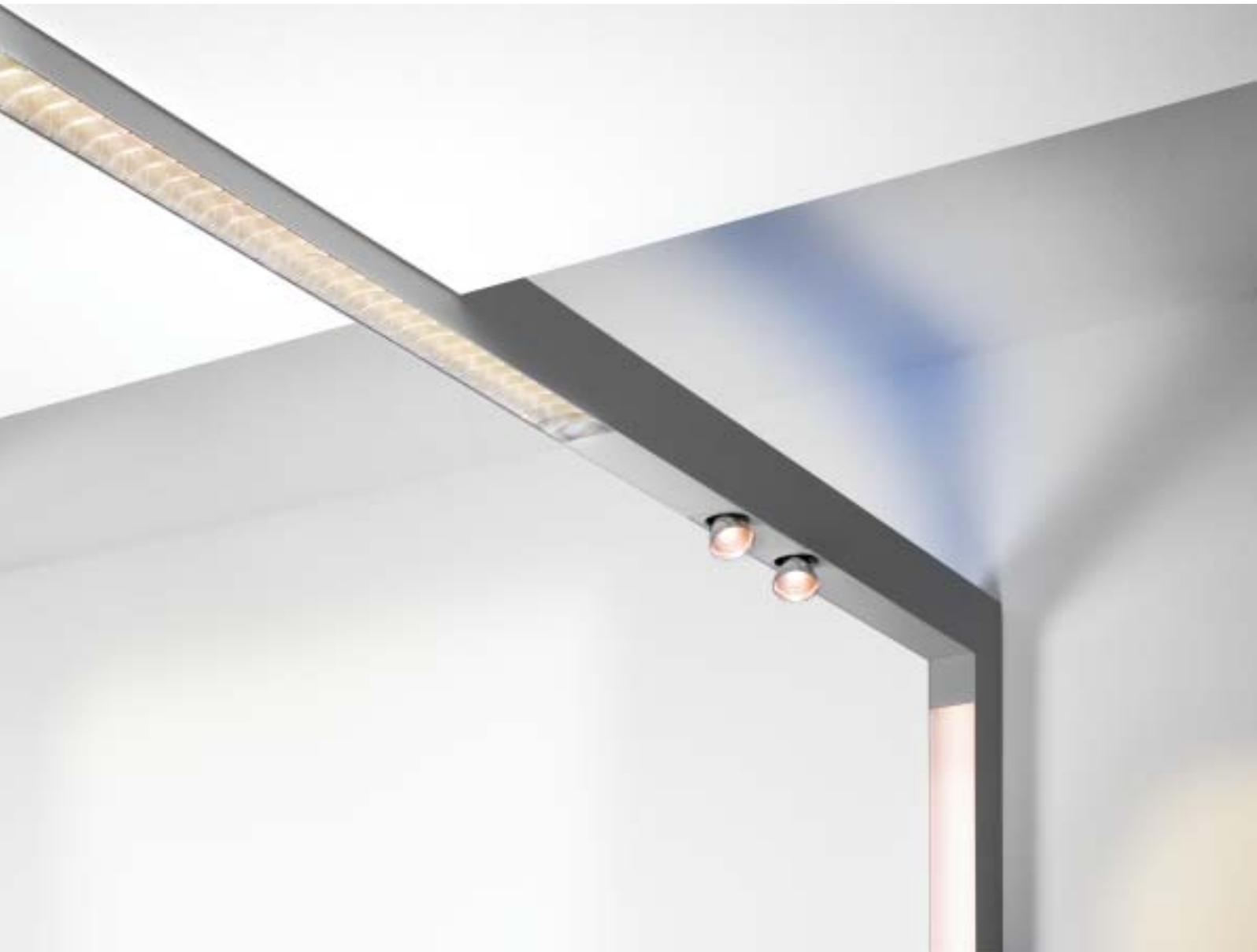


Kardó

Endless light combinations



CONCEPT



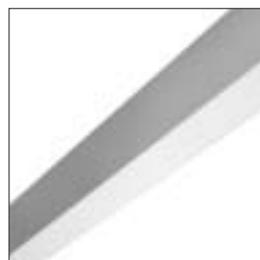
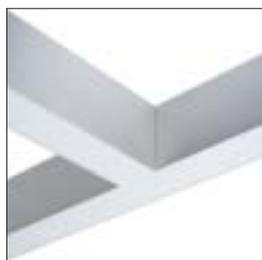
Design: eer architectural design, Belgium

Kardó is a unique lighting system that allows you to follow the architecture throughout a building with one single profile. An extensive range of light modules can be incorporated anywhere on this slim profile.

