

This is a list of proven caving appropriate headlamps which are either readily available production models or are currently purpose built and sold by enthusiasts. Headlamps with less than 200 lumen maximum output will not be considered. Generic headlamps without proper model identification will not be considered. Headlamps which are not currently available on the english language online mail-order market will not be considered. I will attempt to update this list as the market moves forward.  
Send suggestions for additions, corrections, etc. to moreshire@gmail.com

Manufacturer	Model	Cost USD	Exposed Materials	Light source (model)	Battery location	Battery type	Headband / mount	H2O claims	CCT	Output max lumen	Beam	Longest Runtime	Shortest Runtime	Modes	Upgrading and options	Release date
Fenix	HL30	\$45	plastic / elastic	LED (CREE XP-G) + red 5mm diode	all in front	2xAA	double strap	IPX6		200	spot	140hrs	1.75hrs	6		
Fenix	HP11	\$65	plastic / nylon / elastic / glass	LED (CREE XP-G)	back of head	4xAA	double strap	IPX6	cool white	277	spot	206hrs	3.5hrs	7	-removable diffuser	2011
ZebraLight	H51 / H51F / H51w / H51Fw / H51c / H51Fc	\$65	aluminum / silicone / elastic / glass	LED (CREE XP-G or Philips Rebel)	all in front	1xAA	single strap	IPX7	model specific HICRI options	200 (H51) 174 (H51w) 140 (c models)	spot or diffused model specific	384hrs	0.9hrs	8		2010 / 2011
ZebraLight	H31 / H31F / H31w / H31Fw / H31c / H31Fc	\$65	aluminum / silicone / elastic / glass	LED (CREE XP-G or Philips Rebel)	all in front	1X CR2 or 1x16350	single strap	IPX7	model specific HICRI options	220 (H31) 189 (H31c)	spot or diffused model specific	504hrs	0.9hrs	7		2010
Fenix	HP25	\$70	aluminum / plastic / elastic / nylon	LEDs (CREE XP-E)	back of head	4xAA	double strap	IPX6		360	spot and/or flood	220hrs	< 2hrs	12		2013
Princeton Tec	Apex / Apex Pro / Apex Extreme	\$70	plastic / elastic / nylon	LED +5mm LEDs	back of head or belt model specific	4xAA or 8xAA or 2xCR2 or proprietary li-ion	double strap	1m	cool white	200	spot	14hrs	< 1hr	4		
ZebraLight	H502 / H502c / H502w	\$70	aluminum / silicone / elastic / glass	LED (CREE XM-L) (H502w uses XM-L2)	all in front	1xAA	single strap	IPX7	model specific HICRI options	260 (H502) 260 (H205w) 170 (H502c)	flood	2045hrs	0.9hrs	11		2012
Spark	SX5	\$75	aluminum / nylon / glass	LED (CREE XM-L)	back of head or belt	3xAA or 3xAAA or 1x26650 or optional 4x18650	double strap	IPX8	5000K or 6500K models	360	spot	4320hrs (26650 battery)		6	-optional long cord -can modify by removing reflector to convert to flood	2012
Black Diamond	Icon	\$80	plastic / nylon / elastic	LED +5mm LEDs	back of head	4xAA	double strap	IPX7	cool white +red	200	spot	175hrs	5hrs	fully dimming (4)		updated in 2012
Fenix	HP20	\$85	plastic / nylon / glass	LED	belt	4xAA	double strap	IPX8	cool white	230	spot	24hrs	3.5hrs	7	-removable diffuser	2012
Petzl	MYO RXP2	\$90	plastic / nylon / elastic	LED	back of head	3xAA	double or single strap	IPX4	cool white	205	spot with flip-down diffuser	53hrs	< 35mins	Programmable (4 modes from 10 choices)		(RXP2 model update in) 2011
ZebraLight	H600 / H600w / H600F / H600Fw	\$90	aluminum / silicone / elastic / glass	LED (CREE XM-L)	all in front	1x18650	single strap	IPX7	model specific	750 (H600) 645 (H600w)	spot or diffused model specific	1920hrs	> 3.5hrs	9		2011
Spark	ST6	\$100	aluminum / silicone / elastic / glass	LED (CREE XM-L)	all in front	1x18650	double strap	IPX8	5000K or 6500K models	500 / 460	spot	192hrs	1.8hrs	5		2011
Spark	SD6	\$100	aluminum / silicone / elastic / glass	LED (CREE XM-L)	all in front	1x18650	double strap	IPX8	5000K or 6500K models	500 / 460	flood	2160hrs	1.8hrs	5	-removable reflector	2011
Spark	SD73	\$100	aluminum / silicone / elastic / glass	LED (CREE XM-L)	all in front	3xAAA	double strap	IPX8	5000K or 6500K models	300 / 280	flood	840hrs	1.1hrs	5		2012
Spark	SD52	\$100	aluminum / silicone / elastic / glass	LED	all in front	2x 14500 or 2xAA	double strap	IPX8	5000K or 6500K models	300 / 280	flood	1200hrs	1.5hrs	5	-removable reflector	2011
Surefire	Maximus	\$200	steel / aluminum / glass / elastic	LED	all in front	Proprietary built-in li-ion	single strap		cool white	500	spot	70hrs	1hr	fully dimming (1)		2012
Kavelight	P60 Headlamp Host	\$225	aluminum / steel / nylon / polycarb	n/a (LEDs) Holds P60 drop-in module (optional floodlight socket holds an additional P60 without a reflector)	back of head or belt	4x18650 or optional 4xAAA	helmet mount or blade mount	"shallow dive tested"	n/a	n/a	n/a (spot and/or flood)	n/a	n/a	n/a	-fits common or custom P60 modules -att battery wiring - floodlight socket	2012
Petzl / CustomDUO	DUO / DUO 14LED / Explorer / DUO Belt	\$245 (\$115 new + \$130 module)	plastic / nylon / elastic / polycarb	Incandescent(s) + 5mm LEDs (or LED upgrades)	back of head or belt model specific	4xAA or 4xC or proprietary NiMH pack	double strap or helmet integrated	IP68 (5m)	warm incan and cool LEDs	low output (up to 380 with upgrades)	spot (spot and/or flood with upgrades)			2	customduo.co.uk -full line of upgrade modules -old used Duos are often sold for <\$20	-upgrade modules updated regularly
Nite Lite	Extreme LED	\$250	aluminum / plastic / nylon	LED	back of head or belt	proprietary li-ion pack included	blade mount	"watertight"		700	spot	40hrs	2hrs	4	-extension cord for belt mounting the battery pack	2007
Petzl	ULTRA / ACCU 4 / ULTRA Wide	\$340	plastic / elastic / polycarb	LEDs	back of head or belt	proprietary li-ion pack included two options (2Ah, or 4Ah)	double strap or helmet integrated	IPX8 (30cm)	cool white	350	spot	17hrs	2hrs	3		2006
Stenlight	S7 Rebel	\$370	aluminum / steel / nylon / rubber	LEDs (Luxion Rebel ES)	back of head or belt	proprietary li-ion pack two options (2.5Ah / +\$30 5Ah)	blade mount optional strap	IPX8 (25 feet)	cool white	500	spot and flood	672 4hrs		4	- crude 1x9v	2011
El Speleo	1600	\$400	aluminum / steel / plastic / nylon / polycarb	LEDs (CREE XM-L)	back of head or belt	proprietary li-ion pack included	helmet mount optional strap	IP68	5000K or 6500K models	1000	spot or flood	122hrs	3hrs	12	-crude 3xAAA	2011



