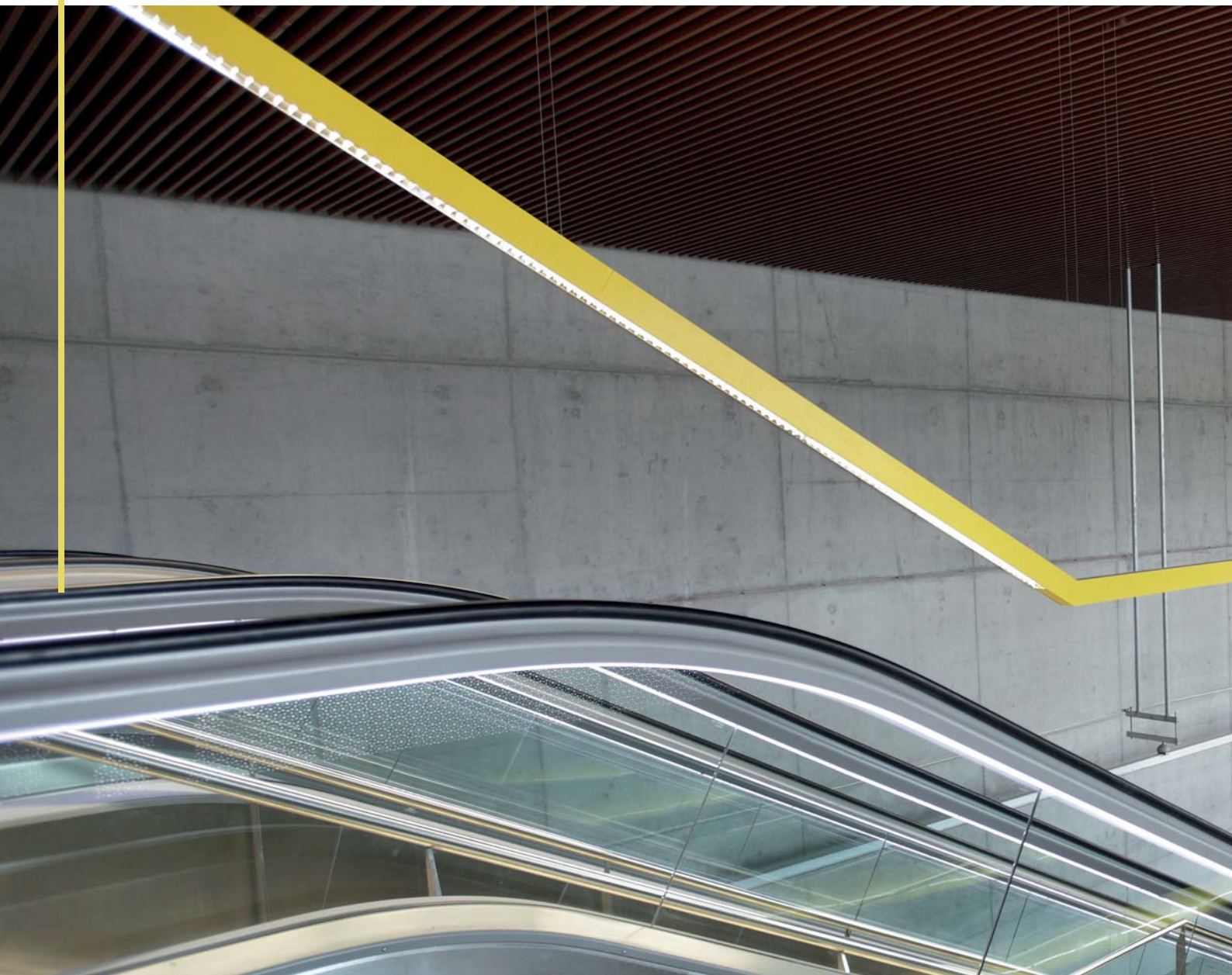


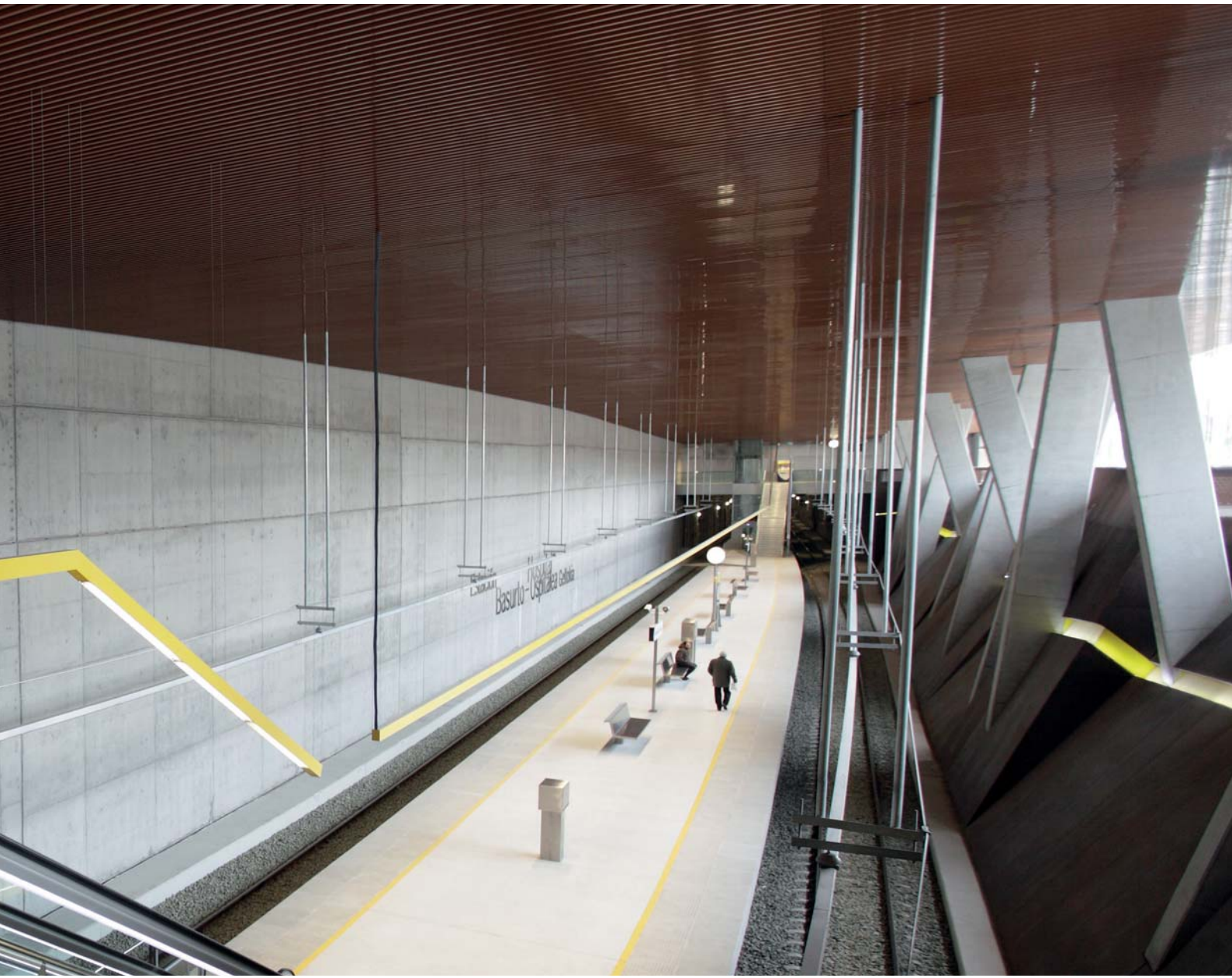
Kardó



INFINITE LIGHT COMBINATIONS

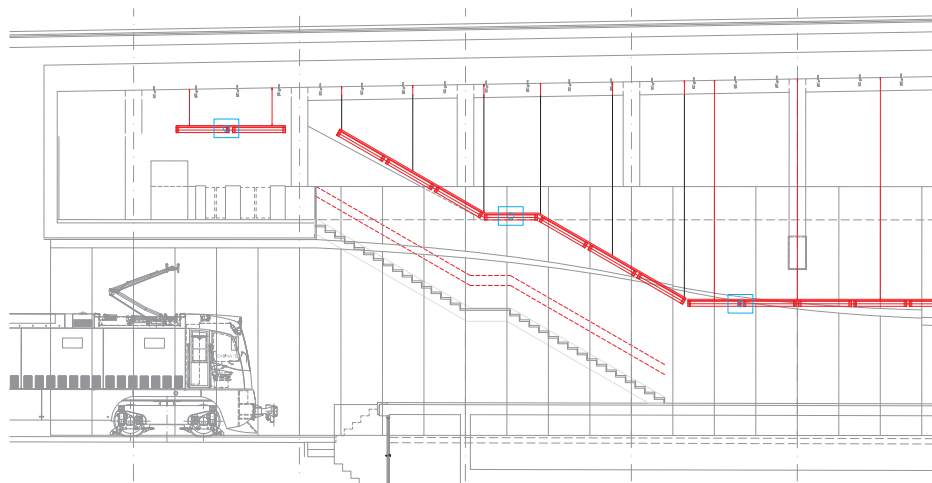


With Kardó you will have a modular lighting system with which you will be able to follow and enhance architecture throughout a building. The system offers maximum flexibility: you can create long or short lines, straight or angular, suspended, recessed or surface-mounted against wall or ceiling. You can then fill the lines with the light modules of your choice: reflectors, diffusers, lenses or uplights. Furthermore you can also integrate technical modules such as light control and emergency lighting.



Kardó light lines are always produced in accordance with your wishes. You design the line, together with our advisers.

ETAP will handle the lighting study and development: every detail of the Kardó lines is clearly specified and documented in our Kardó line configurator.



