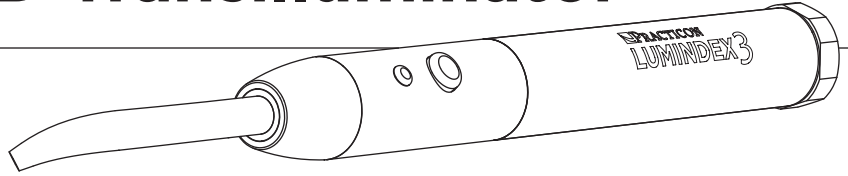




# Practicon® Lumindex™ 3 LED Transilluminator



## Instructions for use

Thank you for purchasing the **Lumindex 3 LED Transilluminator**. Significant research and development has made the Lumindex 3 a superior product designed for years of trouble-free use.



Please read and understand all the instructions before using this device, and save this manual for your reference. This manual is subject to change without notice.

## PRACTICON

PRACTICAL INNOVATIONS FOR DENTISTRY  
1-800-959-9505 • Fax 1-800-278-0885  
practicon.com • Greenville, NC 27834  
Made in Taiwan • IFU 7118835\_2

### SYMBOLS USED



Hazard warning



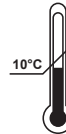
High Intensity Light



Serial number



Catalog number



Temperature limits



Read instructions before use



Date of manufacture



Keep dry



Humidity limitation



For professional use only



Manufacturer



Recycling



Atm. pressure limitation



EU representative



CE Marking



Do not dispose of with normal household waste

IPX0

Ordinary equipment

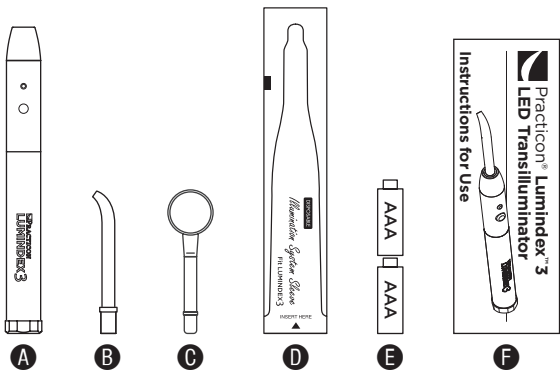
### Product information

The light has been manufactured with a super-high luminosity LED to assist in detecting fractures, root canal orifices, caries, and calculus during therapeutic or surgical procedures, often without the need for X-rays. Immediate feedback saves time and improves productivity, patient comfort, and care.

- Automatic compensation circuit for constant power output.
- Low battery LED indicator.
- Auto shut-off function.

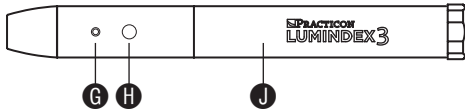
### Indications for use

Lumindex 3 is an auxiliary transilluminator for dental/medical diagnosis and oral hygiene instruction by dental/medical professionals. For best diagnosis results, reduce ambient light and/or turn off dental unit overhead lamp.



## System components

Item	Description	Qty
A	Lumindex 3 Handpiece	1
B	Standard 3mm Light Guide	1
C	Disposable Dental Mirror	1
D	Barrier Sleeves	20
E	AAA Alkaline Batteries	2
F	Instructions for Use	1



## Usage

### H ON/OFF Button

Pressing the button turns the light ON and selects the preferred intensity mode in a HI-LO-OFF pattern:

- Press the button once for high intensity.
- Press the button again for low intensity.
- Press the button again to turn the light off.

### G LED low battery indicator

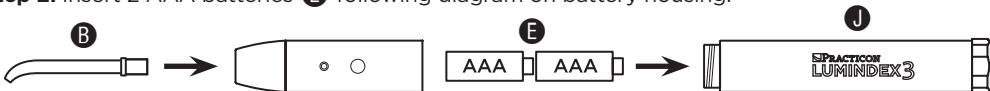
When the LED indicator flashes every 3 seconds, replace batteries with new AAA alkaline batteries.

### J Battery compartment

## Assembly instructions

**Step 1:** Unscrew battery compartment J counterclockwise.

**Step 2:** Insert 2 AAA batteries E following diagram on battery housing.



**Step 3:** Carefully insert the fiberoptic light guide B or the dental mirror C straight into the hand piece using caution not to break the guide or mirror. **DO NOT FORCE.**

**Step 4:** Press the ON/OFF button H to operate.

## Auto shut-off function

Lumindex 3 will turn off automatically after 5 minutes of inactivity to conserve battery power.

