

LED Curing Lights

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 The Buyer's Guide for Dental Professionals

LED curing lights are rapidly replacing halogen-based units. Check out this selection of lights and their key parameters.

	Item	Output	Wavelength Range	Built-In Radiometer	Cordless	Battery Time
3M ESPE	Elipar™ FreeLight 2 LED Curing Light	1,000 mW/cm ²	440-500 nm	No	Yes	20 minutes
3M ESPE	Elipar™ FreeLight Curing Light	100 mW/cm ²	440-500 nm	Yes	Yes	45 minutes
Acteon, Inc.	Mini LED	1,250 mW/cm ² ; 2,000 mW/cm ² with booster tip	420-480 nm	Yes	Yes	300 10-second cures per charge
Den-Mat	Allegro LED	1,250 mW/cm ²	420-490 nm	Yes	Yes	300 10-second cures per charge
Dent Zar, Inc.	Mr. Light LED Curing Unit	900-1,100 mW/cm ²	440-495 nm	Contact Dent Zar, Inc.	Yes	Contact Dent Zar, Inc.
DENTSPLY Caulk	SmartLite™ iQ™	800 mW/cm ²	430-475 nm	Yes	Yes	600 10-second cures per charge
DENTSPLY International	SmartLitePS	950 mW/cm ²	In Camphorquinone range	No	Yes	25 minutes, 150 10-second curing cycles
Designs for Vision, Inc.	OptiCure Cordless LED	380-500 mW/cm ²	Contact Designs for Vision, Inc.	Contact Designs for Vision, Inc.	Portable cordless	Contact Designs for Vision, Inc.
DiaDent Group International	Q-Lite Cordless LED Curing Light	1,100 mW/cm ²	430-490 nm	No	Yes	350 10-second cures per full charge
Discus Dental, Inc.	FLASH-lite 1401	>1,100 mW/cm ²	460-480 nm	Yes	Yes	25 minutes
First Medica	LED Blast	Contact First Medica	450-470 nm	Contact First Medica	Yes	Contact First Medica
GC America, Inc.	G-Light	>1,000 mW/cm ²	400-420 nm and 465-475 nm	No	Yes	>400 10-second cures
Heraeus Kulzer	Translux Power Blue	1,000 mW/cm ²	Contact Heraeus Kulzer	No	Yes	Contact Heraeus Kulzer
Ivoclar Vivadent Inc.	bluephase® 16i	1,600 mW/cm ²	430-490 nm	Yes	Yes	Approximately 45 minutes

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LED Curing Lights <small>Continued</small>	Item	Output	Wavelength Range	Built-In Radiometer	Cordless	Battery Time
Ivoclar Vivadent Inc.	bluephase® LED Curing Light	1,100 mW/cm ²	430-490 nm	Yes	Yes	60 continuous minutes of operation
J. Morita USA	Jetlite 5000 LED Curing Light	Contact J. Morita USA	450-490 nm (Peak at 470 nm)	Contact J. Morita USA	Yes	60 minutes
KaVo Dental Corporation	Satelec Mini LED	1,100 mW/cm ²	420-480 nm	Contact KaVo Dental Corporation	Contact KaVo Dental Corporation	No battery
Kerr Corporation	L.E.Demetron 1	Contact Kerr Corporation	Contact Kerr Corporation	Yes	Yes	270 10-second cures
Kerr Corporation	L.E.Demetron II	1,200-1,600mW/cm ²	450-470 nm	Yes	Yes	Contact Kerr Corporation
Kinetic Instruments, Inc.	SunliteLAZER	468	Contact Kinetic Instruments, Inc.	Yes	Connects to unit with asepsis tubing	Contact Kinetic Instruments, Inc.
Milestone Scientific	CoolBlue Wand	1,200 mW/cm ²	420-490 nm	No	Yes	>250 10-second cycles/charge
Pentron Clinical Technologies	Avanté™ LED Curing Light	Contact Pentron Clinical Technologies	460-480 nm	Yes	Yes	Contact Pentron Clinical Technologies
SDI	R A D I I	1,400 mW/cm ²	440-480 nm	Yes	Yes	60 to 120 minutes total discharge
SDI	Radii Plus	Contact SDI	440-480 nm	Yes	Yes	Contact SDI
Spring Health Products, Inc.	The Cure	1,000-1,200mW/cm ²	460 nm	No	No	Contact Spring Health Products, Inc.
Sullivan-Schein Dental	Maxima LED Cordless Curing Light	Contact Sullivan-Schein Dental	Contact Sullivan-Schein Dental	Contact Sullivan-Schein Dental	Yes	Contact Sullivan-Schein Dental
Ultradent Products, Inc.	Ultra-Lume® LED 2	>460 mW/cm ²	410-490 nm	No	No	N/A
Ultradent Products, Inc.	Ultra-Lume® LED 5	>800 mW/cm ²	375-500 nm	No	No	N/A
Vista Dental Products	Focus LED Curing Light	Contact Vista Dental Products	440-490 nm	No	No	Contact Vista Dental Products
VOCO America Inc.	Celalux High Power LED Curing Light	1,000 mW/cm ²	450-480 nm	Contact VOCO America, Inc.	Yes	Two hours

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