



CLEAN II supreme
PURE LIGHT YOU CAN RELY ON



FUNCTIONAL

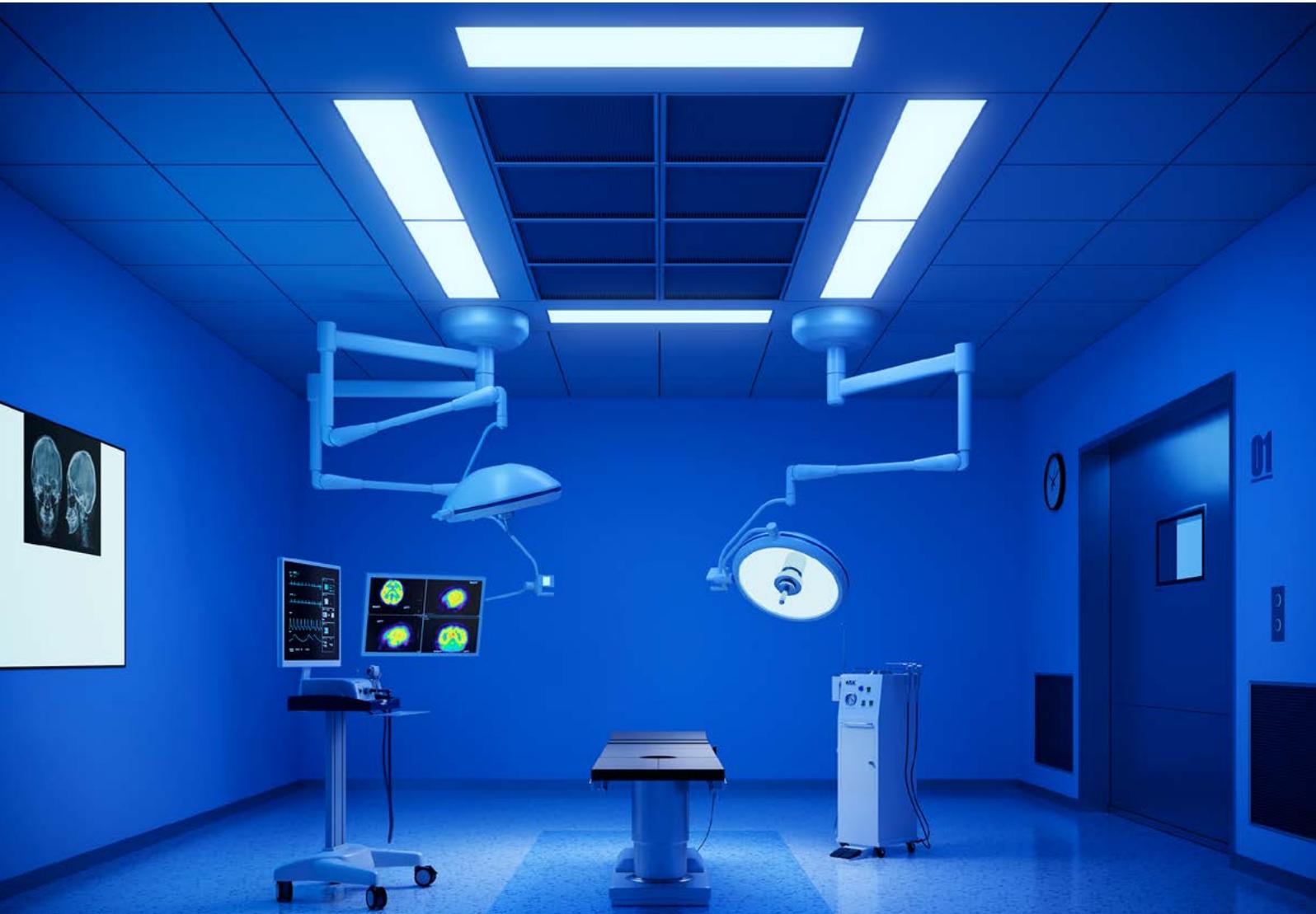
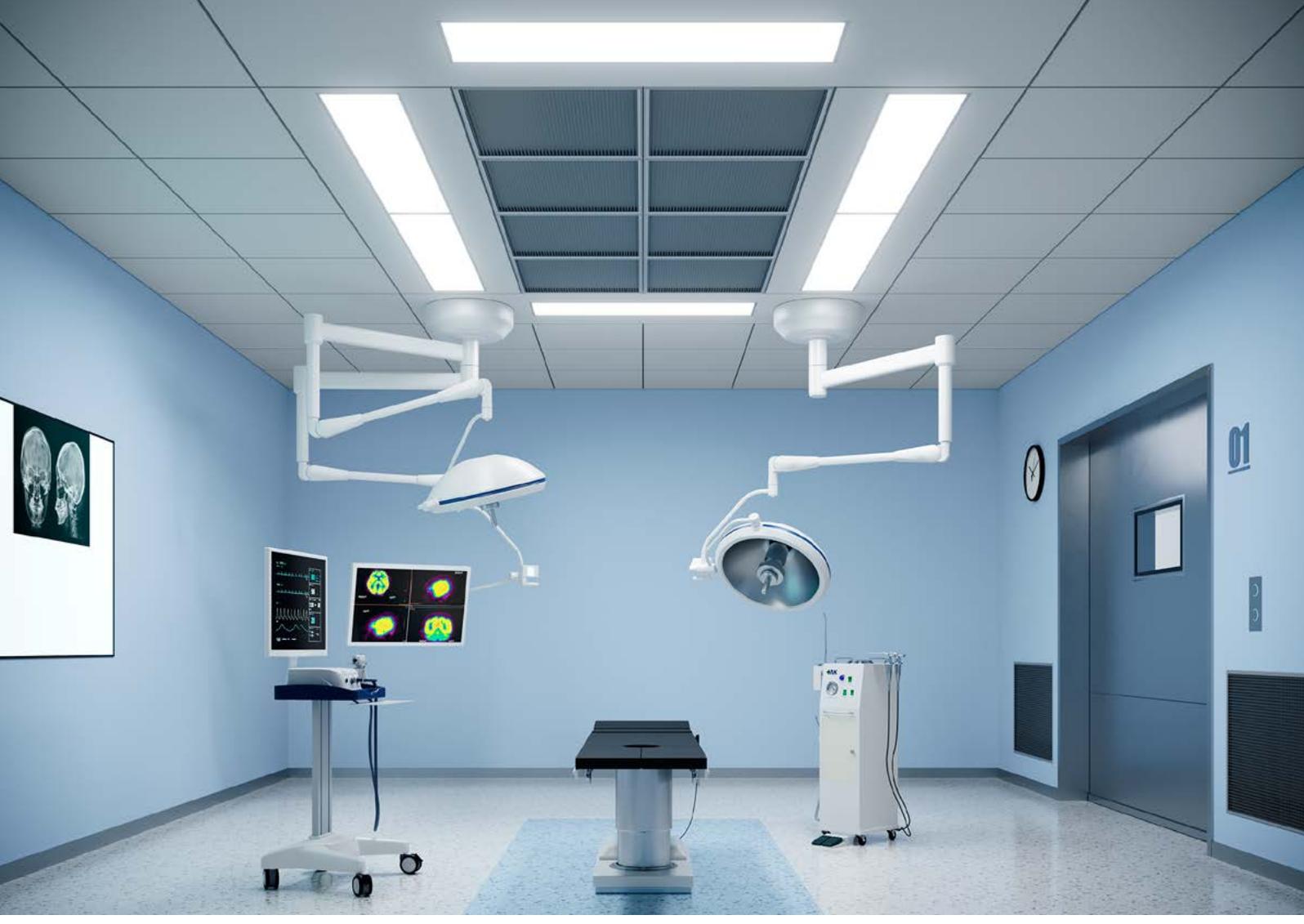
CLEAN II is developed according to hygienic design principles, and achieved both ISO and GMP ratings from the Fraunhofer institute. Couple this with supreme's high efficiency, space-saving profile, and varying light colour options and the result is effective lighting for all visual tasks in the cleanroom. Form follows function.



