



## INON Waterproof LED Light LF3100-EW Specifications (\*1)

LED	High-intensity Power LED (Cree XM-L2™T6™)
Max. Luminous flux (*2)(*3)	approx. 3,100-100 lumen [FULL mode, 6 steps power setting (approx. 1.0EV per step) Max. value with "eneloop pro" battery] approx. 1,100- 50 lumen [LOW mode: 6 steps power setting (approx. 0.9EV per step) Max. value with "eneloop pro" battery]
Coverage (Underwater)	approx. 100° [without a filter and with packaged Dome Red Filter LF-EW]
Color Temp. (*3)	approx. 5,000K
Operable Duration 【Underwater】 (*4)(*5)	approx. 35 minutes ~ 1,310 minutes (21hrs 50mins) ["eneloop" battery at FULL, Level 6(Max.) ~ Level 1(Min.)]
	approx. 110 minutes ~ 2,340 minutes (39hrs 00mins) ["eneloop" battery at LOW, Level 6(Max.) ~ Level 1(Min.)]
	approx. 45 minutes ~ 1,715 minutes (28hrs 35mins) ["eneloop pro" battery at FULL, Level 6(Max.) ~ Level 1(Min.)]
	approx. 140 minutes ~ 3,185 minutes (53hrs 05mins) ["eneloop pro" battery at LOW, Level 6(Max.) ~ Level 1(Min.)]
	approx. 25 minutes ~ 915 minutes (15hrs 15mins) ["Alkaline" battery at FULL, Level 6(Max.) ~ Level 1(Min.)]
	approx. 60 minutes ~ 1,940 minutes (32hrs 20mins) ["Alkaline" battery at LOW, Level 6(Max.) ~ Level 1(Min.)]

Compatible Battery	AA "eneloop" / "eneloop pro" battery x 6 (*6)
	AA NiMH [good quality] x 6 (*7)
	AA Alkaline battery x 6
Depth rating	120m / 394'(*8)
Size	Max. diameter 52.1mm/2.1" x 179.0mm/7.0"
Weight (*9)	Air:390.7g/13.8oz, Underwater: approx.172g/6.1oz
Working/Storage Temperature	0 ~ 30 / 32°F ~ 86°F
Working circumstances	Underwater only
LED life time	approx. 10,000 hours
Material/ Finishing	Corrosion resistant aluminum alloy/rigid almite, ABS, PC, PMMA etc.
Standard accessory	Light Shade LF-EW, Dome Red Filter LF-EW,
	Hand Strap, INON Grease
EMC standards	EN 55015:2013, EN 61547:2009,
	CRF 47 FCC Part 15 Subpart A and B ,
	ICES-003:2016(Issue 6, Amendment 1)

\*1) Subject to change without prior notice

\*2) Nominal value calculated from LED manufacture specification sheet.

\*3) Due to individual variability of LED, drive circuit or battery etc., luminous flux, color temperature or intensity may vary within rated specification.

\*4) Average time to get half brightness when continuously turn ON the product with below listed batteries underwater (approx. 25 /77°F).

- "eneloop" battery : Panasonic "eneloop", BK-3MCC, 1.2V, Min.1,900mAh
- "eneloop pro" battery : Panasonic "eneloop pro", BK-3HCD, 1.2V, Min.2,500mAh
- Alkaline battery : Panasonic "EVOLTA NEO"LR6NJ, 1.5V

\*5) Actual measured data by INON. The value may vary depending on product individual variability, battery manufacture/model, test condition.

\*6) "New generation" NiMH batteries carrying less self-discharging and heat generating characteristic comparing to "conventional" or "high-capacity" NiMH including listed batteries as below confirmed compatible by INON INC. as same as recommended "Panasonic "eneloop"/"eneloop pro" battery (BK-3MCC, BK-3HCC, BK-3HCD) <sub>a</sub> .

- Panasonic Corporation Model name: eneloop 【recommended】 /Model code: BK-3MCC
- Panasonic Corporation Model name: eneloop pro 【recommended】 /Model code: BK-3HCC, BK-3HCD
- SANYO Electric Co.,Ltd Model name: eneloop 【recommended】 /Model code: HR-3UTG/ HR-3UTGA/ HR-3UTGB
- SANYO Electric Co.,Ltd Model name: eneloop pro 【recommended】 /Model code: HR-3UWX
- Sony Corp. Model name: Cycle Energy Blue/Model cod : NH-AA-2BKA, NH-AA-4BKA
- Panasonic Corporation Model name: Rechargeable Ni-MH (AA)/Model code : HHR-3MPS
- Maha Energy Corporation Model name: IMEDION/Model code : MHRAAI4
- GP Batteries International Ltd Model name: ReCyko+ /Model code : 210AAHCBE
- ANSMANN AG Model name: maxE/Model code : 5030991, 5030992, 5035052
- Electrochem Automation Inc. Model name: NEXcell energyON/Model code : n/a (AA 2000mAh)

\*7) Some "conventional" or "high-capacity" NiMH rechargeable batteries have significant self-discharge and heat-generating characteristic resulting difficulty to keep their performance during usage. We recommend using recommended batteries.

\*8) Without operating the "Switch". INON has confirmed depth rating 70m/230' including switch operation.

\*9) Including 6 x AA "eneloop" batteries.