CONCEPT



Design: eer architectural design, Belgium

VERSIONS

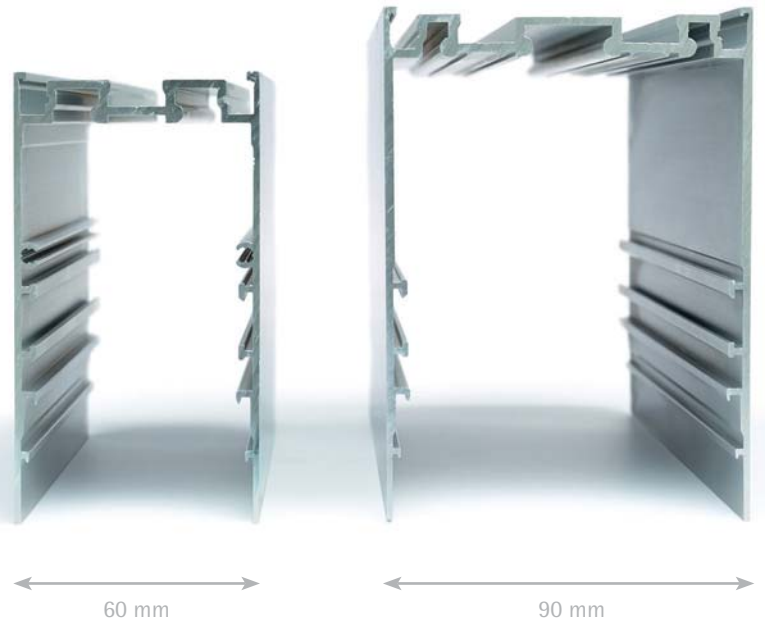
Kardó can be installed against a ceiling or wall, suspended or recessed. Several versions can also be combined within a single configuration.

PROFILE

The basis for Kardó is a minimalist profile made from extruded aluminium. This profile offers you unprecedented flexibility. It can be surface-mounted, recessed, or suspended, through wiring can include up to 14 conductors (7 conductors for Kardó 60) and you can decide with which light modules you fill it.

We always custom-make the basic profile: profiles to 3 m are made up of a single continuous unit, for larger configurations, profiles are connected. In a nutshell: any length is possible. Thus creating long or short light lines with optional horizontal or vertical angles or T-profiles.

You can choose between a basic profile measuring 60 (Kardó 60) or 90 mm (Kardó 90) wide. The profile is available in white or anodised aluminium. Alternative RAL colours are also available upon request.



MODULES

Light modules fit anywhere in the profile. You can choose between LEDs or fluorescent lamps, between reflectors, diffusers or lenses. All modules deliver excellent photometric performance, high visual comfort and boast low power consumption. Regardless of optics or light source. Furthermore you can also integrate all manner of technical modules into your system, such as light control systems or emergency lighting. Lastly, you can also have tailored modules developed.

The modules can be installed in the profile without tools. For consecutive lines the light modules are installed next to each other. For interrupted light lines, leave the desired space between modules. Cover plates neatly fill the gaps between modules.

