LumaPower
LM series: Re Definite

Re Defining the ideal Every Day Carry (EDC) flashlights, the LumaPower LM31 and LM33 provide an optimal balance between output and runtime. Featuring precision engineered 'orange peel' textured reflectors, AR coated lenses and state of the art Seoul Semiconductor (SSC) P4 LED's the LM series flashlights offer superior beam quality, efficiency and output. The LM series lights are meticulously crafted from aircraft quality aluminum which is anodized to harden the material and enhance durability.

The LM series are compact, dual-output LED flashlights, with a high beam bright enough for tactical applications and a low beam for close work or extended runtime without the complication of unnecessary or redundant modes.

The LM31 is powered by 1 AA sized battery of any chemistry: Alkaline, NiMh, Lithium or Lithium Ion[1].
The LM33 is powered by 1 CR123A sized battery; primary or rechargeable (3-3.6V)

Included Accessories:
-Holster
-Lanyard
-Optional Glow in the Dark switch cover
-Spare O-rings

Operation: The flashlight is composed of three sections: the tail cap, the battery tube and the emitter module.
1 – Remove tail cap by turning counter-clockwise while holding the battery tube.
2 – Insert battery with + anode (button) pointed towards the LED.
3 – Replace tail cap, screwing it on clockwise while holding the battery tube.
4 – Press tail cap switch; first click engages low output, second click engages high output, third click turns off the light.
5 – The LM series lights have a lock-out feature to prevent accidental activation. While holding the battery tube turn the emitter module counter-clockwise 1/3 of a turn to engage the lockout; reverse to restore normal operation.

Power output:
LM31: Up to 80 Lumens (High/350mah forward current)
LM33: Up to 90 Lumens (High/350mah forward current). Output up to 120 Lumens can be expected using 3.6V RCR123A Lithium Ion batteries.

Runtimes: (Time from 100% to 50% output) [2]

LM31	Alkaline	Lithium Primary	NiMh (2600mah)
High (minutes)	65	130	95
Low (Hours)	25	30	26

LM33	CR123A	RCR123A (650mah/3.6V)
High (minutes)	140	60
Low (Hours)	500	100

Notes:
1 -Lithium Ion AA size (14500) cells work in the LM301 but operation on low output is not recommended.
2- Alkaline performance is an average of Energizer Advanced and Energizer Max performance results. Lithium primary AA and CR123A testing was performed using Energizer E2 Advanced batteries (L91 & ECR123A).