BASE UNIT

The discreet base unit's symmetry means it can be used in all orientations. The profile and its details are made from anodised aluminium making any further finish unnecessary. Kardó is also available in white, or any other RAL colour on request.

The profiles are available in standard easy-to-link lengths, but we can also produce any length to match your project requirements. Stand-alone suspended luminaires are also available based on the Kardó profile.



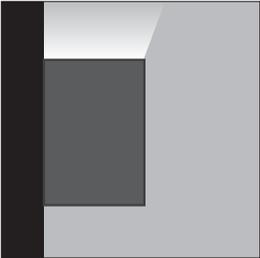
APPLICATIONS



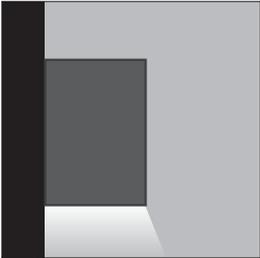
Kardó's flexibility means you need just one system. And this versatility provides an easy answer to complex applications, both with functional and architectural lighting. The Kardó profile can be surface mounted, wall mounted, suspended or recessed.

SURFACE MOUNTED

By mounting it on the ceiling or wall, Kardó becomes a downlight, uplight or sidelight. The easily adjustable mounting profiles assure perfect alignment under all circumstances.



wall up



wall down



wall up and down



ceiling down



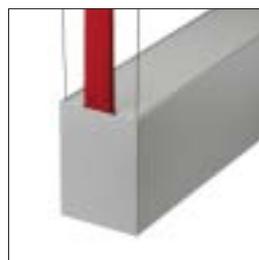
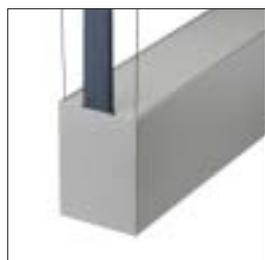
ceiling side

APPLICATIONS

SUSPENDED

The suspended Kardó profile is held by steel cables which disappear into the top of the profile, fully in keeping with the simple design. The flat cable and the aluminium box on the ceiling complete the design.

Flat cable sleeves are available in four colours: black, gray, white and red.

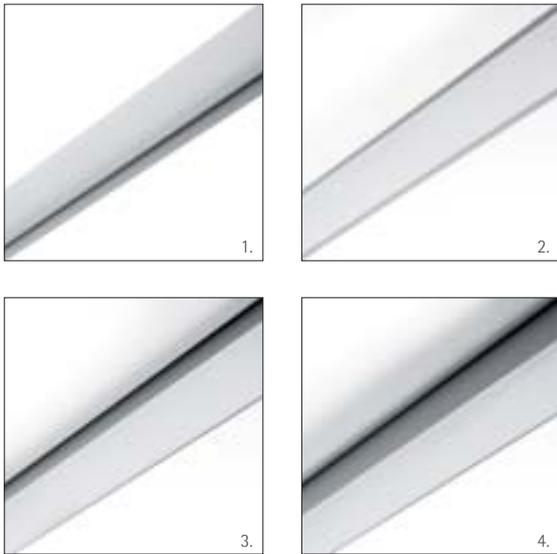


RECESSED

The Kardó profile can be easily recessed into most ceiling types such as plaster ceilings, wooden ceilings, system ceilings. All mounting accessories have been specifically developed with ease of installation in mind.

Three trims are available: a trim to install the profile into any hard material, a trimless version for minimal incorporation in a ceiling and a trim with slots for air-handling.

And the profile can be positioned in four different ways at any time: flush with the ceiling, 20mm recessed and 20 or 40mm protruding.



