



# BlueWand™

LED Dental Curing Wand System  
by Kerber Applied Research Inc.



*BlueWand™ features LED technology to provide reliable, efficient and effective curing light power. The shift to LED technology has given rise to a new generation of highly efficient designs. The BlueWand™ is built to meet the in-practice needs of the most demanding dentists.*

# BlueWand™

## LED Dental Curing Wand System

In recent years, the needs of clinicians have been assessed and prioritized. In these reviews, the following features were foremost in the minds of practitioners:

- output intensity
- curing performance
- convenience features
- technical stability
- price

BlueWand™ proudly offers performance characteristics that match the needs and working styles of practitioners.

### Features:

- deep effective curing
- high energy LED technology
- constant light output
- pre-set time settings (10, 20, 30 seconds)
- programmable, ramp, pulse
- cordless and rechargeable
- lightweight stainless steel (150g, 5.3 oz)
- hygienic
- rugged
- silent (no fan required)
- no bulb to replace
- AC adapter is UL/CSA approved
- cost effective
- 2 year warranty

BlueWand™ is a revolutionary, efficient curing system that offers LED advantages combined with best-of-breed cordless technology. Easy to operate, this affordable curing wand is priced to be used in each operator. This elegant new product is safe, dependable and provides over one hundred 10-second exposures per charge at full power of 600 mW.

Please review the following specifications. Compare features and then contact your representative to arrange a demonstration of BlueWand.™

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	BlueWand <sup>®</sup> (Kerber Applied Research)	CoolBlu (Dental Systems)	L.E. Demetron 1 (Ker)	
PERFORMANCE FEATURES	Intensity Output (mW/cm <sup>2</sup> )	1100	420 (#1025)	760 (#1075)
	Total Power Output (mW)	600	152	425
	Mean Minimum Cure Time <sup>†</sup>	8.0	13.1	8.9
	Depth of Cure	5 sec. 2.5mm	1.7mm	2.0mm
	in 5 & 10 sec.*	4.1mm	2.2mm	2.4mm
	Spectral Output (nm) (halogen light = 400 to 525)	440 to 480	445 to 515	450 to 525
	Minutes of Cure per Charge	20 min.	18 min.	61 min.
	Stable Output	Yes (3.0% drop)	Yes (3.5% drop)	Yes (1.6% drop)

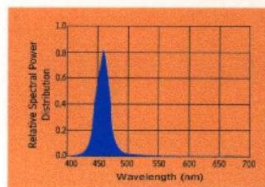
† Minimum cure times for 17 materials show curing potential of light, & are for comparison only, **not** for clinical use.

\* Determined using Herculite XRV, shade A3. Method: ADA Specification 27 (1993).

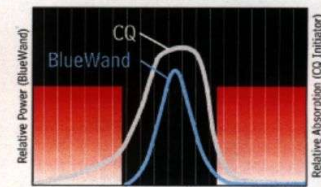
† Estimated # Value measured at San Francisco Show 2003, on Coltolux® light meter C-7900.

Specification subject to change

Published results for CoolBlu and L.E. Demetron were determined at CRA News. Results for BlueWand were determined at Kerber Applied Research Inc.



Wavelength Characteristics, T<sub>J</sub> = 25°C



Light output in these areas (common to halogen) result in additional pulp temperature rise with only minor improvement in curing depth when CQ is used.



™BlueWand is a trademark of Kerber Applied Research Inc.