



Established in 2003, VG Medical, as a global leading valued brand, is specialized in field of OR and ICU, and offers the market with outstanding surgical lights, operating tables, medical ceiling pendant and digital integrated OR overall solution.

VG Medical adheres to the higher standard and practices the principle of quality first with our products feature being safe, effective and cost control centred. The motto "Feels so Good to Save" encourages us to continuously improve and innovate. VG Medical is now dedicated to the balancing of the industry monopoly and provide the world with better and cost worthy surgical products.



VG Medical Technology Co., Ltd.

Tel: +86-510-88816999

Fax: +86-510-88806999

Add: No. 35-201, Changjiang South Road, Xinwu District, Wuxi, Jiangsu - China.

Email: sales@vg-med.com

Web: www.vg-med.com

* Promotional material. Specifications maybe changed without notification. Please contact us for updated information

Vled

Everything is the light.



Outstanding quality
and the best VG medical
Engineering. We don't
compromise on the quality
of our equipment so
you don't have to
compromise on the
quality of your
work.



"Everything is the light."
- Nikola Tesla

Nikola Tesla was an inventor, physicist,
and electrical engineer. His life's work
is shaped by numerous innovations in the
field of electrical engineering, such as the
development of the system for electrical
energy transmission, now known as
two-phase alternating current.



Vled FEATURES

With its wide range of innovative features, the Vled is the spearhead in the development of modern operating room lighting systems and sets new standards in terms of manageability, light quality and efficiency.

Intelligent Shadow Management (Vled5500/7500)

Three highly sensitive sensors paired with an intelligent control system ensure perfect light and shadow colors in every ambient situation and optimizes the light output.

Easy handling

The handle with Sterile Control System (SCS) enables easy controlling of light color/focusing/illuminance.

Endoscopy Mode

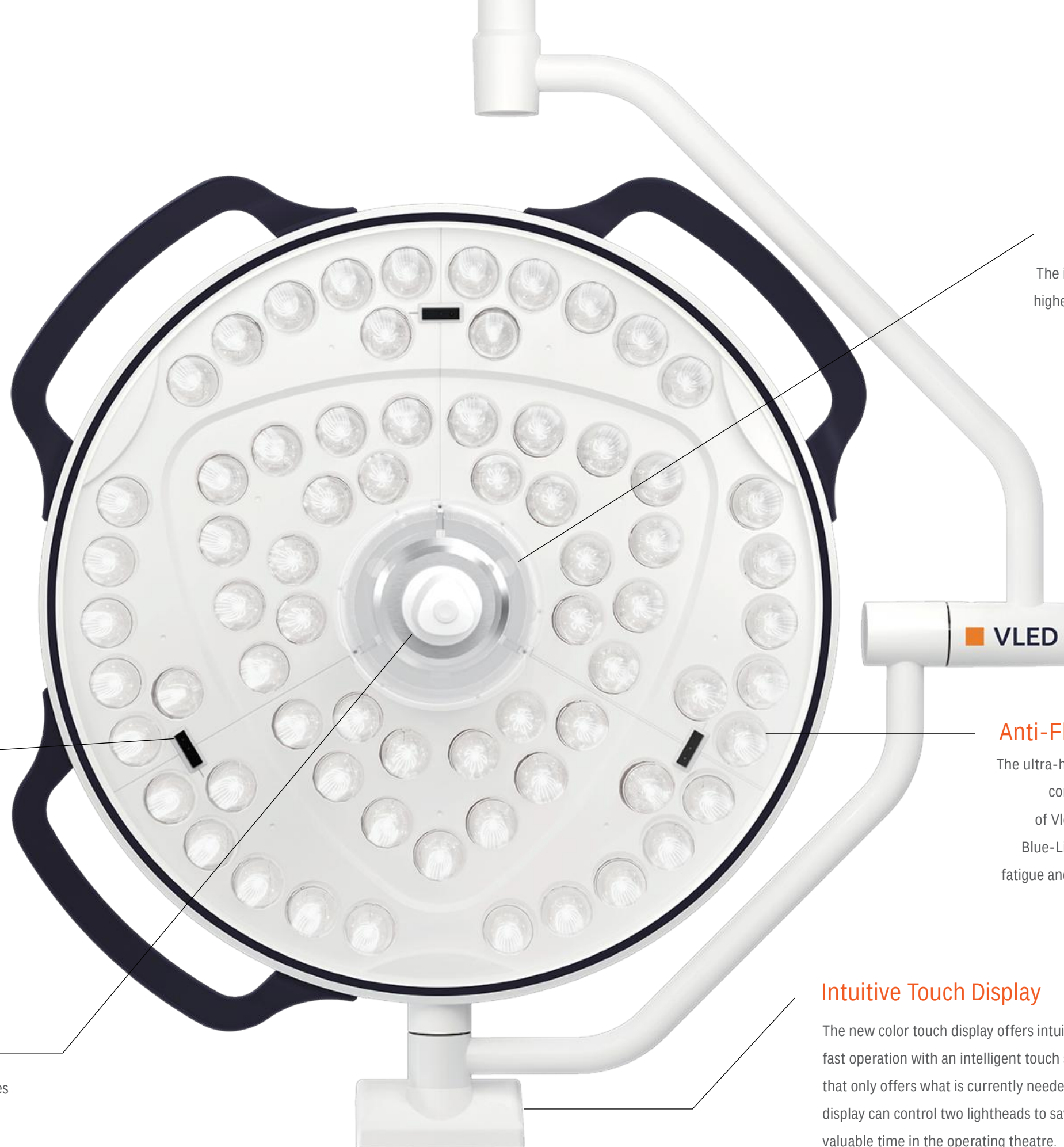
The inner area is illuminated for higher contrast on the monitor - optimally for minimal invasive procedures.

