




**CONBOARD**

Neatly designed  
medical supply system  
– the perfect link  
between architecture  
and light.





Hospital architects and designers have to tread a narrow path. On the one hand, modern medicine demands a wealth of facilities and control capabilities, on the other hand, the patient expects surroundings that provide the greatest possible sense of security and feeling of homeliness.

“CONBOARD connects”

CONBOARD connects technology to design and links security with aesthetics. This medical supply unit provides maximum freedom in terms of both design and technology. Besides its linear modern appearance, the supply system front panel is also an independent unit for surface mounting or recessed installation and can be flexibly fitted with any number of medical supply ducts of different lengths.



# Multifunctional medical supply system

Every aspect of CONBOARD impresses

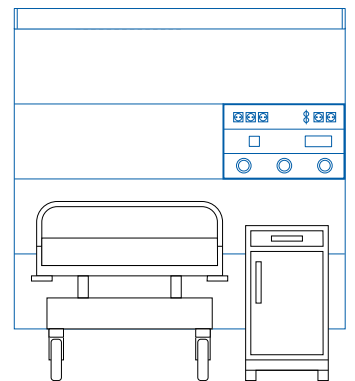


The CONBOARD medical supply system concentrates three components (power, medical gases, communications/data technology) into a single compact unit.

In practical terms, CONBOARD is an extremely flexible medical supply system for providing electrical power, telecommunications and data technology as well as medical gases. This linear high-quality unit is highly functional.

Integrating light and designing CONBOARD as a front panel lends CONBOARD an additional emotional dimension. The innovative front-panel system with its flush-fitted medical supply unit clearly delineates the patient's

personal space. Its width of 1.6 m neatly takes up the same space as a bed with a bedside table. Its high-pressure coated surface made of natural wood blends into any architectural setting, clearing the way for a diverse range of creative design looks.



The CONBOARD front-panel system stands out because of the sophisticated way it coordinates lighting and medical supply components.

## CONBOARD DESIGNED BY ARCHITECTS SANDER AND HOFRICHTER

*"Design schemes for patients' rooms are moving closer and closer to hotel rooms rather than rooms on a hospital ward. This is why we wanted a medical supply unit that would perform several functions simultaneously. Concentrating the medical*

*modules in a confined space and bringing them together at a central functional level was just as important to us as deliberately ensuring that the technical components remained visually unobtrusive."*

Hubertus Sander



Linus Hofrichter





## The right light for every situation

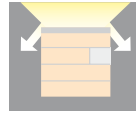
CONBOARD moves with the times

CONBOARD embodies experience and knowledge accumulated during 30 years of researching, developing and manufacturing medical supply units and lighting solutions for hospitals and healthcare settings.

A lighting module specially developed by Zumtobel tops the multifunctional front-panel system. With its straight lines and uncluttered look, it is the logical continuation of an overall concept that is architecturally restrained. It is a reading, examination, room and night light all in one, and has been optimised for all application areas using the very latest CAD methods and manufacturing techniques.

CONBOARD lighting modules are ideally equipped for use in medically used rooms. The fully enclosed luminaires meet, among other requirements, the standard for lighting in clinical areas and are very easy to clean.





#### Light for a pleasant room effect

Indirect light fills the room with a friendly atmosphere. The ceiling is brightly lit and light is reflected uniformly throughout the entire room.



#### Light for examinations

Glare-free light with high illuminance and good colour rendition is indispensable for doctors and care staff. CONBOARD makes even difficult visual tasks easier with its balanced combination of indirect and direct examination light.



#### Light for reading

Direct light optimised using the very latest computer technology pleasantly illuminates the head of the patient's bed. As a reading light, it is totally glare-free and does not disturb the patient in the adjacent bed.



#### Night lighting

A maintenance-free LED slipper light built into the underside of the medical supply system illuminates the floor immediately beside the patient's bed. Together with an optional night light, it ensures safety and makes it easier to find one's way around during the night.

