



# LEDEX™ WL-070

Combo of Cordless & Cord types



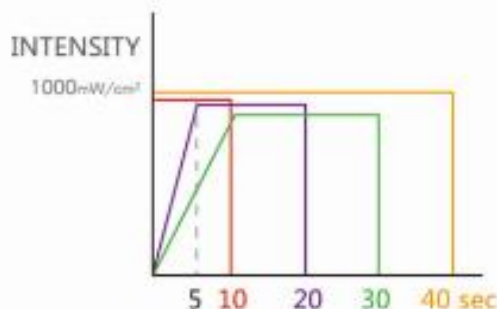
# ADVANTAGES

## Simple operations

Clear display, simple function including ramp mode, easy to use.

## Cure fast in 10 secs.

Use high power 5 W LED , it can cure the composites over 3mm in 10 secs.



## Never shutdown after continuous use

The smart heat-management system prevents the device from overheating after continuous use.

## Combo of cordless & cord types

When the curing light runs out of batteries, it can be plugged in and used as a corded light.

## Varieties of optical fiber light guide rod

There are 3,5,8 mm black or transparent optical fiber light guide rod to be applied.



## Specification

Handpiece		Battery	Type	Lithium-ion, 3.7 V/800 mAh
Light source	High power dental blue 5 W LED, average lifespan is 100,000 hours		Charge time	About 2 hours
Wavelength	440-480 nm, peak-460 nm		Use time	40 Minutes (240 times in 10 Sec. mode)
Radiant intensity	Up to 1000 mW/cm <sup>2</sup>	Power Supply	Type	Mini USB jack
Light guide rod	Ø8mm optical fiber, Sterilizable in autoclave		Input	100-240 V, 50-60 Hz
Weight	120 g (with battery & light guide rod)		Output	DC 5 V/2 A
Dimensions	Ø 26 (max) x L156 mm			



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# LEDEX™ WL-070+

LED dental curing light & wireless inductive charging stand



## Wireless inductive charging stand

No need to plug in the cable; No pogo pin required.



# ADVANTAGES

## Wireless inductive charging stand

No need to plug in the cable; No pogo pin required.

## Built-in intensity indicator

Easy to interpret due to the built-in intensity indicator.



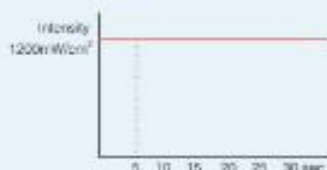
Orange light  
≤ 700 mW/cm<sup>2</sup>



Blue light  
> 700 mW/cm<sup>2</sup>



### Standard Mode



### Ramp Mode



## Simple operations

Clear display with simple functions, including standard mode and ramp mode; easy to use.

## Cure fast in 10 secs

Having the high power 5W LED, this device can cure the composites over 3mm in 10 secs.

## Never shutdown after continuous use

Having the smart heat management system, the device will not be overheated after continuous use.



## Varieties of optical fiber light guide rod

There are 3, 5, and 8 mm black or transparent optical fiber light guide rod to be applied.

## Specification

Handpiece		Wireless charging stand	
Light source	High power dental blue 5 W LED, average lifespan is 100,000 hours	Weight	85 g
Wavelength	440-480 nm, peak:460 nm	Dimensions	W45 x L135 x H40 mm
Radiant intensity	up to 1200 mW/cm <sup>2</sup>	Power Supply	
Light guide rod	∅8mm optical fiber, Sterilizable in autoclave	Type	Micro USB
Weight	120 g (with battery & light guide rod)	Input	100-240 V, 50-60 Hz
Dimensions	∅ 26 (max) x L156 mm	Output	DC 5 V/2 A
Battery			
Type	Lithium-Ion, 3.7 V/800 mAh		
Charge time	About 3 hours		
Use time	40 Minutes (200 times in 10 Sec. mode)		



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Made in Taiwan  
Patent D182805



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# ADVANTAGES

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## Built-in intensity indicator

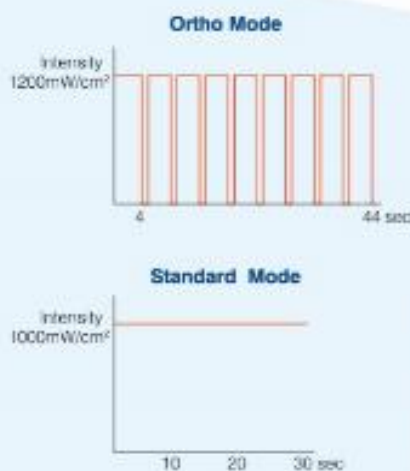
Easy to interpret due to the built-in intensity indicator.



