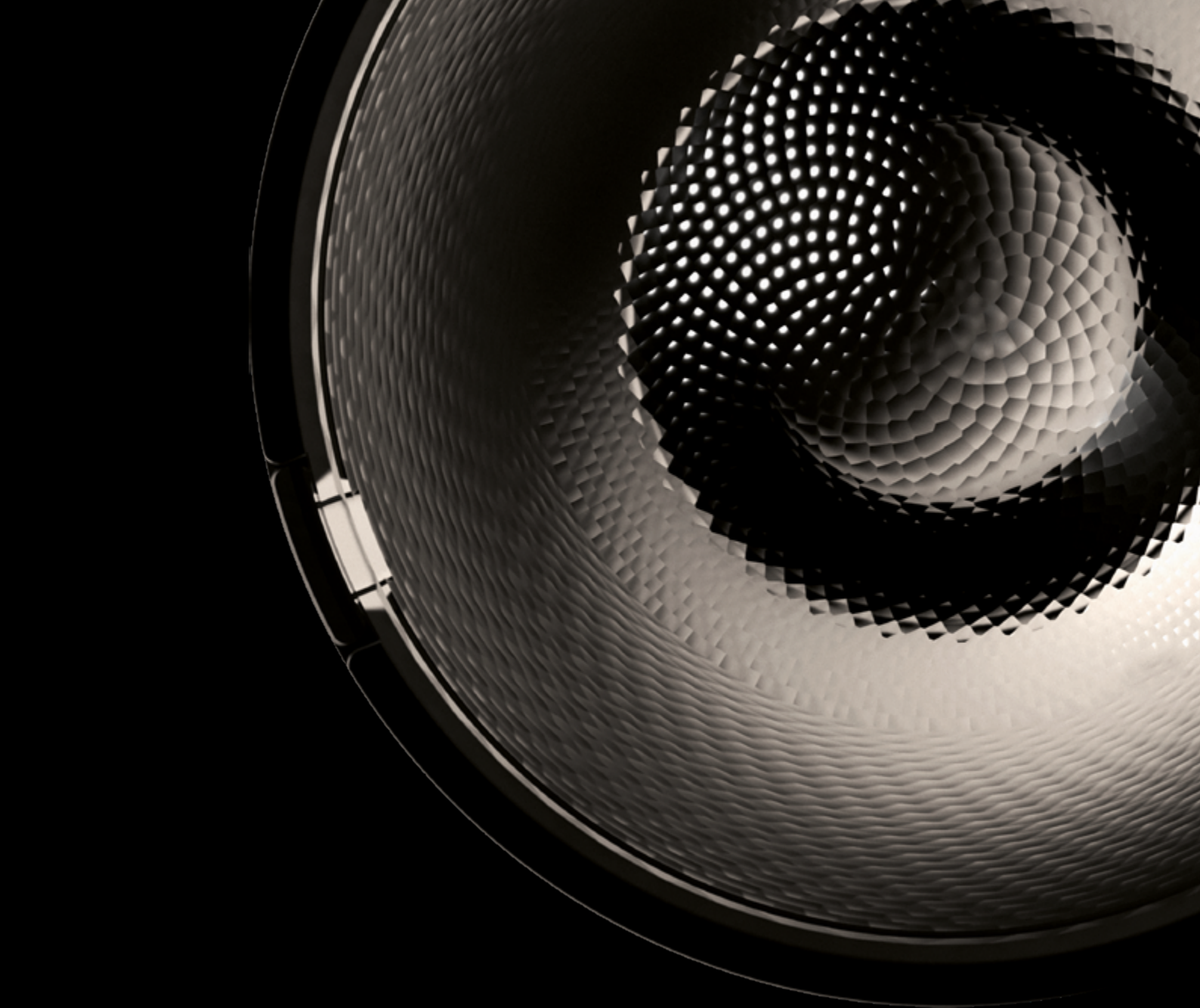




MATTER OF LIGHT

KRAAB
SYSTEMS

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VALUES

About people and for people

Every product has people behind it: those who create it and those who use it.

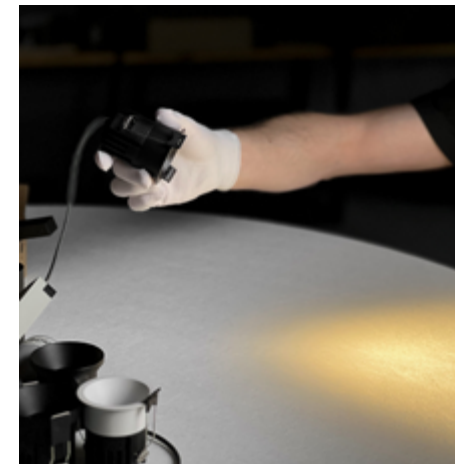
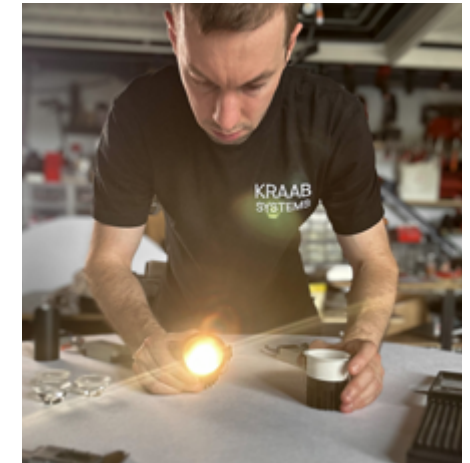
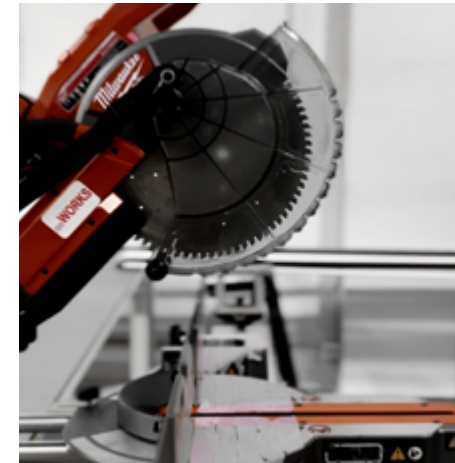
People inside

Today designing high-quality light sources is impossible without a solid understanding of the light spectrum, LED technologies, thermal management, optics and materials. That is why we place great value on a development team with the necessary expertise, experience and - above all - the drive to make a difference.

People outside

The first step in lighting design is to picture real people for whom the light is created - whether a client, designer, site manager or craftsman. We study their needs, tasks and concerns, and we find solutions.

Our path is R&D development. This is a difficult path, but, in our opinion, it is the only way to create a truly high-quality product with the required qualities and performance. KRAAB SYSTEMS is a high-end lighting system.

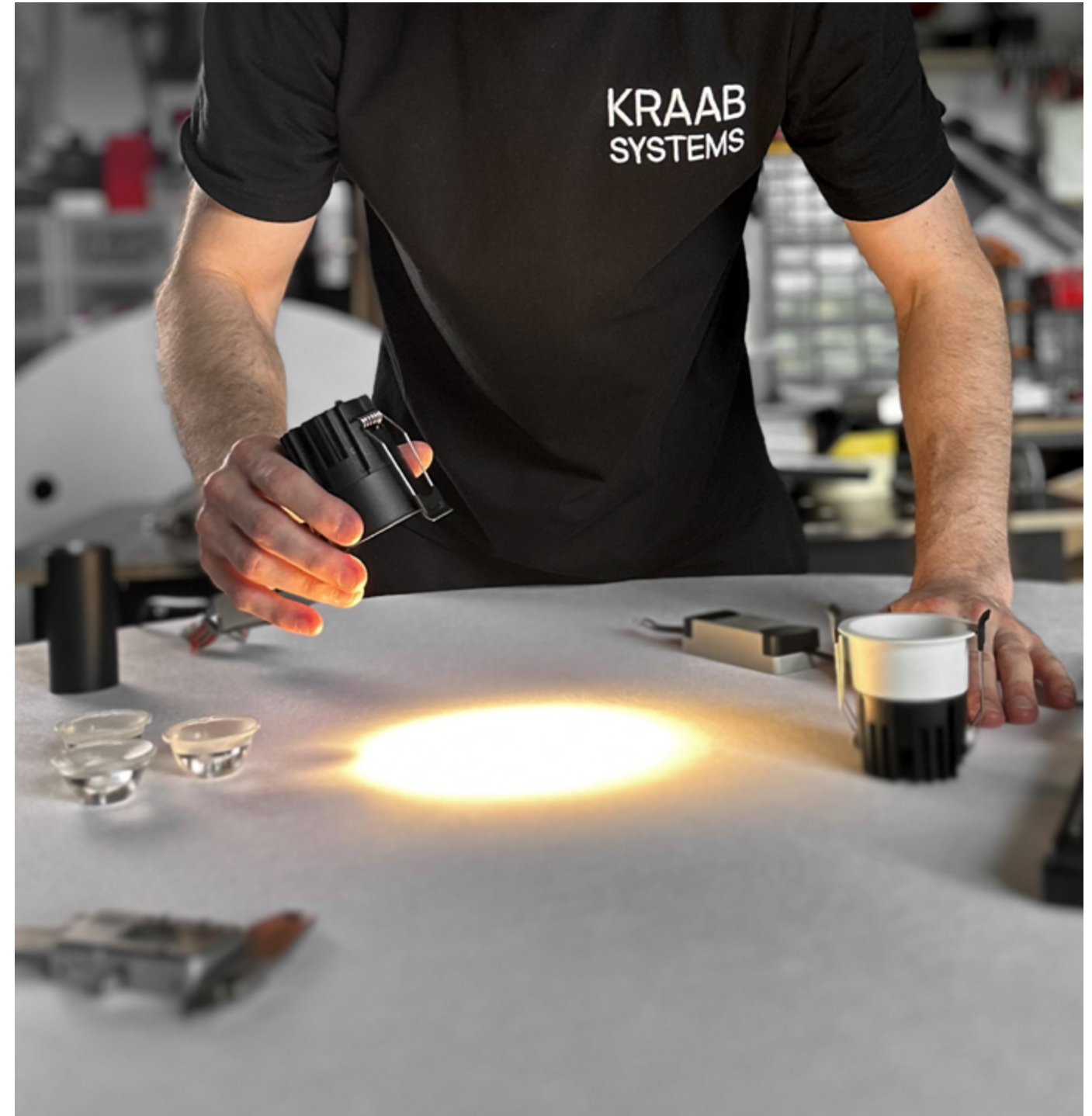


MATTER OF LIGHT

Light is a wave, an emission. And this is also material for us. From our perspective, light has weight, texture, size, and cost. Light is a combination of elements, history, technology and design. It's tangible, and you can hold it in your hands.

Our in-house engineering division and production site are the main assets of KRAAB SYSTEMS.

This allows us to remain flexible, respond quickly to new challenges, test hypotheses, and experiment with materials. Our love of learning and visual experience allows us, if not to strive, then at least to become the best lighting company.



FULL SPECTRUM

CRI

Colour Rendering Index (CRI, Ra) is one of the key characteristics of a light source. Introduced in 1965, it was intended to differentiate light sources (types of lamps) with the same colour temperature as they conveyed light differently.

The limitation of the CRI method is that it does not consider colour saturation. As a result, light sources with different lighting spectrum - appearing either duller or more vivid - may share the same CRI value. Moreover, an exceptionally high CRI does not necessarily guarantee visual comfort.

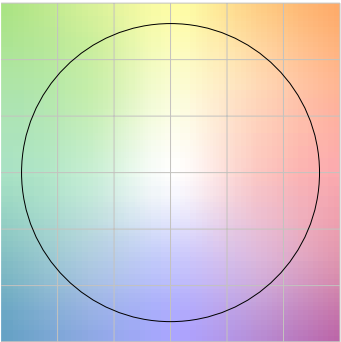
Today, however, the relevance of this factor has decreased significantly.

Therefore, we suggest to stick to a new standard for determination of colour rendition IES TM-30.



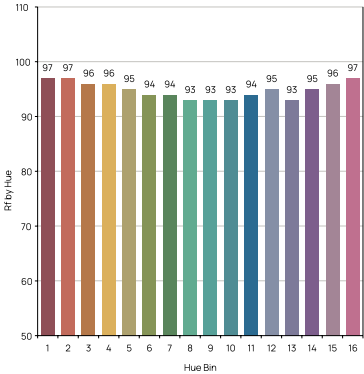
IES TM-30 STANDARD

It is not mandatory for implementation in any country in the world. However, its voluntary use will allow customers to make a more conscious choice now.



PRECISION (Rf)

It shows how 99 colours match under the tested light source. Rf is conceptually similar to CRI, but it more reliably determines colour-rendering accuracy by using a larger set of samples. Rf is strictly within range from 0 to 100, where 100 corresponds to the highest accuracy. Measurements under the new standard show that CRI and Rf typically differ by no more than 10 points; in most cases, with rare exceptions, CRI is higher than Rf.