## Combine as you please

CONBOARD can cope with individual connections

The neutral design of the CONBOARD medical supply unit gives designers and lighting designers maximum freedom to combine elements as they choose. All CONBOARD models are characterised by their exceptionally shallow overall depth. The resulting space saving is a major advantage in both new building and refurbishment projects. The medical supply unit sits unobtrusively on the wall and blends inconspicuously into an extremely wide variety of architectural settings.

Timeless:  
CONBOARD with  
classic CUREA bedside  
luminaire.

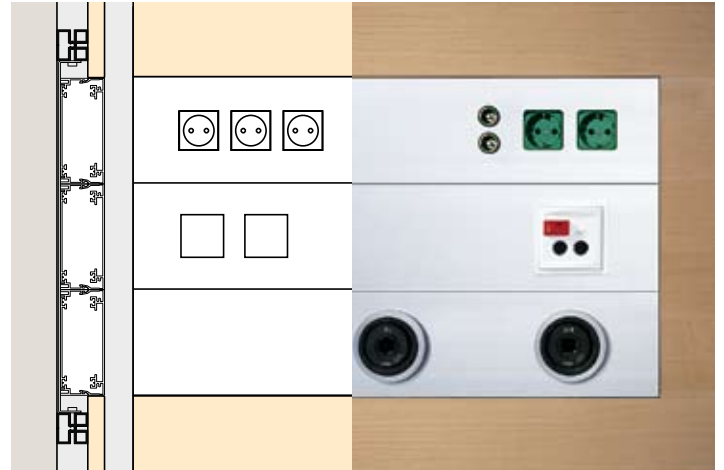
Minimalist:  
CONBOARD with  
PURELINE surface-  
mounted luminaire.



Handy: KAVA LED  
recessed wall luminaire  
as a slipper light.

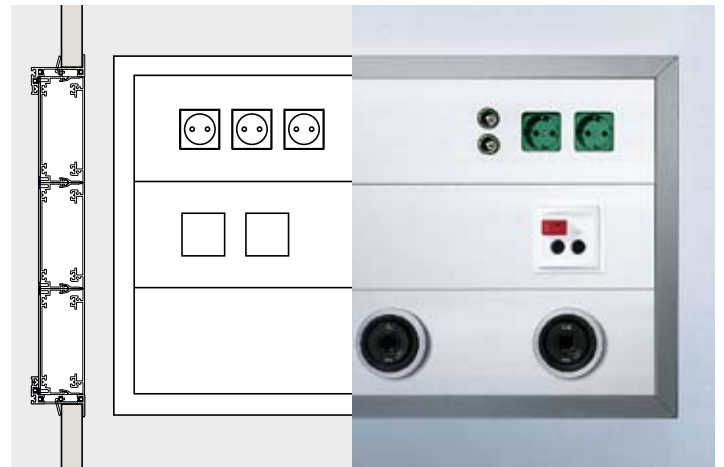
### Front-panel system

- Just 55 mm deep\*
- High-pressure coated surface, impact-resistant and scratch-proof, resists cleaning agents and disinfectants
- Easy to clean thanks to flush-mounted design without exposed joints
- Also provides ramming protection



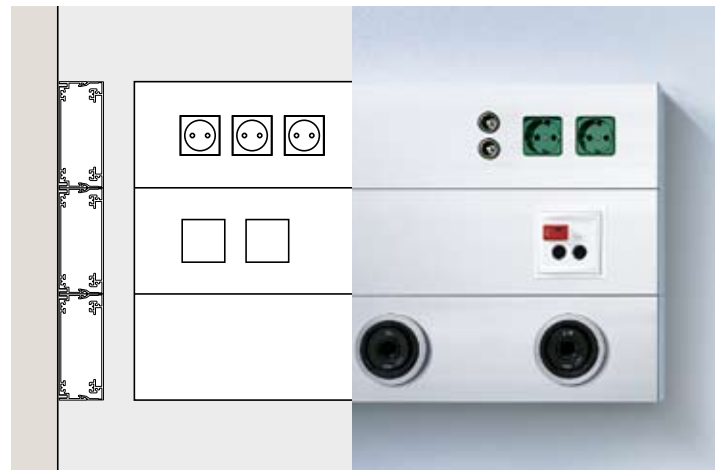
### Recessed into wall

- Recessed depth only 60 mm\* (plus space required for rear cable entry)
- Easy-to-install mounting frame (flange width 25 mm)
- Suitable for cavity walls with wall thickness from 10 mm to 35 mm
- Mounting frame in RAL colours, powder-coated or natural anodised finish