Orange light  
 $\leq 700 \text{ mW/cm}^2$



Blue light  
 $> 700 \text{ mW/cm}^2$



## Simple operation

Including 3 ortho modes & 3 standard modes.

## Cure fast in 4 seconds for one bracket

Having the high power 5W LED, each bracket can be cured in 4 seconds. One curing cycle for nine brackets.

## Never shutdown after continuous use

Having the smart heat management system, the device won't overheat after continuous use.



## Varieties of optical fiber light guide rod

There are 3,5, and 8 mm black or transparent optical fiber light guide rod to be applied.

## Specification

Handpiece		Wireless charging stand	
Light source	High power dental blue 5 W LED, average lifespan is 100,000 hours	Weight	85 g
Wavelength	440-480 nm, peak:460 nm	Dimensions	W45 x L135 x H40 mm
Radiant intensity	up to 1200 mW/cm <sup>2</sup> (ORTHO Mode)	Power Supply	
Light guide rod	Ø8mm optical fiber, sterilizable in autoclave	Type	Micro USB
Weight	120 g (with battery & light guide rod)	Input	100-240 V, 50-60 Hz
Dimensions	Ø 26 (max) x L156 mm	Output	DC 5 V/2 A
Battery			
Type	Lithium-ion, 3.7 V/800 mAh		
Charge time	About 3 hours		
Use time	40 Minutes (200 times in 10 Sec. standard mode)		



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CE ISO 13485  
Made in Taiwan  
Patent D182805

DENTAL CURING LIGHT

# LEDEX™ WL-090+

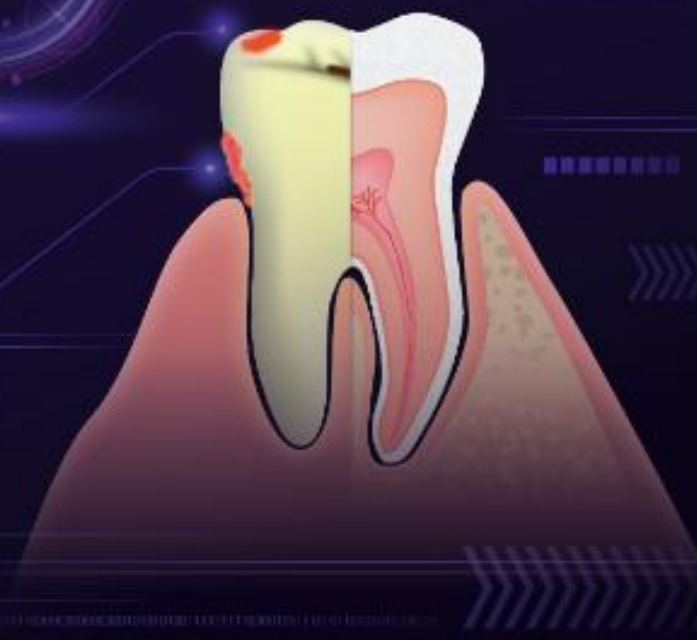
COMBO OF CURING LIGHT & PLAQUE/CARIES DETECTOR

Broadband LEDs  
Over **2400** mW/cm<sup>2</sup>

**2** secs  
cure **2** mm

**Caries**

**Plaque**

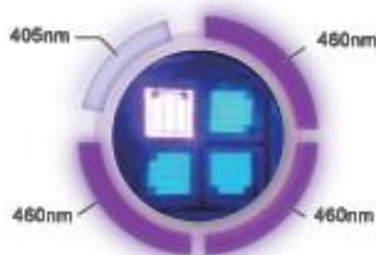


# FEATURE

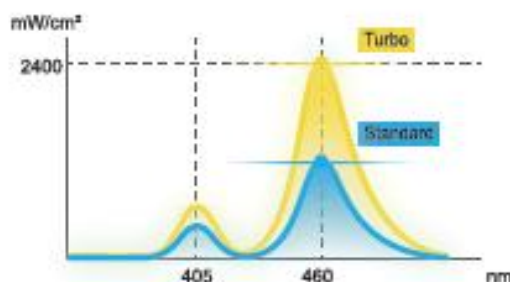
Using the latest technology to build a simply powerful and affordable curing light.

