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vektron offices

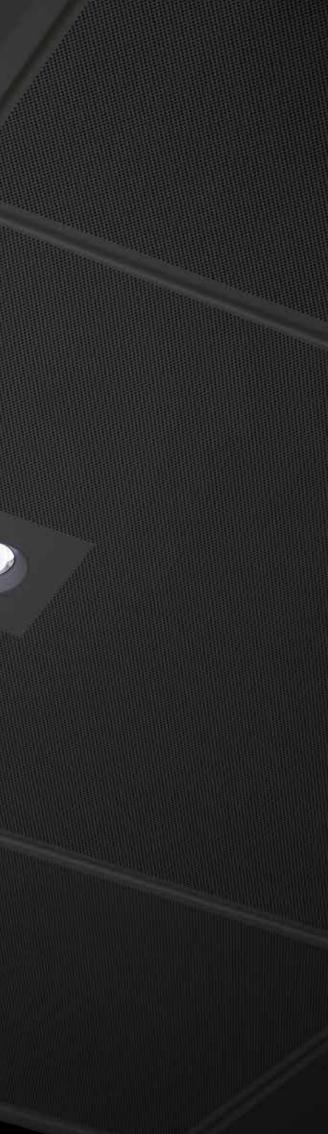
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Today's office spaces must be designed to meet the requirements of widespread parttime telecommuting and circular building. Office layouts may have to be reconsidered and workstations may need to make space for meeting rooms, shared spaces, conversation hubs and collaborative spaces of all sizes.

Are light and acoustic features still in the right place when modifying the layout? Do we have the right comfort equipment in the right location? With flexible vektron ceiling rafts you have the freedom to install them where you need and change their locations when necessary.

vektron ceiling rafts are standardized solutions that fit many different environments, are easy to design, fast to produce and simple to assemble and install.

Thanks to this flexible approach our suspended ceilings can evolve alongside the changing destination of an office building and can be re-used when your company outgrows its current locations and is ready to move to new headquarters.