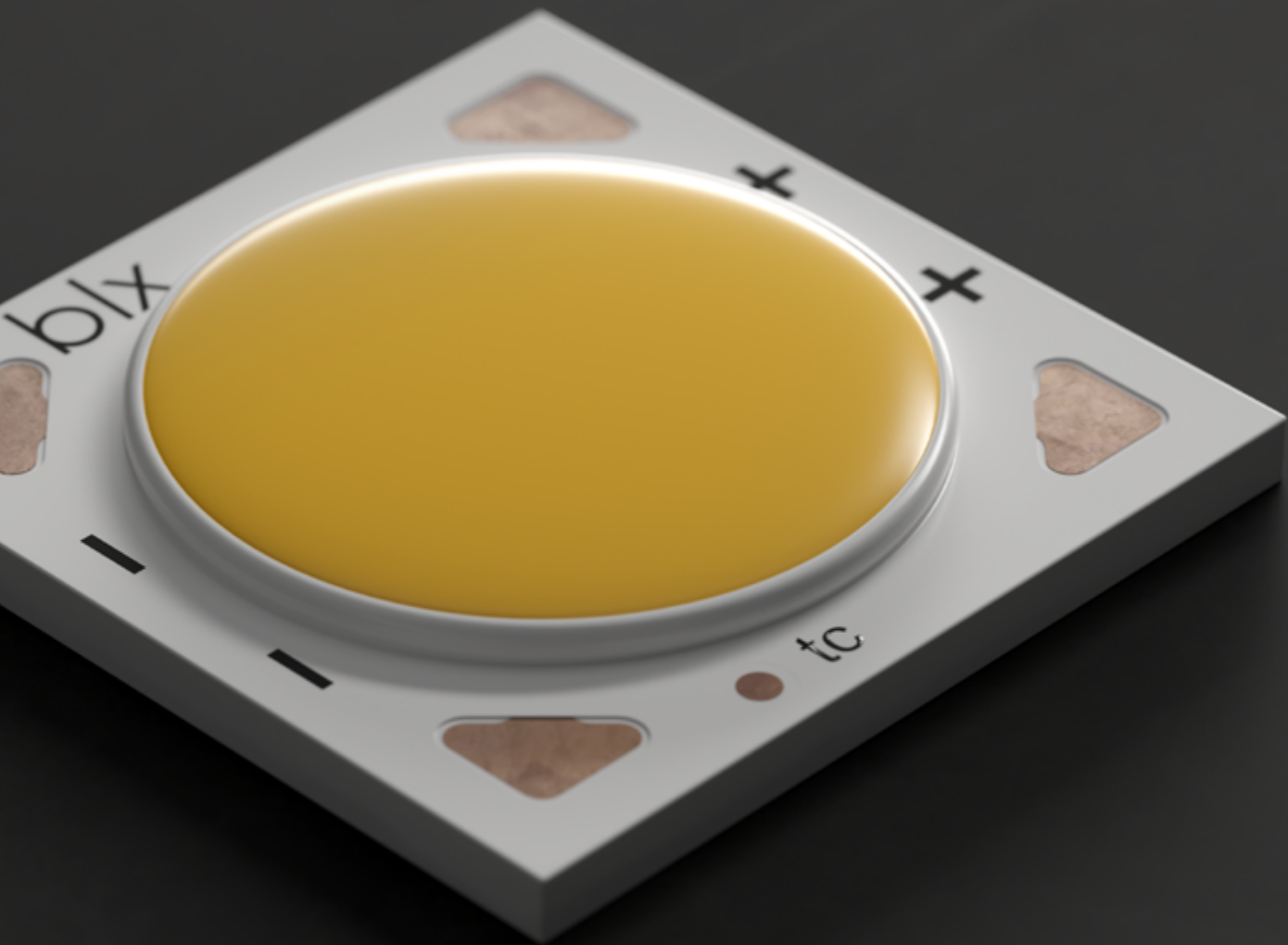


SATURATION (Rg)

It shows the saturation of those colours. Typical saturation corresponds to Rg = 100. If colours appear more faded than under the reference source, then Rg < 100. If saturation increases, then Rg > 100.

Note that measurements use not only colour samples, but also everyday objects.



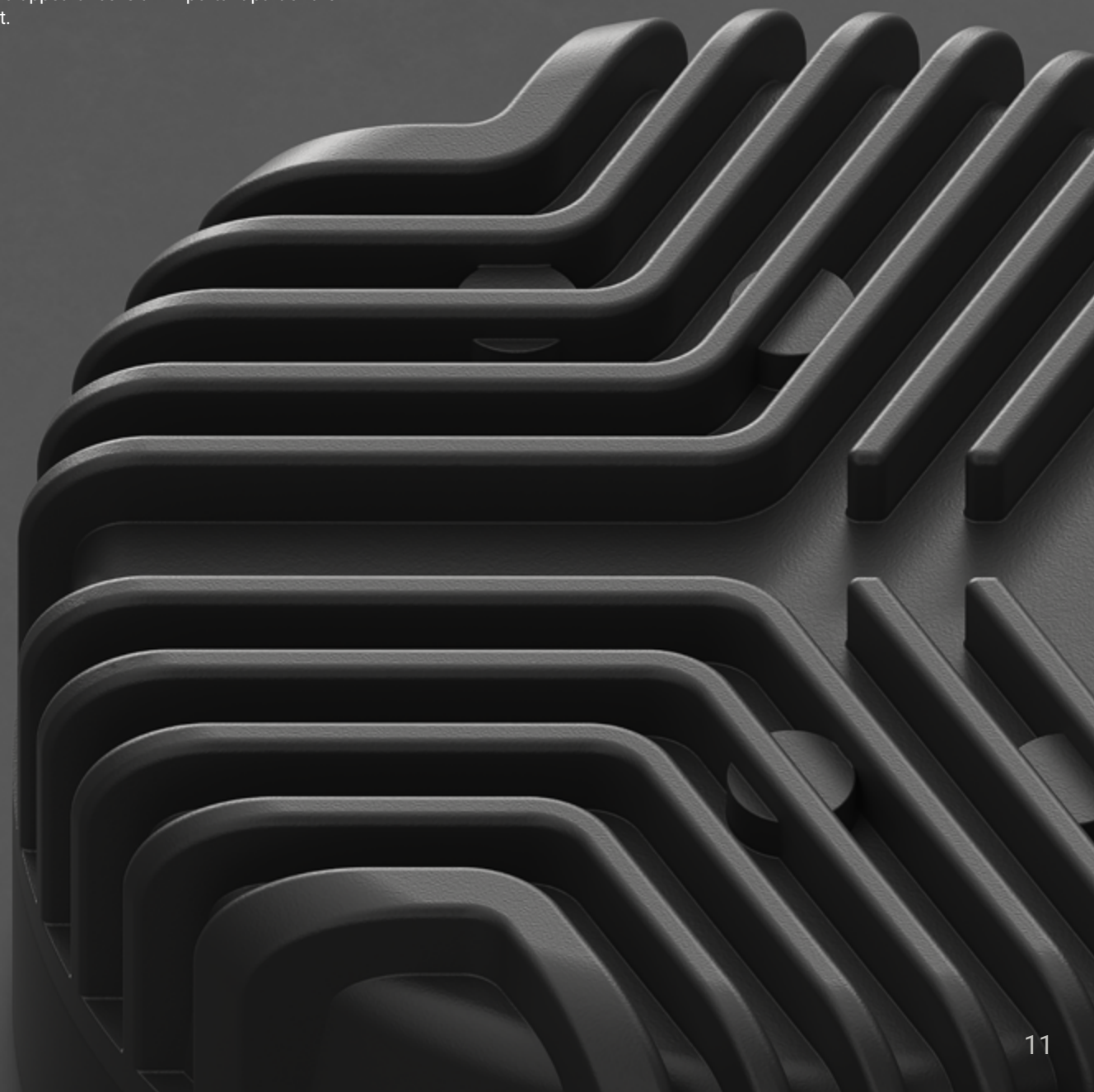


LED TECHNOLOGIES

It is only possible to guarantee the quality of light if you have a deep understanding of technologies and cooperate with reliable manufacturers. LED lighting is a world of innovation. In our products, we use LEDs from leading manufacturers - Bridgelux and Osram, focusing on the latest generation of developments.

HEATING DESIGN

The luminaire service life directly depends on the LED cooling. A responsible approach to the design of radiators in terms of efficiency and appearance is an important part of the development.





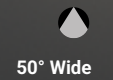
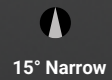
VISUAL COMFORT

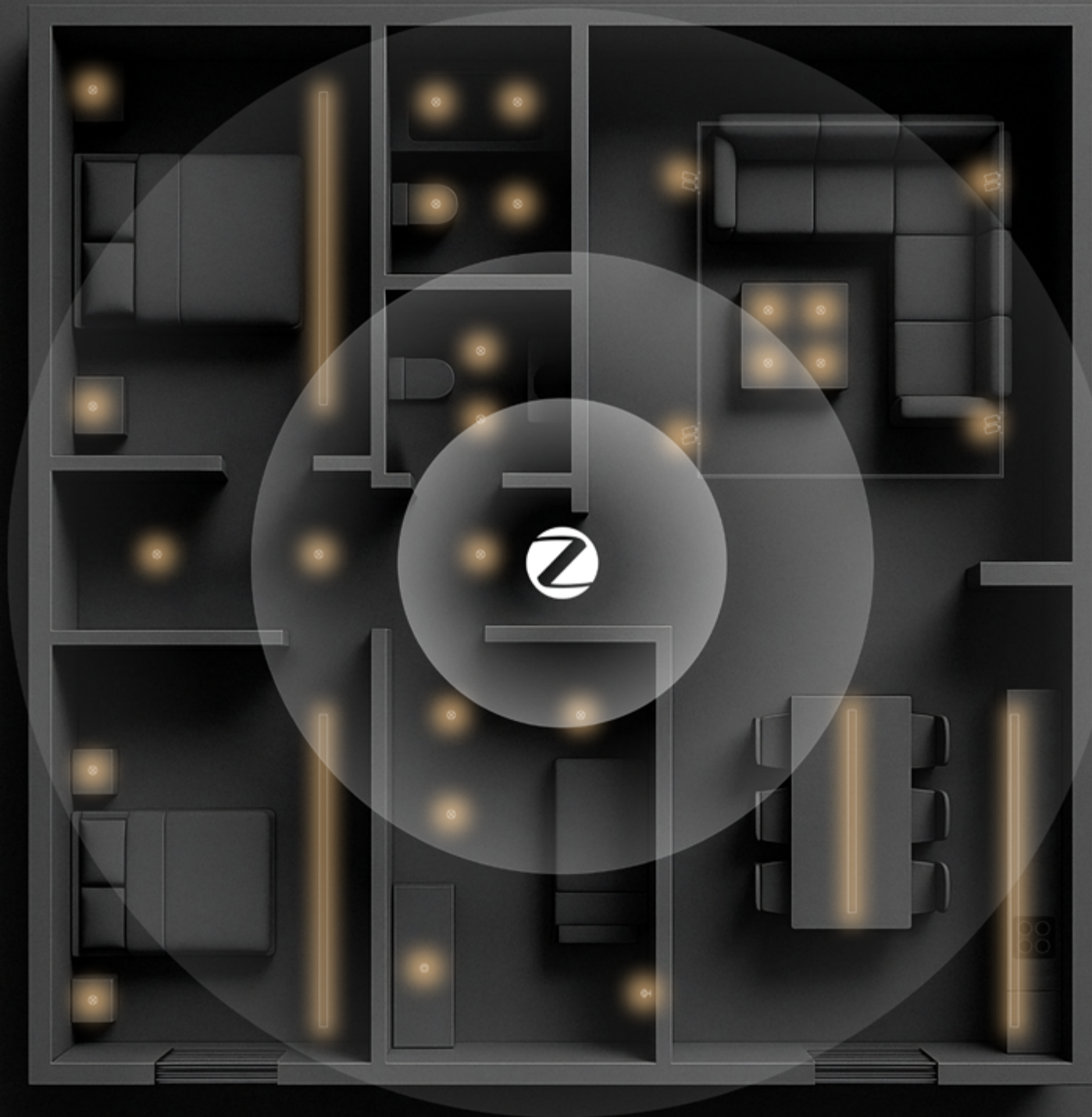
LEDs, optics and the luminaire body are the minimum required to create a quality product. A fine balance between knowledge and experience, technology and form leads us to the result.

X-BEAM lenses reduce glare while maintaining the main luminous

flux. The honeycomb light filter puts the final point delivering high factors of the protective angle of light.

Attention to the smallest details improves the perception of space and makes the atmosphere as comfortable as possible.