## Broadband LEDs used

Use broadband LEDs, wide wavelength output is more fitting to phenyl propanedione(PPD) and Lucirin® TPO photoinitiator.



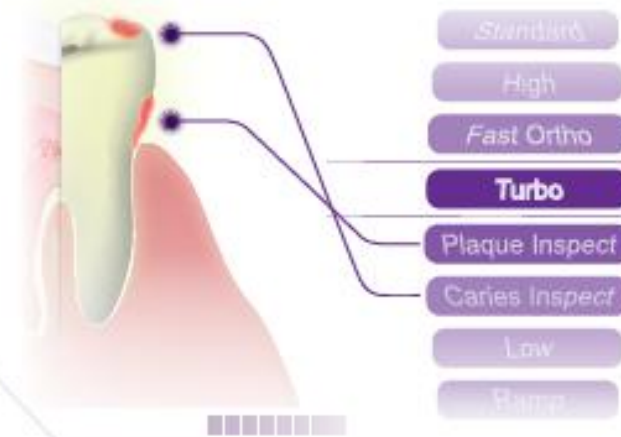
( Light source of WL-090+ )



( WL-090+ Broadband LEDs wavelength )

## 8 Powerful Extensive Modes

OLED display, turbo light guide rod, 8 modes.



01 Time

10 Brackets

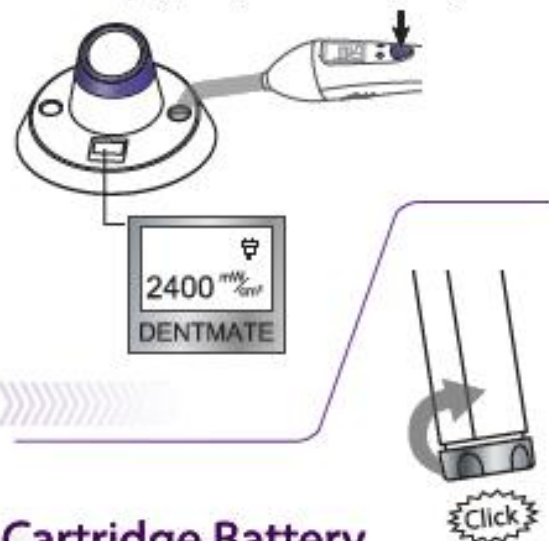
03 Secs

### Cure Fast In 2 seconds

Use high power 10W broadband LEDs, up to 2400 mW/cm<sup>2</sup>. It can cure the composites over 2 mm in 2 seconds.

## Built-in Radiometer

OLED display, easy to check intensity.



## Specification

Handpiece	
Light source	High power 10 W broadband LEDs, average lifespan is 100,000 hours
Wave length	390-480 nm, peak : 405,460 nm
Radiant intensity	Up to 2400 mW/cm <sup>2</sup>
Light guide rod	Ø11>6 mm & Ø11>5 mm optical fiber, Sterilizable in autoclave 180 g (with battery & light guide rod)
Dimension	Ø38 (max.) x L190 mm

## Cartridge Battery

Use cartridge design, easy to change battery.



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Made in Taiwan  
Patent M463575



# LEDEX™

DENTAL CURING LIGHT

# WL-090

PERFORMANCE WITH REAL HIGH INTENSITY

-  1 Sec. Cure 2 mm
-  7 Powerful Modes
-  Fast Ortho
-  Plasma **3200** mW/cm<sup>2</sup>
-  Built-in Radiometer
-  Cartridge Battery

**NEW**



## 7 powerful extensive modes

OLED display, turbo light guide rod, 7 modes including Low, Ramp, Standard, High, Fast Ortho, Turbo, Plasma.