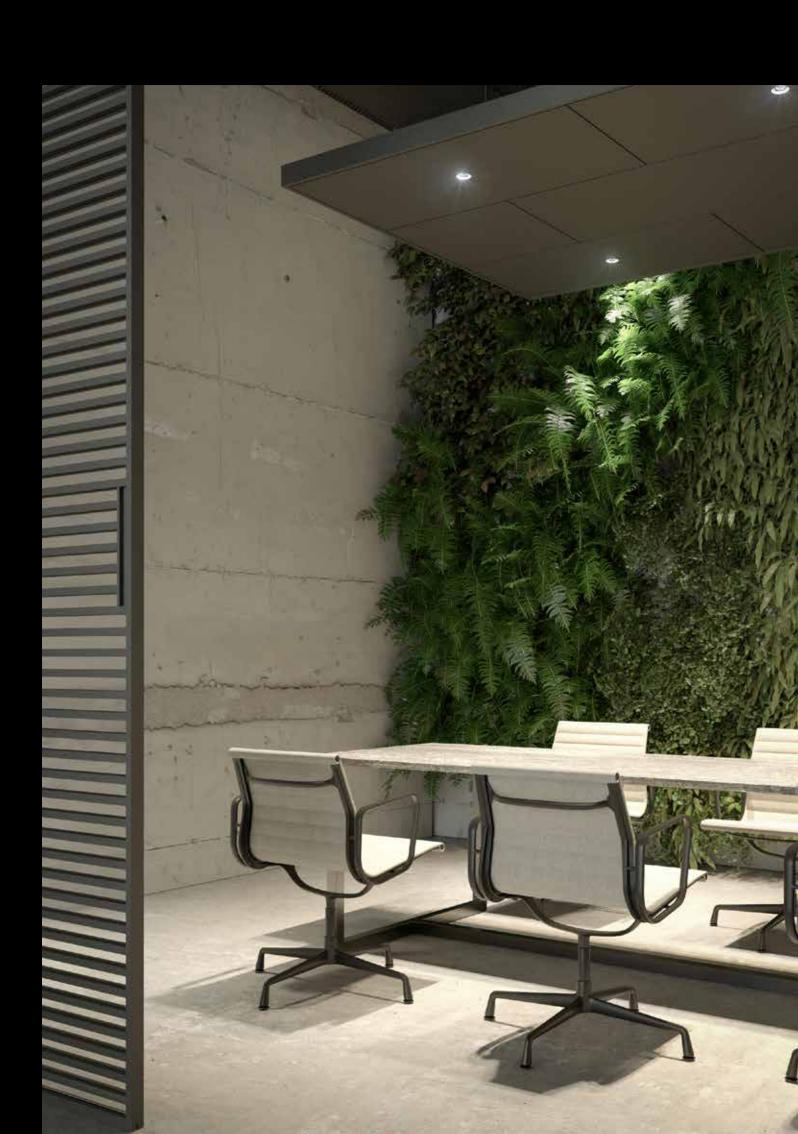


vektron ceiling rafts are ready-made and easy to install suspended ceilings for office use. They come in two different sizes, three different layouts each, two available colours and can be equipped with luminaires.

Each raft is composed of vektron clip-in tiles made from cold rolled galvanised steel. Each tile is perforated (RD1821) and available in either white or black epoxy polyester powder coating.

Black and white colour tiles are the most common yet functional finishes for any environment, finished with low gloss levels that enhance the overall visual effect and add elegance to the whole.

Made-to-measure finishes are available on request. Contact your local vektron consultant to discuss the possibilities.



vektron ceiling rafts acoustics & lighting

Any vektron ceiling raft can be equipped with kreon's lighting and acoustic absorption to meet the comfort needs in modern office environments.

Every vektron ceiling raft is provided with soundtex acoustic fleece and mineral wool. In combination with a full perforation (RD1821) the absorption level increases and provides perfect absorption, combining optimal auditive comfort with the flexibility of a freehanging vektron ceiling raft.

> High quality luminaires can be equipped into the vektron ceiling rafts to illuminate office spaces and to yield optimal work environments. vektron ceiling rafts are available with four to six high efficient kreon aplis 60 downlights with flood reflector.

These luminaires simply need to be clipped on the ceiling tile on site and ensure a minimum lux level of 500lx (measured at table height) with a UGR of <19.



Acoustics

Lighting

1800 x 2400mm

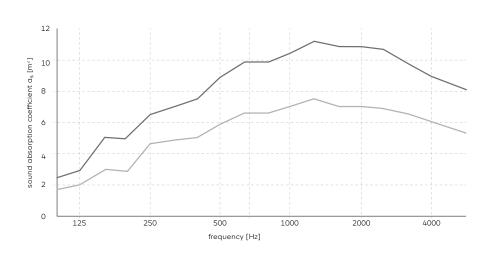
vektron ceiling rafts acoustics

	● 1800 x 2400mm	1800 x 3600mm		
Frequency [Hz]	Sound absorption coefficent a _s [m ²]			
125	2,0	2,9		
250	4,4	6,5		
500	5,9	8,8		
1000	6,9	10,4		
2000	7,1	10,6		
4000	6,0	9,0		

Measured in accordance with EN-ISO 354:2003

1800 x 3600mm





Ceiling type	ceiling raft
Panel type	clip-in
Perforation	full perfo, RD1821 round, Ø1,8mm diagonal pitch: 2,47mm perfo open area: 21%
Tested with	Soundtex on backside + mineral wool in PE-foil 80/50
Volume reverberation room	214m ³

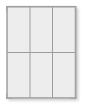


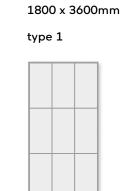


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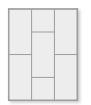
1800 x 2400mm

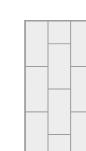
type 1





type 2





type 2

type 3

type 3



panels fitted with acoustic soundtex and extra mineral wool (35mm; 35kg/m³)





