

LIGHTING COMPARISON CHART

MODEL ↓	SPECS →	BULB AND BEAM TYPE	TESTED AT 20°C		BATTERIES	WEIGHT WITH BATTERIES
			BRIGHTNESS LEVELS	BEAM DISTANCE t0 = FIRST OPERATION WITH NEW BATTERIES		
PETZL						
 MODEL: MYO XP	Powerful 3 watt LED produces focused beam with diffuser and strobe	Maximum - 70 hours	t0 = 45m	3 AAA	170g	
		Optimum - 90 hours	t0 = 35 m			
		Economic - 170 hours	t0 = 20 m			
		Boost mode	t0 = 65 m			
 MODEL:TIKKA XP	4 LEDs produce diffused light, Strobe and Boost Beam	Maximum - 60 hours	t0 = 35m	3 AAA	95g	
		Optimum - 80 hours	t0 = 27 m			
		Economic - 120 hours	t0 = 18 m			
		Boost mode	t0 = 50 m			
 MODEL:TIKKA PLUS	4 LEDs produce diffused light and strobe	Maximum - 100 hours	t0 = 32m	3 AAA	78g	
		Optimum - 120 hours	t0 = 23 m			
		Economic - 150 hours	t0 = 15 m			
 MODEL:TIKKINA	2 LEDs produce diffused light	140 hours	t0 = 23 m	3 AAA	78g	
 MODEL: ZIPKA PLUS	4 LEDs produce diffused light and strobe	Maximum - 100 hours	t0 = 32m	3 AAA	65g	
		Optimum - 120 hours	t0 = 23 m			
		Economic - 150 hours	t0 = 15 m			
BLACK DIAMOND						
 MODEL:VECTRA IQ	1 Superbright Xenon bulb produces focused beam 4 Superbright LEDs produce diffused light	Superbright Xenon Maximum - 3 hours Bright Xenon Maximum - 4 hours 4 LEDs Maximum - 110 hours	Superbright Xenon, t0 = 100m Bright Xenon, t0 = 75m 4 LEDs, t0 = 18m	4 AA	254g	
		Superbright Xenon Optimum - 8.5 hours Bright Xenon Optimum - 10 hours 4 LEDs Optimum - 135 hours	Superbright Xenon, t0 = 75m Bright Xenon, t0 = 50m 4 LEDs, t0 = 15m			
		Superbright Xenon Minimum - 14 hours Bright Xenon Minimum - 18 hours 4 LEDs Minimum - 160 hours	Superbright Xenon, t0 = 50m Bright Xenon, t0 = 25m 4 LEDs, t0 = 12m			
 MODEL: ZENIX IQ	1 Hyperbright LED with lense produces strong beam 2 Superbright LEDs produce diffused light	Hyperbright LED Maximum - 4.5 hours 2 LEDs Maximum - 25 hours	Hyperbright LED, t0 = 35m 2 LEDs, t0 = 15m	2 AA	162g	
		Hyperbright LED Optimum - 6.5 hours 2 LEDs Optimum - 50 hours	Hyperbright LED, t0 = 28m 2 LEDs, t0 = 12m			
		Hyperbright LED Minimum - 22 hours 2 LEDs Minimum - 70 hours	Hyperbright LED, t0 = 20m 2 LEDs, t0 = 10m			
 MODEL: NIGHTRAY	5 Superbright LEDs produce strong diffused light 2 Superbright LEDs produce diffused light	5 LEDs Maximum - 60 hours 2 LEDs Maximum - 100 hours	5 LEDs, t0 = 22m 2 LEDs, t0 = 15m	3 AAA	139g	
		5 LEDs Optimum - 80 hours 2 LEDs Optimum - 150 hours	5 LEDs, t0 = 17m 2 LEDs, t0 = 12m			
		5 LEDs Minimum - 120 hours 2 LEDs Minimum - 200 hours	5 LEDs, t0 = 12m 2 LEDs, t0 = 10m			
 MODEL: ION	2 LEDs produce diffused light	15 hours	up to 18m	6 V	30g	
PRINCETON TEC						
 MODEL: IMPACT 2	1 Ultra-bright LED Diffused and Focus beams	75 hours	up to 28m	4 AAA	80g	
 MODEL: PULSAR 2	1 LED produces diffused light	12 hours	up to 10m	2 x 2016 Lithium Coin Cells	7g	