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INON Waterproof LED Light LF800-N Specifications (*1)

LED	High-intensity Power LED (Cree XM-L2"T6")
Max.Luminous flux (*2)(*3)	FULL mode: approx.800 lumen ["eneloop pro" battery]
	LOW mode: approx.300 lumen ["eneloop pro" battery]
Coverage	approx. 5°
Color Temp.(*3)	approx. 5,000K
Operable Duration【air】(*4)(*6)	approx. 65 minutes ["eneloop" battery at FULL]
	approx. 215 minutes ["eneloop" battery at LOW]
	approx. 85 minutes ["eneloop pro" battery at FULL]
	approx. 265 minutes ["eneloop pro" battery at LOW]
	approx. 70 minutes [Alkaline battery at FULL]
	approx. 215 minutes [Alkaline battery at LOW]
Operable Duration【Underwater】(*5)(*6)	approx. 70 minutes ["eneloop" battery at FULL]
	approx. 215 minutes ["eneloop" battery at LOW]
	approx. 90 minutes ["eneloop pro" battery at FULL]
	approx. 265 minutes ["eneloop pro" battery at LOW]
	approx. 75 minutes [Alkaline battery at FULL]
	approx. 215 minutes [Alkaline battery at LOW]
EMC standards	EN 55015:2006 + A1:2007, EN 61547:1995 + A1:2000,
	CRF 47 FCC Part 15 [incidental radiator],
	AS/NZS CISPER 15:2006

Compatible Battery	AA "eneloop" / "eneloop pro" battery x 3 (*7)
	AA NiMH [good quality] x 3 (*8)
	AA Alkaline battery x 3
Depth rating	120m / 394'(*9)
Working range (*11)	approx. 22cm/8.66" ～ ∞ [air]
	approx. 30cm/11.8" ～ ∞ [Underwater, with/without a filter and without a condenser lens]
	approx. 15cm/5.91" ～ ∞ [Underwater, with one condenser lens]
	approx. 11cm/4.33" ～ 32cm/12.6" [Underwater, with two condenser lenses]
Size	Max. diameter 60.6mm/2.4" x 144.6mm/5.7"
Weight (*10)	Air: 270.2g/9.5oz, Underwater: approx.134g/4.7oz
Working/Storage Temperature	0℃～30℃ / 32°F～86°F
LED life time	approx. 10,000 hours
Material/ Finishing	Corrosion resistant aluminum alloy/rigid almite,
	PBT, PC, Optical grass etc.
Standard accessory	Hand Strap, INON Grease

*1) As of December, 2014. 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 on land (approx. 20℃/68°F)
- "eneloop" battery： Panasonic "eneloop", BK-3MCC, 1.2V, Min.1,900mAh
- "eneloop pro" battery： Panasonic "eneloop pro", BK-3HCC, 1.2V, Min.2,450mAh
- Alkaline battery： Panasonic "EVOLTA"LR6(EJ), 1.5V

*5) 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-3HCC, 1.2V, Min.2,450mAh
- Alkaline battery： Panasonic "EVOLTA"LR6(EJ), 1.5V

*6) Actual measured data by INON. The value may vary depending on product individual variability, battery manufacture/model, test condition.
*7) "New generation" NiMH batteries carrying less self-discharging and heat generating characteristic comparing to "conventional" or "high-capacity" NiMH including below listed batteries confirmed compatible by INON INC. as same as recommended『Panasonic "eneloop"/"eneloop pro" battery (BK-3MCC, BK-3HCC)』.
- Panasonic Corporation Model name: eneloop【recommended】/Model code: BK-3MCC
- Panasonic Corporation Model name: eneloop pro【recommended】/Model code: BK-3HCC
- 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)

*8) 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.
*9) Without operating the "Switch".
*10) Including 3 x AA "eneloop" batteries.
*11) Theoretical working distance to illuminate a subject without significant center spot and not same as the maximum distance this product can deliver light.