WOODPECKER

The choice of millions of dentists worldwide

LED.H

Newly Upgraded for Wide Spectrum



· Metal shell, five colours optional.
· Wireless. The battery can be replaced.
· Three working modes: Full, Ramping, Pulse.
· Time setting: 3s, 5s, 10s, 15s, 20s, 25s, 30s, 35s, 40s.
· Large capacity battery.
A full charge can be used for more than 500 times continuously under 10s working time mode
· Low standby power consumption with seventy days` standby time.
· Constant light intensity.
The solidification effect is not affected by the consumption of remaining power.

Industrial design patent No.: CN 201130176281.3

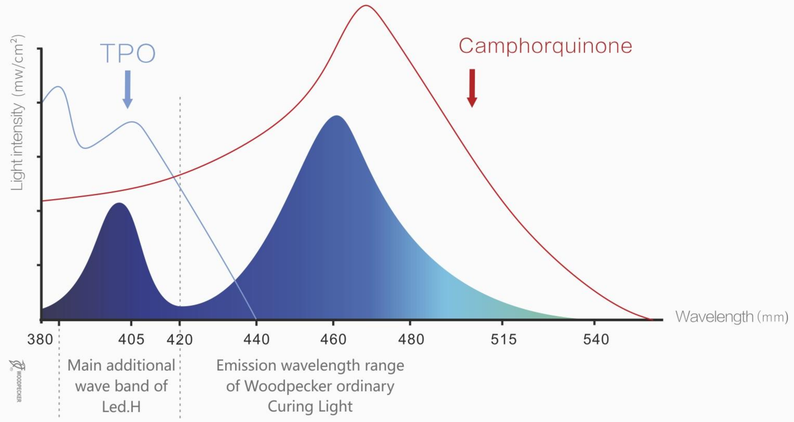
Power input	AC100V-240V 50Hz/60Hz
Light output	1000mW/cm²-1200mW/cm²
Net weight	178g
Dimensions	252mm×Φ25mm
Wavelength	385nm-515nm

Newly Upgraded for Wide Spectrum

Upgraded wide spectrum

The emission wavelength range of Led.H wide spectrum curing light is 385nm-515nm ,mainly adding the wave band of 385nm-420nm . The additional band can better curing the resin materials containing new-style photoinitiators such as TPO . For example ,restoration materials such as Tetric N-Ceram Bulk Fill (Ivoclar) ,Amelogen plus (Ultradent),and ENA Hri (Micerium).The additional wave band can also reduce the risk of resin shedding and incomplete curing.

LED.H Spectral Curve and Resin Spectral Absorptivity



The light-absorbing peak of traditional material (including camphorquinone;the red line on the fifigure) is 460nm,so the curing can be done by either general Curing Light or Wide Spectrum Curing Light.
But camphorquinone is of a yellow color.It is not suitable to add large amounts of it to bleaching resin or light-colored resins. The light-absorbing peak of new materials (including TPO;the blue line in the fifigure above) is 405nm.Compared with general LED Curing Light, Led.H owns additional 385nm-420nm wave band which is able to better curing this kind of new material.TPO is of white color.Thus it is suitable for adding to the bleaching resin and light-colored resin.