

ACTION LED LIGHTS - BIKE LIGHT COMPARISON CHART

Model	Claimed Lumens	Weight, Light head - (oz)	Size - Dia x length (in)	Modes	Ave. Energy Consumed (Amps @ 7.4V & max output)	Battery configuration	Battery capacity (mAh)	Battery Weight (oz) with pouch or strap	Runtime-hrs. (Max output)	Action LED Price USD	Comments
Gemini Lights											
XERA	950*	2.0	1.26 x 1.62	4	1.23	2 cell hard shell	2600	5.4	2.18	\$170.95	2 cell or 4 cell hard shell battery. Full set includes helmet mount, head belt and ext cable. Interchangeable optics
						4 cell hard shell	5200	9.0	4.37	\$197.95	
DUO	1500*	2.2	1.75 x 0.95 x 1.36	4	1.92	2 cell hard shell	2600	5.4	1.50	\$206.95	2 cell or 4 cell hard shell battery. Full set includes helmet mount, head belt and ext cable.
						4 cell hard shell	5200	9.0	3.00	\$233.95	
Olympia	2100*	2.7	1.5 x 1.8	4	2.12	4 cell hard shell	5200	9.0	2.60	\$269.95	4 cell hard shell or 6 cell soft pack battery. Full set includes helmet mount, head belt nad ext cable.
						6 cell soft pack	7800	11.3	4.20	\$296.95	
XERA Flashlight	850*	5.7 (with batt)	1.3 x 5.25	4	1.2	single 18650	3100		1.50	\$134.95	Interchangeable optics. Set includes handlebar mount, charger and spare battery
Magicshine lights											
MJ-808-L2	1200 (800**)	3.7	1.7 x 2.1	4	1.43	4 cell	4400	9.0	3.00	\$86.95	10 degree spot with good spill. Can be changed to 10 x 30 degree beam with optional wide angle lens.
MJ-816-L2	1800 (1400**)	7.1	3.8 x 1.2 x 2.2	3	2.31	4 cell	4400	9.0	2.40	\$104.95	3 separate lights ganged together. One 1000 lumen spot light to light distant objects with 2 400 lumen wide angle side lights to light near object to either side.
MJ-868	1000 (700**)	3.3	1.62 x 2.17	3	1.4	4 cell	5200	9.0	3.75	\$124.95	Comes with high capacity battery and zip-up travel case. Chrome plated
MJ-872	1600 (950**)	3.7	1.65 x 1.95	4	2.31	4 cell	4400	9.0	2.00	\$114.95	25 degree flood light, very bright when on high setting.
MJ-856	1600 (950**)	3.7	1.65 x 1.95	4	2.31	4 cell	4400	9.0	2.00	\$119.95	Same as MJ-872. 25 degree flood light, very bright when on high setting.
MJ-858	400 (300**)	1.4	1.0 x 1.8	3	0.59	2 cell	2200	5.2		\$59.95	Very light weight. Wide flood light beam. Can double as a tail light with included red filter. Makes a great head lamp with elastic head strap.
MJ-880-L2	2400 (1700**)	4.3	2.3 x 1.2 x 3	5	3.45	6 cell hardshell	6600	14.1	2.40	\$189.95	Basically 2 MJ-808's in one housing. 10 degree spot for each. 5 brightness settings. Wide angle lens available separately.
Gloworm Lights											
Gloworm X2 ver3.1	1500*	2.8	1.92 x 1.36 x 1.92	2 or 3	2.12	4 cell hard shell	5800	7.2	2.50	\$269.99	Set includes hardware for helmet mounting. Optional quick release bar mount or head strap available. Interchangeable optics (included) Remote switch
						2 cell hard shell	2900	5	1.25	\$239.99	
Gloworm X1 ver2	950*	2.3	1.24 x 1.38	2 or 3	1.43	2 cell hard shell	2900	5	2.25	\$199.99	Set includes hardware for helmet mounting. Optional quick release bar mount or head strap available. Interchangeable optics (included) Remote switch
						4 cell hard shell	5800	7.2	4.50	\$229.99	
Gloworm CX	600*	4.2		3		single 18650	3400	1.8	1.50	\$129.99	Single cell battery is easily changed. USB rechargeable.
Gloworm XS	2200*	3.9		2 or 3	3.23	High Capacity 4 cell hard shell	6800	7.2	2.00	\$369.99	Includes helmet mount and quick release bar mount. Programable (see manual) remote

* - Actual measured Lumens
 ** - Estimated actual lumens