### Plasma mode - cure fast in 1 sec.

Use high power 10W LEDs, up to 3200 mW/cm<sup>2</sup>. It can cure the composite resin over 2 mm in 1 second.

### Never shutdown after continuous use

The smart heat management system prevents the device from overheating after continuous use.

### Built-in radiometer

OLED display, easy to check intensity.



### Cartridge battery

Use cartridge design; easy to change the battery.



## Specification

Handpiece		Cradle	Weight	140 g
Light source	High power 10 W LEDs, average lifespan is 100,000 hours		Dimension	Ø115 x H68 mm
Wavelength	440-480 nm, peak-460 nm	Type	Lithium-ion, 3.7 V/2500 mAh	
Radiant intensity	Up to 3200 mW/cm <sup>2</sup>	Battery	Charge time	About 2.5 hours
Light guide rod	Ø11>8 mm optical fiber, Sterilizable in autoclave		Use time	120 Minutes (720 times in 10 Sec. Standard mode)
Dimension	Ø 38 mm (max.) x L190 mm	Power Supply	Type	Micro USB jack
Weight	180 g (with battery & light guide rod)		Input	100~240 V, 50-60 Hz
			Output	DC 5 V/2 A



# PRODEX™ UV9 LED WAND

## UV/VISIBLE LIGHT SOURCE

Wavelength flexibility allows co-optimisation of adhesive and curing system for best cure.

**BROAD SPECTRUM OFFER:  
UV:365&385 nm, VIS:405&420 nm.**

**ADJUSTABLE HIGH INTENSITY  
UP TO 1800 mW/cm<sup>2</sup>@365-420 nm.**

**HANDHELD AND EASILY PORTABLE.**

**INSTANT ON/OFF, NO WARM-UP PERIOD.**

**BUILT-IN INTENSITY CHECK INDICATOR.**

**CARTRIDGE BATTERY.**



# BROADBAND LEDS USED

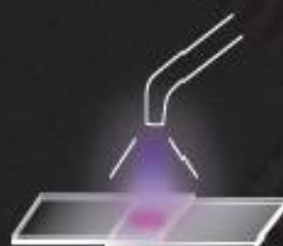
UV9 is intended solely for use in industrial environment such as workshop, assembly line and laboratory.

## Applications for:

▶ Fluorescence excitation



▶ Glass assembly and bonding



▶ Lens and optical bonding



▶ Wire tacking



▶ Non-destructive testing

▶ Curing of UV polymers for other applications

## Specification

Wand		Power supply	
Light source	High power 10 W LEDs, average lifespan is 2,000 hours	Type	Micro USB jack
Wavelength	Peak: 365, 385, 405, 420 nm	Input	100~240 V, 50~60 Hz
Radiant intensity	Up to 1,800 mW/cm <sup>2</sup>	Output	DC 5 V/ 2 A
Light guide rod	Ø11>11 mm optical fiber	Cradle	
Dimension	Ø38 mm (max.) x L190 mm	Weight	140 g
Weight	180 g (with battery and light guide rod)	Dimension	Ø115 x H68 mm
Battery			
Type	Lithium-ion, 3.7 V/ 2,500 mAh		
Charge time	About 2,5 hours		
Use time	680 times in 10 seconds, Entire Mode, High intensity		



## LED PENLIGHT

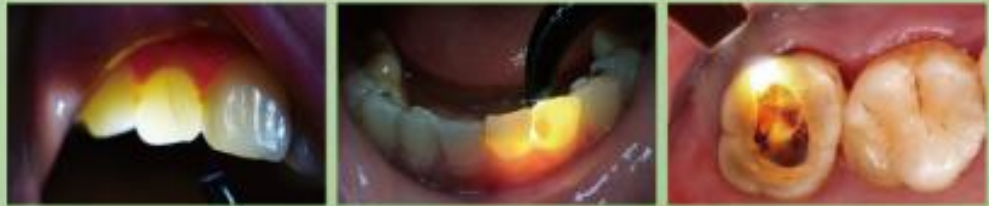


# LUMINDEX 3

The light has been manufactured with a super-high luminosity LED. The intensity is from 15,000 to 30,000 Lux at 5 mm. These characteristics enable the light to support diagnosis during a therapeutic or surgical intervention.