For example:

Continuous line (Kardó 90 with diffuser)

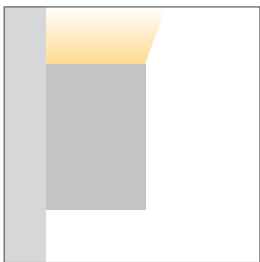


Interrupted line (Kardó 60 with LED+LENS™ optics)

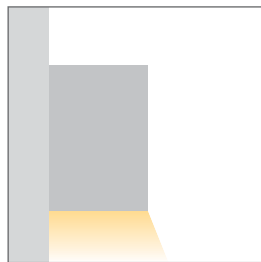


VERSIONS

SURFACE-MOUNTED



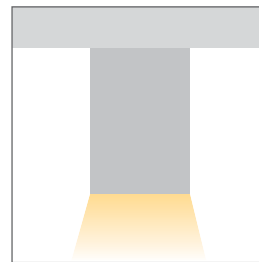
Wall, upwards



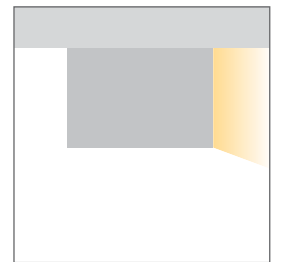
Wall, downwards



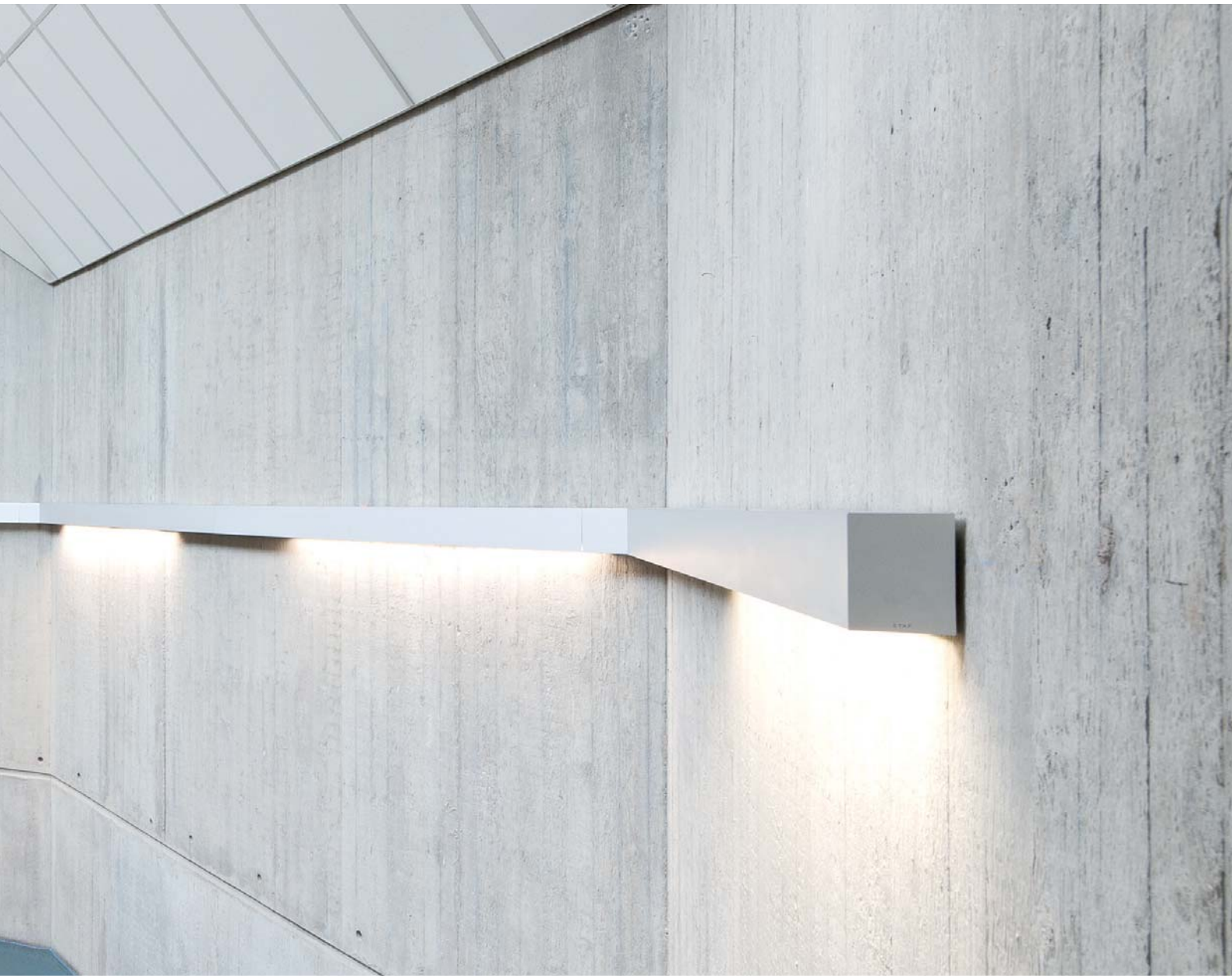
Wall, upwards and downwards



Ceiling, downwards



Ceiling, sideways



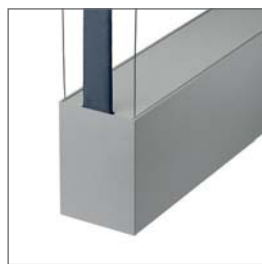
The Kardó can be mounted on ceiling or wall. Depending on how the profile is installed, Kardó illuminates downward, upward or sideways.

