

Rechargeable for the sake of the environment



# LED LENSER®



# LED LENSER®



A light giant with green standards

## Innovative principle

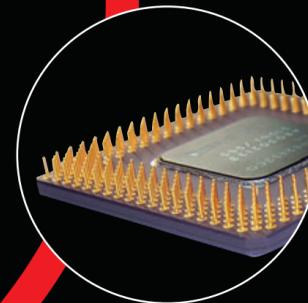
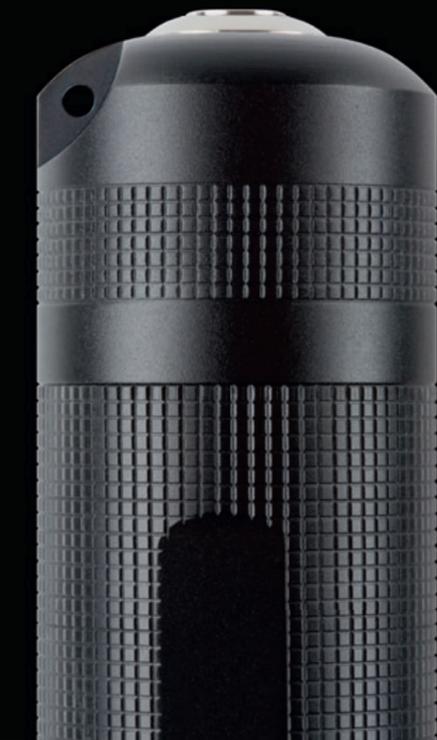
A torch has never been so easy to recharge. Charger and torch are connected by the invisible forces of magnetism



Charge condition indicator

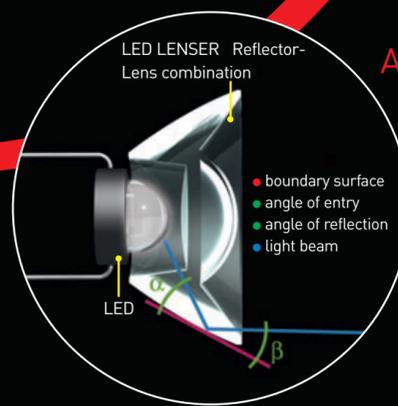


Charge contact in the switch



## Microcontroller

Thanks to high-tech microcontrollers, the flashlights of our M series feature individual light programs. In addition, their energy consumption is optimized by intelligent software.



## Advanced Focus System (AFS)

We have reconciled lens and reflector, Galilei and Newton, and make use of the advantages of both systems.

The development of the reflector-lens, i.e. a combination of reflector and lens, is the result of our cooperation with one of the leading light research institutes in Europe. The innovative lens system AFS enables us to tailor-make light with an efficiency that amazes even experts. The Advanced Focus System allows for stageless transition from homogeneous, circular low beam to sharply focused long-distance beam. AFS has been patented\* at home and abroad.

\* EP Patent 1880139; US Patent 11 / 662, 309

# ZWEI BRÜDER OPTOELECTRONICS

Ledco Ltd. • Kingswick House • Kingswick Drive • Sunninghill, Berkshire SL5 7BH, Great Britain • Phone: +44 (1344) 876222 • Fax: +44 (1344) 630999 • mail@ledco.co.uk • www.ledlenser.co.uk

## M7R

M-Series Microcontroller-Series



# LED LENSER® M7R

Our M7R convincingly proves that with a good concept high performance and conscientious environmental sustainability are not natural enemies.

When it comes to performance, features and functionality there is hardly anything comparable. The focus quality, the illuminating power and the optimised user ergonomics of the M7R have yet to meet their match. All the benefits of the M7 were married to the comfortable Floating Charge System – one of the most advanced charging systems of our time.

The operational time has almost doubled and the intelligent illumination control of the Smart Light Technology predestines this torch for use in professional, every-day situations

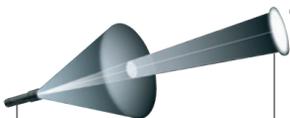


## Intelligent Clip

With the Intelligent Clip, you can attach the flashlight to your trouser or belt at lightning speed. The clip can take any position.



LED LENSER M7R in a practical hard-top case



## Advanced Focus System

LED	High End Power LED
Length	156 mm
Weight	206 g
Luminous Flux	220 lm*
Battery	1 x ICR18650
Energy tank	8,1 Wh
Burning life	20,5 h**
Beam distance	255 m*

Technical Data



reddot design award winner 2010

## Features

- Smart Light Technology (SLT) Microcontroller-operated
- Advanced Focus System (AFS) Homogeneous circle of light (defocused) Sharply focused long-distance beam (focused)
- Fast Lock (stepless focus fix)
- Speed Focus (one-hand focusing)
- Innovative charging system (Floating Charge System)
- Wear-free charging contacts
- Robust metal housing
- Hard gold-plated contacts

## Scope of delivery

- Hard-top case
- 1 x ICR18650
- Charging station
- Intelligent Clip, Hand strap
- Instruction manual
- Smart Instruction Card

Item No. 8307-R

\* Luminous flux (lumens) resp. max. beam distance (meters) in the brightest function when switching on with one new fully charged rechargeable battery. Average values that may vary ± 15 % depending on type of chip and rechargeable battery.  
\*\* Hours of burning life as measured in the lowest energy-consuming mode and until residual luminous flux amounts to 1 lumen.

