



**Research & Development U.S.A.**

**7-11 S. Broadway Suit LL-3 White Plains NY 10601**

**(800) 454-9244 / 914-682-6600**

**U.S.A**

# **Extra Light**

## **User Guide**

# Extra Light Overview

**Extra Light is a new generation of Dental and Surgeons head mounted LED light with the exciting features:**

- **Loupes mounted** - Extra**Light** comes with easy mounted on Magnification loupes.
- **Daylight color light** - allows the doctor too see tissues and teeth in the oral cavity in their true color, just like in natural day light.
- **Narrow beam** - allows the surgeon to illuminate the oral cavity, without dazzling the patient.
- **Adjustable slope angle** - beam's angle can be adjusted up to 180 degrees to fit individual surgeons and tasks.
- **Lightweight** - Extra**Light** weighs just **14.4 grams**, applying minimal pressure on the forehead or the nose, when mounted on glasses.
- **Cordless** - Extra**Light** is powered by compact rechargeable power packs, allowing the surgeon freedom of movement.
- **Continues work**- Extra**Light** **two** compact rechargeable power packs let you work continuously.

## **Technical specifications**

### **Headlight**

<b>Luminous intensity:</b>	130lm (min)
<b>Brightness on 35 cm distance:</b>	38000 lux
<b>Color temperature:</b>	6000 (±200) °K
<b>Illuminate beam radius on 35 cm distance:</b>	60 mm
<b>Dimensions (w/o headband):</b>	34(L) x 25(D) mm
<b>Weight (w/o headband):</b>	14.4g
<b>Led lifetime:</b>	50000 hours

### **Power Pack**

<b>Internal battery voltage:</b>	4.8V
<b>Battery capacity:</b>	2.5Ah
<b>Full battery charging time:</b>	120min
<b>Average operating time:</b>	5.5 hours
<b>Dimensions:</b>	97(H) x 65(W) x 38(D) mm
<b>Weight:</b>	160g

### **Charger**

<b>Type:</b>	AC/DC Adapter
<b>Input voltage:</b>	100 - 240V
<b>Wall outlet plug:</b>	Euro/US
<b>Output power:</b>	12W

## **User's Guide**

### **1. Power Packs 48/24**

- 1. On/Off Power Switch**
- 2. Charger Connector**
- 3. Charging Indicator**
- 4. On/Off Indicator**
- 5. Headlight cable Connector**

## 2. **Battery Charging**

Plug the charger into a wall outlet and insert the jack into the charger connector on the Power Pack (see Fig 1). Charging Indicator will light Red and will change to Green, when battery is fully charged. Average charging time of an empty battery is 100 minutes.

**Note:** If you plug on Power Pack for charging with fully discharge battery, charging indicator may turn Green light. In this case please unplug charger cable and plug it again.

### **ATTENTION**

**Do not** use any third party chargers with Extra Light Power Packs, even ones with identical electrical parameters. If you do, Power Pack may be irreversible damaged.

### **IMPORTANT**

To prolong the lifetime of your battery please follow these guidelines:

1. Do Not charge a fully charge battery.
2. Discharge a Power Pack as much as possible before recharging it.
3. Once per month leave powered on Headlight overnight for a maximum battery discharging.

### 3. Connecting The Headlight

Plug the Headlight cable directly into the headlight connector on the right side of the Power Pack, as shown in Fig 2.

Fig 2

### 4. Using Extra Light

Mount the headlight on your Loupes. Attach the Power Pack to your belt, connect them as described above and hit the power switch to turn on the light.

Adjust the slope angel of the lighting body according to your comfort. (Adjust the light beam to coincide with through loupes viewable area.)

For a right-handed person, it is recommended to mount the Power Pack on the left side of the body.

**You are ready to start enjoying working with the EXTRA LIGHT.**

## **Dent Corp. Research and Development – Limited Warranty**

Dent Corp.'s warranty obligations for the Extra Light are limited to the terms set forth below:

Dent Corp.'s warranty the Extra Light products against defects in materials and workmanship for a period of one (1) year for the head light and for all supplied parts from the date of original purchase ("Warranty Period").

If a defect arises and a valid claim is received within the Warranty Period Dent Corp. will (1) repair the products at no charge, using new or refurbished replacement parts, (2) Exchange the product with a product that is new or which has been manufactured from new or serviceable use parts and is at least functionally equivalent to the original product.

If a defect arises and a valid claim is received after the first ninety (90) days of Warranty Period, shipping and handling charge will apply to any repair or exchange of the product undertaken by Dent Corp.

When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes Dent Corp.'s property.

### **EXCLUSIONS AND LIMITATIONS**

This warranty does not apply: (a) to damage caused by accident, abuse, misuse, misapplication or none Dent Corp. Product; (b) to damage caused by service performed by unauthorized repair service personnel by Dent Corp.; (c) to a product or a part that has been modified without written permission by Dent Corp.; or (d) if any Dent Corp. warranty label has been removed or defaced.