VERSIONS

SUSPENDED



The cables fully disappear in the main profile



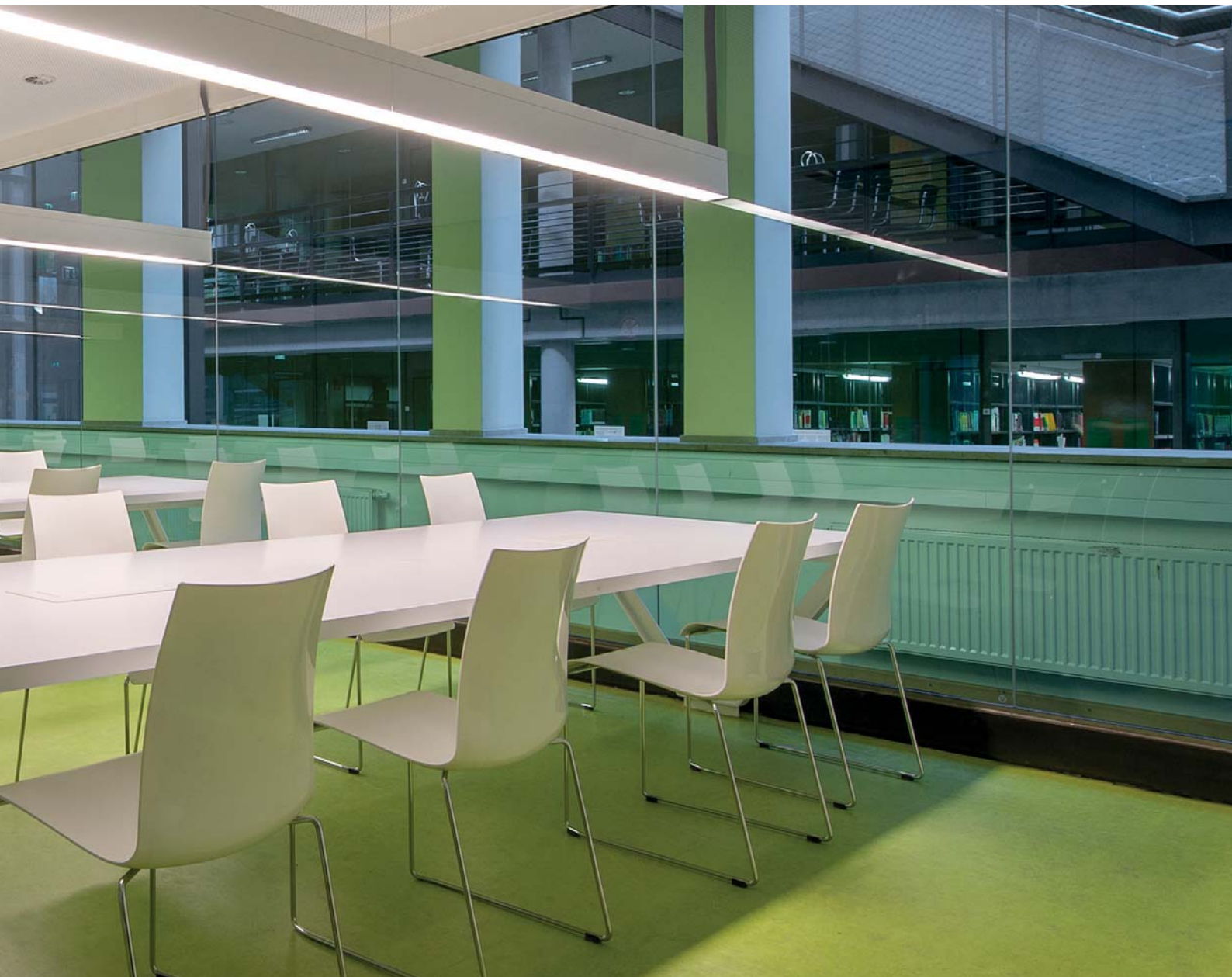
Black supply cable



Grey supply cable



Two suspension points on the ceiling guarantee stable mounting



The suspended version is held by slim cables that blend into the profile, fully in line with the minimalist design. The flat supply cable is covered by a black or grey fabric sleeve.