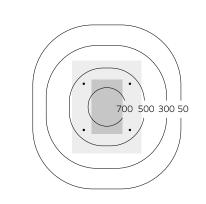
vektron

ceiling rafts lighting

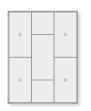
1800 x 2400mm

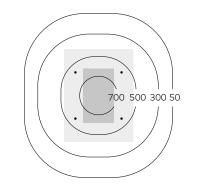
type 1





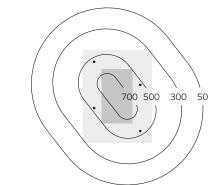






type 3





Perforated cassette panels	fitted with acoustic soundtex and extra mineral wool (35mm; 35kg/m³)
Luminaires	4 kreon aplis 60 downlights with flood reflector, 3000K, 4x12W, UGR<19
Guaranteed lux level	≥500lx at table height
(raft at 2m above table surface)	

1800 x 3600mm

type 1

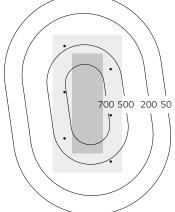






type 3

0		
	0	
0		
	0	
0		
	0	



Perforated cassette panels	fitted with acoustic soundtex an
Luminaires	6 kreon aplis 60 downlights with
Guaranteed lux level	≥500lx at table height
(raft at 2m above table surface)	

14

700 500 200 50

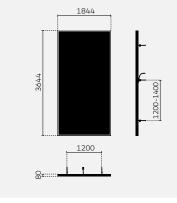


nd extra mineral wool (35mm; 35kg/m³) th flood reflector, 3000K, 6x12W, UGR<19

ceiling raft 1800x2400mm		Colour Base reference
	ceiling raft, type 1 LxW 1800 x 2400mm	O <u>VK918111</u>
1844	LxW 1800 x 2400mm	• <u>VK918112</u>
4 C	ceiling raft, type 2 LxW 1800 x 2400mm	O <u>VK918121</u>
2444	LxW 1800 x 2400mm	• <u>VK918122</u>
	ceiling raft, type 3 LxW 1800 x 2400mm	O <u>VK918131</u>
1200		• <u>VK918132</u>
®IIIII		O <u>VK918311</u>
	LxW 1800 x 3600mm	• <u>VK918312</u>
ceiling raft 1800x2400mm	ceiling raft, type 2 LxW 1800 x 3600mm	O <u>VK918321</u>
.600. 1200		VK918322
	ceiling raft, type 3 LxW 1800 x 3600mm	O <u>VK918331</u>
	LXW 1800 x 3600mm	• <u>VK918332</u>

ceiling raft 1800x3600mm

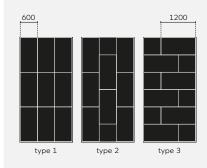
type 1



type 2

type 3

ceiling raft 1800x3600mm



RD1821 perforation



vektron white, gloss ≤ 6%



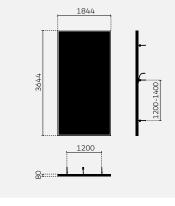
RAL 9004, gloss ≤ 3%



ceiling raft 1800x2400mm	aplis	5 60	Colour	Base reference	<mark>9030</mark> 3000K, CRI90 ① <u>90TW</u> tunable white, CRI90 ②	A light solution type A: aplis 60
		ceiling raft, type 1 🖲	0	VK 918111	• •	•
1844		LxW 1800 x 2400mm Gear: DALI incl.	•	<u>VK918112</u>	• •	•
4	C 004	ceiling raft, type 2 ① LxW 1800 x 2400mm Gear: DALI incl. ceiling raft, type 3 ① LxW 1800 x 2400mm Gear: DALI incl. ceiling raft, type 1 ② LxW 1800 x 3600mm	0	<u>VK918121</u>	••	•
2444	1200-1400		•	<u>VK918122</u>	• •	•
	ſ		0	<u>VK918131</u>	• •	•
1200			•	VK 918132	• •	•
			0	<u>VK918311</u>	• •	•
		Gear: DALI incl.	•	<u>VK918312</u>	••	•
ceiling raft 1800x2400mm		ceiling raft, type 2 🛛 LxW 1800 x 3600mm	0	<u>VK918321</u>	••	•
. 600 . Ø60	Gear: DALl incl.		•	VK 918322	• •	•
		ceiling raft, type 3 🛛	0	<u>VK918331</u>	••	•
• • • • •			•	VK918332	• •	•
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ceiling raft 1800x3600mm

