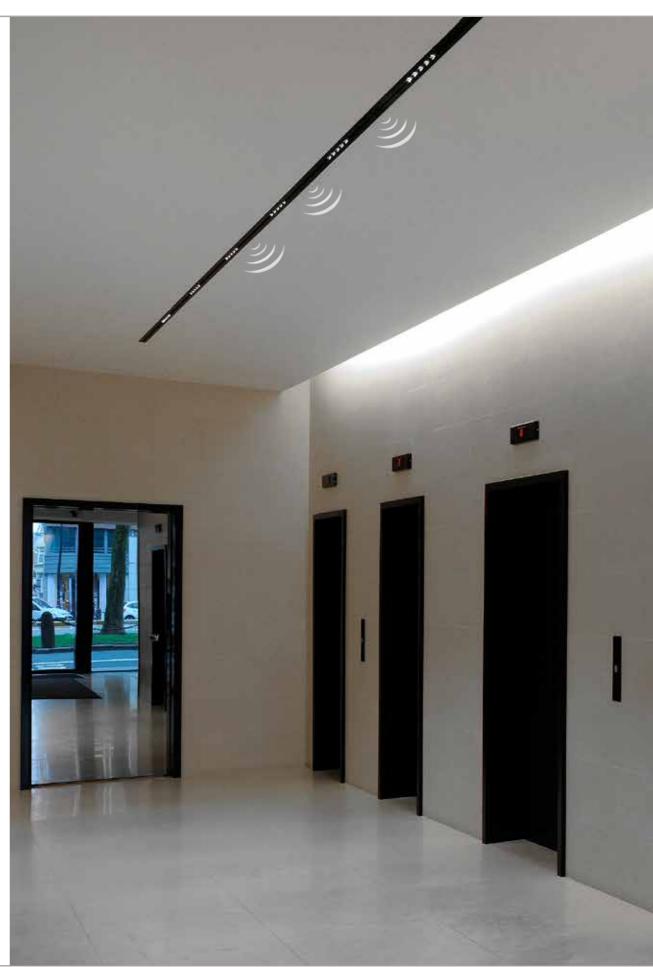
required			
connect			
connect 2 in-w	kr 710500	kr 710500	
cable RJ45			
0.5 m	kr 710000	kr 710000	
1.0 m	kr 710001	kr 710001	
3.0 m	kr 710003	kr 710003	
5.0 m	kr 710005	kr 710005	
10.0 m	kr 710010	kr 710010	
15.0 m	kr 710015	kr 710015	
20.0 m	kr 710020	kr 710020	

20.0 m	kr 710020	kr 710020	
optional			
connect			
connect out	kr 710400	kr 710400	
coverplate for connect in-W			
white	kr 710601	kr 710601	
black anodised	kr 710602	kr 710602	
matt anodised	kr 710603	kr 710603	
standard *subwoofer	kr 710515	kr 710515	
recessed mounting			
trimless plasterkit	kr 753040	kr753050	





LxWxF	454x47x75	724x47x75	
min. depth	n 88	88	
cut-out LxW	460x50	730x50	



^{*} Select in relationship with your room dimensions (see page 6)

Nuit profile



LxWxH	550x40x53	
min. depth	40	
gear	incl.	
speakers	1	
amplifier power	1x15W	
voltage	230V/12V	
orientation	\	
required		
connect		
connect 2 in-w	kr 710500	
cable RJ45		
0.5 m	kr 710000	
1.0 m	kr 710001	
3.0 m	kr 710003	
5.0 m	kr 710005	
10.0 m	kr 710010	
15.0 m	kr 710015	
20.0 m	kr 710020	
optional		
connect		
connect out	kr 710400	
coverplate for		
connect in-W		
white	kr 710601	
black anodised	kr 710602	
matt anodised	kr 710603	
standard	kr 710515	
*subwoofer		

name	nuit profile surface mounted	nuit profile recessed mounted
white	kr 703111	kr 703111
black	kr 703112	kr 703112





LxWxH	Lx40x53	Lx40x53
max. length	2300mm	2300mm
orientation	V	V
optional		
recessed		
iccesseu		
mounting		
		recessed profile



LxWxH
max. length
min. depth.
cut-out LxW
optional
name
max. length min. depth. cut-out LxW optional



LxWxH	45x107x61	
name	recessed profile	
	snap hanger	
aluminium	kr 726057**	



I vWvH	v10v61	
FYAAYII		

^{*} Select in relationship with your room dimensions (see page 6)