- Super-high luminosity LED with assists in inspecting caries, calculus, fractures, and root canal orifices.
- Can reduce the need and expense of diagnostic X-rays.
- Immediate feedback saves time and improves patient care.
- Simple HI-LO-OFF one-button, battery-powered operation.

### Visual imaging fracture, caries and root canals



### Contents

- LUMINDEX™ 3 handpiece x1
- 3 mm light guide rod x1
- AAA alkaline battery x2
- Disposable sleeve x20
- Instructions for use x1



### Specification

Battery type	2 x AAA alkaline batteries
Color temperature	White LED, 6500 K
Radiant intensity	Low mode : 15,000 Lux above at 5 mm High mode : 30,000 Lux above at 5 mm
Dimensions	16 mmØ (max)x 135mm
Weight	59 g (including batteries)

### Optical Accessories: Endo-Lux

The more Endo-Lux performs, the more posterior caries, cracks and fractures will be identified.



2402-0018 Endo fiber 1mm,40pcs/set

2402-0017 Endo-Lux  
5.5 Ø 1 with 10 pcs Endo fiber

## One Click Away for Your Simple Checkups

LUMINDEX 3 Plaque empowers you to check dental plaque and caries bacteria easily with just one click.

Under the violet light exposure, the dentine caries area shows a visible red fluorescence sign.

## Visualize Your Thought with Precision

During the treatment, you can see the carious area in no time. It makes the dental excavation simply easy with the precise assessment. With the minimally invasive excavation, the treatment can also be improved and fastened, providing high quality experience to the patients.

- Super-high luminosity Violet-LED with assists in detecting dental plaque or dental caries bacteria.
- Make the restoration material easily visible.
- Immediate feedback for dentine caries excavation treatment.
- Simple one-button, battery-powered operation.
- Easily apply it to check posterior teeth.

## Visual Image of Dental Plaque, Dental Caries Bacteria & Residues of Composite

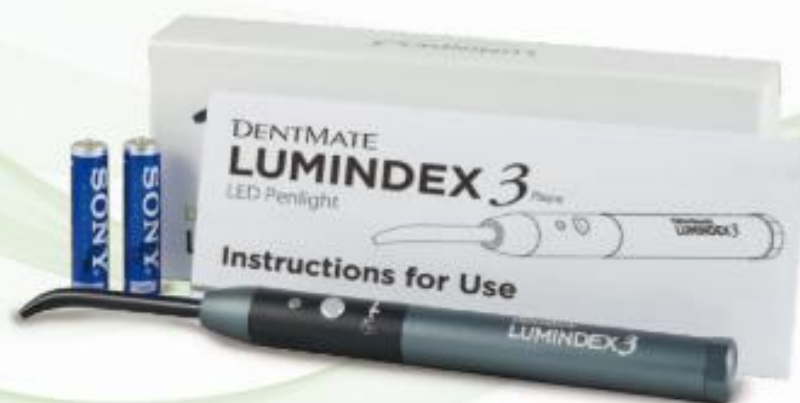


### Contents

LUMINDEX™ 3 Plaque handpiece x1  
Optical fiber light guide rod x1  
AAA alkaline battery x2  
Disposable sleeve x20  
Instructions for use x1  
Filter x1

### Specification

Battery type	2 x AAA alkaline batteries
Voltage	3.0 V
LED Wavelength	around 405 nm
LED Radiation Output	80-250 mW
Dimensions	L135 x Ø 16 mm
Weight	59 g (including batteries)



LED PENLIGHT

Plaque

LUMINDEX 3



# INNOVATION

*Save time, Save cost, Multiple Functions*  
**POST-CURING FOR 3D PRINTED**



# TRAYDEX

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## LED Light Curing Machine

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High Power LEDs | Broadband LEDs | Save Fabricating Time

# TRAYDEX - LED Light Curing Machine



TRAYDEX 18



TRAYDEX 45

## ✓ Save time

**Fast curing** High power LEDs, broadband LEDs, save fabricating time.

## ✓ Multiple functions

1. : Light Intensity
2. : Duty Cycle (Flash Cycle)
3. : Working Time

## ✓ Save cost

**Stable light volume** High power LEDs with constant current circuit; there's no need to change UV fluorescent light tube.

