OPELNI CX



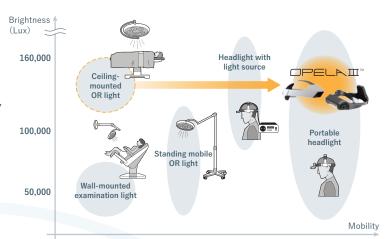
Wearable OR Lighting System
Born From Surgeon's Experience



Concept

To Make OR Lights Wearable

Many surgical lightings are characterized by "brightness" or "mobility". OPELAIII Cx stands on its own as a unique Mobile Surgical Lighting System that maintains the brightness and shadow reducing function of a surgical light, while focusing on the quality of light itself, combining years of surgeon's experience into its design.



* Headlight illuminance is calculated based on illumination distance of 400mm

Lighting Technology

Focusing on the user experience, its light quality is developed for surgeons.

Bright 160,000Lux* (color temperature 5,000K*)

It provides the highest luminance within the standard, BASIC SAFETY and ESSENTIAL PERFORMANCE of SURGICAL LUMINAIRES. The long-life LED has a color that makes it easy to distinguish tissue.



Reduces shadows, illuminates deep areas and cavities

Unique optical distribution design minimizes shadows, penetrates deep into surgical field and illuminates inner cavities and walls.



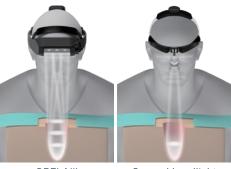
OPELAIII General headlight

Light Source

*A pen is placed in front of light for comparison

Surgical Field

*The shadow is greatly reduced under OPELAIII Cx



OPELAIII General headlight

Flicker-free, Fatigue-free light

The optical engineering on OPELAIII Cx allows for faded boundary, making the light less tiring on the eyes. Using "DC lighting system" it keeps a constant current flowing through the LED. This eliminates "flickering", which puts a strain on the eyes.

Spot size diameter 6-23cm* for flexible illumination

It can illuminate the surgical field with pinpoint accuracy, while also illuminating wider area of the operating field.





Maximizing Efficiency

By completely redesigning from scratch, OPELAIII Cx provides high quality illumination with a revolutionary heat dissipation system.

Light Weight

The centrally balanced weight-design makes it feel very light

■ 20% reduction from the previous model



Eliminating anything that isn't 100% necessary, even by 1g or 1mm

■ Light source module reduced by 52% in volume

More Comfortable

Airy enough to forget you're wearing it



■ Fitting system jointly developed with the leading Japanese motorcycle helmet manufacturer, OGK KABUTO



JPELA∭"Cx

The special adjuster allows fine adjustment and uniform tightening to fit any head shape



OPELAIII & OPELAIII Cx comparison

The dual floating structure of the COOLMAX® inner pad reduces the contact area for a comfortable hold during long operation

Evolved User Experience

Simple Operation

- The power switch & brightness controls are all assembled on the back of the unit for ease of access
- An easy-to-operate adjustment allows for wide range of light angle adjustment



Rear controls with battery gauge



Dual dial for lighting angle and spot size adjustment

Battery unit

- Simultaneous dual charger
- Fast charging (approx. 3 hours)
- 4-level charge indicator
- **■** Compact pocket size
- Maximum 4 hours of continuous use at 160,000 Lux



Power Source

■ Can be used directly with AC adaptor, ready for any situation





Case Studies and Usages

In addition to being used as an auxiliary light for surgical OR lamps, it can also be used as a MOBILE SURGICAL LIGHT in a variety of environments, such as the bedside, examination room, disaster sites and in vehicles.







Specifications:



[·] Specifications are subject to change without notice and may vary depending on usage conditions.

[Manufacturer]

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