Prologe 80 in-Dolma

Project Ascot Location London, United Kingdom **Architect** Aukett Swanke / Paul Nulty Lighting Design **Photographer** Arne Jennard

Prologe in-Line & in-Dolma

name	prologe 80 in-line profile aluminium	prologe 80 in-dolma profile aluminium	prologe 145 in-line profile aluminium	prologe 145 in-dolma profile aluminium
black anodised	kr 765102	kr765002	kr 785102	kr 785002
naturel anodised	kr 765103	kr765003	kr 785103	kr 785003









visible LxW	Lx80	Lx80	Lx145	Lx145	
LxWxH cut out profile	(L+10)x105x245	(L+10)x105x190	(L+10)x170x245	(L+10)x170x190	
max. length	6000 mm	6000 mm	6000 mm	6000 mm	
IP	40	40	40	40	
class	1	1	1	1	
orientation	V	₩	₩	V	

optional	
corner cut 90°	

corner cut 90°					
black anodised	kr765402	kr765302	kr785402	kr 785302	
natural anodised	kr765403	kr765303	kr785403	kr 785303	









extra el. wiring	kr705401	kr 705401	kr 705401	kr 705401	

Remarks

Prologe profile should be finished with polyester gypsum.

The profile is supplied pre-assembled (all gears incl.).

Combinations can be specified on order form.

Max. length single profile: 6000 mm.

Prologe in-Line & in-Dolma

name	prologe 80 in-line /in-dolma audio	prologe 145 in-line/in-dolma audio	
bandwidth	80-24k	60-24k	
white	kr 965791	kr935991	
black	kr 965792	kr935992	





LxWxH	500x75x100	590x140x100	
gear	incl.	incl.	
speakers	2	3	
amplifier power	2x25W	2x25W	
voltage	230V/15V	230V/15V	
orientation	V	↓	
required			
connect			
connect 2 in-w	kr 710500	kr 710500	
cable RJ45			
0.5 m	kr 710000	kr 710000	
1.0 m	kr 710001	kr 710001	
3.0 m	kr 710003	kr 710003	
5.0 m	kr 710005	kr 710005	
10.0 m	kr 710010	kr 710010	
15.0 m	kr 710015	kr 710015	
20.0 m	kr 710020	kr 710020	
optional			
connect			
connect out	kr 710400	kr 710400	
coverplate for connect in-W			
white	kr 710601	kr 710601	
black anodised	kr 710602	kr 710602	
matt anodised	kr 710603	kr 710603	
standard	kr 710515	kr 710515	

Remarks

*subwoofer

* Select in relationship with your room dimensions (see page 6)



Project Chalet Cyanella Location Mégève, France

Rokko

Architect Joëlle Fichard (Bô Design)
Photographer Serge Brison

name	mini square rokko audio	
bandwidth	90-24k	
white	kr 943391	
black	kr 943392	



Rokko

visible LxWxH	140x140x25		
installation depth	85		
gear	excl.		
speakers	1		
amplifier power	25W		
voltage	15V		
orientation	→		
required			
driver	kr 943390		
connect	KI J-JJJJJ		
connect 2 in-w	kr 710500		
cable RJ45	KI 7 10300		
0.5 m	kr 710000		
1.0 m	kr 710000		
3.0 m	kr710003		
5.0 m	kr 710005		
10.0 m	kr 710010		
15.0 m	kr 710015		
20.0 m	kr 710020		
optional			
connect			
connect out	kr 710400		
coverplate for connect in-W			
white	kr 710601		
black anodised	kr 710602		
matt anodised	kr 710603		
standard	kr 710515		

Remarks

*subwoofer



 $^{^{\}star}$ Select in relationship with your room dimensions (see page 6)

General information

All information in this catalogue is non-binding, supersedes all previous information, and is subject to amendment at any time. Kreon has the right to change the technical specifications of its products at any time without prior notice. Kreon terms and conditions are applicable at all times. No part of this catalogue may be reproduced without written authorisation from Kreon.