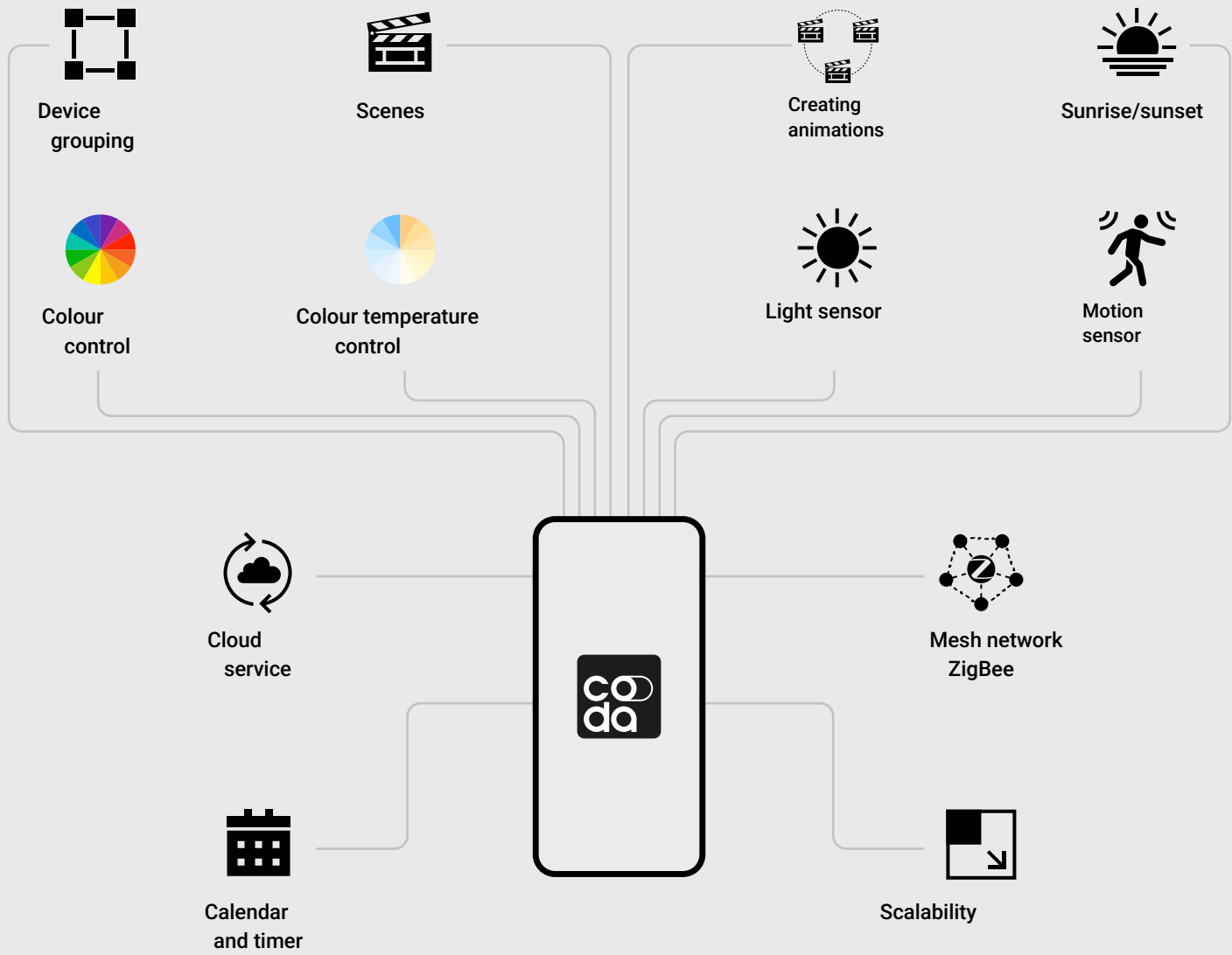
ZigBee

THIS IS A WIRELESS TECHNOLOGY DESIGNED TO CONTROL LIGHTING AND OTHER DEVICES IN SMART HOMES. IT PROVIDES RELIABLE AND EFFICIENT INTERACTION BETWEEN THE COMPONENTS OF THE SYSTEM, ALLOWING USERS TO CONTROL THE LIGHTING WITH A MOBILE APP OR VOICE COMMANDS.

One of the main advantages of ZigBee is its low power consumption, which makes devices based on it durable and economical. The second important aspect is a high level of security provided by data encryption and device authentication. The third advantage is the ability to build networks with a large number of connected devices,

so the system can be extended whenever needed. The fourth is simple installation and setup, which makes ZigBee an ideal choice both for professionals and for users without special training. Finally, the fifth advantage is flexibility in use, allowing ZigBee to be integrated with other automation and control systems.

CONTROL
CAPABILITIES



Device grouping

Lets you combine several light sources into one controllable group, which simplifies setting up and managing the lighting in different zones of a room.



Scenes

Users can set up different lighting scenes for particular occasions or moods - a party, a film or reading - and switch between them instantly.



Creating animations

This function creates dynamic lighting effects, such as smooth colour transitions or flicker, adding expression and atmosphere to a space.



Sunrise/sunset

Imitates the natural cycle of light, gradually raising or lowering it, so users wake up and fall asleep gently and sleep better.



Colour control

Lets you change the colour palette of the lighting, so users can adapt the atmosphere of a room to their preferences and mood.



Colour temperature control

Lets you adjust warm and cool light, helping to create a comfortable setting for work, rest or entertainment.



Light sensor

Automatically adjusts the level of artificial light according to the daylight in the room, providing optimal conditions for work and rest.



Motion sensor

Switches the light on and off automatically when motion is detected, which saves energy and makes everyday use more convenient.



Cloud service

Gives access to the lighting over the internet, so users can control their devices from anywhere and receive updates on the state of the system.



Calendar and timer

Lets users schedule the lighting to switch on and off automatically, which helps to build habits and save energy.



ZigBee mesh network

Builds a reliable communication network between devices, providing a stable connection and control of a large number of devices without losing signal quality.



Scalability

The system is easily extended with new devices and functions, adapting to the changing needs of users and to new technology.



2

3

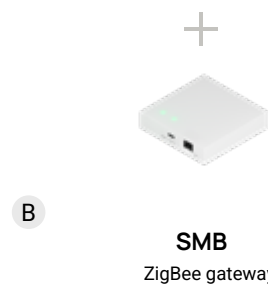
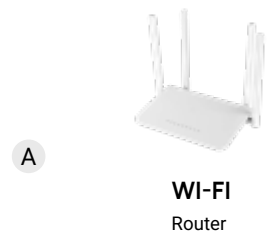
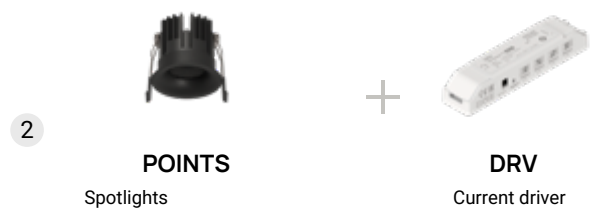
4

1

B

A

C



1 GRAFFIT

To make a GRAFFIT track system controllable, use the CRL 48 V controller, which is installed between the power supply and the track system itself. The GRAFFIT luminaires must then be PWM-dimmable.

2 POINTS

POINTS spotlights become smart with the DRV current driver, which is controlled over the ZigBee protocol. Every luminaire can then be dimmed individually and combined into groups to create your own lighting scenes.

3 POWERLINE AND ZEN

The POWERLINE and ZEN ranges run directly on 220 V and are TRIAC-dimmable by default. To control them together with the other systems over the ZigBee protocol, add the DIM TRIAC dimmer between the 220 V supply and the lighting equipment.

4 PIXIE

To control PIXIE LED strips of the SMD, COB, DTW and RGB types, use the CRL 24/48 V controller. The voltage is chosen according to the strip you buy. The controller is installed between the power supply and the LED strip.

A WI-FI ROUTER

Required to set up a smart home, for the initial configuration and for control over the internet.

B SMB ZIGBEE GATEWAY

Connects to the Wi-Fi router. It provides communication with and control of the devices working over the ZigBee protocol. This is the head device and it is mandatory.

C SMARTPHONE / PNL

The light is set up and controlled from a smartphone. For convenience you can also buy a wireless panel that launches all the scenes you have set up.

TECHNOLOGY DIM TO WARM

Colour temperature 1800K at 0.1% light intensity and 3000K at 100%.



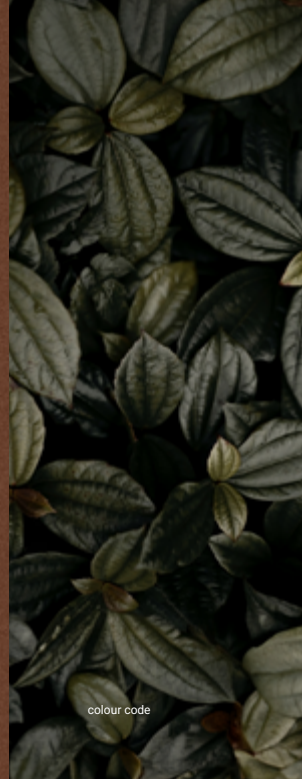
SMOOTH ADJUSTMENT OF LIGHT INTENSITY

Equal colour temperature at gradual increase of the light flux from 0.1% to 100%.





RAL 8004
Terra Cotta



colour code

RAL 7009
Ash Green



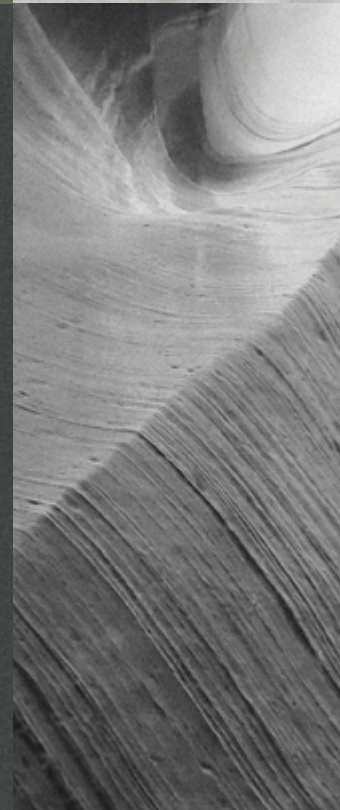
RAL 9003
White Sand



RAL 9005
Coal Black



RAL 7024
Deep Graphite



RAL 7045
Cloudy Grey

NATURAL COLOURS

In a world of technology, robotics, high-tech and information flows, we want to return to the origins - natural motifs and natural colours. Each of the six shades complements a lighting composition in the interior.

GRAFFIT

An integrated approach to development has led us to creation of a model range that covers all current interior needs. The unifying features of GRAFFIT low-voltage tracks are an individual design of the visible part, continuity in details, compactness in height, a unique colour range of luminaires, convenient and technological installation to any type of ceilings and walls.

GRAFFIT system operates on a constant voltage of 48 V, has a compact R-FIX adapter, replaceable decorative parts of luminaires and light control.



GRAFFIT TRACKS

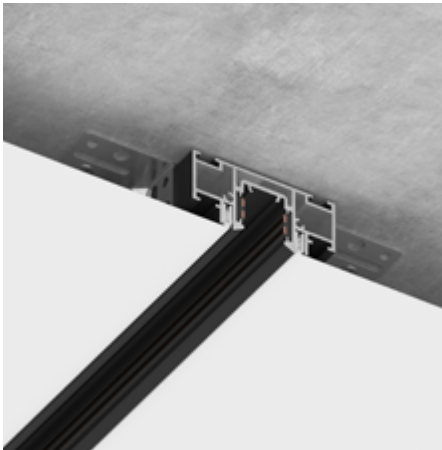
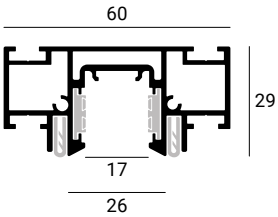
The model range includes a track for stretch PVC and fabric ceilings (RS), a track for drywall installation (RG), a compact suspended or surface-mounted version (SP), and a double track with an upper longitudinal light line (PUD).

Types of tracks



RS TRACK FOR STRETCH CEILING

Built-in track system for stretch ceilings. A special canvas fixator - a damper - is the company's own development. This type of fixation is universal and allows you to install the system in both PVC and fabric ceilings. RS track has a solid and compact design. The entire range of GRAFFIT luminaires fits into it.



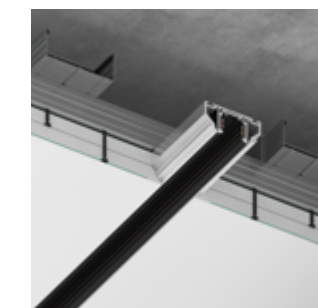
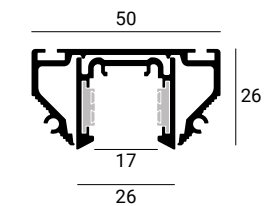


RG TRACK FOR DRYWALL

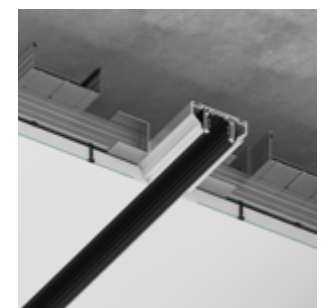
RG is a revolution! With all our modesty... The system solves the main challenge of installing built-in track in drywall. By removing the finished track from the painting process, we create a technology that minimises the human factor and allows the track system to be serviced.

The structure is divided into two parts: a draft embedded with a protective insert-calibrator, which ensures preservation of the installation gap while drying; a clean track, which is installed after all painting processes are completed.

The technology is patented.