The suspended versions are height-adjustable, supply cables are available in heights from 1 to 5 m.

VERSIONS

RECESSED



Kardó 90:



20 mm countersunk



Smooth



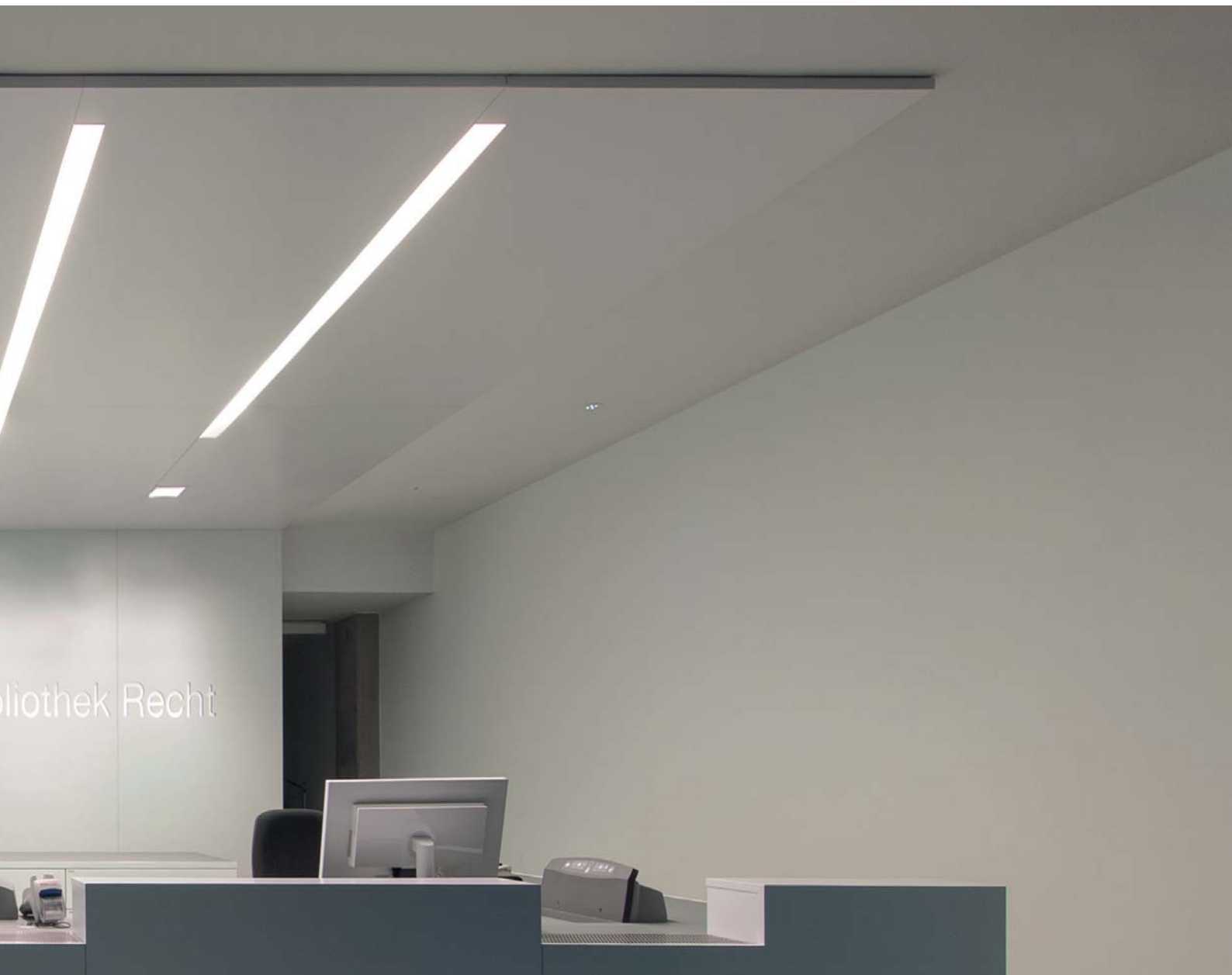
20 mm under the ceiling



40 mm under the ceiling



Air extraction



Kardó 60 & 90:



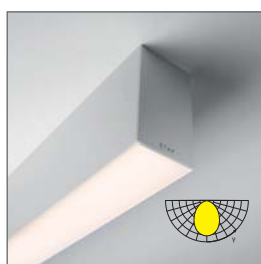
With or without trim

Kardó profiles can be easily integrated into many different ceilings such as plaster board, wood or system ceilings. With or without trim, the choice is up to you. If you work with the Kardó 60, the installation bracket is mounted directly onto the profile, which makes installation particularly fast and easy.