Low voltage fixtures

The installation of low voltage fixtures requires a number of precautions. The power of the transformer must equal the sum of the powers of the fixtures (W), in other words, 4 fixtures of 50W each require a transformer of 200VA. In addition, the low voltage fixtures must be looped to the security transformer. The transformer requires installation as close to the fixtures as possible to avoid voltage drops. Because the current at 12V is 18–20 times greater than at 230V, special attention must be paid to the use of appropriate wiring. In order to protect secondary circuits against overload, they must be equipped with the appropriate fuses. In particular, the use of electronic transformers, which operate at high frequencies (30-50kHz), requires a wire less than 2m long to comply with radio interference limit values. Dimming the current in low voltage installations is only possible by means of a dimmer suitable for the relevant transformer. Conventional (magnetic) transformers (operating frequency 50-60Hz) require a dimmer for inductive loads. Electronic transformers on the other hand normally require a dimmer for capacitive loads (turn-off controlled or phase control on the trailing edge, using a mosfet scheme). In some cases, by using an additional filter, in series with the electronic transformer, an inductive dimmer may also be used. In any case the dimmer should never be loaded under the minimum power or be overloaded. The instructions which come with the dimmer must be carefully read and strictly followed.

Specifications

Because of the constant improvement of its products, Kreon reserves the right to modify the characteristics of such products without prior notice.

Fixtures

Unless otherwise mentioned, all products are delivered without lamps. The maximum power specified must under no circumstances be exceeded.

Dimension

Unless otherwise indicated, all dimensions are specified in millimetres.

Labels

Each product is labelled, specifying the equipment number of the article, its serial number, the type of lamp needed and its maximum power.

Patents/trademarks

Kreon holds patents on all products and all product names are registered trademarks.

Liability

Kreon products are manufactured in compliance with CE regulations and current standards in force and are delivered with assembly instructions. Each and every modification applied to the product after purchase and/or failure to comply with the assembly instructions may result in the loss of characteristics and in a dangerous situation for its user. Kreon disclaims all liability for products subjected to any modification whatever or for which the assembly instructions are not complied with. Kreon cannot be held liable for any technical errors in this catalogue.

IP classification

Degree of Protection against penetration of solids

IP 0X	No-Protection
IP 1X	Protection against solid objects greater than 50mm \varnothing
IP 2X	Protection against solid objects greater than 12mm Ø
IP 3X	Protection against solid objects greater than 2.5mm \varnothing
IP 4X	Protection against solid objects greater than 1mm Ø
IP 5X	Protection against limited ingress of dust without interference in operation
IP 6X	Protection against any ingress of dust

	Degree of Protection against penetration of liquids
IP X0	No-Protection
IP X1	Protection against vertically dripping water
IP X2	Protection against vertically dripping water up to 15° from vertical
IP X3	Protection against spraying water up to 30° from vertical axis
IP X4	Protection against spraying water from any direction
IP X5	Protection against jets of water from any direction
IP X6	Protection from powerful jets of water with limited ingress with no harmful effect
IP X7	Protection against total immersion in water for limited periods
IP X8	Protection against total immersion in water under pressure for an indefinite period

IK classification

Level of shock resistance according to CEI EN 50102

Max. depth shown in metres IPX8 ...m

IK 00	No-Protection
IK 01	Protection against 0,15 J shocks
IK 02	Protection against 0,2 J shocks
IK 03	Protection against 0,35 J shocks
IK 04	Protection against 0,5 J shocks
IK 05	Protection against 0,7 J shocks
IK 06	Protection against 1 J shocks
IK 07	Protection against 2 J shocks
IK 08	Protection against 5 J shocks
IK 09	Protection against 10 J shocks
IK 10	Protection against 20 J shocks

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Article 1 - Formation and subject matter of the contract:

The price quotes emanating from the vendor are for information only, and are entered into without commitment. Orders must be placed by the buyer in writing and are irrevocable. Orders are only binding on the vendor once it has accepted the order by means of a written order confirmation. The buyer must check the confirmation and inform the vendor immediately of any discrepancies. If any non-conformity is not notified within three (3) days of the date of the order confirmation, the order confirmation is deemed to be identical to the buyer's order. Moreover, orders are confirmed on the condition precedent that the goods ordered are still in stock. These terms and conditions form an integral part of all contracts entered into between the vendor and the buyer. These terms and conditions also apply to occasional supplies and services. Orders that deviate from these general terms and conditions of sale are only binding on the vendor after express written acceptance of the clauses that deviate from them. Terms and conditions of customers and suppliers referred to in their written documents are not accepted. If the vendor's trust in the creditworthiness of the customer is undermined by judicial enforcement action against the buyer and / or demonstrable other events that cast doubt on or render impossible the proper performance of the commitments given by the buyer, the vendor reserves the right, even if the goods are already partly or entirely shipped, to suspend the whole order or part thereof, and demand guarantees from the buyer. If the buyer refuses to accede to this demand, the vendor reserves the right to cancel the entire order or part thereof, without prejudice to the vendor's rights to compensation and interest. If an order comprises several deliveries, then the vendor is entitled to make the irrevocable presumption that each delivery is deemed to form part of a separate contract. Consequently, any disputes relating to the performance of the vendor's obligations relating to one delivery do not affect the rest of the order, so that the buyer cannot invoke any dispute about the delivery in order to escape its obligations with regard to the other deliveries. The titles of the articles of these general terms and conditions are given for information only.