### Surface-mounted on wall

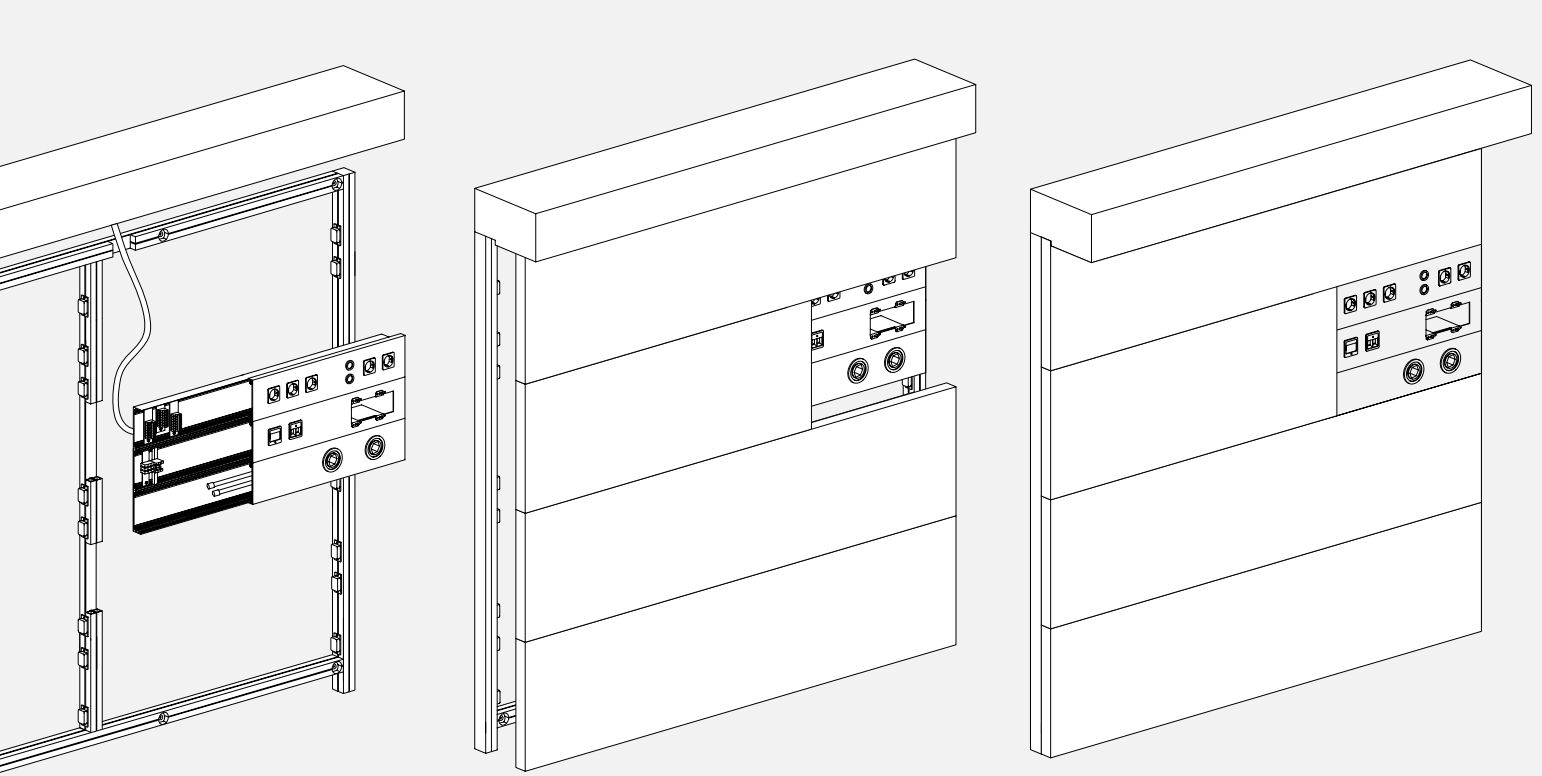
- Just 50 mm deep\*
- Form-fit top pieces in same colour as section (exception: titanium-colour powder coating in case of anodised sections)