## Floating Charge System

The **Floating Charge System** is based on a new principle. Due to the magnetic charge socket, the flashlight seems to hover in its mounting. The magnetic contact makes for convenient charging, while the lamp remains easily accessible.

In contrast to conventional charging systems, storage batteries need not be removed. Unreliable and delicate charging plugs are a thing of the past thanks to wear-free magnetic contacts.



Power Pack

There are situations when you have to rely on your own equipment. With the practical mains adaptor, the M7R can be charged from any conventional plug socket.



USB-Charger Leads

While you're taking a break your torch can also recharge its batteries. The USB connector gives you independence from mains adaptors. This occasional little boost can be supplied via any PC or laptop.



Car Charger

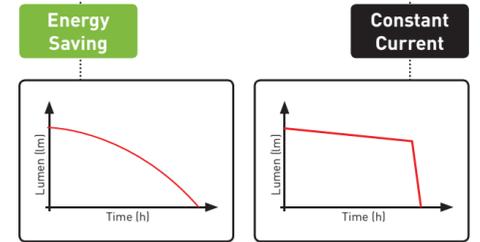
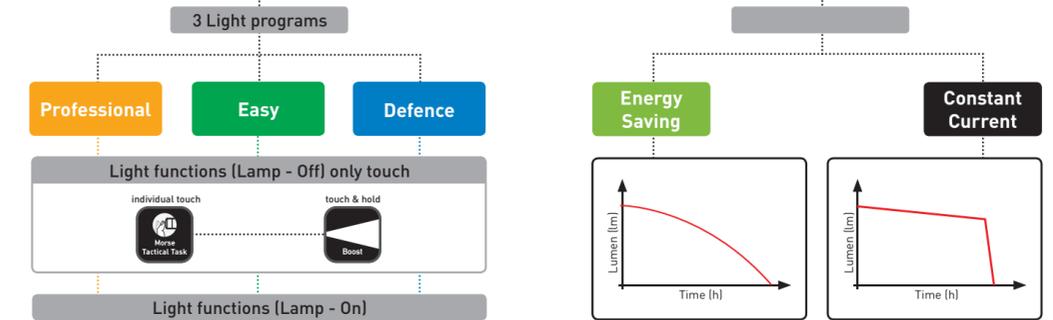
When the sun goes down your finest hours begin. Enjoy the freedom of mobile illumination with the versatile options provided by the Floating Charge System.

## Diverse settings call for individual light programs

### Smart Light Technology (SLT)

Accordingly, our light designers created Smart Light Technology. Its basis consists of computer-optimized micro-controllers that are a component part of all M-Series products. The result is a symbiosis of many different light programs and easy control via one single push button.

In addition, the intelligent microcontroller, core piece of Smart Light Technology, also optimizes energy consumption. With that, we set new standards in the fields of modern control and compact design. Technology and design in perfect harmony.



The Energy Modes are the selectable basic settings of your flashlight. You can choose between Energy Saving Mode, which optimizes burning life, and Constant Current Mode (constant current control) with electronically controlled, continuous light output.

### Low Battery Message System

When the light dies down on the way home Many flashlights now on the market – especially voltage control models – leave you in the dark from one second to the next as soon as battery power is exhausted. Smart Light Technology (SLT) constantly checks the battery charge condition and informs you in due time when changing batteries is necessary.

### 1. Morse / Tactical Task

This function enables you to send individual signal sequences.

### 2. Boost

If the switch is pushed only once, the lamp for a short time shines brighter than it does when in continuous operation mode.

### 3. Power

High light output for any situation.

### 4. Low Power

Light output is dimmed down to approx. 15 %, which also makes for a considerably extended burning life.

### 5. Dim

Stageless adjustment between 15 % and 100 % enables you to choose the desired light intensity.

### 6. Blink

Light pulses are emitted automatically in regular intervals. This function enables you to signal your position, for example.

### 7. S.O.S.

In case of an emergency, the lamp's SOS function can call help to your side. The signal is visible for several kilometers, which increases the chance of being rescued.

### 8. Defence Strobe

Personal safety was the basic idea behind this function. High-frequency light flashes (Strobes) are a quick and effective method of self-defence. In the field of non-lethal weapons, even the US army banks on this technology.