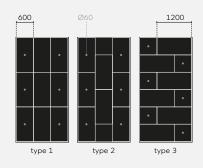
type 1



type 2

type 3

ceiling raft 1800x3600mm



	CRI	ССТ	Wattage	Drive current	Fixture lumen
1 LED	CRI90+	3000K	12W	350mA	1270lm
2 LED	CRI90+	2700K-5000K	2x12W	300mA	8901m

REM	IARKS
1	circuit
22	circuit

2 2 circuits

IP40



RD1821 perforation

18

vektron white, gloss ≤ 6%



RAL 9004, gloss ≤ 3%



vektron ceiling solutions

Ceilings usually have an indistinctive character in the space surrounding us. In daily life, as well as in architecture, they are seldom noticed. vektron ceiling solutions will make these anonymous surfaces come alive: structure, relief and symmetric shadow gaps support the architectural rhythm of space whilst creating effects like rest, order... and even chaos.

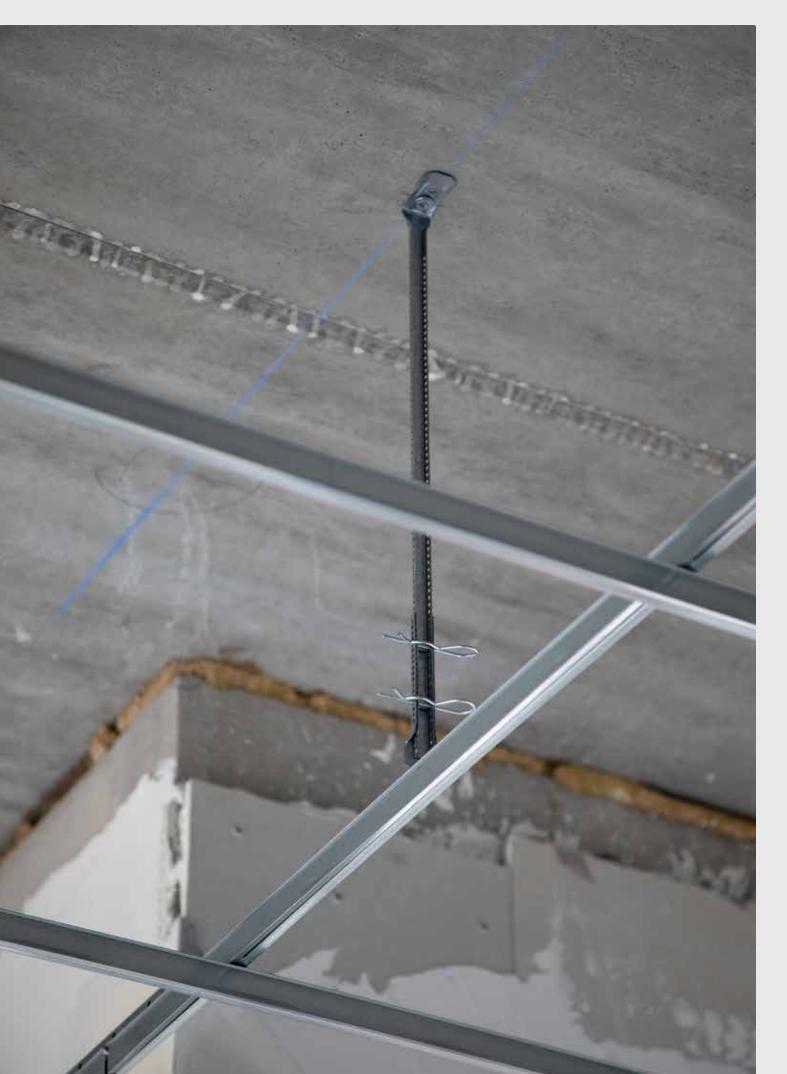
vektron integrated ceiling solutions are one-of-akind custom-made comfort solutions, produced and installed with the greatest attention to detail, created at the specific request of the client for a specific space. These are individual works of artisanship that require detailed design, proper planning, careful production and precise installation, "à la tête du client."