Article 2 - Deliveries:

The delivery dates shown on the order form or in the order confirmation are not binding on the vendor, and are given merely as an indication. Any delay does not entitle the buyer to compensation or cancellation of the order and / or cancellation of a contract, except if expressly stipulated otherwise. The goods will be delivered to the ground floor only. Our goods are sold, collected and paid for at the warehouses / premises of the vendor, which is deemed to be the place of delivery, even if they are shipped carriage-paid. The shipping costs are always payable by the vendor, except if expressly stipulated otherwise. Delivery occurs at the vendor's premises, unless agreed otherwise. If delivery is arranged by the vendor, this is done at the buyer's risk and expense. In the event of transhipment, the buyer must give instructions about the transport contractor and the route. In the absence of such instructions, the vendor has the right to take a decision in this regard. The vendor has the right to ship a part-consignment. If the buyer doers not collect the goods on the agreed date, or fails to accept the goods ordered on delivery, the vendor is free to choose between demanding enforced fulfilment of the buyer's obligations, or demanding termination of the contract by force of law, with compensation being payable by the buyer, equal to 30 % of the sale price, without formal notice, without prejudice to the vendor's other rights. Storage of the goods while awaiting collection or delivery is at the buyer's risk and expense.

Article 3 - Conformity, visible and latent defects:

Unless agreed otherwise, complaints concerning conformity of and visible defects in the goods must be notified within two (2) days after delivery by registered letter to the vendor citing the reasons. Within that period, the buyer must demonstrate that the visible defects and / or the non-conformity with the order placed by it were present at the time of collection / delivery. Once that period has lapsed, the goods are deemed to have been accepted definitively by the buyer. Complaints in connection with latent defects are only admissible if they are notified by registered letter to the vendor, citing reasons, within six (6) months after the delivery date, and within eight (8) days after the defect has been discovered. The vendor only undertakes to replace or repair the parts acknowledged by it as being faulty, excluding any other intervention or compensation for direct and / or indirect loss. The warranty for latent defects lapses in the event of abnormal use, poor maintenance, alteration of the goods by the buyer, dismantling or repair by an unqualified person. The existence of complaints does not release the buyer from his obligation to pay the vendor's invoices on the due date. All dimensions and weights quoted are approximate. A deviation from the quoted data cannot be deemed a defect

Article 4 - Prices and payments:

All prices are exclusive of VAT and 'ex works', except if expressly agreed otherwise in writing. They apply excluding transport costs, insurance, packing costs, import and export duties, installation and assembly costs, etc. Any increase in customs duties, VAT rates, social security charges, raw material prices, energy costs, exchange rates, as well as all other charges and taxes applicable to the sale, and applied after the formation of the contract, are payable by the buyer. Invoices which do not relate to an advance payment, issued by the vendor, are payable by bank transfer to the account numbers shown on the invoice, within thirty (30) days of the date of invoice, unless expressly agreed otherwise in writing. Invoices relating to an advance payment are payable cash. The payment terms are not altered by drawing a bill, which does not constitute novation. In the event of a bill not being honoured, or noncompliance with the payment terms granted, all other sums as yet unpaid become due immediately. Payments received shall be offset by the vendor first against interest due and compensation, and then against the principal of the invoice that fell due first. In the event of non-payment of the amounts payable on the due date, interest on overdue payment is due, by force of law and without prior notice of default being required, at a rate of 1 % per month on the sums not collected on the due date; part of a month counts as a whole month. Any discounts granted lapse in the event of overdue payment. Furthermore and without prejudice to the contractually-agreed interest, in the event of overdue payment, flat-rate compensation will be payable by force of law and without notice of default, at a rate of 10 % of the invoice amount. Failing payment of an invoice on the due date, all the other invoices issued by the vendor to the buyer shall fall due immediately, without prejudice to the vendor's other rights. The vendor is also entitled to compensation for any other costs, such as collection expenses and judicial expenses, costs and the fees of lawyers used by the vendor, but for the extra-judicial and judicial steps to ensure debt recovery, as well as costs arising from unpaid bills of exchange.