Anti-Flicker Technology

The ultra-high accurate digital current control in mA level is the key of Vled anti-flicker technology. Blue-Light-Free minimizes optical fatigue and maximizes visual comfort

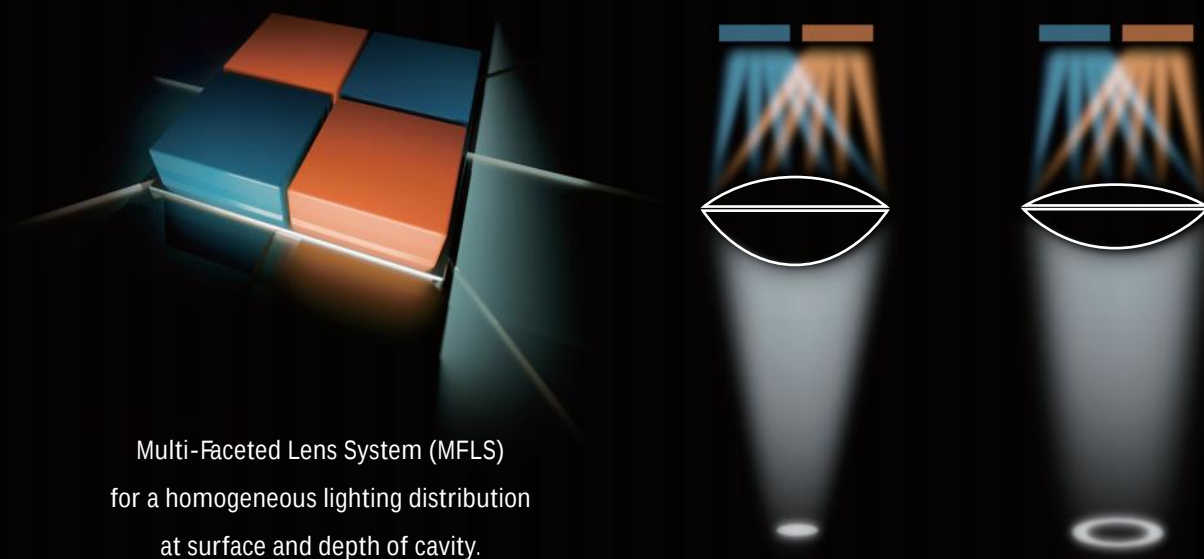
Intuitive Touch Display

The new color touch display offers intuitive and fast operation with an intelligent touch surface that only offers what is currently needed. Any touch display can control two lightheads to save valuable time in the operating theatre.



