

# WORKBENCH CRYSTAL SL-5400 WORKBENCH LIGHTING



Highly precise inspection lamp



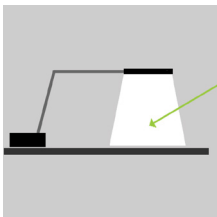
## ADVANTAGES

- A hinge makes it easy to change the inclination of the lamp head.
- Its standard 16 mm adaptable interface fits easily into workbenches.
- The lamp head does not emit heat
- The light directionality acts as a curtain protecting the observation area from stray ambient light.
- The light uniformity is pleasant to the eyes.

The Crystal SL-5400 is a highly precise inspection lamp that has been designed collaboratively with the leaders of the watchmaking sector. Its ultra-directional light and its high optical signal-to-noise allow an optimum lighting of the working zone with 5400 K colour temperature.

Thanks to the lamp hinge (-20° to 40°), it is possible to examine samples under different lighting angles. The inspection position is easily configurable to meet different user needs. The hollowed lamp head does not dissipate heat and has been conceived to hold a removable magnifier as well as an optional lightbox. The lightbox allows precise inspection regardless of the ambient light. More than 40% productivity gain can be made on quality control operations when using the Crystal SL-5400 lighting system.

L.E.S.S. lighting systems exhibit the same optical properties (colour temperature, uniformity, directionality), regardless of the product line (microscopy, machine vision or workbench lighting). The light quality remains constant throughout the system's lifespan. This consistency gives a stable benchmark at two different levels: over time as well as on the whole assembly line. This allows overall standardisation and time-saving operations.



## L.E.S.S. SA

Avenue de Longemalle 13  
CH-1020 Renens, Suisse  
Tél : +41 21 552 07 10  
info@less-sa.com



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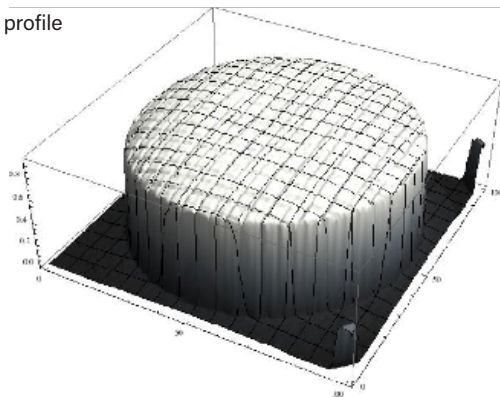
## TECHNICAL DATA



Reference	SL-5400
Product line	Workbench lighting
Colour temperature	5400 K
Illumination (at 20 cm)	> 2 500 lx
Energy consumption	approx. 10 W
Size of the head	136 x 296 mm
Articulated arm	800 mm
Workbench interfact diameter	16 mm
Lifetime	> 20 000 hours <sup>1</sup>
Electronic control unit	Built-in
Power switch	On / Off
Light intensity control	Fixe
Operating ambient temperature	0 - 50 °C
IP Rating	IP 24
Hinge tilt	-20° to 40°
Battery powered external power supply	Yes, as accessory
External power supply	DC 12V

<sup>1</sup>Lifetime is defined for the lighting values in a normal use. Results may vary with environmental factors and customer specific use.

Ultra uniform light intensity profile



## ACCESSORIES

- Base system: it provides a steady base for the lamp on a flat surface when the lamp is not directly fixed to the workbench.

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