










LLLT Dental Laser Comparison Table (Klas)

Manufacturer		Konftec				MedX	CMS Dental
Model No.		Klas-D50	Klas-D79	Klas-D81	Klas-D82	Oralase	DioBeam 830
Reference Picture							
Laser Class		Class IIIa	Class IIIb			Class IIIb	Class IIIb
Laser Diode Temp. Rating		RED: 60°C	IR: 75°C	IR: 50°C	IR: 50°C	No Data	No Data
Laser Wavelength		660 nm	780 nm	808 nm	808 nm	808 nm	830 nm
Laser Power	w/o Fiber Rod	50 mW	90 mW	110 mW	260 mW	200 mW	200 mW
	w/ Fiber Rod	40 mW	70 mW	90 mW	200 mW	NA	150 mW
Fiber Rod Diameter		8 mm				8 mm	No Data
Laser Spot Size		0.5 cm ² (50 mm ²)				10 mm ² ❗	No Data
Laser Beam		Dispersion				No Data	Collimation ❗
Laser Frequency		Continuous				Continuous	Continuous
Laser Controller Key Switch		No				No	Yes
Treatment Process Indication		LED				LED	LED
Power Supply		3 x AAA Batteries				DC 3.6V Battery	DC 3.6V~4.1V Battery
Power Supply Working Time		3 ~ 9 Hours				No Data	100 Min.
Material of Handheld Part		Stainless Steel				Plastic	Plastic
Water Proof of Handheld Part		IP54 (NEMA 4)				No	No
Disinfection of Handheld Part		Easy and Full				?	?
Remarks: ❗ From manufacturer's specifications; questionable ❗ Risky for patient's eyes							

LLLT Dental Laser Comparison Table (HB)

Manufacturer	Konftec			MedX	CMS Dental
Model No.	HB-150D680	HB-150D8A0	HB-150D8B0	Oralase	DioBeam 830
Reference Picture					
Laser Class	Class IIIb			Class IIIb	Class IIIb
Laser Diode Temp. Rating	RED: 60°C	IR: 50°C	IR: 50°C	No Data	No Data
Laser Wavelength	660 nm	808 nm	808 nm	808 nm	830 nm
Laser Power	w/o Fiber Rod	100 mW	200 mW	450 mW	200 mW
	w/ Fiber Rod	80 mW	160 mW	360 mW	150 mW
Fiber Rod Diameter	8 mm			8 mm	No Data
Laser Spot Size	0.5 cm ² (50 mm ²)			10 mm ² 1	No Data
Laser Beam	Dispersion			No Data	Collimation 2
Laser Frequency	Continuous			Continuous	Continuous
Laser Controller Key Switch	Yes			No	Yes
Treatment Process Indication	LCD (80x50 mm) dynamic display with blue backlit			LED	LED
Laser Fault Alarm	self-diagnostic check and error detection, can automatically detect faulty alarm channel(s).			No	No
Power Supply	90 ~ 264 AC			DC 3.6V Battery	DC 3.6V~4.1V Battery
Power Supply Working Time	Unlimited			No Data	100 Min.
Material of Handheld Part	Stainless Steel			Plastic	Plastic
Water Proof of Handheld Part	IP54 (NEMA 4)			No	No
Disinfection of Handheld Part	Easy and Full			?	?
Remarks:	1 From manufacturer's specifications; questionable				
	2 Risky for patient's eyes				

LLLT Dental Laser Comparison Table (AM)

Manufacturer		Konftec				MedX	CMS Dental
Model No.		AM-100D680		AM-100D681		Oralase	DioBeam 830
Reference Picture							
Laser Class		Class IIIb				Class IIIb	Class IIIb
Laser Diode Temp. Rating		RED: 60°C	IR: 50°C	RED: 60°C	IR: 50°C	No Data	No Data
Laser Wavelength		660 nm	808 nm	660 nm	808 nm	808 nm	830 nm
Laser Power	w/o Fiber Rod	100 mW	200 mW	100 mW	450 mW	200 mW	200 mW
	w/ Fiber Rod	80 mW	160 mW	80 mW	360 mW	NA	150 mW
Fiber Rod Diameter		8 mm				8 mm	No Data
Laser Spot Size		0.5 cm ² (50 mm ²)				10 mm ² ❗	No Data
Laser Beam		Dispersion				No Data	Collimation ❗
Laser Frequency		Continuous				Continuous	Continuous
Laser Controller Key Switch		Yes				No	Yes
Treatment Process Indication		LCD (80x65 mm) dynamic display with blue backlit				LED	LED
Laser Fault Alarm		self-diagnostic check and error detection, can automatically detect faulty alarm channel(s).				No	No
Power Supply		90 ~ 264 AC				DC 3.6V Battery	DC 3.6V~4.1V Battery
Power Supply Working Time		Unlimited				No Data	100 Min.
Material of Handheld Part		Stainless Steel				Plastic	Plastic
Water Proof of Handheld Part		IP54 (NEMA 4)				No	No
Disinfection of Handheld Part		Easy and Full				?	?
Remarks: ❗ From manufacturer's specifications; questionable ❗ Risky for patient's eyes							