



A new generation of laryngoscope handle

Our new XLED laryngoscope handle has been developed to provide bright-white illumination, whilst retaining all the advantages of existing Timesco laryngoscope handles.

The XLED bulb provides over 30,000 hours of use, emits up to 3,720 lux and maximises battery life due to its low power consumption. Unlike other systems, our XLED bulb is easily removed allowing the whole handle to be efficiently cleaned via autoclaving.

Timesco
XLED
Laryngoscope handle

The XLED handle (ISO 7376:2003) is fully compatible with all Timesco Callisto, Freeway, Optima CLX and Sirius Laryngoscope blades.

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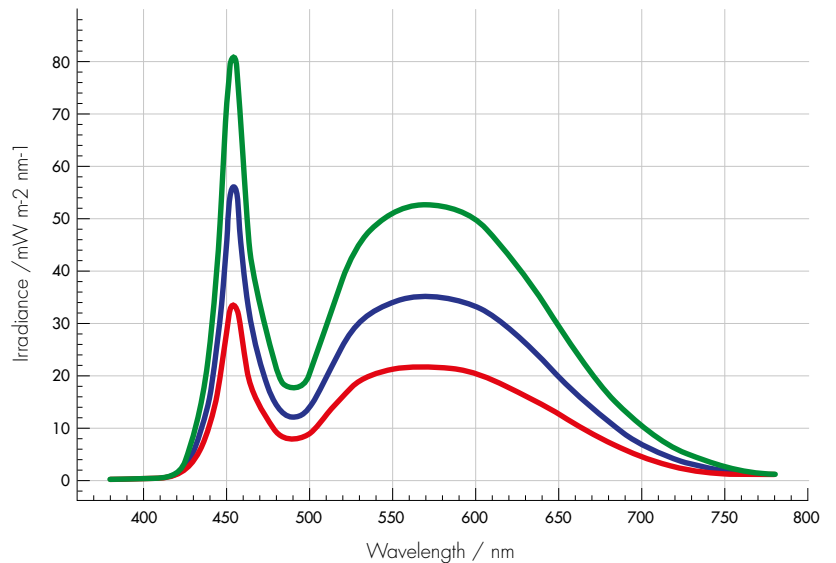


- 3000.500.05 – Timesco XLED handle, small AA
- 3000.500.10 – Timesco XLED handle, medium C
- 3000.508.10 – Timesco XLED handle, stubby AA
- 3000.950.20 – XLED bulb, 3v, pack of 6

Optimal spectral irradiance

The following graph depicts the spectral irradiance of three Timesco Fibre-Optic blades at the distance 20mm from the end of the blade (In accordance with the test requirements for compliance with ISO 7376:2003 (E) Annex B, section B.2), whilst the table below demonstrates the illuminance and colorimetry.

- The output of the Timesco XLED handle, regardless of blade type produces wavelengths which peak at 457nm and 555nm.
- The 555nm peak, the broader of the two peaks, closely correlates with normal photopic eye response.
- Wavelengths in this range may be beneficial to abnormal tissue identification in endoscopy and have a possible translation to laryngoscopy.



Device	Illuminance (lux)	X	Y	Colour temperature (K)	General Rendering Index, Ra (%)
2 = Callisto	1342.6	0.3635	0.635	4644.2	81.6
3 = Optima	2185.49	0.3564	0.3614	4634.7	81.6
4 = Sirius	3276.99	0.3585	0.3645	4581.2	81.2

* Anaesthesia, 64, Pages 688-699. E Lewis, S T F Zatman, A R Wilkes, J E Hall. University of Hospital of Wales and Cardiff University, Cardiff, Wales, UK. Abertawe Bro Morgannwg University, NHS Trust Swansea, Wales, UK
*contact Timesco for full details of tests completed in association with the national physics laboratory.