vektron metal ceilings can be arranged and customised to match your vision perfectly. We offer a wide choice of tile dimensions, materials, colours, finishings, perforations, accessories and options.





vektron ceiling solutions



Design	vektron creates and desi give every space its own
Integration	vektron systems offer full comfort systems:
	 Acoustic solutions (sound absorption & at - Lighting (ambient lighting, dow Ventilation & Climate c Audio (highly efficient i
	vektron products are 100 other and not only meet standards but also excee
Project management	At every stage of your proposition of contact for all po You can count on our ful
	- Initial design and spec - Planning and coordina - Execution
	Our consultants work on kind: from stadiums, airp projects and beyond.
Environment	vektron ceiling solutions results you need for your energy savings with high simplifying waste manage enhancing indoor enviro acoustics. vektron ceiling LEED compliant.

igns ceiling systems that unique personality.

l integration of all building

ttenuation)

vnlights, projectors, ...) control (cooling & heating) integrated speakers)

% compatible with each the relevant building ed them in many cases.

roject, we can be the single parties involved. Il support during:

cifications ation

applications of every ports, offices, to healthcare

s deliver the environmental r projects, from achieving hly efficient LED luminaires, gement by recycling, and onmental quality with g solutions are BREEAM and

ceiling solutions vektron

Lighting

The perfect integration of luminaires within vektron ceilings brings a meaningful dimension of functionality and discretion to the spaces that surround them.

Applications

- General lighting
- Workspace lighting (UGR<19)
- Spot lighting
- Linear lighting
- Wallwashing

Technique

- Pre-assembled
- Pre-wired (3m cable + 3-/5- pole connection)
- Matching tile colours

Emergency

- Emergency lighting
- Signs



Architect Plan₇6 Radermacher & Schoffers Architectes Photographer Serge Brison



ceiling solutions vektron



Climate ceiling

Ventilation

Invisibly and unobtrusively integrated in vektron ceiling solutions, the climate ceiling generates a comfortable, healthy and clean indoor climate.

Advantages

- Increased perception of comfort (PPD -11%) compared to traditional systems.
- installations.
- Fanless operation (no moving parts)

Technique

- heat exchanger
- Hydraulic connection with flexibles

Output

Ventilation has become an essential part of any building design. The provision of air diffusers within the vektron ceiling solutions family provides an elegant answer to a service integration which is often problematic in appearance and difficult to harmonise.

Types

- In-tile
- On-tile
- Between-tiles

Purpose

- Supply
- Extraction

No draught and perceived temperature difference - Operates at low temperature differential (H/C)and is compatible with heatpumps & geothermal

- Activation of ceiling by WLT technology with CU/AL

- Cooling: 106,3W/m² (according to DIN EN 14240) - Heating: 101,5W/m² (according to DIN EN 14037)

ceiling solutions vektron

Acoustic comfort

Audio

Suspended ceilings have a considerable influence on the acoustic performance of a space and should be designed in such a way as to address the aural demands of the occupants within.

vektron systems offer full integration of all building comfort systems:

Sound absorption

- Standard acoustic fleece
- Optional sealed mineral wool inlay
- Absorption factor up to 0,9
- Different perforation types and perforation fields

Sound attenuation

- Sound attenuation up to 47 dB
- Optional gypsum inlay 9,5/12,5mm

vektron ceilings offer a complete range of invisibly integrated speakers. Connected directly or wireless to any audio source, like computers, building automation systems, smartphones or tablets.