## Cleaning, disinfection, and sterilization

The use of disposable barrier sleeves is an additional precautionary measure against contamination and does not substitute for disinfection of the device. Disposable sleeves are designed for single-use only.

**!** This product must be disinfected as normal preparation for each patient. Read this entire section before cleaning the unit. Failing to follow these guidelines could cause damage to the device.

The body of the device can be wiped with a solution indicated for surface disinfection. Follow all solution manufacturer's guidelines for use. Do not use a solution containing bleach. **DO NOT IMMERS.**

The removable fiberoptic light guide is autoclavable to 273°F (134°C). Follow all sterilization equipment manufacturer's guidelines.

The dental mirror attachment is for single-use only.

# WARNINGS



## User

FOR DENTAL/MEDICAL USE ONLY by dental/medical professionals.

### Ambient conditions



Do not store the device in humid surroundings. Do not place the device where it may come in contact with liquids. Do not expose the device to any heat sources.

Do not use the device in the presence of free oxygen, anesthetics, or flammable substances.

Do not charge, operate, or store the device at high temperatures. Comply with the specified operating and storage conditions.

### Electric shock hazard



The Lumindex 3 is an electric device designed to meet worldwide electrical safety standards. To avoid electric shock:

- Do not attempt to open or alter the unit in any way. Only the service centers authorized by DENTMATE can open the unit housing and repair the device.
- Do not put any foreign objects into the housing of the unit.

### Burn hazard



As it is the case with all high performance lights, the high light intensity results in a certain heat development. Prolonged exposure near the pulp and soft tissues may result in irreversible damage. Therefore, this device must be operated by trained professionals only.

### Eye hazard



Use proper eye protection when using this device. Do not aim the light at eyes. Light reflected from the tooth surface may also injure eyes.

### Battery



Use AAA alkaline batteries only. Do not short circuit battery. Do not store at temperatures above 40°C (104°F) (or 60°C for a short period). In case of storage period of 6 months or longer, remove batteries from housing.

### Battery disposal



For environmental reasons, please dispose of batteries according to local environmental guidelines or regulations. DO NOT dispose of batteries in fire.

### Repairs and defects

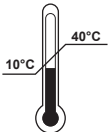


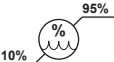


Do not use the device if you suspect it is damaged or defective. If batteries are defective, DO NOT transport the device by air freight under any circumstances.

## Troubleshooting

Problem	Resolution
Cannot turn on the device	Insert 2 new AAA batteries following diagram on battery housing

## Product specifications

Type of information	Specifications
Device Name	LED Transilluminator
Model Number	Lumindex 3
Battery	1.5V AAA Alkaline Battery x 2
Light Source	High-powered LED
Color Temperature	6500°K
Radiant Intensity	Low Mode: 15,000 lux @ 5mm High Mode: 30,000 lux @ 5mm
Device Dimensions	16mm Ø (max) x 135mm L
Device Weight	59g
Protection from Ingress of Liquid	<b>IPX0</b>
Environment	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>Ambient Temperature:</p>  </div> <div style="text-align: center;"> <p>Atmospheric Pressure:</p>  </div> <div style="text-align: center;"> <p>Relative Humidity for Operation:</p>  </div> <div style="text-align: center;"> <p>Relative Humidity for Storage/Transport:</p>  </div> </div>

## Warranty

Practicon, Inc. warrants the product to be free of manufacturing defects for a period of one (1) year from the date of purchase, deemed as the date of the invoice. At its own discretion, units returned due to manufacturing defects within the warranty period will be repaired or replaced. The following are expressly excluded from the warranty:

- Damage and/or failure of the equipment caused by dropping and/or jolting during handling after purchase and/or during normal use.
- Damage and/or failure of the equipment caused by natural disasters, such as earthquakes, floods, lightning, pollution, incorrect electrical voltage, and voltage spikes.

Any attempts to open the handpiece will invalidate the warranty.

Date of invoice \_\_\_\_\_

## Accessories and spare parts

Only use original Practicon components, accessories, and spare parts.

Item Number	Description	Qty/Unit
71-18836	Standard 3mm Light Guide	1 ea
71-18837	Barrier Sleeves	100/box
71-18843	Disposable Mirror Attachment	50/box



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