\* Overall depths vary due to different installation methods. The section used for all versions has a 50 x 120 mm cross section.

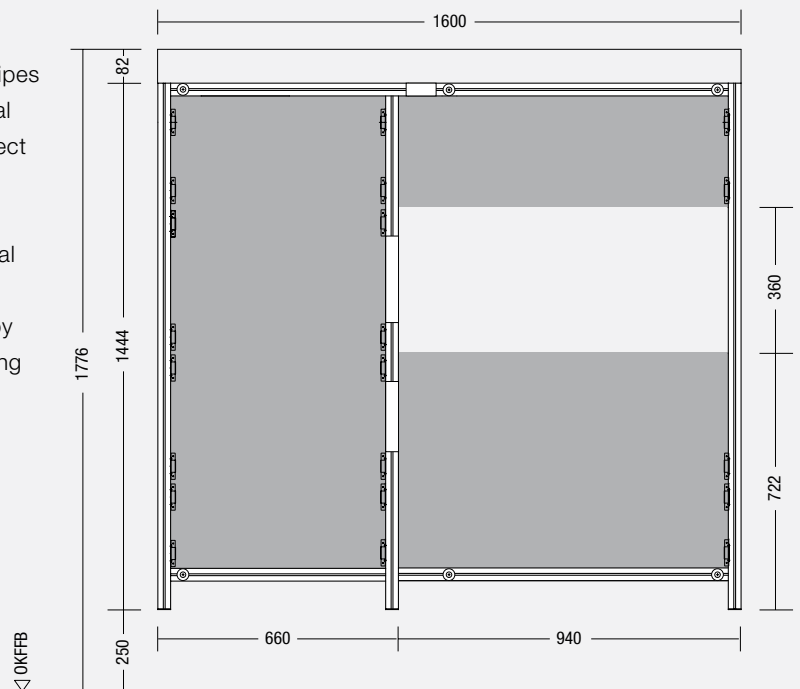
## Quick installation

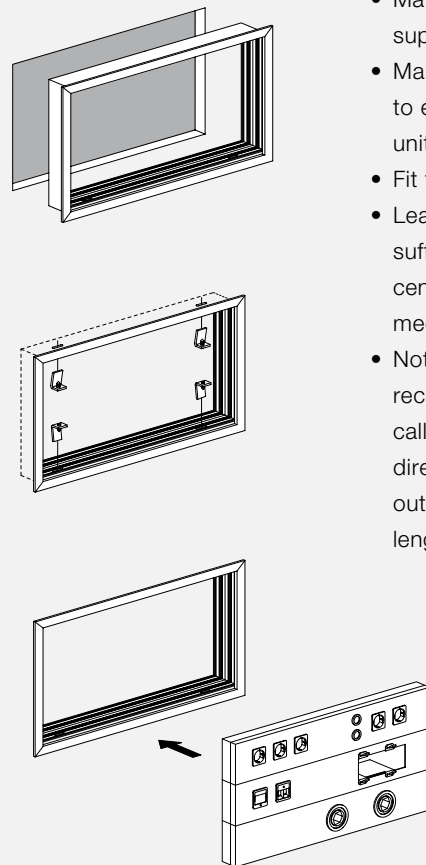
Easy installation thanks to central connection area



### Front-panel system

- Install mounting frame flat; use wall shims to level if required
- Make wall opening
- Lead cables in, allow sufficient length to reach central connection area of medical supply unit
- Fix medical supply module and luminaire on mounting frame
- Lead electric cables and pipes for medical gases to central connection area and connect in accordance with order documents
- Connect luminaire to central connection area
- Attach decorative covers by pushing them onto mounting frame