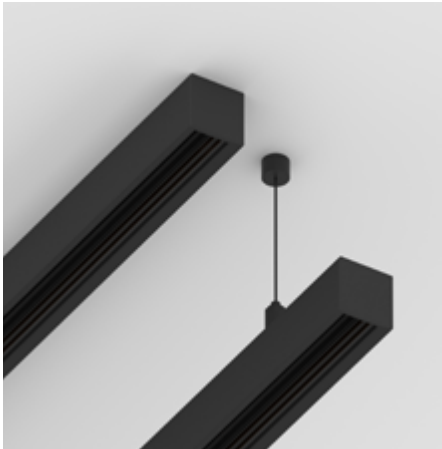
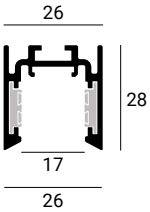
Installation in two layers of drywall



Installation in one layer of drywall

SURFACE OR SUSPENDED SP TRACK

48V track system in a compact design for suspended or surface-mounted installation. The track structure includes adjustment gears and a special groove for connecting the system in a straight line or at corners.

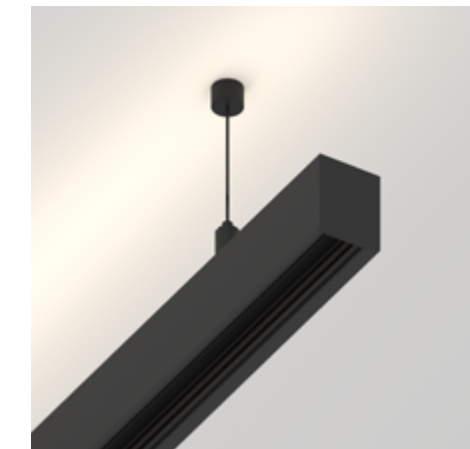
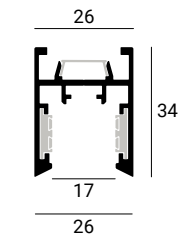




PUD TRACK AND LIGHT LINE

Light to see or light to explore? This unique system has a two-sided structure and solves both of these problems. The upper part contains a light line, providing soft, reflected lighting of the space. The lower part is a standard track system for placing accent lighting.

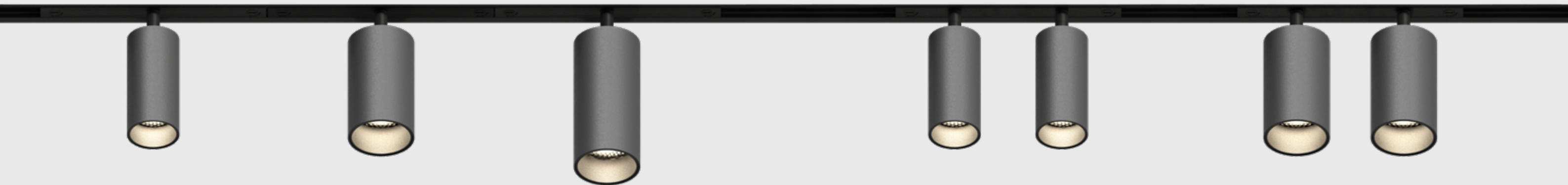
The system has a suspended structure with adjustment gears. In some cases, it can be installed by the surface-mounted method, avoiding lighting in the upper part.



GRAFFIT LUMINAIRES

The model range consists of linear luminaires and spotlights with a diameter of 40 and 50 mm, a height of 85 and 110 mm, and various powers - 6, 10 and 12 W. There are also TWIN-SPOT paired spotlights of 2x6 W and 2x10 W. The replaceable decorative parts of the luminaires are the ring and the back cover. The set can be supplemented with X-BEAM lenses with different light dispersion angles.

Types of luminaires	   
Body colour	  
Colour of accessories	     
Dispersion angle	  
Control	 

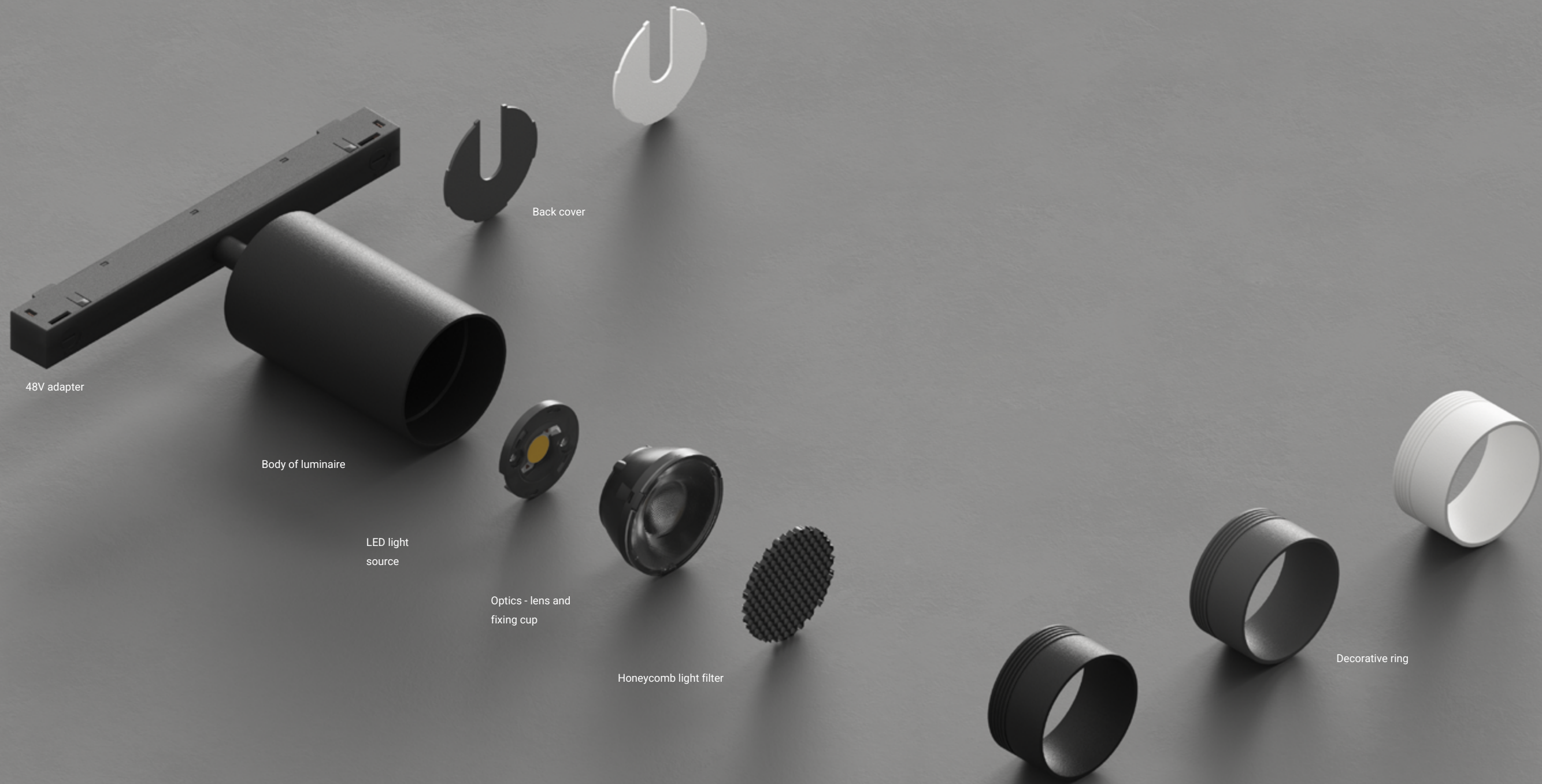


SPOT

Single luminaires with well-balanced proportions. Despite their compact size, they provide high-quality, sufficient illumination. Small and medium sizes are ideal for ceiling heights of 2.6-3.0 m, while larger sizes suit ceilings from 3.0 m and above.

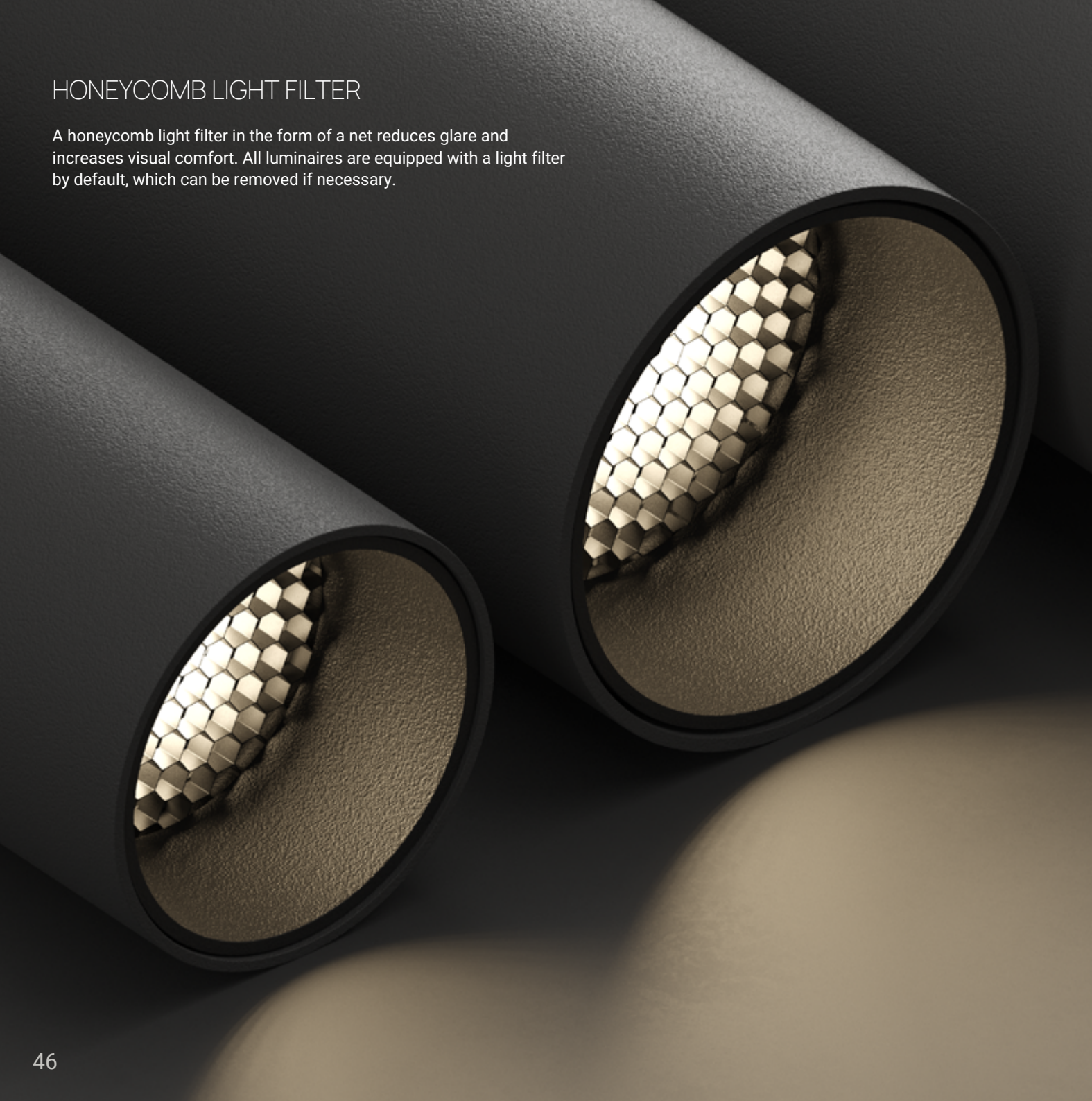
TWIN-SPOT

Even more power and light from the twin spotlights. The paired luminaires share one adapter and sit close together, which cannot be achieved with single SPOT units. In an interior they lighten the look of the ceiling and make the room visually more attractive.



HONEYCOMB LIGHT FILTER

A honeycomb light filter in the form of a net reduces glare and increases visual comfort. All luminaires are equipped with a light filter by default, which can be removed if necessary.



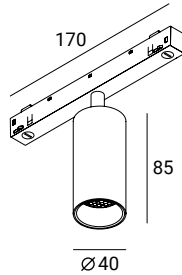
R-FIX

When developing the system, we gave preference to reliable mechanical fixation R-FIX, capable of withstanding any external influences.

