

APPLICATIONS FOR DIFFERENT SPECIALTIES

1. **General Dentistry**
 - A. Assists in detection of caries. This technique is especially helpful for location of caries which may be blocked on x-ray due to existing fillings.
 - B. Locates supra and sub gingival calculus.
 - C. When composite removal is required, locates residual composite material which appears darker than surrounding tooth structure.
2. **Prosthodontics**
 - A. Location of the dentino-enamel junction in crown preparations.
 - B. Location of fractures in teeth and porcelain jackets.
3. **Endodontics**
 - A. Location of the root canal orifice.
 - B. Detection of broken instruments in the root canal.
 - C. Location of root fractures.
4. **Periodontics and Dental Hygiene**
 - A. Useful as an auxiliary light source during periodontal surgical procedures.
 - B. Assists in detection of sub gingival calculus.
 - C. Helps demonstrate decay and calculus directly in the patient's mouth and is a valuable aid in patient motivation.
 - D. Oral hygiene instruction and routine screening procedures by the hygienist or assistant.
5. **Oral Surgery**
 - A. Aids in detection of soft tissue lesions when used with DL Light guide and Acetic Acid Rinse-covered in our Microlux/DL sales literature.
 - B. Location of bone chips and fractured root tips.
 - C. Generally useful as high intensity auxiliary light.
6. **Orthodontics**
 - A. Location of proximal caries when teeth are banded.
7. **Pedodontics**
 - A. Diagnosis of crown fractures in traumatic injuries.

REPLACEMENT PARTS / ACCESSORIES:

P/N 630003 Standard 3mm Light Guide
P/N 600045 Micro Tip 2mm Light Guide
P/N 110066 Pedo Light Guide, 2mm
P/N 640056 Standard Lighted Mirror Attachment
P/N 600053 Microlux DL Light Guide
P/N 630002 Battery type AAA
P/N 600027 Protective Sleeves (Qty 250)
P/N 640035 Endo-Lite with 5 Fiber Light Guides
P/N 640039 Endo-Lite Refill Kit (Qty 45)
P/N 640041 Perio Kit with 5 Fiber Light Guides
P/N 640042 Perio Guide Refill Kit (Qty 45)
P/N 640072 Proximal Caries Attachment
P/N 640071 Proximal Refill Kit (Qty 45)

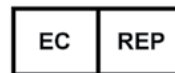
SPECIFICATIONS:

Unit Part Numbers:	110019 (3mm), 110026 (2mm), 110035 (DL)
Electrical Equipment Class:	1
Battery:	2 - Type AAA
Light Emitting Diode:	High intensity diode
Color Temperature:	6,800° Kelvin approximately
Light Intensity:	2500 lux (232 ft-c), Minimum
Performance:	Battery life: 10 hrs. (Will vary with battery manufacturer)
Overall Unit Dimensions:	
Length:	5.38" (137 mm)
Diameter:	.61" (15.5 mm)
Weight:	2.0 oz (57 grams) 2.2 oz (62 grams) with light guide

MANUFACTURER



AdDent, Inc.
43 Miry Brook Road, Danbury CT 06810
Phone: 203-778-0200
Fax: 203-792-2275
Email: info@addent.com
Website: www.addent.com



EMERGO EUROPE
Prinsessegracht 20
2514 AP The Hague
The Netherlands



ISO 13485 COMPLIANT



ADDENT, INC. 43 MIRY BROOK ROAD, DANBURY CT 06810
PHONE: 203-778-0200 | FAX: 203-792-2275
EMAIL: INFO@ADDENT.COM | WEBSITE: WWW.ADDENT.COM

MICROLUX™

TRANSILLUMINATOR

MICROLUX DIAGNOSTIC SYSTEM INSTRUCTIONS FOR USE



MICROLUX TRANSILLUMINATOR OPERATION & FIRST TIME USE

To turn the unit on & off, the end cap incorporates an alternate action switch which can be activated by depressing the black button. For ease of use, the light guide should be inserted with a slight rotating motion.

WARNING: Insert the glass light guide into the plastic nose cone with firm pressure. The stainless steel ferrule at the end of the light guide should be covered by the plastic nose cone and a slight click may be heard. To remove, rotate slightly and pull on the light guide at the same time. This focused image grade light guide is fragile – handle with care.

Not Sterile. Warranty registration at www.addent.com

MAINTENANCE

If the Microlux is not going to be used for more than 30 days, it is recommended that the batteries be removed.

When replacing batteries, it is important that they be placed in proper polarity. Place each battery with the positive (+) terminal in the front towards the LED.

CLEANING – HOUSING

The aluminum housing can be wiped down with most disinfectants. Do not spray disinfectant onto unit.