Recessed into wall

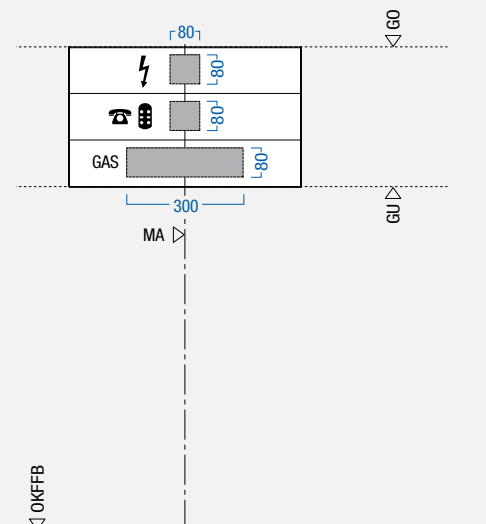
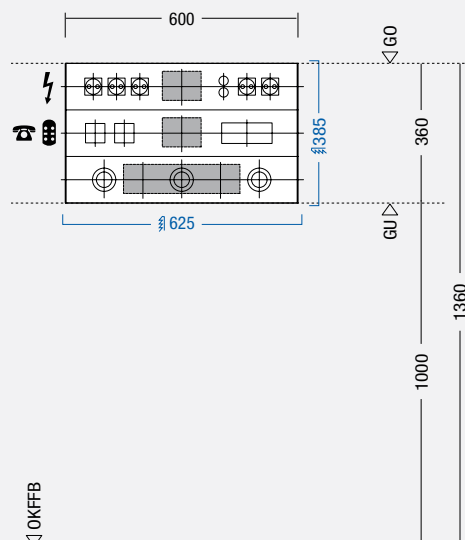
- Mark out edges of medical supply unit
- Mark out wall opening relative to edges of medical supply unit and make wall opening
- Fit the mounting frame
- Lead in electric cables, allow sufficient extra length to reach central connection area of medical supply unit
- Note: Where CONBOARD is recessed into the wall, patient call systems are connected directly to component without cutting; minimum excess length of leads 500 mm

Surface-mounted on wall

- Mark out feed-in areas of medical supply unit starting from bottom edge and centreline
- Ensure electric cables are long enough to reach central connection area of medical supply unit
- Note: Where CONBOARD is surface-mounted on the wall, patient call systems are connected directly to component without cutting; minimum excess length of leads 500 mm
- Transfer fixing points
- Drill fixing holes and fit wall plugs

General information concerning installation

Installation must take place in accordance with instructions and must only be carried out by expert skilled personnel.



■ = possible feed-in area

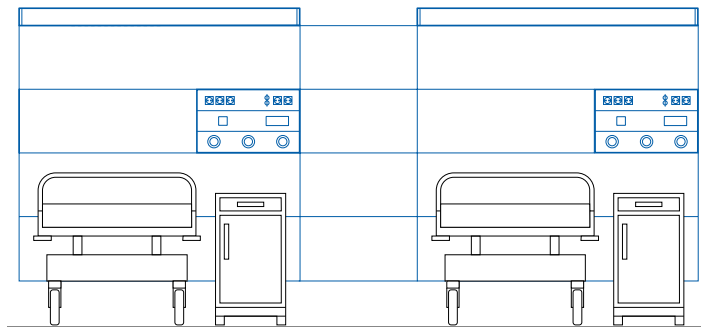
Abbreviations

- GO = Top side of unit
- GU = Underside of unit
- MA = Mounting centreline
- OKFFB = Top edge of finished floor