Article 5 - Transfer of title, retention of title and express resolutory condition:

The Vendor reserves the title to all models, industrial and trade marks, patents, drawings and sketches and other intellectual property rights relating to the products sold or services supplied. The title to the goods sold and of their accessories shall only be transferred to the buyer once the price has been paid in full, both in principal and any ancillary interest and charges. While the vendor retains the title to the goods under the terms of this clause, the buyer remains liable for maintaining the goods in good condition. The buyer undertakes to insure the goods against all risks. The buyer may not alter, hire out, pledge, sell or encumber in any way the goods supplied. If the buyer sells the goods before the title passes to it, the buyer accepts that the income received from that sale belongs exclusively to the vendor. This income shall be kept separately by the buyer from his other funds. Advance payments made by the buyer shall remain the vendor's property by way of compensation for potential losses on re-sale by the vendor. Without prejudice to the provisions of the clause on retention of title, all risks are transferred to the buyer at the time of formation of the contract. In the event of prejudgement attachment or attachment in execution, or any other change that may affect the vendor's title, the buyer is bound to notify the vendor within 24 hours, on paid of liability, as well as notifying the third party of the vendor's retention of title. In these situations, the buyer warrants that he will allow the third party immediate insight into the agreement entered into between it and the vendor. If the buyer fails to fulfil its obligations, the sale may be dissolved by force of law and without notice of default, via a registered letter emanating from the vendor. The buyer will then be bound to return the equipment / material to the vendor within 24 hours. If it fails to do so, the vendor shall have the right by force of law to take possession of the goods after the expiry of the aforementioned period. Furthermore, in this case the vendor has the right to flat-rate compensation of 10 % of the purchase price, unless it is able to prove a greater loss.

Article 6 - Vendor's liability - force majeure:

If the vendor fails to fulfil one of its obligations, it is not liable if it is able to demonstrate that the non-performance is due to circumstances that it was not bound to take into consideration, to prevent or to surmount at the time of formation of the contract. There follows a list of such circumstances accepted by the parties. However, this is a non-exhaustive list:

- any change in the manufacturer's price, raw material prices, exchange rates, the price of the foreign currency in which equipment, materials or parts thereof are purchased, and in general, changes in any factors that determine the vendor's purchase price, whereby this purchase price rises by more than 10 % between the date of formation of the contract and the delivery of the goods in accordance with these terms and conditions;
- non-delivery by manufacturers or the vendor's suppliers;
- acts by government, export, import or transit bans, strikes, rioting, war or acts of war, mobilisations or weather conditions :
- lack of materials or transport, breakage of machinery, fire, labour shortage, transport difficulties or disruption that leads to execution being delayed or seriously hindered, or an increase in the cost of execution by more than 10 %;
- all measures that prevent or curb international trade or make it more difficult.

The vendor's liability is always limited to refunding the value of the defective goods. The vendor cannot be held liable for other direct or indirect losses such as loss of sales, consequential loss, physical injury or losses by third parties. The buyer shall hold the vendor harmless against any claims from third parties arising from any defect in the goods. If a subcontractor is used, the vendor may not be held liable for any delays, errors in execution or negligence by said subcontractor.

Article 7 - Repairs:

With regard to repairs, the vendor's warranty obligations apply only within the limits of the terms of Article 3 of these general terms and conditions.

Article 8 - Non - waiver of rights:

The vendor's failure to enforce one or more of the clauses of these general terms and conditions cannot be construed as a waiver of these rights.

Article 9 - Unforeseen circumstances:

The vendor reserves the right to impose amendment of the contract if unforeseen circumstances arise.

$\label{eq:Article 10 - Applicable law and competent court:} Article \ 10 - Applicable \ law \ and \ competent \ court:$

Belgian law applies to all contracts entered into with the vendor. The courts of the Tongeren legal district shall have sole jurisdiction to hear disputes. However, the vendor has the right to opt to bring disputes before the courts with jurisdiction for and according to the law applicable to the buyer's registered office.

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