DO NOT AUTOCLAVE THE LED HANDPIECE LIGHT SOURCE. DOING SO WILL VOID YOUR WARRANTY. DO NOT AUTOCLAVE THE PERIO PROBE, ENDO-LITE OR PROXIMAL CARIES ATTACHMENT WITH THE FIBER INSERT IN PLACE. DOING SO WILL VOID YOUR WARRANTY.

Be especially careful not to get disinfectant into the front of the nose cone assembly, since this could damage the LED contacts or reduce the light output.

P/N 660100 REV. D 6/2017

CLEANING – FIBER OPTIC LIGHT GUIDE

The fiber optic light guide is a high quality image grade glass light guide designed to focus the LED light at the output. The light guide can be wiped with disinfectant, cold sterilized, autoclaved, or heat sterilized. It is not recommended they be chemclaved.

MICROLUX TRANSILLUMINATION TECHNIQUE GUIDE

For best results, all transillumination procedures should be performed with the room lights dimmed or turned off.



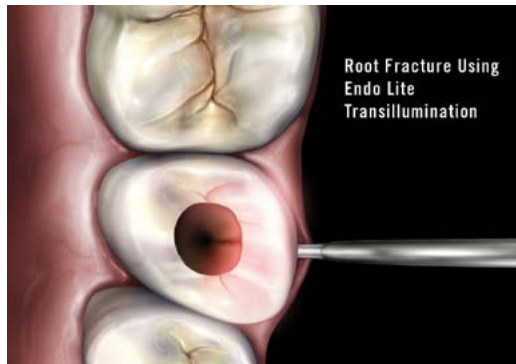
Microlux Transilluminator: Available with 2 & 3mm glass light guides which allows doctors to better visualize caries on anterior and posterior teeth.



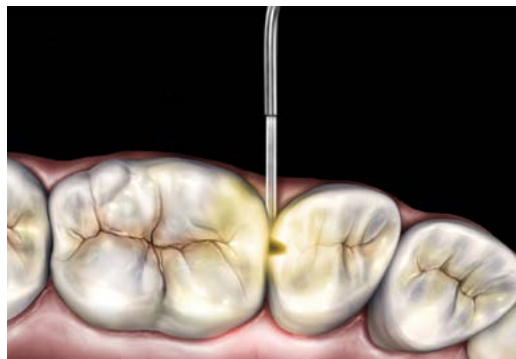
Anterior Caries: Anterior caries can be visualized by placing the probe on the labio-cervical region of the tooth and examine from the lingual. **Shown Above: 3mm P/N 630003, 2mm P/N 600045, Pedo P/N 110066**



Posterior Caries: To visualize posterior proximal decay, place the probe on the cervical area of the tooth. Caries appear as a dark shadow on the occlusal surface. **Shown Above: 3mm P/N 630003, 2mm P/N 600045, Pedo P/N 110066**



Root Fracture: Root fractures can often be detected by using the Endo Fiber tip. Place it either buccally or lingually in the gingival sulcus. A fracture line will appear dark via transillumination from the outside to the inside of the canal. **Shown Above: P/N 640035**



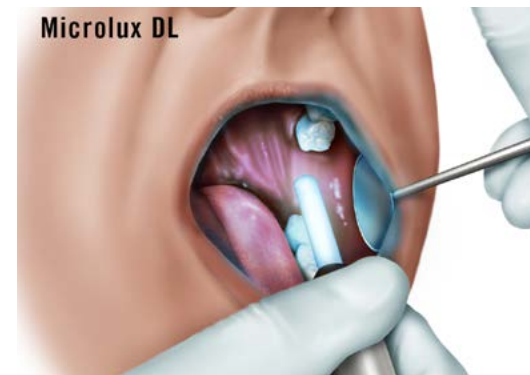
Posterior Caries: Caries can be also detected using the Proximal Caries fiber tip. Place the lighted fiber tip interproximally under the marginal ridge. View from the occlusal. This method often shows caries with high definition. **Shown Above: P/N 640072**



Root Canal Orifice: To help locate root canal orifice, place the light source on the buccal or lingual cervical region of the tooth. **Shown Above: 3mm P/N 630003, 2mm P/N 600045, Pedo P/N 110066**



Periodontal Disease: To detect the depth of the periodontal pockets and gingival recession, use the lighted Perio Probe and insert the tip in the gingival sulcus. The depth indications are 3, 5, and 7mm. **Shown Above: P/N 640041**



Oral Cancer Screening: For oral Cancer screening, have the patient rinse with 1% acetic acid and place the Microlux DL tip in mouth. Any acetowhite or leukoplakia lesions become more visible. **Shown Above: P/N 600053**