VOLISTA®

GETINGE GROUP

Setting the standard for operating rooms

This document is intended to provide information to an international audience outside of the US

VOLISTA®

Stay focused on your aim

The assurance of quality: Getinge is a world-leading supplier of medical equipment for operating, hybrid and induction rooms, intensive care units and patient transport. Getinge always gives top priority to the needs of healthcare staff and patients in the development of its products. For safety, efficiency and cost reduction, Getinge provides solutions to the issues facing hospitals.

Drawing on its expertise in surgical lights, ceiling service units and multimedia solutions, Getinge focuses on quality and innovation to provide optimal solutions for patients and healthcare staff.

With VOLISTA, Getinge goes one step further by offering surgeons a modular system for adapting lighting to their needs. VOLISTA range extends in a gradual offer with:

- VOLISTA Access
- StandOP® VOLISTA

VOLISTA® range
Authentic vision

During open surgery, surgeons require to see clearly in order to operate in even the most difficult conditions.
An operating light that contributes to a safe interpretation of the patient's condition is essential. VOLISTA's unique design fulfills this need by providing constant illumination with natural colors.

Enhanced safety:
Reduce day-to-day stress and improve safety for patients and surgical teams alike.

- The VOLISTA® lightheads integrate an innovative white LED-driven technology, offering unrivalled stability over time and avoiding colored cast shadows.
- Optimal color rendering (Ra 95) for a perfect view of tissues.
- Low radiating energy offers extra protection for sensitive patient tissues.
- All LEDs are independently controlled by smart electronics and will continue to provide maximum illumination, even in the case of individual LED failure.

Enhanced performance:
Work in the best possible conditions in order to concentrate exclusively on the patient throughout the procedure.

- The homogeneous light volume provides a column of useful light even in the deepest cavities, without adjustment.
- Consistent illumination, easily adjustable for all types of surgery.
- Uniform light distribution (d50/d10 ratio close to 0.6) to preserve surgeons' visual acuity and color vision.

Enhanced ambient work:
VOLISTA offers a specific green ambient light mode which brings a peaceful vibe to the operating room.

Ambient light:

- Improves contrast for a better view of screens during minimally invasive surgery.
- Gives minimum illumination for peripheral staff and anesthesist during minimally invasive surgery.
- Welcomes the patient into the OR with low light, to reduce stress.

Ready for the future:

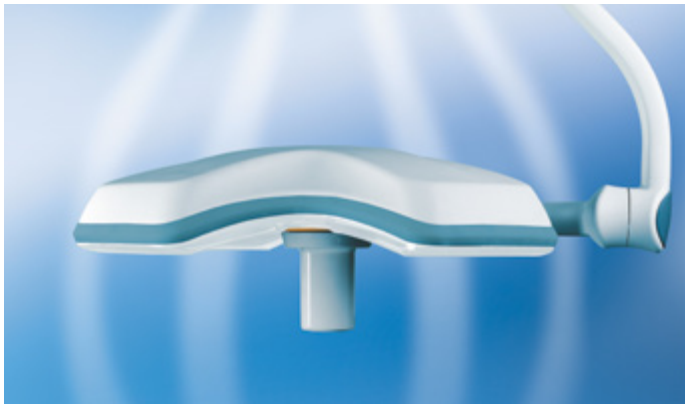
- VOLISTA is systematically pre-configured for HD imaging, ready to incorporate new equipment (HD cameras and monitors) with minimal operating suite downtime.
- Compatible with SATELITE® mountings for a future-proof multimedia platform at the heart of the operating suite.

Give more autonomy:

- The optional “Tilt” handle allows the sterile staff to adjust the light patch diameter to the operating cavity during surgery.
- No need to ask the circulating nurse to do the setting.
- Five diameters are available to fit the cavity.

Make the most of wireless technology:

- The Quicklock system allows wireless HD cameras to be quickly and easily switched between lightheads and operating suites, without the need for tools.
- Signals are transmitted instantaneously and images are displayed with no visible latency.
- A dependable, encrypted transmission protocol for seamless integration.



Reduce the risk of infection.

- The X and Y shapes of VOLISTA lightheads ensure excellent compatibility with laminar flow ceiling systems.
- The touchscreen control panel takes account of operating suite hygiene requirements.
- The paint used reduces bacterial adhesion and facilitates manual cleaning.

MAQUET

VOLISTA® Access
Get to the essential

Give access to VOLISTA technology:

Support surgeons with the best possible light

- Mounted in an elementary suspension assuring essential functions of the surgical light
- Basic wall keypad to centralize and control all functions, with or without any battery backup
- Wireless HD ready or full HD cameras available

Prevent complicated situations:

- VOLISTA's boost function offers reserve illumination capacity up to 160,000 Lux.
- This genuine reserve illumination is available at all times.