Kardó 90 has a separate flush mount set, which allows for several mounting positions: 20 mm countersunk into the ceiling, at the same height as the ceiling, 20 or 40 mm under the ceiling. You can also equip the Kardó 90 with air extraction.

LIGHT MODULES

DIFFUSERS



Diffuser



Kardó 60 with LEDs

The HaloOptics® diffuser combines high efficiency with uniform illumination. You choose which light source hides behind the diffuser: LEDs or fluorescent lamps. Both Kardó 60 and 90 can be fitted with fluorescent lamps. We always provide some overlap at the ends to limit dark spots. Kardó 60 is also available with LEDs, which provide uniform illumination, from start to finish.

LED+LENS™



LED+LENS™



LED+LENS™ technology makes use of individual high-power LEDs, each fitted with its own lens. The sophisticated lenses create medium-beam light distribution. Due to their surface texture they shield bright LED light and soften it, resulting in an effective, energy-efficient and comfortable lighting solution.

LIGHT MODULES

REFLECTORS



Reflector



Wallwasher

Equilum reflectors combine high visual comfort with energy efficiency. The Equilum baffles prevent disturbing peak luminance and guarantee even shielding in all directions. Due to high output and optimal light distribution the desired light levels are reached with the fewest possible light modules. Both Kardó 60 and 90 are available with reflectors, always combined with fluorescent lamps.

The compact wallwasher, available for Kardó 90, provides pleasant and evenly lit walls.

UPLIGHTS



Uplight with fluorescent lamps



Uplight with LEDs

Uplights illuminate the ceiling, which is important for pleasant and well-balanced lighting.

Kardó offers two options:

- Extra module with fluorescent lamps installed on top of the profile
- An LED module, which we integrate into the Kardó 60 profile. To do so, the basic profile does not have to be raised.