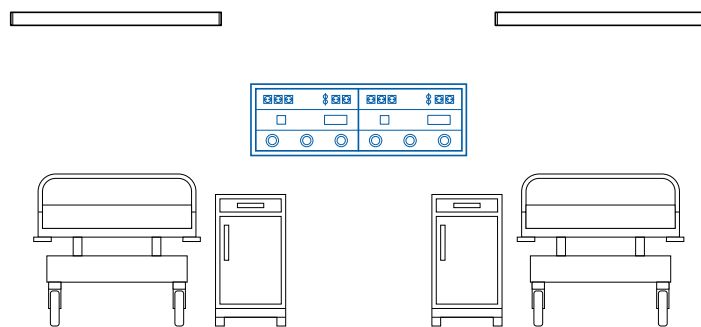
## CONBOARD ducting

Flexible in terms of number, alignment and length

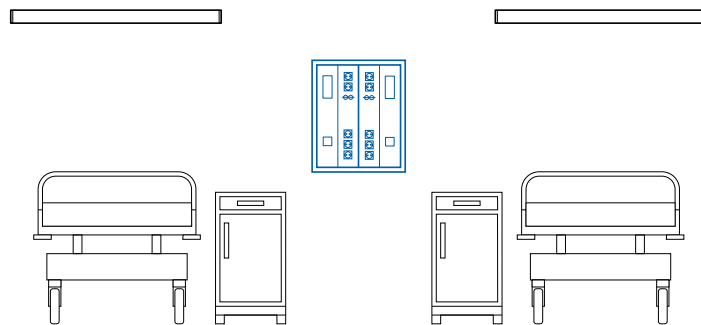
There are no limits when it comes to CONBOARD's versatility. The system can even be integrated easily into multi-bed rooms. Besides the classic layout – allocating one medical supply unit to each bed – there are many other alternatives. All CONBOARD elements are manufactured to any length and can be fitted with any components.



The gap between two front-panel systems can, for instance, be filled with decorative panels. This arrangement not only solves the issue of covering the wall between beds, it also makes way for through-wiring both medical supply units behind the front panel to reduce the cost of installation significantly.



CONBOARD provides equally compact solutions for both single-bed and multi-bed rooms. The medical supply unit also imposes no limits on the designer in terms of alignment.



CONBOARD medical supply units function equally well horizontally or vertically. If there is a reduced medical supply requirement, it is possible to use just two runs of duct. The strict segregation of media in separate ducting enables straightforward, logical paring down, if, for example, the ducting for medical gas supply is no longer needed.

Design hint

**Model:**      Front panel system      Wall-mounted      Recessed into wall

**Surface finish:**  Natural anodised finish  RAL \_\_\_\_\_  Decorative panel (front panel system only): \_\_\_\_\_

**Dimensions:**  Standard front panel system, 1,600 x 1,550 mm      Front panel system, special width (mm): \_\_\_\_\_

Recessed/surface-mounted basic module, 600 mm  Recessed/surface-mounted, special length (mm): \_\_\_\_\_

General and ambient lighting	Ballasts		Number	Circuit	Comments
	Low-loss ball.	Electr.ball.			
2 x 54 W T16	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
2 x 49 W T16	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Ambient lighting TC 5 W					
Slipper light 3.1 W LED	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Remote-control switch with built-in supply	<input type="checkbox"/>	<input type="checkbox"/>			

Only for CONBOARD front panel system

Reading light	Ballasts		Number	Circuit	Comments
	Low-loss ball.	Electr.ball.			
1 x 24 W T16	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
1 x 36 W TC-L					
1 x 36 W TC-L with EX switching 50/100%	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Remote-control switch with built-in supply	<input type="checkbox"/>	<input type="checkbox"/>			

Only for CONBOARD front panel system

Mains power	Make/type	Number	Circuit	Comments
Safety socket 230 V/16 A	Zumtobel standard			
Safety socket 230 V/16 A SV green	Zumtobel standard			
Off/changeover switch 230 V/10 A	Zumtobel standard			
Momentary-action switch 230 V/10 A	Zumtobel Standard			
Equipotential bonding pin (DIN 42801)	Zumtobel Standard			

Capacity of 600 mm basic module: up to 5 Zumtobel standard components as well as 2 equipotential bonding pins

Mains power	Make/type	Number	Circuit	Comments
Plug-in communication device				
Telephone socket				
Antenna socket				
IT socket				

