

LE series LED flashlight

SPEC. CHART

	LE550-W	LE550-S	LE240	LE250
Specification (*1)				
LED Components	High-intensity Power LED (CREE MC-E "M")	High-intensity Power LED (CREE MC-E "M")	High-intensity Power LED (CREE XR-E "Q5")	High-intensity Power LED (CREE XR-E "Q5")
Luminous Flux (*2)(*3)	550 lumen	550 lumen	240 lumen	250 lumen
Coverage	75° [without a filter] 75° [with LSU Filter・LE]	40° [without a filter] 40° [with Red Filter・LE] 65° [with W50° Filter・LE]	20° [without a filter] 20° [with Red Filter・LE] 40° [with W40° Filter・LE] 50° [with W50° Filter・LE]	20° [without a filter] 20° [with Red Filter・LE] 40° [with W40° Filter・LE] 50° [with W50° Filter・LE]
Color Temperature (*3)	approx.6,000K	approx.6,000K	approx.6,000K	approx.6,000K
Usable Environment	Underwater	Underwater	Underwater	Air/ Underwater
Operable Duration (Underwater) (*4)(*6)	approx.70 minutes["eneloop" battery] approx.100 minutes[NiMH battery] approx.95 minutes[Alkaline battery] approx.125 minutes[Lithium battery (1.5V)]	approx.70 minutes["eneloop" battery] approx.100 minutes[NiMH battery] approx.95 minutes[Alkaline battery] approx.125 minutes[Lithium battery (1.5V)]	approx.75 minutes["eneloop" battery] approx.100 minutes[NiMH battery] approx.35 minutes[Alkaline battery] approx.125 minutes[Lithium battery (1.5V)]	approx.135 minutes["eneloop" battery] approx.200 minutes[NiMH battery] approx.195 minutes[Alkaline battery] approx.205 minutes[Lithium battery (1.5V)]
Operable Duration (Air) (*5)(*6)	—	—	—	approx.135 minutes["eneloop" battery] approx.200 minutes[NiMH battery] approx.140 minutes[Alkaline battery] approx.180 minutes[Lithium battery (1.5V)]
Compatible Battery	AA "eneloop" battery x 3 (*7) AA NiMH[good quality] x3 (*8) AA Alkaline battery x 3 AA Lithium battery (1.5V) x 3	AA "eneloop" battery x 3 (*7) AA NiMH[good quality] x3 (*8) AA Alkaline battery x 3 AA Lithium battery (1.5V) x 3	AA "eneloop" battery x 2 (*7) AA NiMH[good quality] x 2 (*8) AA Alkaline battery x 2 AA Lithium battery (1.5V) x 2	AA "eneloop" battery x 3 (*7) AA NiMH[good quality] x3 (*8) AA Alkaline battery x 3 AA Lithium battery (1.5V) x 3
Depth Rating (*9)	120m / 394'	120m / 394'	120m / 394'	120m / 394'
Size , Weight	Max.dia. 33.7mm x 194.6mm / 1.3"x 7.7" 220.0g / 7.8oz (air) (*10) approx 132g / 4.7oz (underwater) (*10)	Max.dia. 33.7mm x 198.0mm / 1.3"x 7.8" 221.0g / 7.8oz (air) (*10) approx 130g / 4.6oz (underwater) (*10)	Max.dia. 33.7mm x 148.0mm / 1.3"x 5.8" 173.0g / 6.1oz (air) (*11) approx 98g / 3.5oz (underwater) (*11)	Max.dia. 33.7mm x 195.5mm / 1.3"x 7.7" 208.5g / 7.4oz (air) (*10) approx 120g / 4.2oz (underwater) (*10)
Working・Storage Temperature	±0 ~ +30°C / 32 ~ 86° F	±0 ~ +30°C / 32 ~ 86° F	±0 ~ +30°C / 32 ~ 86° F	±0 ~ +30°C / 32 ~ 86° F
LED Life Time	approx.10,000 hours	approx.10,000 hours	approx.10,000 hours	approx.10,000 hours
Material , Finishing	Corrosion resistant aluminum alloy/rigid almite, PBT,Optical glass etc.	Corrosion resistant aluminum alloy/rigid almite, PBT,Optical glass etc.	Corrosion resistant aluminum alloy/rigid almite, PBT,Optical glass etc.	Corrosion resistant aluminum alloy/rigid almite, PBT,Optical glass etc.
Standard Accessory	LSU Filter・LE, LSU Filter Red・LE, LSU Filter Pink・LE, LSU Filter Orange・LE, Hand Strap, INON Grease	Red Filter・LE, Hand Strap, INON Grease	W40° Filter・LE, Red Filter・LE, Hand Strap, INON Grease	W40° Filter・LE, Red Filter・LE, Hand Strap, INON Grease

*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 on underwater (approx. 25°C/77° F).

・ "eneloop" battery : SANYO "eneloop" , HR-3UTGA, 1.2V, Min.1,900mAh
 ・ NiMH battery : SANYO Twicell 2700 Series, HR-3UG, 1.2V, Min 2,500mAh
 ・ Alkaline battery : Panasonic "EVOLTA" LR6(EJ), 1.5V
 ・ Lithium battery (1.5V) : Energizer e2 LITHIUM, FR6, 1.5V

*5) Average time to get half brightness when continuously turn ON the product with below listed batteries on land (approx. 20°C/68° F).

・ "eneloop" battery : SANYO "eneloop" , HR-3UTG, 1.2V, Min.1,900mAh
 ・ NiMH battery : SANYO Twicell 2700 Series, HR-3UG, 1.2V, Min 2,500mAh
 ・ Alkaline battery : Panasonic "EVOLTA" LR6(EJ), 1.5V
 ・ Lithium battery (1.5V) : Energizer e2 LITHIUM, FR6, 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 listed batteries as below confirmed compatible by INON INC. as same as recommended [Sanyo "eneloop" battery (HR-3UTG)] .

・ SANYO Electric Co.,Ltd Model name: eneloop [recommended] /Model code: HR-3UTG /HR-3UTGA
 ・ 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 : MHRAA44
 ・ 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" . INON has confirmed depth rating 78m/256' including switch operation.

*10) Including 3 x AA "eneloop" batteries.

*11) Including 2 x AA "eneloop" batteries.