TECHNICAL MODULES

LIGHT CONTROL AND EMERGENCY LIGHTING



Daylight sensor

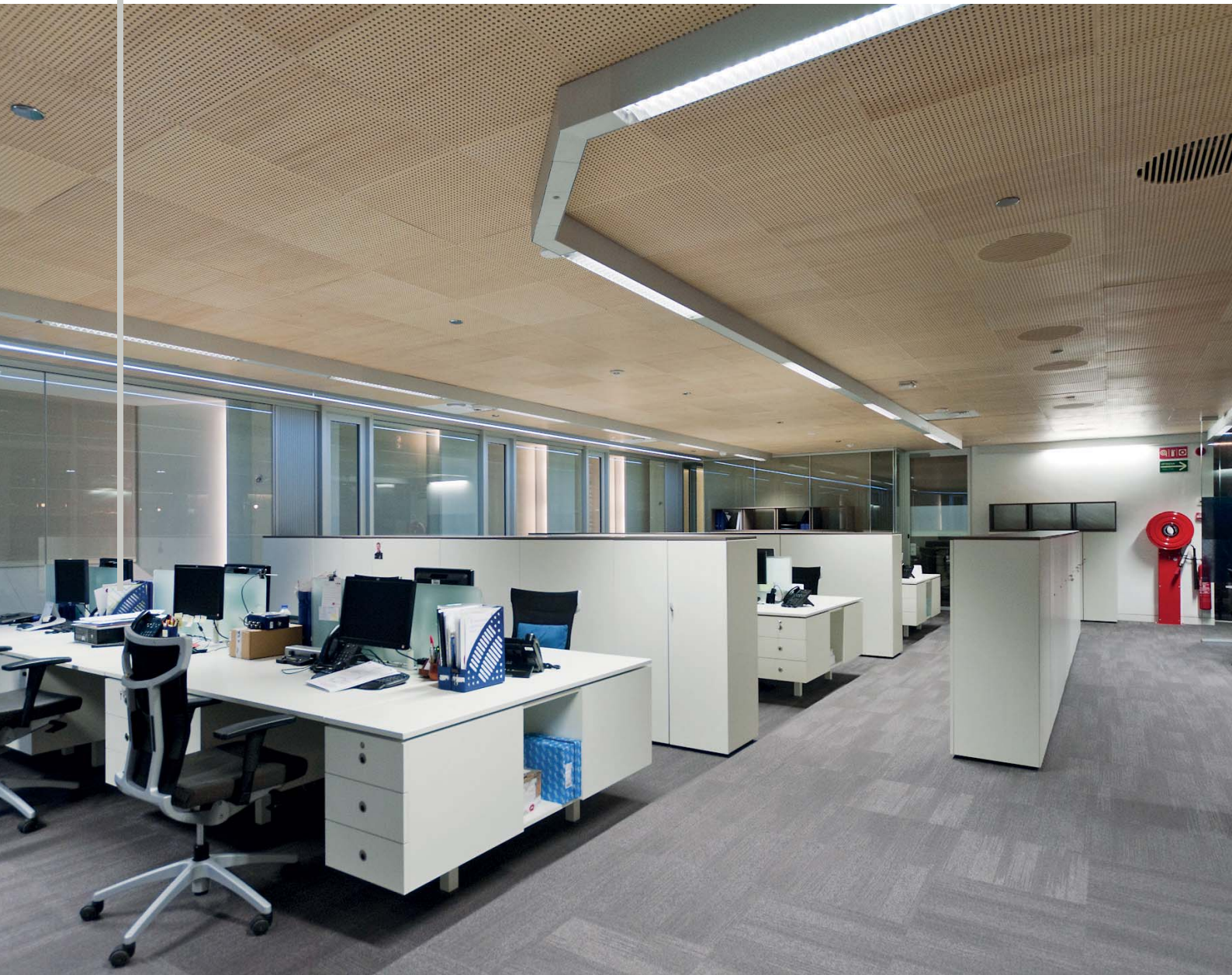


Emergency lighting

If your aim is to save energy, use light control. The daylight sensor constantly adjusts the artificial light to the amount of daylight. A multisensor combines daylight-dependent control, motion detection and infrared remote control. It is also possible to integrate the Kardó light modules into the Excellum light management system.

The Kardó system can also accommodate emergency lighting. Integrated LED modules ensure optimal lighting in emergency situations, with a minimum number of modules.

MADE TO MEASURE



Integrated smoke detector



Personalised profile (sharp angle)

The Kardó system is custom-made by definition. However, we can still push the bar on your project. Quite a few aspects such as colour, angle of profile, applied optics and accessories can be tailored to your specific requirements.

SERIES OVERVIEW



with LED



with fluorescent lamp

KARDÓ 60

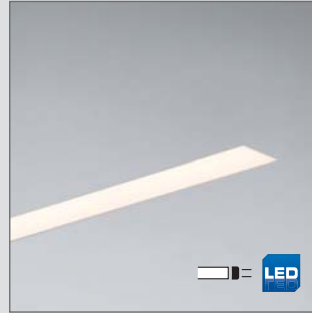
Versions:



Surface-mounted



Suspended



Recessed (with or without trim)

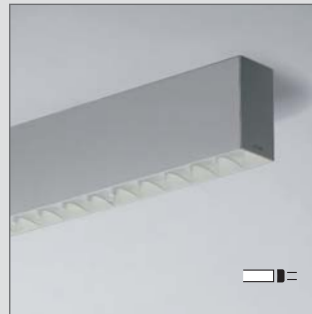
Light modules:



Diffuser



LED+LENS™



Reflector



Uplight (fluorescent)



Uplight (LED)

Technical modules:



Daylight-dependent light control (ELS)



Daylight and motion-dependent light control (EMD)



LED module for emergency lighting

KARDÓ 90

Versions:



Surface-mounted



Suspended



Recessed: - with our without trim
- with our without air extraction
- 4 mounting positions in ceiling

Light modules:



Diffuser



Reflector



Reflector asymmetric



Uplight (fluorescent)

Technical modules:



Daylight-dependent light control (ELS)



Daylight and motion-dependent light control (EMD)



LED module for emergency lighting control

KARDÓ

modular light line system

- Flexibility
 - Single system throughout your building
 - Surface-mounted, suspended or recessed
 - Filled with light modules of your choice
 - Custom-made
- Extensive choice of light modules
 - Diffuser, reflector, lenses, uplights
 - With LED or fluorescent lamps
 - Integration of emergency lighting and light control
- Comfort & efficiency
 - Low power consumption
 - High visual comfort
- Minimalist design
 - Perfect finish
 - High-quality materials

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