Produced with attention to the
DIN EN ISO 14644-1 standard and
GMP regulations.







ACTIVE

The ability of the luminaire to change between red, green, blue, and white light, as well as the double-asymmetric distribution actively respond to lighting requirements in medical establishments. The integration of tunableWhite technology can provide excellent support for the human circadian rhythm.

HUMAN CENTRIC LIGHTING – HEALTH-PROMOTING, NATURAL DAYLIGHT

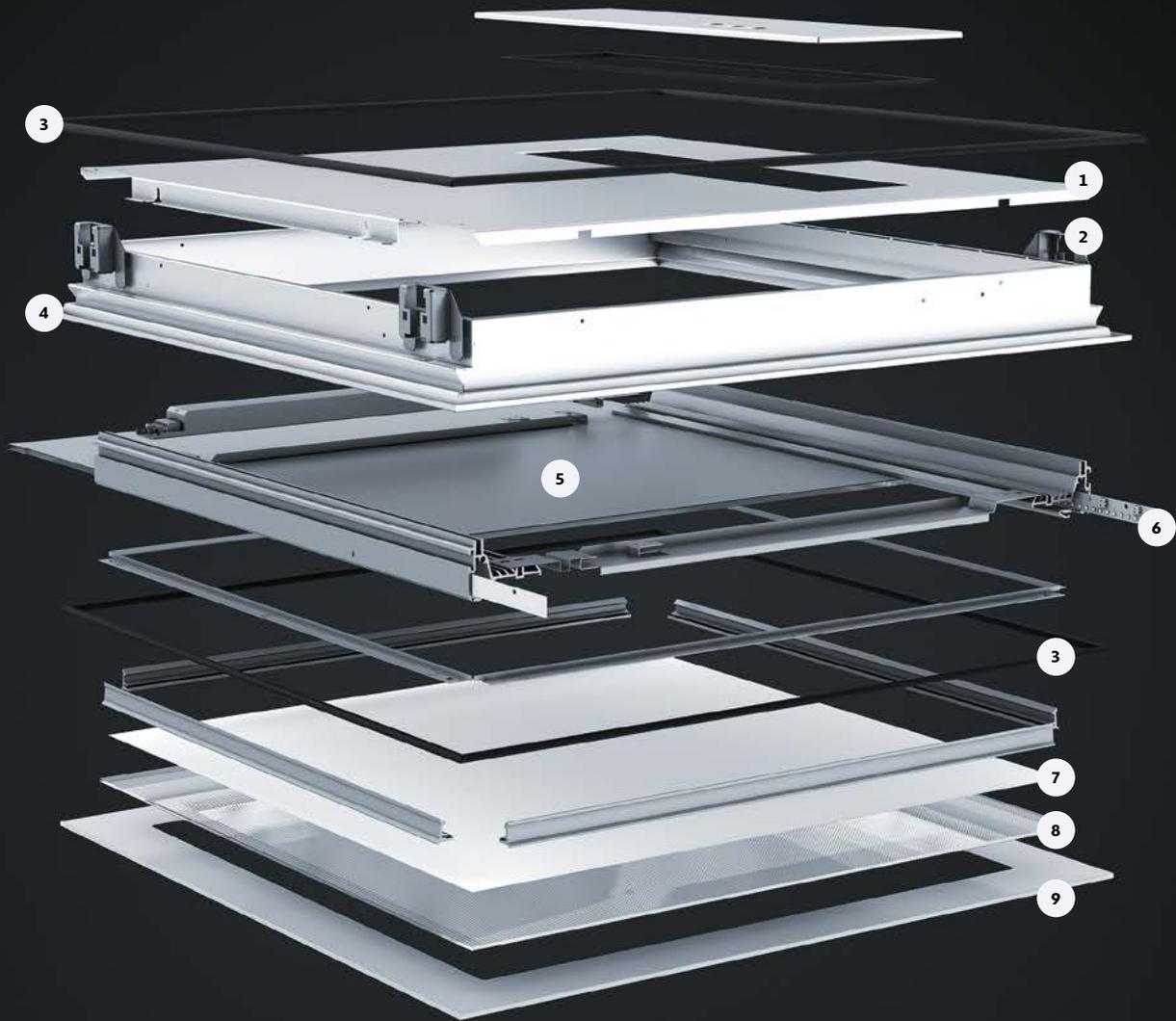
The tunableWhite technology is characterised by its excellent white quality. The calibration of the drivers and LED modules ensures that in the range between 2700K and 6500K, high colour consistency and a constant lumen output at any colour temperature can be achieved. The advantages of tunableWhite are the composition possibilities of different light colours and light intensities. Light in patient rooms and examination rooms can mimic the natural progression of light throughout the day and supports well-being, bodily processes, and concentration.