## ✓ Post-curing for 3D printed

High power UVA LEDs is including, which results in a quick and uniform curing cycle.

## Specification

	TRAYDEX 18	TRAYDEX 45
Power input	100-240 Vac / 50-60 Hz	100-240 Vac / 50-60 Hz
Consumed power	30 W	70 W
Fuse	1 A	2 A
Quantity of LEDs	10	25
Wavelength of LEDs	375-470 nm	375-470 nm
Curing time	5-995 sec	5-995 sec
Irradiance (385 nm)	21.6 W/cm <sup>2</sup>	52.5 W/cm <sup>2</sup>
Irradiance (405 nm)	17.3 W/cm <sup>2</sup>	43.4 W/cm <sup>2</sup>
Irradiance (460 nm)	6.5 W/cm <sup>2</sup>	16.4 W/cm <sup>2</sup>
Memory setting	Final setting	3
Dimension	L195 x W210 x H140 mm (max)	L200 x W220 x H160 mm (max)
Inner chamber dimensions	L176 x W126 x H86 mm (max)	L140 x W140 x H83 mm (max)
Weight	2.2 Kg	3 Kg



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Made in Taiwan



DENTMATE  
**LUMINDEX 5**

*LED Headlight*



**Under 10 gram**

**Wireless Charging**

**Customized All Mounts**





# LUMINDEX 5 Features



## Customized mounts

Adjust to most attachments like headcam, flip-up loupe and glasses clip.



## Easy to rotate

Easy to rotate the cord to 4 directions without hindering the vision and operation.



## Shadow free

With coaxial alignment design, it offers shadow free image.

LUMINDEX 5 Others



## Uniform light spot

The uniform light spot delivers crisp and sharp image and brings edge-to-edge clarity at what your eyes focus and reduces eye strain.



## Lightweight

Lens is smaller than a size of penny.



## Multiple lens

Precision multiple Lens optical system consisting of two high-quality lenses.



## Easily detachable wire

Easy removal for replacing wire.



Color Temperature	5700 K	Weight (Lamp)	9.8 g
Color / Beam Uniformity	Uniform beam	Lens Size	Ø 14 mm
Light Intensity at 400 mm	5000 lux	Light Spot Size at 400 mm	100 mm

Under 10 g / Uniform / Multiple Lens / Wireless Charging / Customized All Mounts / Smartphone Connection



### Various levels of light

Various levels of light intensity allow you to level up your view to fit every situation with the best lighting.



Battery Indicator



### Application

Smartphone Connect  
Control lighting and monitor the using status via application.



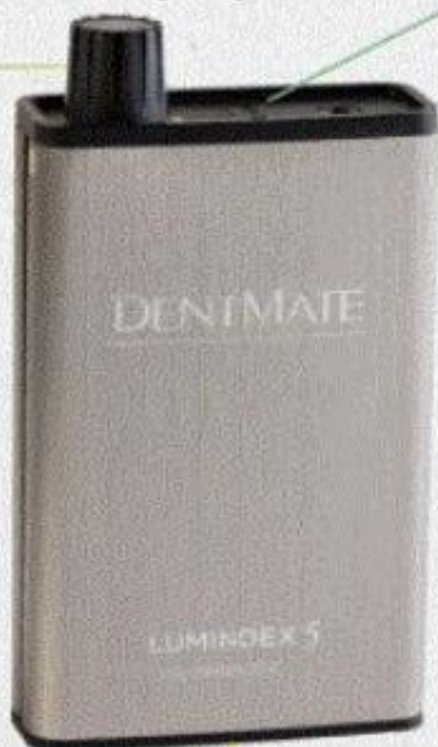
### (Qi) Wireless charging stand

Simply put the battery pack onto the stand, LUMINDEX 5 charges automatically with the Qi inductive wireless charging technology. Without the contact of the pogo pin, it prolongs the service life of the product.

109 mm

23 mm

61 mm



### ⚡ Fast charging with cord

Headlight could still be operated while in charge through USB cord.