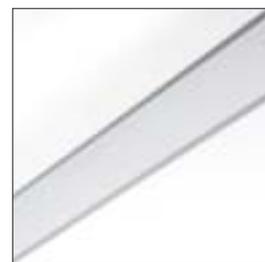
1. 20 mm recessed
2. flush
3. 20 mm protruding
4. 40 mm protruding



trim



air-handling



trimless

MODULES



Kardó's essence is flexibility: all light modules can be positioned at random. All our light modules are high-performance, low energy and high comfort.

FLEXIBILITY

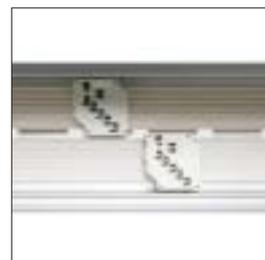


One or two 7-pole flat cable can be used with the base unit for a variety of light modules: reflectors, diffusers, spots, emergency lighting, controls,... . They can be plugged anywhere in the Kardó profile without tools. Cover plates neatly fill the gaps between the luminaires.

To allow easy maintenance, all modules have user-friendly latches for opening and closing. This prevents damage during maintenance.



easy maintenance



two 7-pole flat cables possible

MODULES

REFLECTOR



10 - Kardó
ETAP



reflector



wallwasher

Kardó can be fitted with EQUILUM® reflectors which combine high visual comfort with high energy efficiency. The EQUILUM® baffles prevent disturbing peak luminances and guarantee uniform shielding in all directions. The high efficiency and the optimised light distribution means the desired light level can be obtained with a minimum of light modules. The reflectors can be mounted individually or in line.

The compact wallwasher is designed to project a nice and even light distribution on the wall.

DIFFUSOR



Diffusers are available for rooms that require a higher brightness. ETAP uses the HaloOptics® diffuser, which combines high efficiency with an even illumination. Continuous light lines can be created, with overlapping lamps to avoid dark gaps in the diffuser. It is even possible to have light lines from wall to wall, because the length of the last luminaire in a row can be adjusted. LEDs allow you to create a unique scenography.