ASYMMETRICAL COLOUR CHANGE

During operations, the surgical field should be illuminated with white light (<2000 lux). It is easy and convenient to switch between one of the two asymmetrical beams of secondary light colours: blue or green. In the otherwise darkened room, the medical personnel are supported and patients can be treated safely.

DISTURBANCE-FREE LIGHT

Rooms in hospitals require powerful but interference-free light sources. Wide-beam, asymmetric, and glare-free light meets important requirements for carrying out demanding tasks in cleanrooms.



1

Removable rear panel for quick installation, and maintenance without the need to enter the room (only in the CLEAN II supreme ST variant)

2

Brackets for NIV-Set

3

Foam seal to protect the luminaire from the ingress of water, steam and cleaning agents

4

Powder-coated steel housing, resistant to aggressive cleaning agents

5

Removable Light Engine, equipped with side-lit technology, guiding the light over a laser pointed plate in order to guarantee a homogeneous output

6

High-quality LEDs based on a ceramic chip for excellent thermal management

7

Optical foil ensures homogeneous appearance

8

MPO+ guides the light precisely and evenly, reduces glare, and ensures high luminous efficiency

9

Tempered safety glass, specially prestressed for 3 times the resistance to breakage, creates a hygienic, easy-clean, chemically-resistant cover

OPTIMISED

The reduced luminaire height of the CLEAN II supreme is the answer to new structural demands. An increasing amount of technology has to be accommodated in ceilings, leaving significantly less space for luminaires. Our unique Light Engine allows us to reduce the height of the luminaire without compromising on functionality. This offers much greater planning freedom for lighting solutions, whilst maintaining maximum quality.

QUICK AND EASY INSTALLATION

The new luminaire can be installed, the driver maintained, or the Light Engine replaced quickly and easily in just a few minutes thanks to the new CLICK system. Technicians gain valuable time, while intelligent, easy installation saves money. The luminaire body and the frameless glass cover are resistant to cleaning and disinfection agents.

MAINTENANCE OUTSIDE THE CLEANROOM

Access via the rear of the luminaire (only valid for CLEAN II supreme top-mounting version) is particularly useful when it comes to maintenance in cleanrooms. Even as a recessed luminaire – with top mounting – sterile maintenance is guaranteed. The frameless luminaire is easy to clean and the room does not need to be entered again after first installation. The Light Engine can therefore be replaced outside the cleanroom.



P R E C I S E

A special feature of the CLEAN II supreme is the multi-layer micro-pyramidal optic MPO+. The light is refracted and guided in a controlled manner, with pleasant distribution even at steep emission angles. This allows for flexible positioning of the luminaire and offers precise light from any angle.

SAFE AND CLEAN

The CLEAN II supreme's non-porous, anti-static glass cover prevents the build-up of germs and bacteria – perfect qualities in a high-class cleanroom luminaire. The safety glass cover is 98% less likely to spontaneously break than conventional tempered safety glass. The use of extra-white glass avoids the green tint of conventional glass covers and ensures the high quality of light needed for precise and complex tasks.

