

Superior lights – This is the new Q-Flow™

Q-Flow^{IM} is an intelligent solution for any operating theatre. The design is optimised for laminar air flow, which decreases the air flow circulation at the operating area. This reduces contamination possibilities.

Q-Flow^{IM}'s Dynamic Obstacle Compensation (DOC^{IM}) adapts automatically to the shadows in the light field. Intuitive Sterile Surgeon Control (IntueriTM) brings more safety to the operations and ergonomics for the surgeon.

The user interface has been designed with the user in mind - anyone can use it!

Q-FlowTM's color rendering is perfect with R9 value being the best in its class (R9 99).

In addition to all the superb features mentioned Q-Flow™ has excellent illumination properties with a deep column of light - not forgetting green ambilite which provides a consistent light to see images and read monitors.

Designed and manufactured in Finland, Q-Flow is the light at choice for any surgical team.

Benefits



INTUITIVE AND EASY FOR THE SURGEON

- Less stress for the eyes thanks to green ambilite
- Optimal control without complex puttons with Intuitive Sterile
 Surgeon Control (Intuerith)
- First class definition to tissues and blood vessels with the best R9 colour rendering and Ra colour definition along with 4K camera technology
- Dynamic Obstacle
 Compensation (DOC™) gives
 perfect light for any
 circumstance even if the light
 beam is masked



COMFORTABLE AND CONVENIENT FOR HEALTH CARE STAFF

- · Intuitive user interface
- Seamless control of light and camera through a single interface
- Light weight and easy to manoeuvre light heads and arms



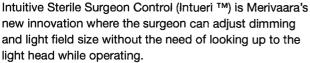
COST-EFFICIENT FOR THE CLINIC

- Designed, tested and optimised for the ultra clean ventilated environment
- Recluces the clinical risk for the patient
- Innovative future proof control allowing for various different interfaces
- OpenOR theatre management system
- Cardanic touch screen
- MeriMote tablet control for both Promerix surgical table and Q-Flow lights
- · Always "HD camera ready"



Q-FLOW**

Intuitive Sterile Surgeon Control (Intueri™)



The interface will automatically appear around the operating area when the user grabs the handle. Patent is pending for this new revolutionary innovation.

The handle is sterile for the surgeons use.

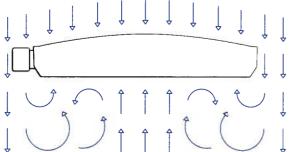


Design optimised for laminar air flow (Q-OptiFlow™)

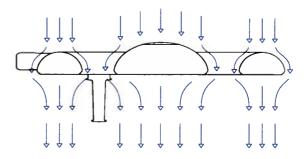
Hospital associated infections (HAIs) are highly recognized challenge in hospitals around the world. HAIs increase morbidity, mortality and length of hospital stay as well as health care costs. The prevalence of HAIs in Europe is around 7,1 % with more than 4 million patients affected annually. In US approximatelly 1,7 million patients are affected by HAIs annually.

One reason for contamination is uncontrolled air flow in operating theatres. Q-Flow is designed for optimized laminar air flow. With traditional surgical light heads the air flows upwards to the operating area with increased particle content. Particles create increased infection burden for the patient. With new optimally designed Q-Flow there is no additional particle burden to create infections at the operating area.





WITH OPTIMISED LAMINAR FLOW DESIGN - Q-FLOW™





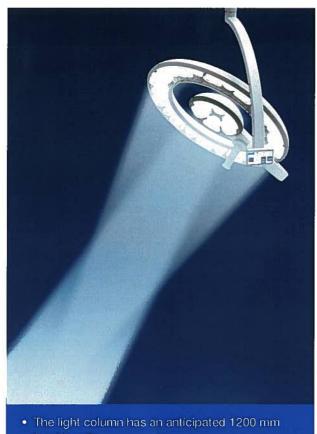
Superb Color rendering

The colour rendering of Q-Flow is outstanding. R9 value is the best in its class R9 99 (expected), which means a perfect value of red rendering for the surgeon. This allows better definition of tissues and blood vessels for the surgeons.

Test Colors Used in Calculating CRI



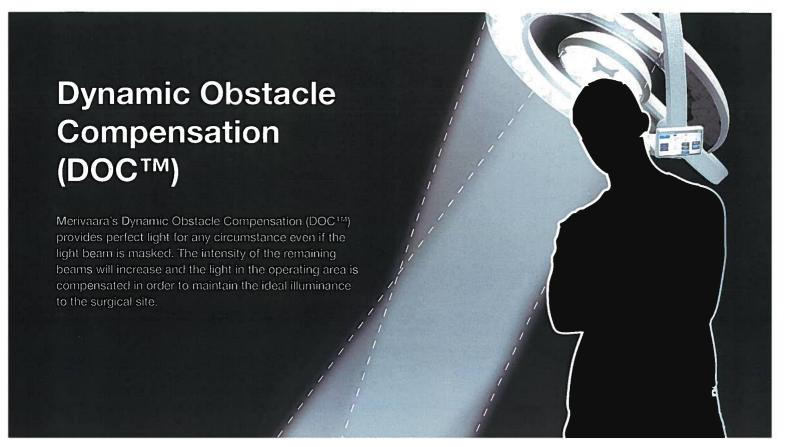
Deep column of light & Ambilite



- 20 % should be awesome.



This is kinder for the surgical teams' eyes and





Intuitive User Interface (UI)

The intuitive user interface of Q-Flow helps the user to control the light and camera(s).

Q-FLOW~

Technical Specifications





	Q-Flow 6i	Q-Flow 6	Q-Flow 4i	Q-Flow 4
Max illumination @ 1.0 m	160 klux	160 klux	140 klux	140 klux
Color rendering index (Ra)	98	98	98	98
Red color Rendering Index (R9) (9=alaindex)	99	99	99	99
Variable Color Temperatures	3800 / 4500 K			
Large Light Field Diameter	180–380 mm	180–380 mm	180–330 mm	180–330 mm
Green Ambilite	X	X	Х	X
Touch panel control	X	X	X	X
OpenOR compatible	X	X	X	X
MeriMote compatible	X	X	X	X
Integrated camera control unit	Х	X	X	X
Full HD camera ready (1080p60)	X	X	X	X
4K camera system (3840*2160p30)	0	0	0	0
Intuititive Sterile Surgeon Controls (Intueri™)	Х	-	X	_
Dynamic Obstacle Compensation (DOC™)	X	-	X	<u> </u>





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