Subject to testing of physical installation conditions

Capacity of 600 mm basic module: 1 plug-in device as well as 2 additional components

Medical gas duct	Make/type	Number	Circuit	Comments
Oxygen (pipe Ø 8 mm)				
Compressed air (pipe Ø 8 mm)				
Vacuum (pipe Ø 8 mm)				

Capacity of 600 mm basic module: up to 3 components

Additional notes, special arrangements

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**INDUSTRY  
AND ENGINEERING**



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AND LEISURE**



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**HEALTH  
AND CARE**



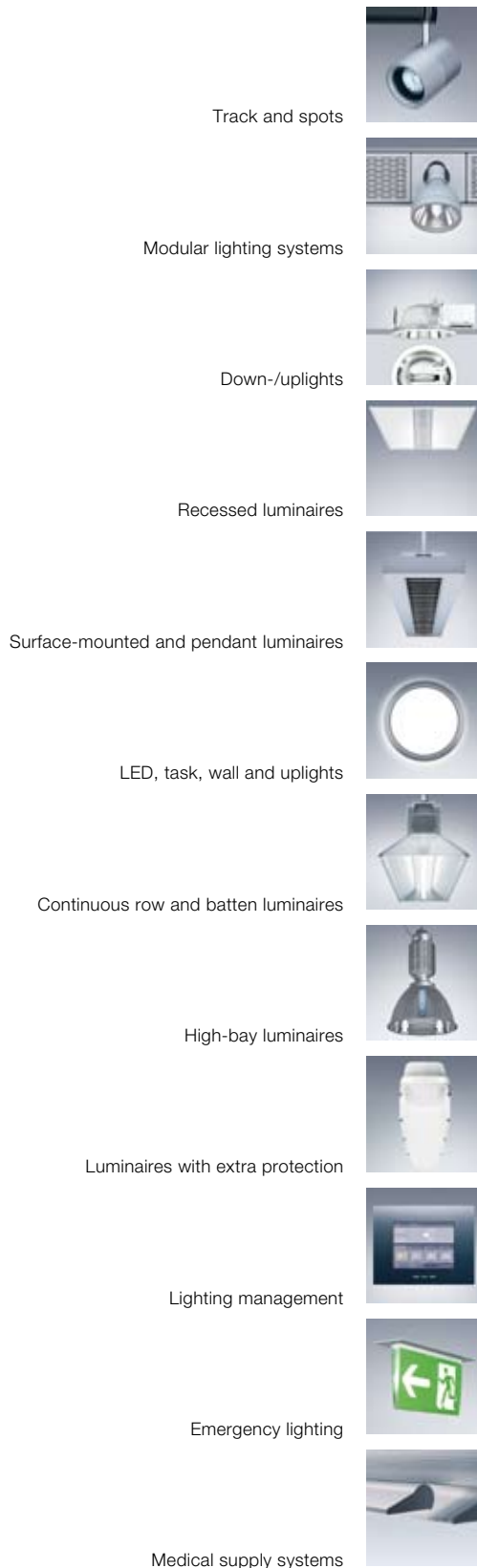
Zumtobel is the internationally leading supplier of integral lighting solutions for a wide variety of applications in professional interior lighting:

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We provide unique customer benefit by integrating technology, design, emotion and energy efficiency. Under the Humanergy Balance concept, we combine the best possible ergonomic lighting quality for people's well-being with the responsible use of energy resources.

The company's own sales organisations in twenty countries as well as commercial agencies in fifty other countries form an international network of experts and design partners providing professional lighting consulting, design assistance and comprehensive services.

**Corporate goal:** We want to use light to create worlds of experience, make work easier and improve communications and safety while remaining fully aware of our responsibility to the environment.



Track and spots

Modular lighting systems

Down-/uplights

Recessed luminaires

Surface-mounted and pendant luminaires

LED, task, wall and uplights

Continuous row and batten luminaires

High-bay luminaires

Luminaires with extra protection

Lighting management

Emergency lighting

Medical supply systems

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