



# OTOLUX-LED

The digitally controlled LED handheld light source

**otoprnt.**<sup>®</sup>

# OTOLUX-LED: The intelligent handheld light source with motion sensor system and anti-glare

With the OTOLUX-LED Otopront has developed a handheld light source that can be used as an endoscopic light source in the workplace or in mobile settings without any restrictions in terms of performance or handling.

The OTOLUX-LED is equipped with digital sensors, so it no longer needs to be switched on and off when in use. As soon as the integrated motion sensor registers that the handheld light source is being moved, the OTOLUX-LED supplies the endoscope with the level of brightness as set.

The OTOLUX-LED automatically switches itself off once the examination has been concluded, i.e. when the device is put down.



Automatically switches on and off thanks to intelligent motion recognition

## Integrated patient safety

### **A light barrier sensor ensures 100 % anti-glare.**

The LED light is only activated once an endoscope has been attached, thereby preventing any direct glare for the patient.

The brightness can be controlled with the use of finger and thumb thanks to the 'floating' magnetic adjusting ring. The lock function of the adjusting ring on the OTOLUX-LED prevents the device from being accidentally switched on during transport.

Adjusting ring can be removed for hygienic reprocessing



## Simple and safe attachment of the optic

The sophisticated snap-lock system is compatible with all commonly used endoscopes, and enables them to be rapidly exchanged.

The state-of-the-art LED technology allows adjustment of brightness up to 205 lm with no perceptible heating up of the hand piece.

### **There are two different colour temperatures to choose from:**

- LED daylight neutral white (3500 K)
- LED halogen warm white (2700 K)

Choice of daylight neutral white or halogen warm white LED chip



## How the OTOLUX-LED differs from other handheld light sources:

- ✓ Automatically switches on and off via integrated motion sensor
- ✓ Anti-glare thanks to light barrier logic
- ✓ Deactivated when the endoscope is removed
- ✓ Daylight neutral white or halogen warm white (CRI > 95)
- ✓ Maximum luminance: 205 lm/ 210 klx
- ✓ Light operating time of up to 11 hours
- ✓ Brightness control via magnetic adjusting ring
- ✓ Compatible with all commonly used endoscopes
- ✓ Lock function for transport
- ✓ Can be fully immersed in disinfection solution

Daylight neutral white in titanium blue

Halogen warm white in natural aluminium



# Technical data

## Light output

- CRI value: > 95
- Luminous flux: 205 lm/ > 210 klx
- Light colour: Optionally halogen warm white or daylight neutral white
- LED lifetime: approx. 50.000 hours
- Continuous brightness control

## Light operating time

- With maximum brightness: 2 h 55 min
- With minimum brightness: up to 11 h

## Battery performance

- Low battery signal
- Lithium-ion battery:  
Type 18650, 3,7 V, 3400 mAh

## Specification

- Automatically switches on and off via motion sensor (except OTOLUX BASE)
- Anti-glare thanks to light barrier logic
- Deactivated when the endoscope is removed
- Light cannot be activated without the endoscope
- Special colours upon request
- Optional personal engraving (e.g. for clear identification on the ward)

## Material

- Hand piece: Anodized aluminium

## Dimensions and weight (incl. battery)

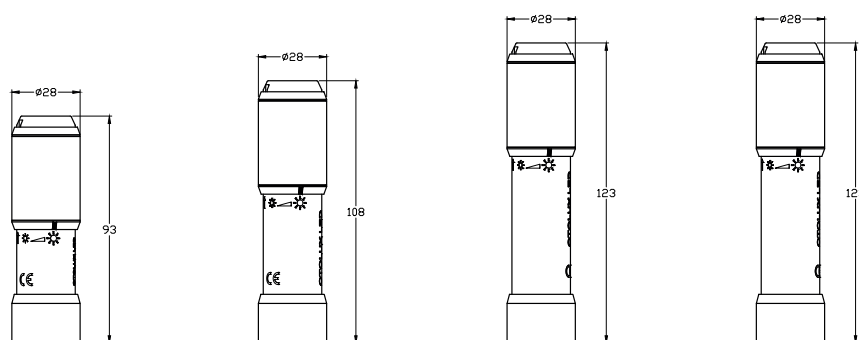
- Size S: 93 mm Ø 28 mm; 122 g
- Size M: 108 mm Ø 28 mm; 140 g
- Size L: 123 mm Ø 28 mm; 161 g

## Hygiene

- Can be fully immersed in disinfection solution; removable adjusting ring; Cleaning cap for LED optics channel

## CE marking

- Accord to MDD 93/42/EEC



	SMALL	MEDIUM	LARGE	BASE
<b>Luminous flux</b>	205 lm	205 lm	205 lm	205 lm
<b>Colour rendering CRI</b>	>95%	>95%	>95%	>95%
<b>Colour temperature (according to spec.)</b>	Halogen warm white/ daylight neutral white	Halogen warm white/ daylight neutral white	Halogen warm white/ daylight neutral white	Halogen warm white
<b>Light operating time with max. intensity</b>	46 min ~ 92 examinations	1h 27min ~ 175 examinations	2h 55min ~ 350 examinations	2h 55min ~ 350 examinations
<b>Battery</b>	900 mAh	1700 mAh	3400 mAh	3400 mAh
<b>Motion sensor</b>	Yes	Yes	Yes	No
<b>Light barrier</b>	Yes	Yes	Yes	No
<b>Casing colour; colour temperature; Item No.</b>	Natural aluminium; halogen warm white Item No.: 78000S	Natural aluminium; halogen warm white Item No.: 78000M	Natural aluminium; halogen warm white Item No.: 78000L	Natural aluminium; halogen warm white Item No.: 77000
	Titanium blue; daylight neutral white Item No.: 78001S	Titanium blue; daylight neutral white Item No.: 78001M	Titanium blue; daylight neutral white Item No.: 78001L	

Subject to change without notice

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