Vled TECHNOLOGY

With its wide range of innovative features, the Vled is the spearhead in the development delivering excellent color, contrast, clarity, and control.



Ultra FLAT-Design

The extremely flat and compact design of the Vled simplifies the cleaning process and facilitates handling. The aerodynamic shape is optimal for the laminar flow in the operating theatre.



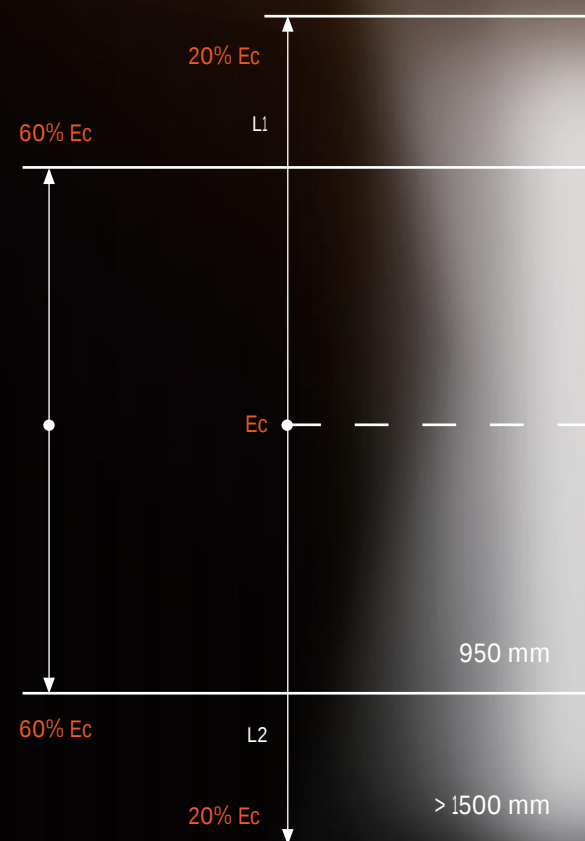
Perfect Pure Light with QUAD LED Technology

A homogeneous mixture of cool and warm LED light behind the lenses to produce a perfect pure white light with homogeneously same color temperature, illuminance and color mixing without color shadows.

$$d_{50} : d_{10} \geq 70\%$$

With an industrial leading $\geq 70\%$ of D50 / D10 ratio, Vled ensures an optimal visibility with minimal glare and prevents eye strain for surgeons.

Light spot diameter
180 - 330 mm

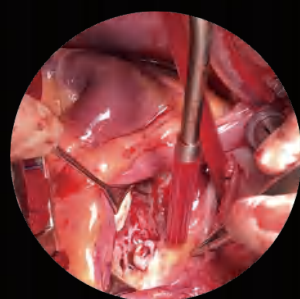


Brilliant view at any depth

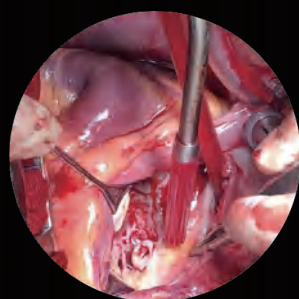
Perfect Surgical View at any depth and situation, including deep cavity procedures. Thanks to the excellent core light path design, Vled has a perfect and even illumination depth up to 1500mm – Free of repeated lighthouse adjustment during surgery to achieve higher efficiency with less energy.

True color for a precision surgery

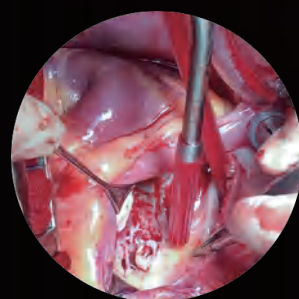
Five levels of color temperature from 3500K~5100K (Vled7000/7500), color rendering index 97 - Vled presents the true color of every type of tissue.



