

Renfert

making work easy



LIGHT 1

NEW Dental Worklight

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Dental Worklight

LIGHT 1 is designed to meet the complex lighting requirements of everyday laboratory work. LIGHT 1 is equipped with innovative optical technology and provides unprecedented illumination of the work area. See more, work better. Every detail and every facet of dental work becomes visible. A dedicated ray tracing technology provides uniform light distribution, high average illuminance and brilliant color and surface reproduction.

Advantages

- Maximum precision and clear visualization of the finest color nuances thanks to outstanding color rendering quality (CRI of 97 with extended color matching of 14 colors).
- Uniform surface brightness with rectangular illumination (adapted to dental workbench) thanks to high work area luminance with high lumen value.
- Brilliant surface reproduction of dental objects thanks to homogeneous light distribution and high illuminance levels.

Details

- The special optical technology for uniform, glare-free illumination ensures fatigue-free, concentrated work.
- Optimum perspective viewing and display of surface textures thanks to a well-balanced combination of diffuse and directional light.
- Light modeling with easy-to-use modes for adapting illumination to different requirements (e. g. daylight scenario, blue light elimination).
- Comfortable and healthy working environment with 100 % flicker-free light.



easy use



perfect view



Shade selection and composite mode at the touch of a button

Technical data

Dimensions min. (retracted) (W x H x D)	645 x 515 x 235 mm // 25.4 x 20.3 x 9.25" 660 x 88 x 310 mm // 26.0 x 3.5 x 12.2"
Dimensions max. (extended) (W x H x D)	685 x 750 x 660 mm // 27.0 x 29.5 x 26.0" 660 x 88 x 515 mm // 26.0 x 3.5 x 12.2"
Tolerance specification calibrated light / Intensity of lighting	± 5 %
Tolerance specification calibrated light / Color temperature	± 50 K
Color rendering index Ra / CRI	97.5
Extended color rendering index Re / CRle	96
Glare value UGR	19
Permissible mains voltage	100–240 V
Permissible mains frequency	50–60 Hz
Weight	3,7 kg // 8.16 lbs 2,9 kg // 6.39 lbs
Power consumption	53 W

Color temperature (level 1-5)	3500–6000 K 2700–6000 K
Energy efficiency class of the light source provided	A+
Intensity of lighting (max., at 43 cm distance)	13000 lx
Total luminous flux Φ total lumens	3500 lm

Ordering information

LIGHT 1, for tabletop mounting, 100–240 V	No. 25000600
LIGHT 1, for wall mounting, 100–240 V	No. 25000700
LIGHT 1, for tabletop mounting, 100–240 V US/JP	No. 25001600
LIGHT 1, for wall mounting, 100–240 V US/JP	No. 25001700
Table clamp LIGHT 1, piece	No. 25000510

