# OPELNI CX



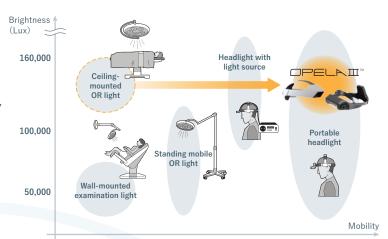
Wearable OR Lighting System
Born From Surgeon's Experience



# 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.



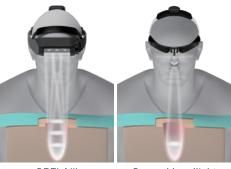
OPELAIII General headlight

#### **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:**



<sup>•</sup> Specifications are subject to change without notice and may vary depending on usage conditions.

[ Manufacturer ]

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