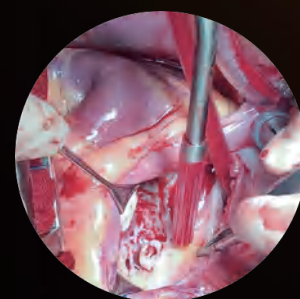
3500K



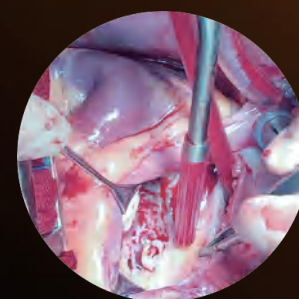
3900K



4300K



4700K



5100K

Quick management of illuminance



Easy adjustable Spot-Size



Controllable Color-Temperature (Vled7000/7500)



Steril Control System



Sterile Control System (SCS)

The handle with Sterile Control System (SCS) enables you to work independently from non-sterile personnel. It allows you to easily control your surgical light yourself. The integrated multi-functional technology is easily accessible.

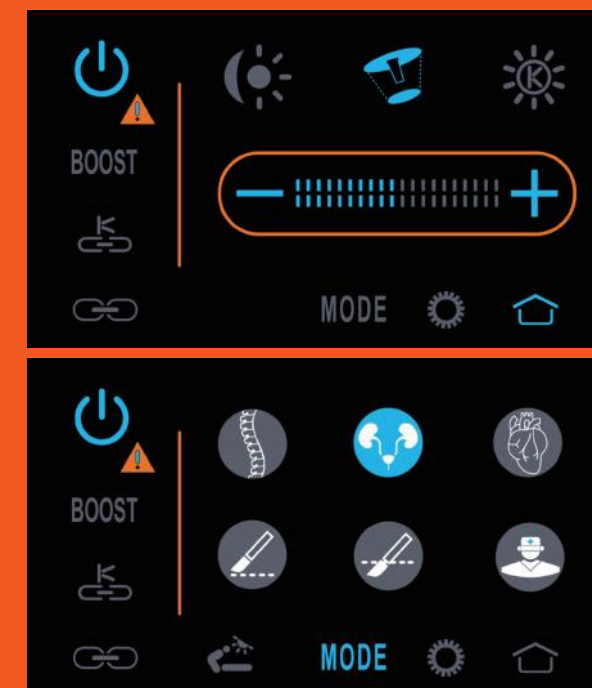
Vled HANDLING

Ease of use with a
color touch screen
and intuitive user
interface

The unique Vled design provides a straight-forward operating concept that is appreciated by surgeons and caregivers around the globe. The central handle can be sterilized, making it easy to operate and adjust essential functions during surgery. Any touch screen can control two light heads, and the color temperature is automatically synchronized, saving valuable time during surgery. Data transmission interface to facilitate intelligent OR integration.



Perfect modes for perfect work
- in every situation Vled
is your partner.



Spine Mode
Urology Mode
Cardiac Mode
Superficial Mode
Deep Cavity Mode
Memory Function

Surgery Mode:
one-key to activate
the surgery mode
and its pre-settings.

Vled FUTURE PROOF

The easy future upgrade-ability secures your investment for many successful treatments.

Vled surgical lights are upgradeable. The latest wireless camera technology.
* Applicable only with a fast connector handle

Camera

HD or UHD 4K camera can be integrated as a handle with fast connector.

Handle

The handle with Sterile Control System enables the light to be adjusted quickly and precisely.

Vled DATASHEET

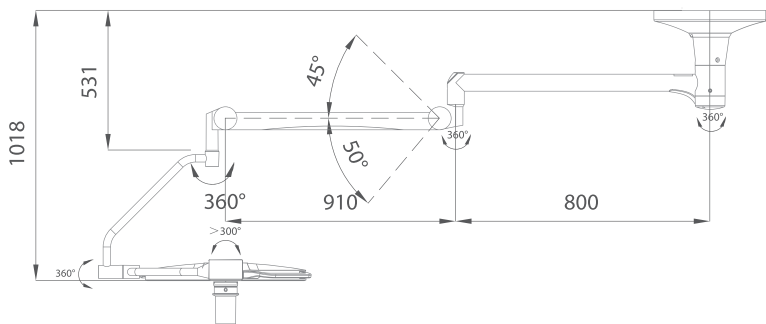
Illumination level Ec in 1 m (lx)	40,000-160,000
Ambient light (lx)	4,000-12,000
Color temperature (K)	4300 (Vled5000/5500) or 3500-5100 (Vled7000/7500)
Light patch diameter (mm)	180-330
d ₅₀ / d ₁₀ ratio	70%
Color rendering index (R _a)	97
Color rendering index (R ₉)	97
Color rendering index (R ₁₃)	99
Depth of illumination at 20% (mm)	1500
Depth of illumination at 60% (mm)	950
Total irradiance (W/m²)	450
Light head size (mm)	600
Average service life of the LED's (h)	60,000