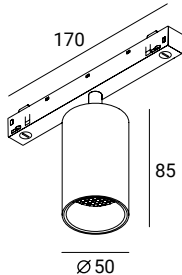


GRAFFIT

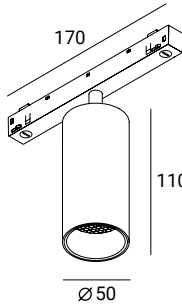
Track luminaires



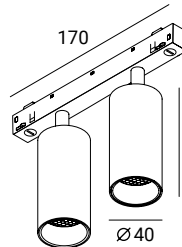
SPOT
LED 48V
6W
3000K | 4000K
CRI 90
3000K: R9 – 74.9,
Rf – 88.7, Rg – 104.2
15° | 36° | 50°
no-dim | Zigbee



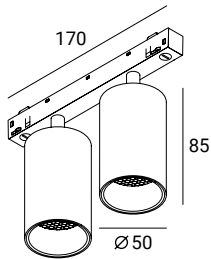
SPOT
LED 48V
10W
3000K | 4000K
CRI 90
3000K: R9 – 72.1,
Rf – 88.7, Rg – 103.7
15° | 36° | 50°
no-dim | Zigbee



SPOT
LED 48V
12W
3000K | 4000K
CRI 90
3000K: R9 – 72.1,
Rf – 88.7, Rg – 103.8
15° | 36° | 50°
no-dim | Zigbee



TWIN-SPOT
LED 48V
2x6W
3000K | 4000K
CRI 90
3000K: R9 – 74.2,
Rf – 88.7, Rg – 104.1
15° | 36° | 50°
no-dim



TWIN-SPOT
LED 48V
2x10W
3000K | 4000K
CRI 90
3000K: R9 – 73.2,
Rf – 88.8, Rg – 103.6
15° | 36° | 50°
no-dim

Decorative rings



D 40 and 50 mm
Coal Black
RAL 9005



D 40 and 50 mm
Deep Graphite
RAL 7024



D 40 and 50 mm
White Sand
RAL 9003



D 40 and 50 mm
Terra Cotta
RAL 8004



D 40 and 50 mm
Ash Green
RAL 7009



D 40 and 50 mm
Cloudy Grey
RAL 7045

Back cover



D 50 mm
Coal Black
RAL 9005



D 50 mm
Deep Graphite
RAL 7024



D 50 mm
White Sand
RAL 9003



D 50 mm
Terra Cotta
RAL 8004



D 50 mm
Ash Green
RAL 7009



D 50 mm
Cloudy Grey
RAL 7045



GRAFFIT LINE

A distinctive feature of GRAFFIT LINE luminaires is that after installation they sit slightly above the ceiling plane reducing glare and improving visual comfort. The matte acrylic diffuser has a three-sided shape, allowing to maintain high output and an aesthetic appearance.

DOT-LINE

The linear luminaire with DOT-LINE dots is almost invisible while fully performing its main function. Neat appearance, recessed lens placement and minimal glare coefficient.

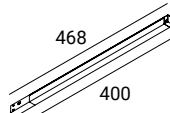
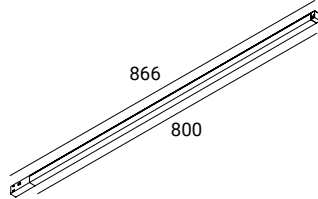
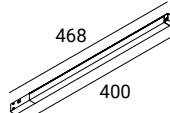
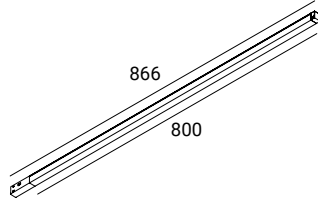
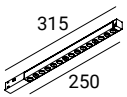
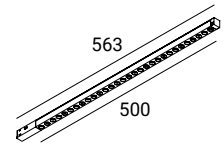


LINE IN DETAIL

The GRAFFIT LINE and DOT-LINE linear luminaires have a simple and reliable fixing system: a mechanical button on one side and a fixator with a 45° tilt on the other.

GRAFFIT

Linear luminaires

	LINE LED 48V 7W 3000K 4000K CRI 90 3000K: R9 – 62, Rf – 91.1, Rg – 100 120° pwm-dim Zigbee		LINE LED 48V 14W 3000K 4000K CRI 90 3000K: R9 – 62, Rf – 91.2, Rg – 100.2 120° pwm-dim Zigbee
	LINE LED 48V 9.5W 3000K 4000K CRI 90 3000K: R9 – 62, Rf – 91.1, Rg – 100 120° pwm-dim Zigbee		LINE LED 48V 18W 3000K 4000K CRI 90 3000K: R9 – 62, Rf – 91.2, Rg – 100.2 120° pwm-dim Zigbee
	DOT-LINE LED 48V 8W 3000K 4000K CRI 92 3000K: R9 – 59, Rf – 91, Rg – 97.8 48° pwm-dim Zigbee		DOT-LINE LED 48V 16W 3000K 4000K CRI 92 3000K: R9 – 60, Rf – 90.4, Rg – 97.5 48° pwm-dim Zigbee

POWERLINE

A simple, compact track system with convenient connection directly to 220 V.

It can be installed at any stage of the renovation - all you need is an outlet for the supply cable.



POWERLINE TRACKS

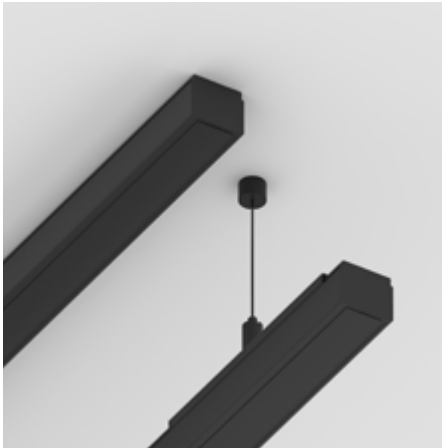
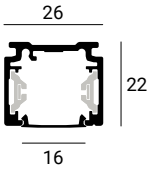
The system consists of a single main track, mounted on the surface or suspended. For installation into a stretch ceiling, the additional INTRUDER profile with a harpoon system can be used.

Types of tracks



SURFACE OR SUSPENDED SP TRACK

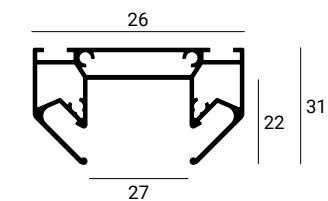
A laconic track design, compact dimensions and no need for additional power supplies make the system universal for both residential and commercial spaces.





INTR-SP FOR STRETCH CEILING

The optional profile for built-in installation into a stretch ceiling has a reinforced structure with a harpoon fixing, able to withstand the high loads of the canvas.



POWERLINE LUMINAIRES

The system takes one type of spotlight, 58 mm in diameter, 100 mm high and 10 W. The luminaires can be placed at different distances from each other, and the space between them is closed with a decorative cap. The lenses and the decorative parts are replaceable. Dimming is available and is managed with TRIAC regulators or controllers.

Types of luminaires	
Body colour	 
Colour of accessories	     
Dispersion angle	  
Control	 



POWERLINE IN DETAIL

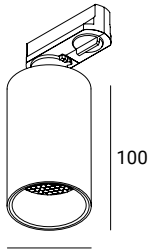
Attention to detail is what distinguishes POWERLINE. The track has a special decorative cap that closes the inner cavity of the system to create a perfect, minimalist appearance.

With the same aim we chose the most compact adapter, keeping the luminaire reliably fixed to the track.

All luminaires are fitted with a honeycomb light filter for visual comfort. The filter can be removed if necessary.

POWERLINE

Track luminaires



SPOT
LED 220V
10W
3000K | 4000K
CRI 90
3000K: R9 – 46.8,
Rf – 92.2, Rg – 97.4
15° | 36° | 50°
TRIAC | Zigbee

Decorative rings

	D 58 mm Coal Black RAL 9005		D 58 mm Deep Graphite RAL 7024		D 58 mm White Sand RAL 9003
	D 58 mm Terra Cotta RAL 8004		D 58 mm Ash Green RAL 7009		D 58 mm Cloudy Grey RAL 7045

Back cover

	D 58 mm Coal Black RAL 9005		D 58 mm Deep Graphite RAL 7024		D 58 mm White Sand RAL 9003
	D 58 mm Terra Cotta RAL 8004		D 58 mm Ash Green RAL 7009		D 58 mm Cloudy Grey RAL 7045

POINTS

Spotlights are a foundational lighting tool for any project. The combination of simplicity, refined shapes and LED power allows them to fit into any interior and space. The POINTS series can be used for primary or decorative lighting.

POINTS LUMINAIRES

The balanced model range consists of six compact recessed luminaires: 62 mm in diameter (DEEP M, ARCA M, COIN M, GLAZ M) and 77 mm (DIRECT) at 8 W, and 40 mm (GLAZ S) at 6 W. The replaceable X-BEAM lens makes it possible to change the light dispersion angle.

Each luminaire is equipped with a honeycomb light filter by default to reduce glare and create comfortable lighting of the space.

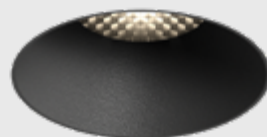
For technological installation of the frameless GLAZ S and M luminaires into a stretch ceiling without gluing, a special embedded element is required. The other models are universal for installation in any type of ceiling.

Types of luminaires	     
Types of embedded profiles	 
Body colour	     
Dispersion angle	  
Control	 



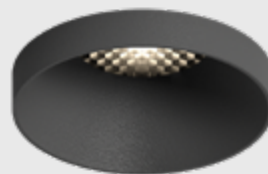
GLAZ S

Frameless luminaire with a diameter of 40 mm, installed without gluing



GLAZ M

Frameless luminaire for installation in a suspended ceiling



COIN M

Decorative luminaire with a 10 mm protruding part



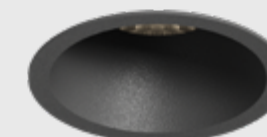
ARCA M

Decorative luminaire with inward-smoothed edges



DIRECT

Rotatable luminaire with a 20° tilt angle



DEEP M

Luminaire with a deeply recessed lens for visual comfort at sufficient illumination

NEW POSSIBILITIES

A solution in the form of double spotlights visually lightens the ceiling space. Achieving such sophistication and minimalism is due to a specially developed embedded structure. We offer an additional opportunity to go beyond the usual in modern design.





The diameter of the luminaire is 38.5 mm, the output of the luminous flux is 22 mm. It sounds fantastic! It is perfect. Functional. It has absorbed the best features of all previous solutions. This is a frameless GLAZ S. Despite its small size, it is ready to illuminate any space and be invisible.

POINTS

GLAZ S



Compact yet powerful, GLAZ S spotlights perfectly illuminate the kitchen island and adjacent spaces, creating uniform, shadow-free lighting. Their small diameter preserves the stylish and laconic look of the interior.

POINTS

GLAZ S



GLAZ S luminaires highlight the texture of objects, adding depth and expressiveness. Even with a small diameter, their power is enough to turn an ordinary detail into an art object.

POINTS

GLAZ S



Spot lighting above a bedside table or mirror replaces bulky pendant lamps - the light is bright enough, but not blinding. The bedroom atmosphere remains intimate, and the interior tranquil. The miniature size of GLAZ S allows you to place them even in compact bedrooms.

POINTS

GLAZ S

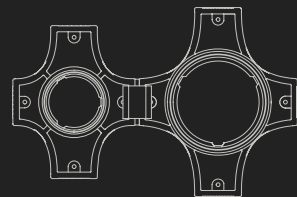
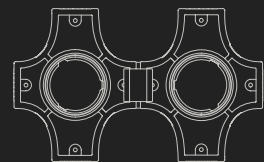
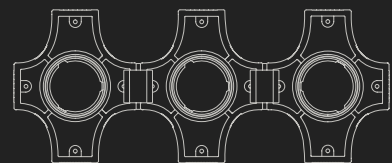
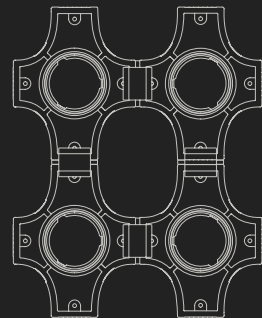
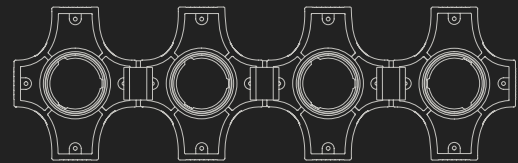


GLAZ S spotlights fit organically into narrow spaces and passage areas of corridors, providing sufficient light for safe movement. Their neutral design suits any interior.



VERSATILITY OF USE

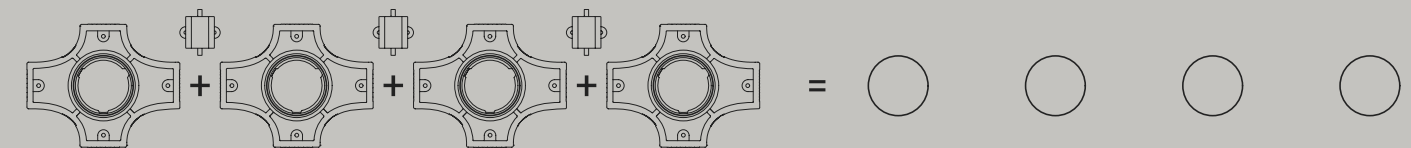
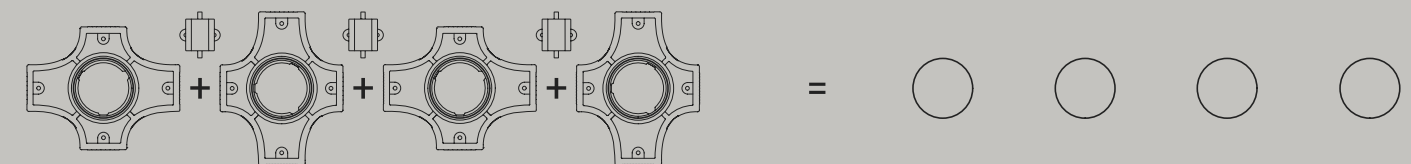
The PINCH embedded element for the frameless GLAZ luminaire now has several uses. PORT 40 and 64 is a compact, elegant and universal connector for a power outlet, for a suspension, or for both at once. PORT is a thin round plate that keeps the ceiling design perfectly consistent.