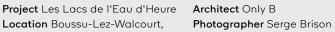
Technique

- Pre-wired
- DIN rail amplifier
- Bluetooth connected interface

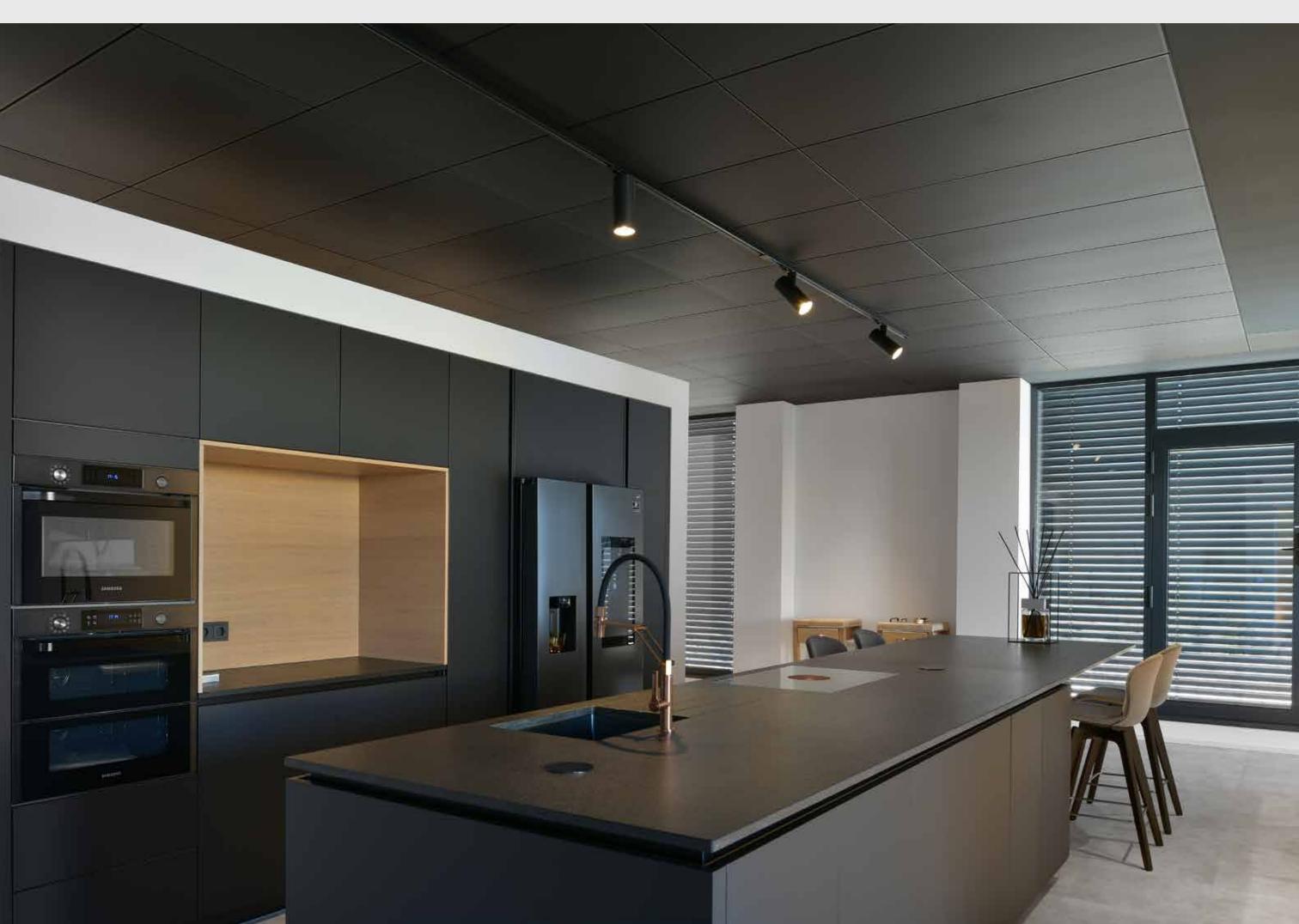


Location Boussu-Lez-Walcourt,

www.kreon.com/vektron



vektron ceiling solutions



Architect CLK Photographer Serge Brison

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