Vled SYSTEM

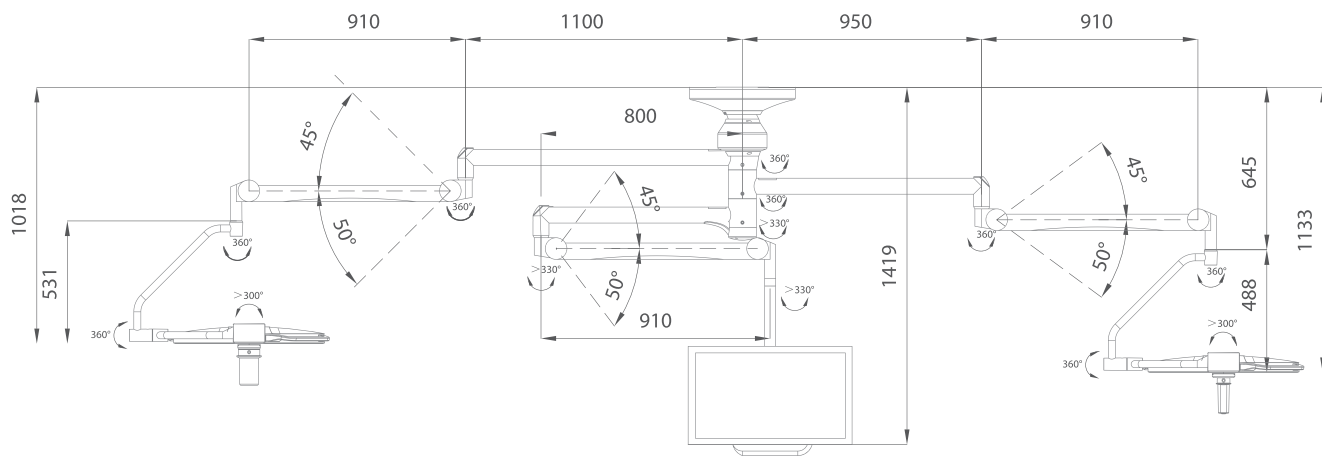
Modular system
adaptable to every
conceivable
OR situation

Ceiling-mounted suspensions allow
unlimited rotation and integration of
arms for a camera or monitors, in
addition to the lightheads.

Single light system



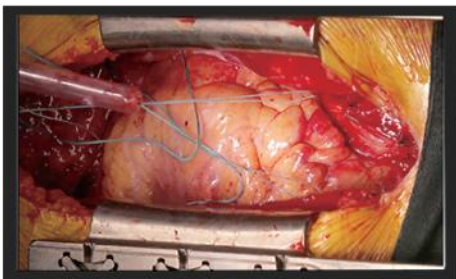
Double light system
with monitor and camera



*all Dimensions in mm

Modular Systems for everyday use

Vled is supported by a modular suspension system
that features simple system maneuverability and
effortless gliding through a lightweight design. The
suspension system is designed with carefully chosen
materials to withstand the rigors of everyday usage
and today's harsh cleaning chemistries.



● Standard ○ Optional

Model - Vled		5000	5500	7000	7500
Color temperature	4300K	●	●		
	3500K-5100K			●	●
Control handle	Non-fast connection	●	●	●	●
	Fast connection			○	○
Camera	Non-fast connection	○	○	○	○
	Fast connection			○	○
Intelligent shadow management			●		●
Endo mode		●	●	●	●
Wall control unit		○	○	○	○