MPO+ TECHNOLOGY – IN BRIEF

The micro-pyramidal optic refracts the light in a very defined and specific way. The light is directed and creates contrasts without multiple shadows, ensuring precise lighting that is particularly suitable for operating theatres and laboratories. Due to the rough surface of the pyramids on similar optics, it is noticeable that the light is refracted in different directions and the distance between the individual light beams varies. The result: diffused, imprecise light in the room. With Zumtobel MPO+, on the other hand, the refracted light beams are always parallel. The perfectly controlled light refraction creates a pleasant light with a perfect balance between diffused and directional light. High lumen packages ensure rooms flooded with light and optimal glare control.





Frauenklinik Freiburg | DE



Clinica Merli, Rimini | IT

industry *

RECESSED LUMINAIRE



Quadratic:



Lumen package: 4600 lm, 5600 lm, 6200 lm

Dimensions: M600Q 598 x 598 x 80 mm
M625Q 623 x 623 x 80 mm

Linear:



Lumen package: 4600 lm, 5400 lm, 6200 lm

Dimensions: M600L 1198 x 298 x 80 mm
M625L 1248 x 311 x 80 mm

Impact resistance:

IK03

Degree of protection:

IP65 (IP50 from above)

Housing material:

Powder-coated sheet steel

Cover material:

PMMA (polymethyl methacrylate)

Colour rendering CRI:

Ra 80, Ra 90

Light distribution:

Symmetrical (opal optic)

Colour temperature:

3000K, 4000K, 6000K

Control/lighting management:

DALI dimmable (LDO), bmLINK,
Bluetooth® Control (BC)

Emergency lighting:

E3D, central battery supply

* *CLEAN II industry provides the right light for demanding visual tasks in cleanrooms. The heat- and chemical-resistant cover combines hygiene with brilliant illumination for the food industry, laboratories and commercial kitchens.*

zumtobel.com/clean

supreme

RECESSED LUMINAIRE

RECESSED TOP-MOUNTING LUMINAIRE

SURFACE-MOUNTED LUMINAIRE



4600 lm, 6600 lm

M600Q 598 x 598 x 75 mm
M625Q 623 x 623 x 75 mm

4600 lm, 6600 lm

M600Q 598 x 598 x 75 mm
M625Q 623 x 623 x 75 mm

4600 lm, 6600 lm

Q610 609 x 609 x 57 mm

6200 lm, 6600 lm

M600L 1198 x 298 x 75 mm
M625L 1248 x 311 x 75 mm

6200 lm, 6600 lm

M600L 1198 x 298 x 75 mm
M625L 1248 x 311 x 75 mm

6600 lm, 8000 lm, 10000 lm

L1250: 1249 x 349 x 57 mm
L1550: 1549 x 349 x 57 mm

IK07

IP65 (IP50 or IP54 from behind for recessed luminaires)

Powder-coated sheet steel

Tempered safety glass

Ra 80, Ra 90

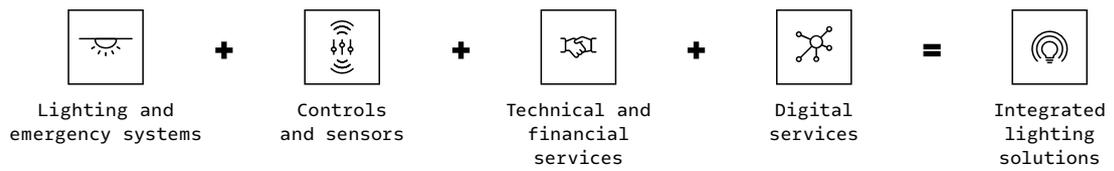
Symmetrical, asymmetrical (red, green, blue, white)

3000K, 4000K
tunableWhite (2700K to 6500K)

DALI dimmable (LDO), bmLINK,
Bluetooth® Control (BC)

E3D, central battery supply

T H E L I G H T



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