MASTER OF COMBINATIONS

To build all kinds of luminaire combinations, we designed the embedded element so that the parts can easily be joined with special strong clips. The shape of the element lets you choose the distance between the luminaires.

The distances between the embedded elements can be adjusted by turning the parts the required way. For PINCH 64 the centre-to-centre distances are 107, 117 or 127 mm, and for PINCH 40 they are 83, 93 or 103 mm.



NEW INSTALLATION TECHNOLOGY

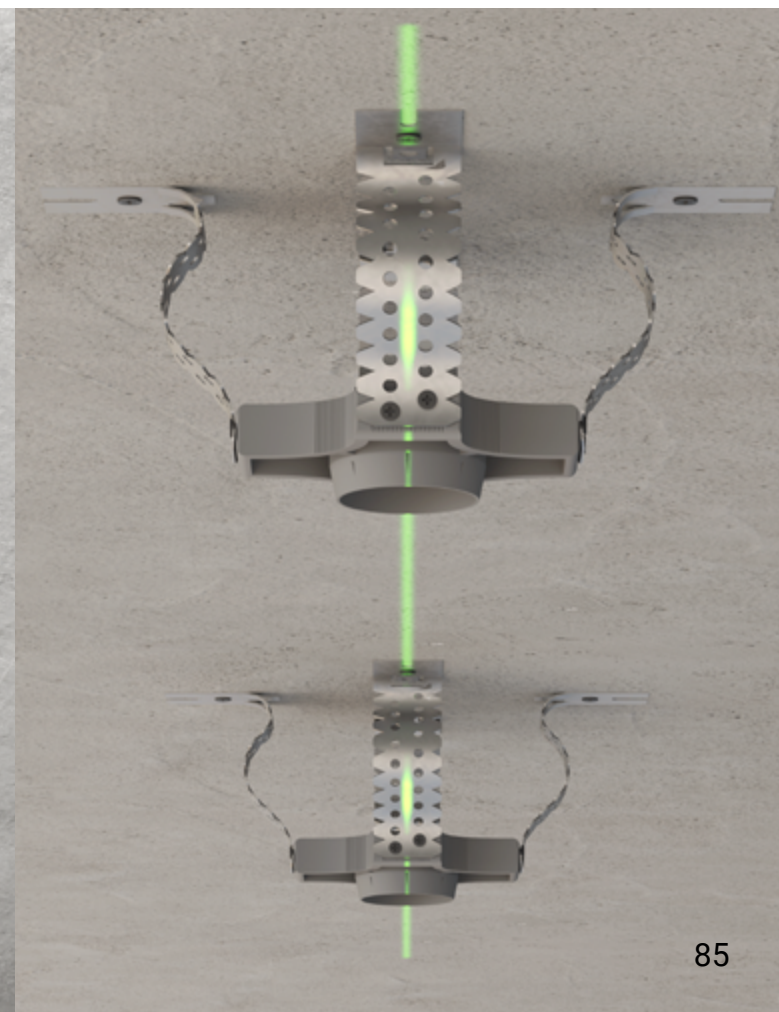
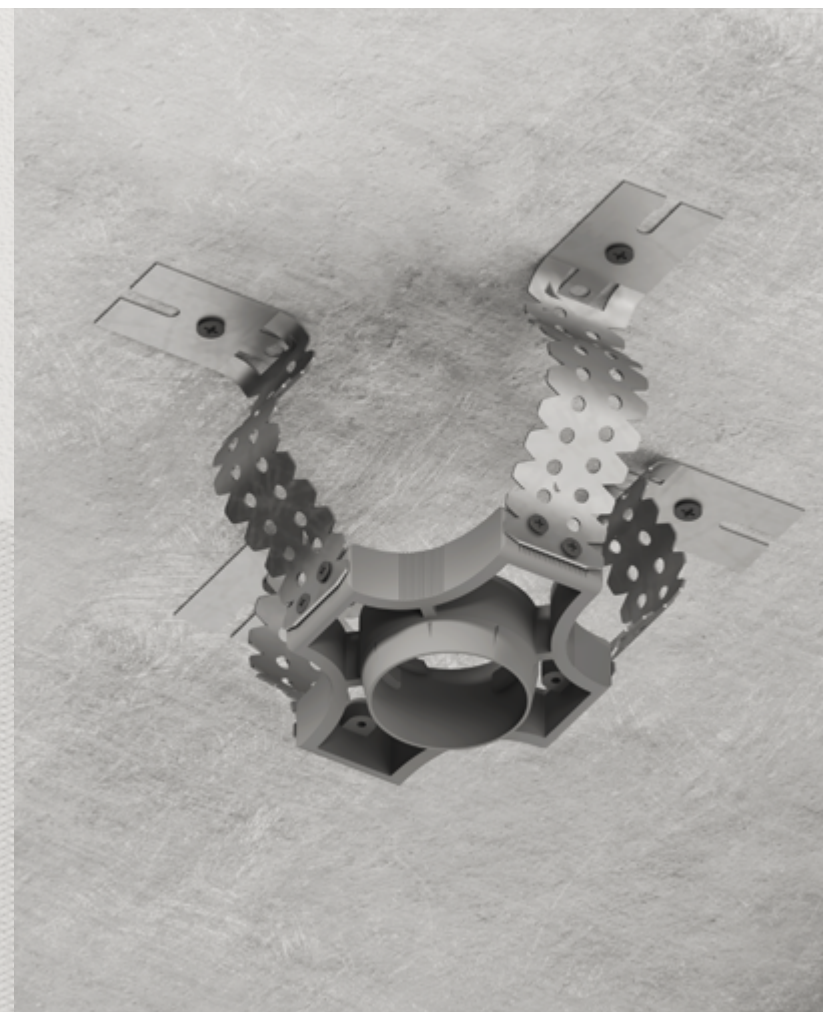
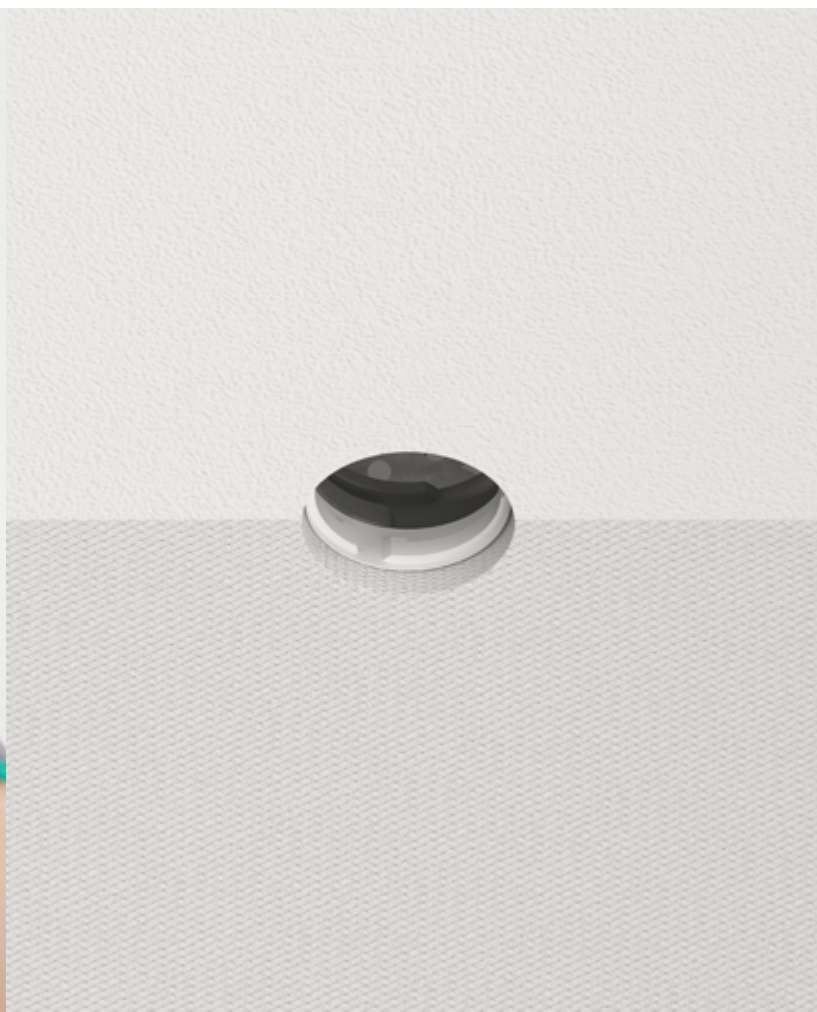
PINCH + PINCHER

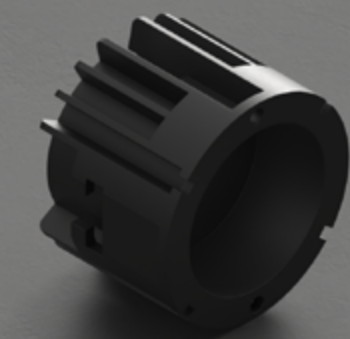
Installing a frameless luminaire into a stretch ceiling is now easier than ever, because we have created a new installation technology that requires no gluing of the canvas.

The solution is universal: the frameless luminaire can be installed both in PVC and in fabric ceilings. The embedded structure is grey, sits 10 mm above the canvas and does not shine through.

The embedded element has four lugs with marks for convenient installation and reliable fixing of the whole assembly.

The luminaires can be aligned precisely thanks to special notches at 45 and 90°, which help when working with a laser level.





Luminaire radiator

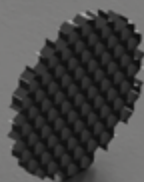
LED light
source



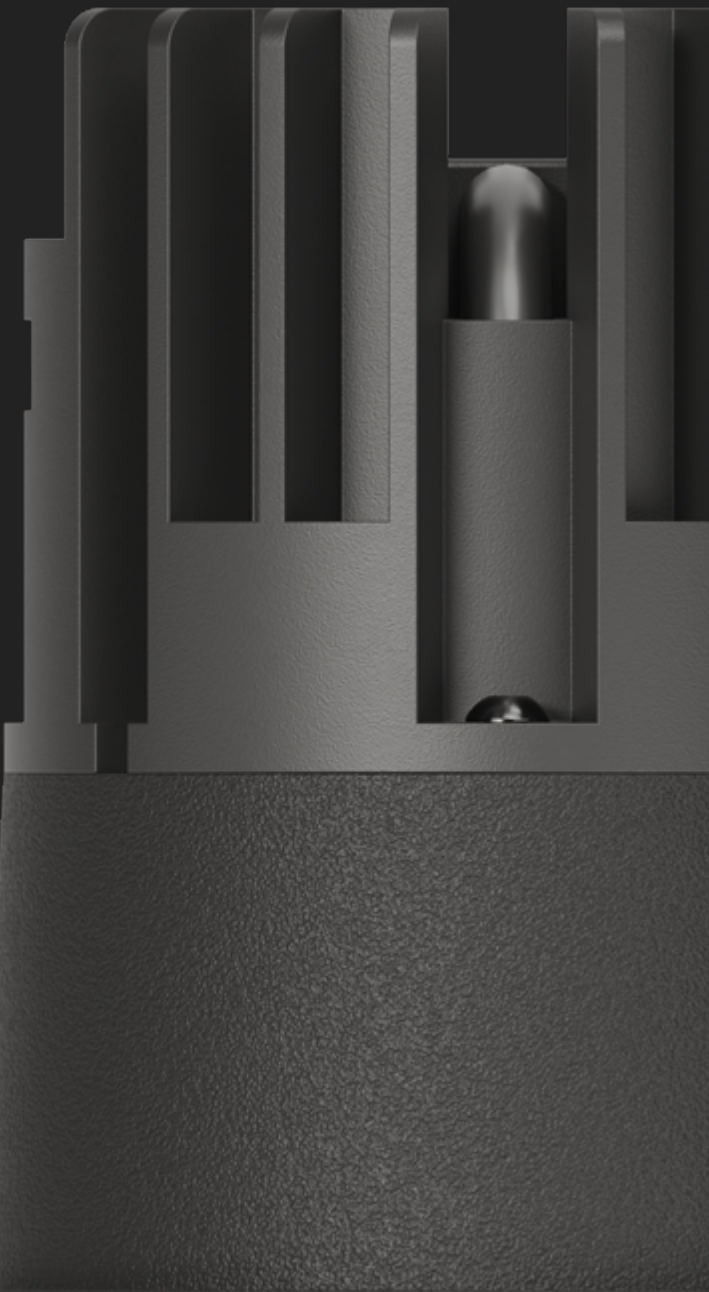
Optics - lens and
fixing cup



Honeycomb light filter



Decorative cover



1 mm

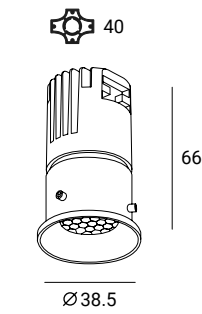
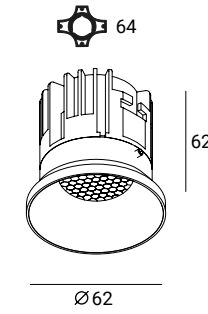
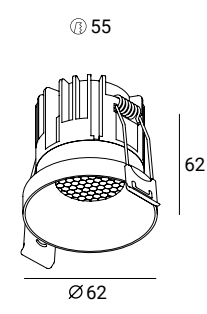
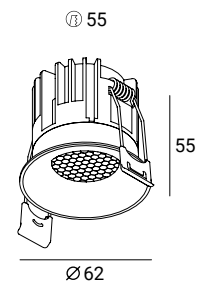
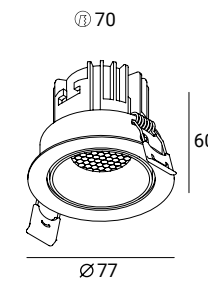
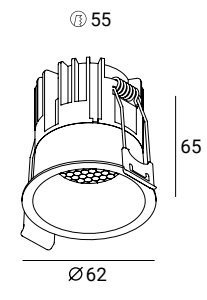
ADDITIONAL COLOURS

Unique colours of the visible part of the luminaire in natural shades are available to order.



