



Hillrom™



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iLED® 7 Surgical Light

The World in a New Light

# INTELLIGENT LIGHTING

**Innovative technology is a key factor to consider when improving the OR environment. With its new generation of LED OR lights, Hillrom is once again setting new standards: the iLED® 7 Surgical Light — the LED light that thinks.**



At Hillrom, patient safety and ease of use are always primary considerations in the development of new products. In accordance with this principle, the revolutionary technology of our LED OR light enables OR personnel to work under optimum lighting conditions at all times.

The automatic lighting management system uses the latest 3D sensor technology to continuously analyze the surgical area, automatically adapting the lighting conditions and eliminating the need for manual adjustment. In addition, an innovative shadow management system ensures that unwanted shadows, such as those cast by the surgeon's head, are compensated automatically. The surgeons are able to fully concentrate on their work, to the full benefit of the patient.

## Why the iLED® 7 Surgical Light is the right choice:

- The lighting management system automatically maintains the brightness, and a consistent pattern size.
- The unique shadow management system ensures superior illumination at all times.
- Once the desired settings are established, lighting conditions remain consistent at working distances between 31" and 51".
- Flexible due to best-possible lighting conditions at working distances of between 0.8 and 1.3 meters in all disciplines.
- Streamlined design for enhanced air flow.
- The modular concept allows it to be fitted with a standard handle, sterile operating handle, disposable handle or camera.
- An intuitive, practical and adaptable operating concept.
- Future-proof with integration options from Hillrom.





# THE SMART FEATURES OF THE iLED<sup>®</sup> 7 SURGICAL LIGHT

## SMARTASSIST

The iLED® 7 Surgical Light's sensor-controlled assistance system provides even lighting conditions and eliminates shadows, even when the surgeon is working directly beneath the OR light. The system identifies obstacles in the field of illumination and activates or deactivates individual LED modules accordingly. As a result, the surgical field is properly illuminated without the need for manual adjustment allowing the surgeon to focus on the patient and the task at hand.



3D sensor technology provides consistent lighting of the surgical site.

## SMARTILLUMINATION

If the usual working distance is changed, the 3D sensor in the iLED® 7 Surgical Light automatically adjusts the light field size and illumination level of up to 160,000 lx. The OR Staff is able to work under consistent lighting conditions at all times, without the need for manual adjustment saving time and allowing the surgeon to focus on the surgical site.



Consistent illumination at every working distance.

## SMARTMODULARITY

The uniform handle unit enables the iLED® 7 Surgical Light to be equipped with a standard handle, sterile operating handle or disposable handle making it adaptable to the current staff requirements. If you purchase the TV Wireless Camera now or in the future, it can be connected without the need for modifications.



Various handles can be fitted to the handle unit for functional flexibility.



**Streamlined design for enhanced air flow.**

## SMARTDESIGN

The slim design of the iLED® 7 Surgical Light was developed for the specific requirements of the OR personnel. Not only can the OR light be used in operating rooms with conventional ventilation systems, it is also ideal for rooms with laminar air flow systems. Key design elements include the opening in the center of the light, the rounded lines and the smooth surfaces, which are also easy to clean. A combination of lightweight materials and compact design makes the iLED® 7 Surgical Light easy to position.



**Intuitive and reliable wall control.**

## SMARTCONTROL

All settings on the iLED® 7 Surgical Light can be entered using a touchscreen mobile tablet or a wall-mounted operating panel. The clearly designed graphic interface enables intuitive operation. Basic functions can also be adjusted directly on the light head. A sterile handle is also available as an option, giving the surgeon the availability to quickly manage selected functions of the iLED® 7 Surgical Light.



**For standard working distances, you can select from three preconfigured light field sizes.**

## SMARTPATTERN

Consistent lighting field sizes are available for the commonly required distances in surgery of 0.8 to 1.3 meters. With the unique SmartPattern function, three different sizes are available. After setting the illumination field size, the iLED® 7 Surgical Light automatically stores the setting even after manual adjustment of the working distance.



## COMPATIBLE WITH THE LATEST GENERATION OF CAMERAS

The iLED® 7 Surgical Light can be directly connected to the innovative and delay-free TV Wireless Camera System via the handle unit interface, providing brilliant recordings in full HD. Individual images for documentation purposes are possible using the snapshot function. Benefits of wireless technology are the ability to install and/or upgrade this system at no additional cost or the need for complex video cabling. In addition, it can be controlled from the mobile tablet or wall-mounted operating panel.

TV Wireless Camera System provides excellent image quality and encrypted transfer provides maximum data security.

### Technical Specifications

Illumination level $E_c$ in 1 m (lx)	160,000
Focusable light field size (d10) in 1 m	16-25 cm (6.3-9.8")
Color temperature (K)	3,500   4,000 4,500   5,000
Color rendering index (Ra)	max. 97
Dimming range (%)	Endo <10 30-100%
EN ISO 60601-2-41 2nd Edition: Depth of illumination (L1+L2) at 20% $E_c$ / 2nd Edition	193 cm with ALC Plus (76")
EN ISO 60601-2-41 3rd Edition: Depth of Illumination (L1 + L2) at 60% $E_c$ / 3rd Edition (cm)	109 cm with ALC plus (43")
Shadowing with 1 shadower without tube	92%
Shadowing with 1 shadower with tube	91%
Shadowing with 2 shadowers without tube	68%
Average service life of the LEDs (h)	>60,000

Values are subject to a general industry tolerance of  $\pm 10\%$ .



**Hillrom™**

#### **ABOUT HILLROM**

Hillrom is a global medical technology leader whose 10,000 employees have a single purpose: enhancing outcomes for patients and their caregivers by advancing connected care. Around the world, our innovations touch over 7 million patients each day. They help enable earlier diagnosis and treatment, optimize surgical efficiency and accelerate patient recovery while simplifying clinical communication and shifting care closer to home. We make these outcomes possible through connected smart beds, patient lifts, patient assessment and monitoring technologies, caregiver collaboration tools, respiratory care devices, advanced operating room equipment and more, delivering actionable, real-time insights at the point of care. Learn more at [hillrom.com](http://hillrom.com).

For more information please contact  
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