diffusor



overlapping lamps to avoid dark gaps

MODULES

SPOT



12 - Kardó
ETAP



compact downlight



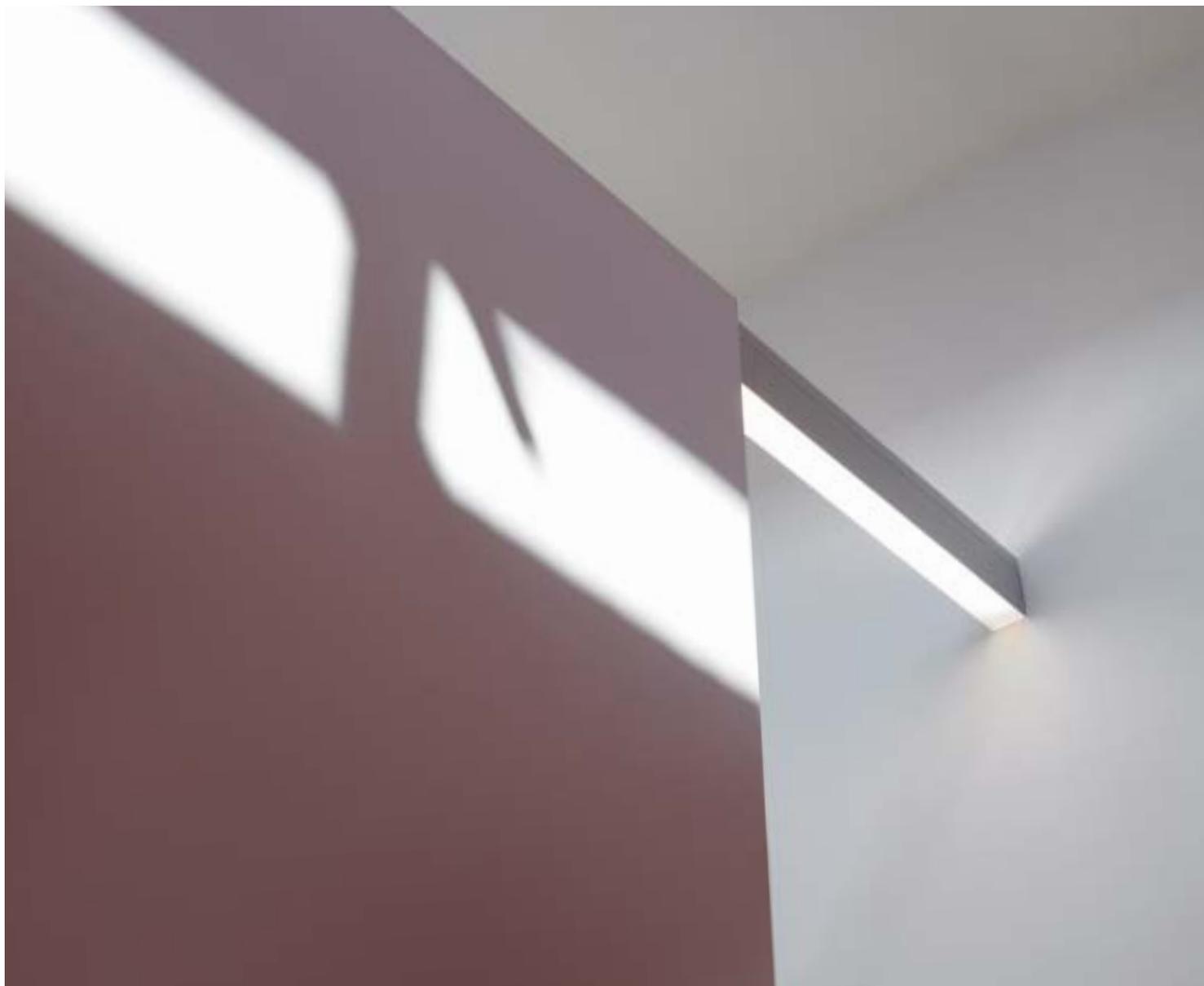
directional spot



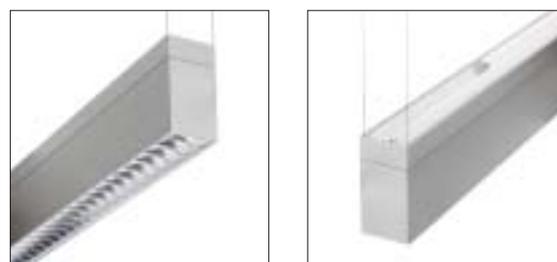
LED spot

The directional spot has a unique turning device with calibrated positions, for easy alignment of different spots. The compact downlight has a square aluminium reflector with a perfect finish. All spots are available with LEDs or energy efficient HIT lamps.

UPLIGHT



The uplight light module is positioned on top of the Kardó profile. Its especially designed optics make it the perfect indirect light source. The design is perfectly in keeping with the other Kardó components.



uplight module with polycarbonate shielding

MODULES

EMERGENCY AND CONTROLS



14 - Kardó
ETAP



LED emergency module

Kardó can be fitted with emergency power units or integrated LED emergency modules. This LED emergency module provides optimal emergency lighting, with a minimum number of modules.

To save energy, different control systems can be integrated in Kardó. A daylight sensor dims the artificial light depending on the amount of daylight. And a multisensor for DALI combines daylight control with movement detection and IR control. It is even possible to integrate all Kardó light modules in a light management system such as ELM (Energy & Light Manager), from ETAP daughter Excellum.

SPECIALS



Almost by definition, the Kardó system is made to measure. Most aspects can be adjusted to meet your specific project requirements, such as colours, specific profile lengths, the integration of other optics, ... Even fire detectors, loud speakers, etc can be integrated in Kardó.



loud speaker

Kardó

Endless light combinations

- Maximum flexibility
 - One profile fits all
 - Surface mounted, recessed, suspended or wall mounted.
 - Light modules can be placed at random
 - Up to 14 wires possible
 - Strong in made to measure solutions
- High end light modules
 - Wide choice of optical systems with high visual comfort
 - High efficiency for minimum energy consumption
 - Integration of emergency lighting and control systems possible
- High quality
 - Perfect finish of all details
 - Easy to install, easy to maintain

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ETAP 

EXCELLENT LIGHTING, SAVING ENERGY