Stabilize illumination:

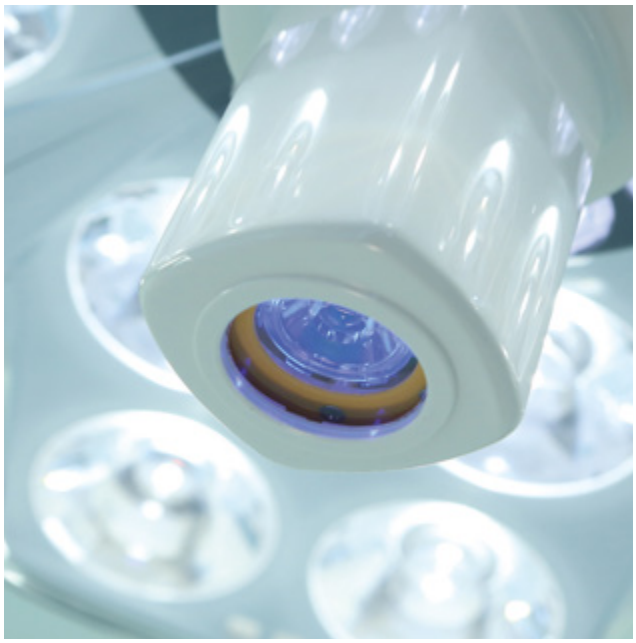
The FSP (Flux Stability Program) system perfectly stabilises the illumination, avoiding lighting variations inherent to LED technology. FSP guarantees constant illumination throughout a surgical procedure.

Control at any time:

All main functions available at the lighthead with:

- On/Off
- Standard lighting or ambient lighting and dimming
- Adjustment of the light patch diameter
- Zoom if a camera is set
- Warning and battery indicators

StandOP® VOLISTA®
And much more ...



Protect your eyes

The LMD (Luminance Management Device) system regulates the illumination reaching the surgeon's eyes. This optical innovation maintains optimum visual acuity and avoids difficulties in adapting to excessive variations in luminosity. Surgeons are assured of equivalent light levels when they look at dark cavities or light tissue.

Move freely

The AIM system automatically compensates for shadows by increasing the light output level of the LEDs that are not masked. This function offers total freedom of movement without any drop in illumination.

Safe interpretation of tissue condition

VOLISTA uses only white LEDs, offering totally faithful color rendering with no colored cast shadows. The color temperature can be adapted using an innovative, patented three levels cold filter system. By offering true, authentic and reliable color temperature variation, VOLISTA is the only light to guarantee constant rendering.

Simple yet powerful controls.

- A touchscreen control panel centralizes all information
- Access to lighthead and camera settings
- Lighthead synchronization
- Presets for storing favourite settings
- Assistance with preventive maintenance, including backup, power supply testing, operating parameter storage and self-diagnostics

VOLISTA® range
Authentic vision

Suspension arms

Access suspension

StandOP suspension

SATELITE® anchoring system

ROLITE®

Lightheads

VOLISTA Access 400

VOLISTA Access 600

StandOP® VOLISTA® 400

StandOP® VOLISTA® 600

Multimedia equipment

Single flat screen

Double flat screen

ORCHIDE® HD

Wireless camera (Full HD and HD ready)

LMD (only on Stand OP)

VOLISTA® range
Technical data

StandOP® VOLISTA® / VOLISTA Access lightheads

Optical and photometric specifications	StandOP VOLISTA	VOLISTA Access
Nominal illumination (lx)	130,000	
With Boost mode	160,000	
Diming range (%)	10-100 % with eye sensitivity response	
Field diameter (cm/inch)	20 - 25 / 7.9" – 9.8"	
d50 / d10 ratio	≥ 0.55	
Illumination depth at 60% (cm / inch)	50 / 19.7"	
Color temperature (K)	Fixed : 3,900 Adjustable: 3,900 to 5,100 (3 levels)	4,300
Radiant energy (mW/m².lx)	3.4	
Irradiance (W/m²)	< 500	
LED service life (h)	> 60,000	

Shadow dilution	StandOP VOLISTA*		VOLISTA Access	
	VOLISTA 400	VOLISTA 600	VOLISTA 400	VOLISTA 600
With two masks	66 %	86 %	51 %	54 %
With one lateral mask	100 %	100 %	71 %	75 %

*With LMD (Luminance Management Device) and AIM (Automatic Illumination Management)

Light level values may vary by 10%.
** In standard mode.*
*** Light field diameter given for 10% central illumination, 1 m below the lighthead.*
All values are measured in accordance with the IEC 60601-2-41 standard.

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