POINTS

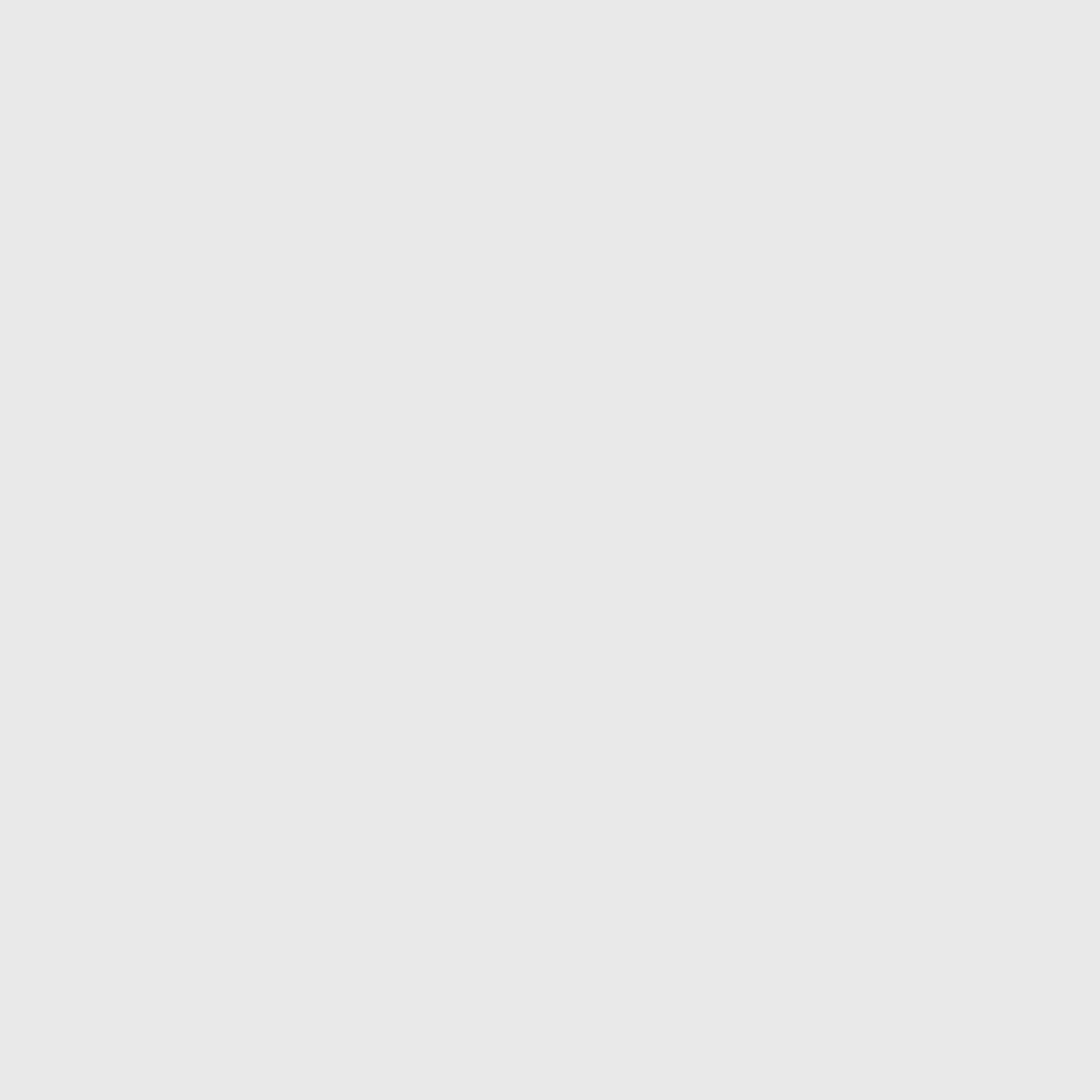
Recessed spotlights

	GLAZ S LED 220V 6W 3000K 4000K CRI 92+ 3000K: R9 - 75.6, Rf - 90.6, Rg - 102.7 15° 36° 50° no-dim ZidBee		GLAZ M LED 220V 8W 3000K 4000K CRI 90 3000K: R9 - 70.4, Rf - 90.8, Rg - 101.2 15° 36° 50° no-dim Zigbee		COIN M LED 220V 8W 3000K 4000K CRI 90 3000K: R9 - 71.2, Rf - 91, Rg - 100.8 15° 36° 50° no-dim Zigbee
	ARCA M LED 220V 8W 3000K 4000K CRI 90 3000K: R9 - 70.5, Rf - 90.9, Rg - 101 15° 36° 50° no-dim Zigbee		DIRECT LED 220V 8W 3000K 4000K CRI 90 3000K: R9 - 70.8, Rf - 91.1, Rg - 101.1 15° 36° 50° no-dim Zigbee		DEEP M LED 220V 8W 3000K 4000K CRI 90 3000K: R9 - 70.6, Rf - 91, Rg - 101.2 15° 36° 50° no-dim Zigbee

ZEN

A range of surface-mounted luminaires of simple, laconic shapes. They can serve as functional lighting in their own right or complement track systems and spotlights.





ZEN LUMINAIRES

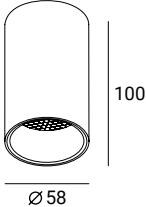
The series includes the SPOT model, 58 mm in diameter, 100 mm high and 10 W. The replaceable X-BEAM lens comes with three dispersion angles: 15, 36 and 50°. Decorative front rings are available in six natural colours. Dimming is available and is managed with TRIAC regulators or controllers.

Types of luminaires	
Body colour	 
Colour of accessories	     
Dispersion angle	  
Control	 



SPOT

Surface-mounted luminaire



100

Ø 58

SPOT

LED 220V

10W

3000K | 4000K

CRI 90

3000K: R9 – 46.8,

Rf – 92.2, Rg – 97.4

15° | 36° | 50°

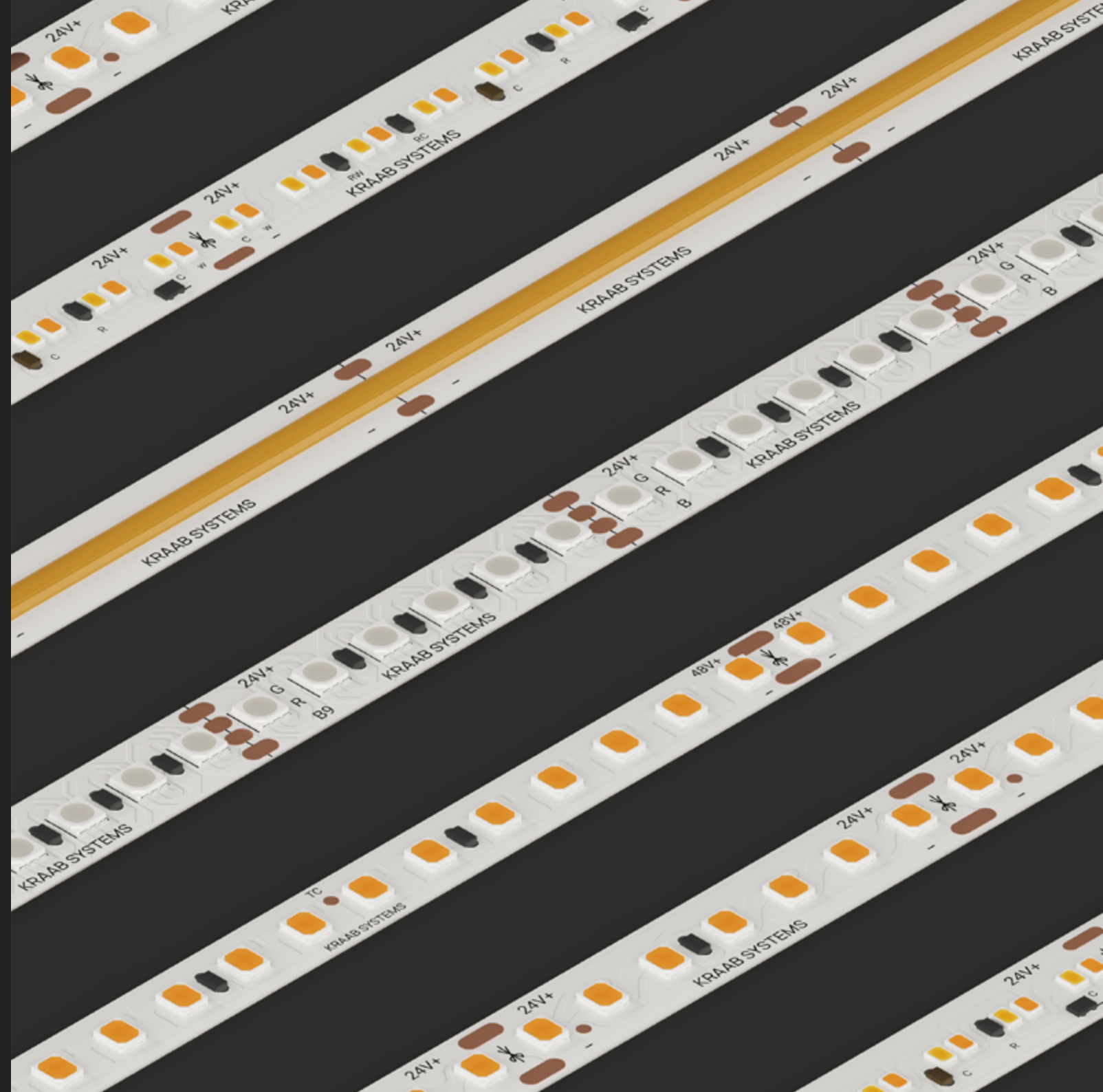
TRIAC | Zigbee

Decorative rings

	D 58 mm Coal Black RAL 9005		D 58 mm Deep Graphite RAL 7024		D 58 mm White Sand RAL 9003
	D 58 mm Terra Cotta RAL 8004		D 58 mm Ash Green RAL 7009		D 58 mm Cloudy Grey RAL 7045

PIXIE

A series of high-quality LED strips that provide natural, even light for primary or decorative lighting.
PIXIE is a perfect fit for every KRAAB SYSTEMS profile system that calls for an LED strip.

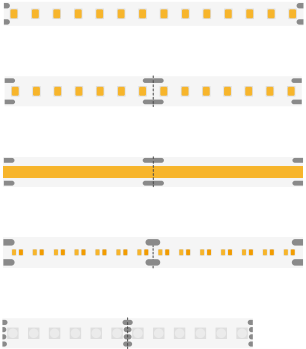




LED STRIPS

The model range includes LED strips of the SMD, COB, RGB and DTW types. They come 8 or 10 mm wide, with colour temperatures of 2700K, 3000K, 4000K and 1800-3000K, at 24 and 48 V, and from 5 to 15 W.