Battery Pack (including battery clip)

167 g

Built-in Microcontroller

Yes

Wire Length

1.5 m

Charging Time

3-5 hours

Composite Filter

Yes

Battery Run Time

10 hours

Battery Clip

Yes

Battery Status 3760 mAh · 397 Wh/L · DC 3.7 V

# LEDEX™

## CM4000

### RADIOMETER



- **Wide Range Measurement**

It displays up to a 4000 mW/cm<sup>2</sup> intensity of blue light in the wavelength range of 430–490 nm.

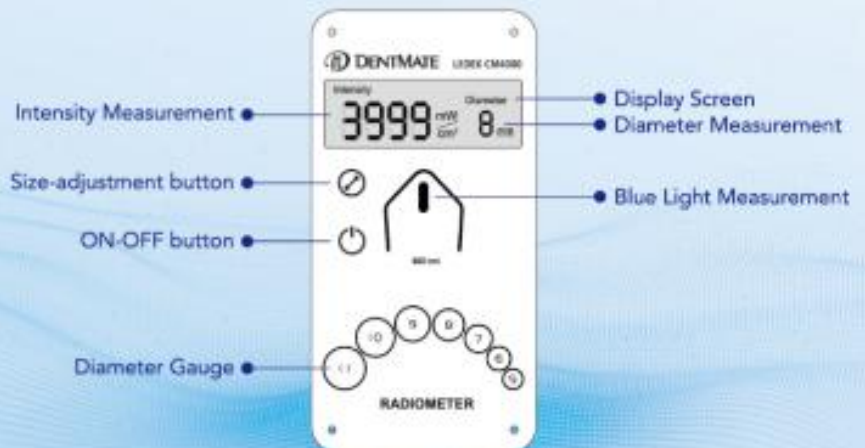
- **Latest Optical Measurement Technology**

The measure result can be more accurate due to measurement size can be adjusted from diameter 5 mm to 11 mm.

- **Save the Energy of Battery**

Automatic sleep design can help to save power; it allows long time use under normal operation, and provides low battery warning.

#### Indications for use



#### Specification

	CM4000
Voltage	DC 4.5V
Battery	AAA Alkaline Battery X3
Range of wavelength measurement	430 nm – 490 nm
Range of light intensity measurement	0 mW/cm <sup>2</sup> – 4000 mW/cm <sup>2</sup> , Calculate: Wavelength 460 nm, Diameter 8 mm
Range of diameter measurement	5 mm – 11 mm
Size	L120 mm x W62 mm x H15 mm
Weight	90 g (including battery)




CM4000

# FINDEX™

## PLAQUE DISCLOSING AID

The Thought of the dentist :  
Early Discovery is the key.



-  One second detected
-  Prevention of dental plaque
-  Corrective dental care
-  Extraordinary convenience
-  Wireless charging stand

# PREVENTIVE DENTISTRY CARE TODAY, SAVINGS TOMORROW

## Extraordinary Convenience

Dental plaque is the sticky film that forms on teeth. If it is not removed on a frequent basis, it can lead to tooth decay and gum disease. You or your family may be brushing regularly, but it is hard to see with the naked eye because plaque is nearly the same color like teeth.



## Inspects Early Stages Of Tooth Decay

The FINDER™ Plaque Disclosing Aid uses FIND™ plaque filter window, to easily check dental plaque which shows a red fluorescence via a violet light exposure. In just one second, you will get the result and see dental plaque clearly via FIND™ plaque filter window.



The traditional way to detect dental plaque uses chemical dyes, which leaves some residue of chemical dyes; FINDER™ does not use chemical inspection, thus avoiding leaving a residue of chemical dyes in your mouth.

## Specification

Light Source	High power 1 W LED x 4, average lifespan is 1,000 hours.
Wavelength	390-420 nm, peak : 405 nm
Radiant Intensity	Up to 1200 mW
Battery	Lithium-ion, 3.7 V/1200 mAh, charging time : 3 hours approx, Using time : 250 times with two lines mode.
Power supply	Mini USB jack, inupt : 100-240 V, 50/60 Hz, output : DC 5 V/2 A
Dimensions	156 x 81 x 16 mm(main unit), 158 x 76 x 16 mm (wireless charging stand)
Weight	110 g (main unit), 80 g (wireless charging stand)



(wireless charging stand)

