

Ultimate **LED** Light

LE250

To be released
in
Spring 2009



W40° Filter·LE
Comes with the LE250



W50° Filter·LE
Optional product



with the W40° Filter·LE



with the Red Filter·LE

Compact body & unbeatable brightness 250 lumen

The INON LE250 is equipped with Cree 5W high intensity power LED providing 250 lumen with compact body size 195.5mm(L) x 33.7mm (max. diameter). As a photographic equipment manufacture, we stick on light color and successfully produce color temperature 6,000K which is close to natural light avoiding bluish influence like conventional white LED light but supporting to create vivid underwater world with natural color.

Fly-eye filter efficiently diffusing light

The LE250 comes with a hollow diffusing filter made from two laminated high transmittance optical grade acrylic fly-eye lenses. This fly-eye lens filter has extraordinary coverage with less light attenuation comparing to a translucent diffusing filter. Also a red filter is supplied for the mode of life observation. This red filter helps not giving stress to shy creatures.

〔W40° Filter·LE〕...Comes with the LE250 to increase beam angle to 40°

〔W50° Filter·LE〕...Optional product to increase beam angle to 50°

Flexible beam angle selection

A light with an ordinary reflector has less light intensity on main area due to light diffusion. The LE250 is an ideal diving light with unique collimator system made from effective combination of total reflective acrylic material without intensity loss and collective lens providing even and constant 20° beam angle. With the supplied W40° Filter, the LE250 works as close range modeling light producing rimless natural wide beam. You can freely control light depending on various situations.

Beam coverage
with W40° Filter·LE

Beam coverage
without a filter



Single Light Holder•LE



Quad Light Holder•LE
& Z Joint



Double Light Holder•LE
& Z Joint

Wide range optional accessories Powerful 『Quad Light Holder•LE』

The INON LE250 is not simple handy light but has wide range of optional accessories as photographic equipment. Especially different type holders『Single』『Double』and capacious『Quad』support photography and videography. 4 x LE250s on the quad light holder not only provides four times intensity but supports new photographic expression to flexibly configure condensed/diffused light source by using/not using diffusing filters.

High quality corrosion resistant aluminum alloy body

The LE250 body is made from aluminum alloy carrying seawater-resistant characteristic providing high durability and high quality. The LE250 is dual use LED light on land/underwater and ensures to benefit you in every fields.

Reasonable 3 x AA size battery operation

The LE250 runs by easily obtainable 3 x AA batteries. Particularly next generation NiMH battery “eneloop” has less self-discharging and repeatedly rechargeable characteristic enabling you to continuously use the LE250 for 135 minutes with practicable intensity. The LE250 is suitable even for night diving.

Double O-ring, depth rating 120m

Double O-ring structure on battery retaining part and switch part uses well-established oil-bearing O-rings to prevent accidental flooding and acquires 120m depth rating(※). The switch is rear rotate style with anti-rotation stopper. Simple yet reliable switch construction supports reliable ON/OFF operation and the stopper prevents accidental flooding caused by over tightening.

(※)Depth rating 120m. INON has confirmed operation check at 78m depth during use test.



Double O-ring for
battery compartment

LE250 specifications

LED	5W high intensity power LED x1	Batteries	AA“eneloop”(HR-3UTG) x3 AA NiMH x3 AA Alkaline x3 AA Lithium x3
Brightness	250 lumen	Dimensions	φ33.7mm(φ1.3 in) x 195.5mm(7.7 in)
Beam Angle	20° [without a filter]	Weight	[air]208.5g(7.4 oz), [u/w]120g(4.2 oz) (with 3“eneloop”batteries)
	40° [with W40°Filter•LE] 50° [with W50°Filter•LE]	Depth Rating	120m(394ft)
Color Temp.	approx. 6,000K	Lamp Lifetime	approx. 10,000 hr
Operable Duration (※)	approx.135 min [“eneloop”batteries]	Body Material	Corrosion resistant aluminum alloy, PBT, Optical glass
	approx.140 min [Alkaline batteries] approx.180 min [Lithium(1.5V) batteries] approx. 200 min [NiMH batteries(2,700mAh)]	Package contents	W40°Filter•LE, Red Filter•LE, Hand strap, Inon grease

(※)Indicated duration is an average time to get half intensity during continuous operation using fully charged batteries in shaded room (room temp. approx. 20°C/68°F). Intentional 5 refreshes are made for eneloop and NiMH batteries before the test to stabilize battery condition.

Test Battery

“eneloop”battery	SANYO “eneloop”HR-3UTG, 1.2V, Min.1,900mAh, Typ.2,000mAh
NiMH battery	SANYO Twicell 2700 Series, HR3UG, 1.2V, Min.2,500mAh, Typ.2,700mAh
Alkaline battery	PANASONIC “EVOLTA”LR6(EJ), 1.5V
Lithium battery	FUJIFILM/Energizer LITHIUM, FR6, 1.5V

FULL SIZE