Types of strips

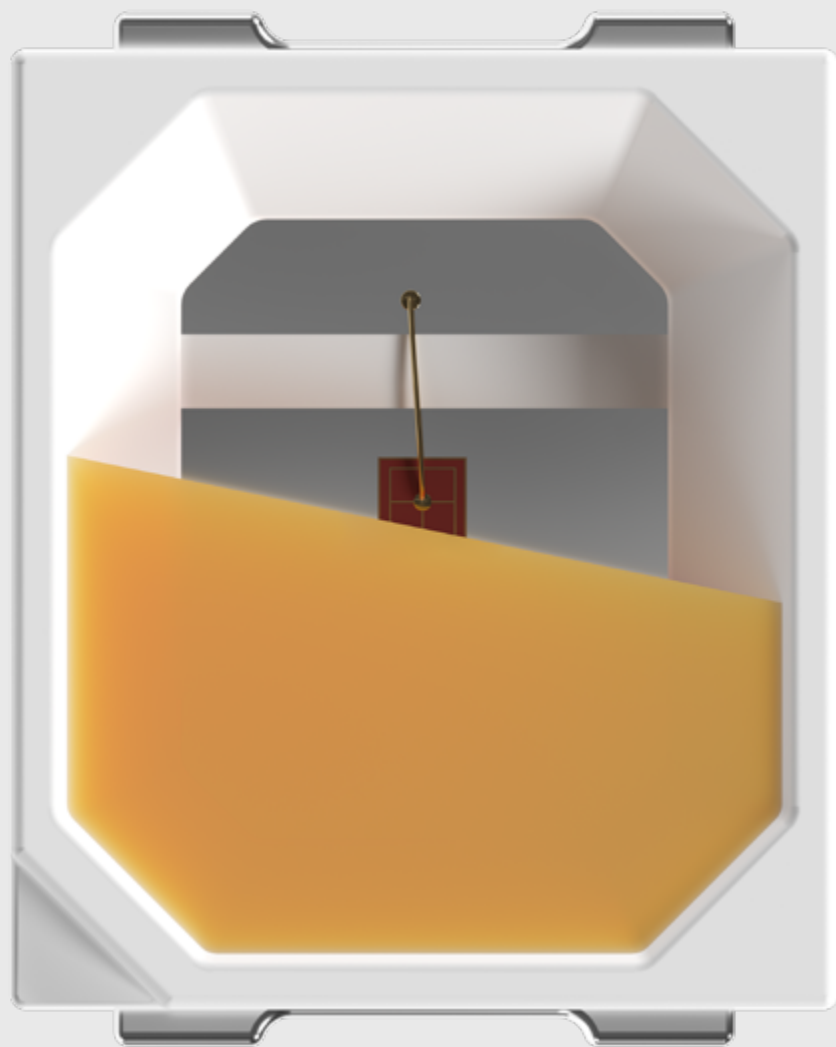


Control



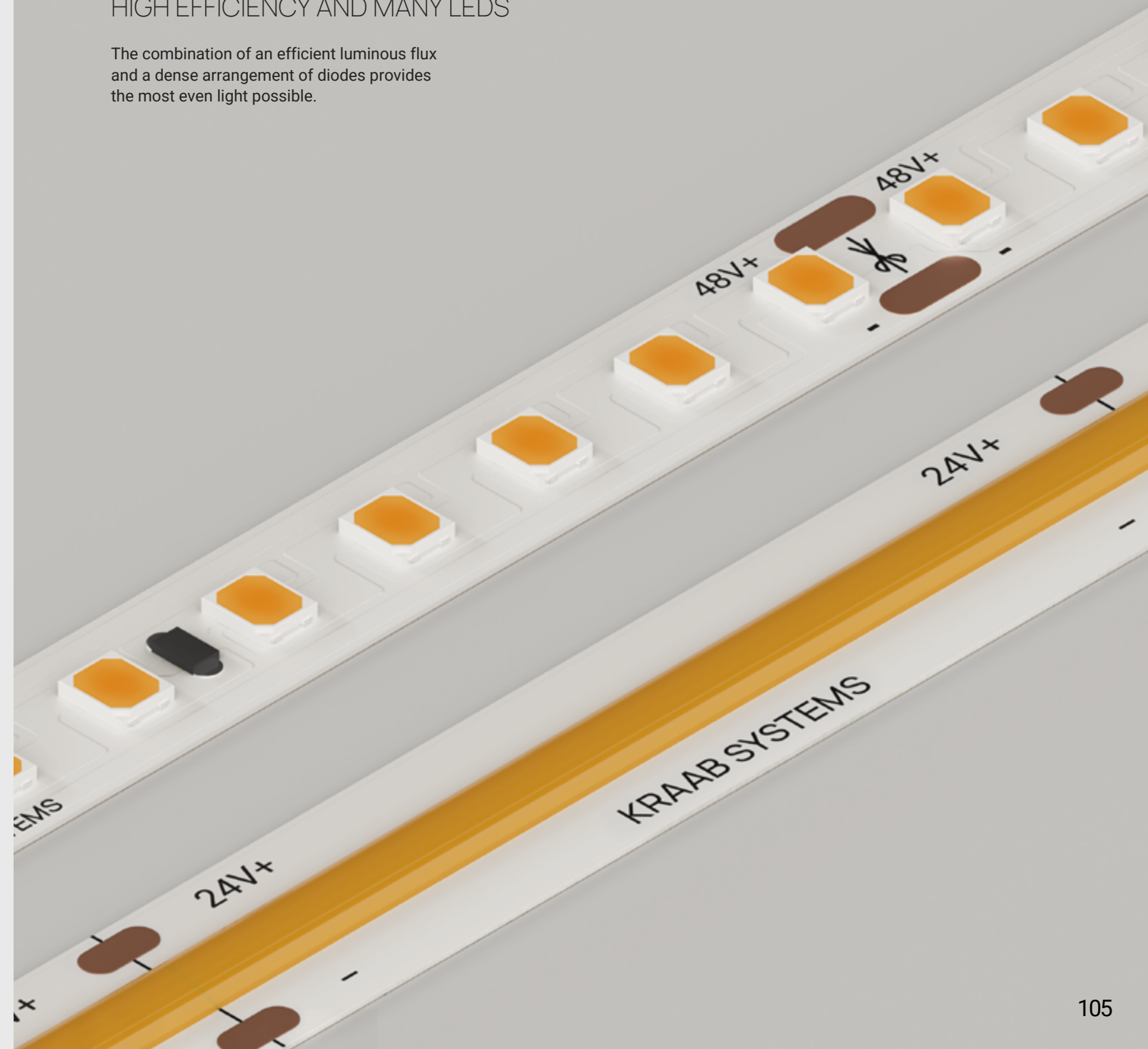
LEDS WITH GOLD WIRES

The micro-wires connecting the crystals to the board are 99.9% gold. Gold wire bonding is used only in high-quality, latest-generation LEDs with a long service life.



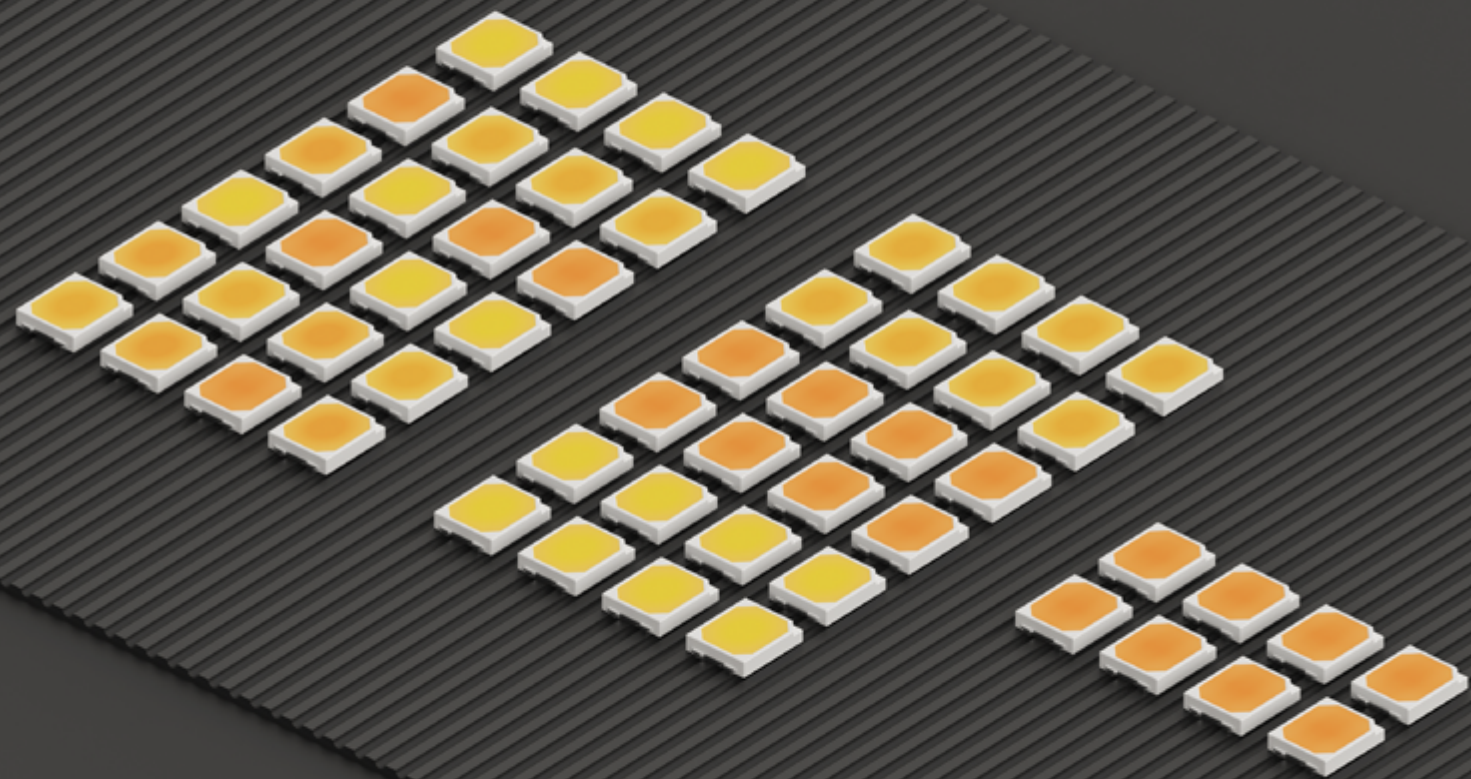
HIGH EFFICIENCY AND MANY LEDES

The combination of an efficient luminous flux and a dense arrangement of diodes provides the most even light possible.



ONE BIN IN SELECTION

This means that when you buy an additional strip for the room, or need to replace a section, all lighting parameters stay within the same batch.



NATURAL COLOUR RENDITION

High values of the colour rendering index (CRI), the red index (R9), precision (Rf) and saturation (Rg).



REINFORCED 3M TAPE

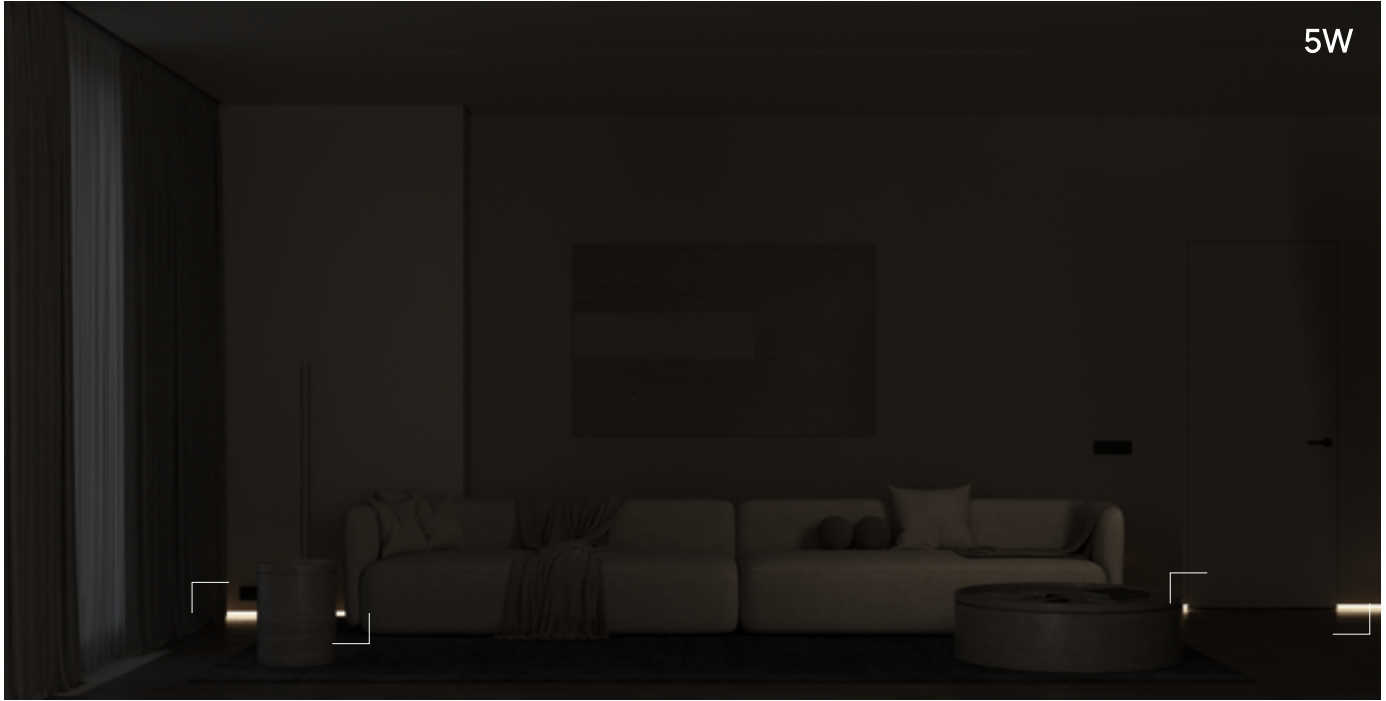
The LED strips are fixed securely with reinforced 3M 300LSE tape.



NEW AND CONVENIENT PACKAGING

We have developed new compact, informative packaging for convenient storage of the LED strips.







1800K
3000K

PIXIE

LED strips

5m

8mm

100mm

48V

5W

|

10W

|

15W

CRI92

140LED/m
SMD 2835

2700K

|

3000K

|

4000K

5m

10mm

50mm

24V

5W

|

10W

|

15W

CRI92

140LED/m
SMD 2835

2700K

|

3000K

|

4000K

5m

10mm

50mm

24V

15W

CRI90

480LED/m
COB

2700K

|

3000K

|

4000K

5m

10mm

50mm

24V

15W

CRI94

280LED/m
DTW

1800K

3000K

5m

10mm

41.7mm

24V

14.4W

144LED/m
SMD 3838

R

G

B

