Spark SX5 compared to Petzl NAO					
Feature	SX5-CW SX5-NW	NAO	Comments		
			NAO Includes 1 non replaceable 2300mah Li-		
Dutas	4	4	Ion Battery. Add \$58.00 for spare. Add \$12.00		
Price	\$75.00	\$175.00	for GP 2600 mAh 18650 for SX5.		
			SX5: Optional belt mount battery pack allows		
			for 4X18650 or 8XCR123A. NAO: Can use		
<b>.</b>	3XAAA, 3XAA, 1X26650,	1X18650 or	2XAAA cells with reduced features and		
Battery	1X18650, 2-CR123A	2XAAA	performance.		
			NAO: Cannot swap standard 18560 cells into		
Use standard rechargable		No: Li Ion, Yes	light, extra cells require buying proprietary		
cells	Yes: All	for AAA cells	Petzl 2300mAh Li-Ion battery for \$58.00		
Battery life on highest					
setting with Li Ion 18650			Battery life on SX5 can be extended to 11.5		
cell	3 hrs	1.3 hrs	hrs at High mode with optional belt pack.		
			Belt case for SX5 extends capacity to 4 18650		
			cells which will give 11.5 hours at max		
			setting. NAO belt case does not extend		
Optional Belt Kit	Yes	Yes	capacity, just relocates battery.		
Can charge external USB			SX5: Either the head mount or belt mount		
devices (iPhone, Android,			pack can charge USB devices with optional		
iPad) from battery pack.	Yes	No	\$6.00 USB cable.		

Highest setting for constant output	350 lumens 320 lumens	315 lumens	According to a reviewer, the 315 lumens for the NAO is the sum of the two separate emitters. So for example you are only getting a maximum of 157.5 lumens from each emitter at any given time.
Emitter	XML-T6 XML-T5	XP-G	XM-L emitter 20% more power efficient and throws more light than XP-G predecessor.
Case Construction Weight	7075 Anodized Alu 140gm	Plastic 190gm	Plastic case does not provide RFI shielding.  Both with headband and 1 18650 battery
Shields RF/EM Interference	Yes	No	Shielded SX5 headlamps will not interfere with radio communications equipment, phones, GPS, etc. Testing has shown that the Petzl does interfere with avalanche transceivers, and distorts images taken with digital cameras.
'Reactive Lighting'	No	Yes	Reactive lighting will cause beam to dim unexpectedly in snow, rain, fog or when mud or water splatters onto the sensor.
Beam Distance on Highest	80m	93m	Actual field testing may change figures.
Beam Pattern	Combination throw/flood 80 degrees spill	1 spot, 1 flood.	Cannot find any published spill data for Petzl.
Articulation Method for positioning beam angle	Elastomer Friction Fit	Plastic Hinges	Unbalanced hinge designs are fragile, prone to breakage, and prone to losing position during repetetive activities such as biking, hiking and jogging.

			SX5: Can change batteries in the dark any polarity. NAO: Cannot change Li Ion battery,
			but you can remove it by disconnecting it, and
			then inserting AAA cells, observing polarity.
<b>Reverse Polarity Insertion</b>			Cannot remove battery with gloves on, and
and protection	Yes	No	difficult with fingers.
Switch between Spot and			
Flood	No	Yes	Spark SD series allows switch spot/flood
	IPX8, submersible to 2m		
	before switch can get	IPX4, splash	
	activated due to water	resistant, not	
Waterproof	pressure.	submersible.	
User selectable lighting	Yes, electronic pressure		NAO: Computer needed to select or modify
modes	switch	Yes	lighting profiles.