



Full Daylight Spectrum
Healthy Lighting

PHL22 224cm dual-linear dental lighting

Reduce fatigue & Improve ergonomics

A pair of full-spectrum, linear, and bidirectional LED lamps, each measuring 224 cm in length. Two independent lamps offer flexibility in installation as required. Bidirectional lighting guarantees uniform illumination across the treatment room. This ensures clear and comfortable lighting, optimizing conditions for precision dental work.

Incorrect lighting in dental treatment rooms leads to eyestrain and fatigue. DentLed's full-spectrum lighting was developed specifically as the optimal work light for dental treatment rooms.



Key features & benefits

- Direct/Indirect lighting: Uniform light distribution across the treatment room.
- High Colour rendering for accurate shade matching (CRI >97).
- Flicker free: no fatigue inducing flicker.
- Low glare: Light is not harsh & unpleasant on the eyes.
- High output: 1500–2000 lux at the oral cavity.

Dentled
LIGHTING SYSTEMS FOR DENTAL CARE



Colour rendering

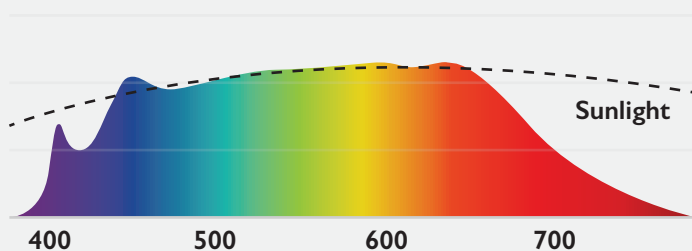


Accurate colour rendering for correct shade matching.

Installation

DentLed partners with certified installers for lighting installation. Contact us for possibilities.

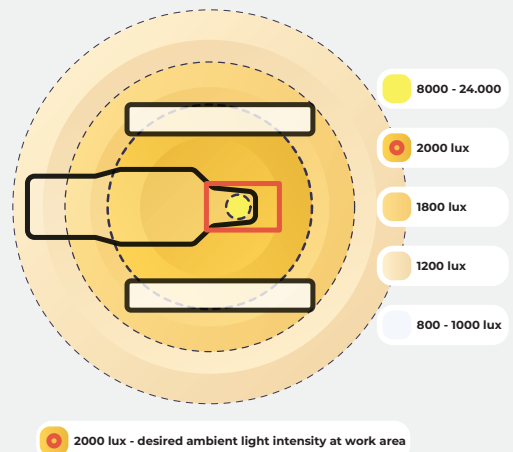
Full daylight spectrum



Technical specifications

PHL22	
Output (lumen)	2 x 9428 lm
CRI (Colour Rendering)	97+
CCT (Colour Temp)	5000 K
Efficacy	70 lm/W
Power Consumption	2 x 136 W
Dimensions	2246 x 50 x 75 mm
Weight	2 x 6 kg
Color	White RAL 9016, black RAL 9005, grey RAL 9006 or custom color
Flicker Free	Yes, visible & invisible
Lifetime	100 000 h L80B20 at 25°C
Power Cord Length	3 m
Max Suspension	2 m
Direct/Indirect	49% / 51%
UGR	<17,8
Suspension Points	flexible
Options: ceiling mount / dimming / colour / etc.	Please inquire

Light intensity distribution



This diagram illustrates the optimal light distribution in a dental treatment room, aiming for 1500-2000 lux around the oral cavity.

Contact us for lighting calculations and plans for your treatment rooms.

36,000 hours: healthy light is essential

About Dentled

DentLed is dedicated to designing and installing optimal lighting for all types of dental work, including surgeries, practices, and dental labs.

"Every patient deserves a dentist who can work optimally. Correct lighting is a basic requirement for this."

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