

WISDOM Aurora Pro Flashlight

Reviewed by Jeff Cody

New Wisdom Investment in September 2022 released an engineering sample of the new flashlight. Myself and a few others were trusted to review and comment on this light before full production began. I wish to thank Tommy Yeung and Teresa Chen for trusting me to review this exciting new light. I am not aware of Wisdom releasing any flashlights since I have had communication with them. Very possible this can be the first. I received my sample shortly after returning from vacation in late September 2022. I was anxiously waiting for this ones as specs are impressive. Having been lucky enough to test a few of the mining headlamps from this same company I knew this was going to be a good one. I review headlamps and flashlights for various companies and find their headlamps to be the best I have ever used. They are of reasonable price and have the best spot distance and superior water resistance making them excellent for caving. I am not a miner but a longtime caver with 41 years of caving experience in The USA. I typically review these lights for various caving publications and sites and do so with the needs of the caver in mind that may vary from other light users.



After receiving my sample and getting over the excitement of getting it I pulled it out of the box and was taken by its beautiful design incorporating cooling fins at the head of the light. Also was battery indicator near the bottom of the battery tube. Two metal charge connection points at the bottom of the battery tube for the tabletop charger to connect to. The light stands upright on the charge base. I like this design over the traditional USB type charge ports found on many other flashlights. Less likely to allow dust and moisture into the light. Small little details like this is what separates Wisdom from many of its peers. The housing construction is cold forged aluminum with black anodized finish. I always prefer black as it is easy to touch up worn spots with a Sharpie marker or black paint if needed. The light felt well balanced in my hand. It came with a nice wrist lanyard. It was still daylight outside when I received it but did turn it on inside my dark garage. Very bright but with this being more of a spot specific light I knew I had to wait until dark to see what she can do. I charged it to top off the charge while waiting darkness and looked over the spec sheet.

Specs are as follows. The light like many of their headlamps operate off a single Cree S 5 LED. The power source is 4 3500 mAh Panasonic 18650s sealed inside the light as a battery pack. 17 W of power. 237 brightness levels with both tap to select or ramping on the switch. There is a single power on off switch in the middle with a smaller up or down output switches above and below power switch. 2680 Lumens with a listed 4.5 hour runtime on the highest level ...impressive. 100,000 Lux at one meter. A whopping 2000 meter maximum spot distance. Very impressive output for a length of 7.7 inches long with a head diameter of 2.6 inches and a tube diameter of 1.75 inches. That is a lot of spot distance for a light that size. Weight is 1.1 pound. Water resistance is IP68 making it suitable for most caving environments. Impact resistance is 2 meters. To operate you simply push the on off switch and 4 battery level lights near the bottom will light up to indicate current battery level , four lights each indicate 25% power on each light. Light will come on and you tap or hold the smaller up switch to increase intensity or down switch to decrease. The battery unit is sealed so batteries

do not come out or are replaceable. Temperature operating range is minus 4 F to 140 F. Like Wisdom headlamps it is designed for explosion proof standard. A most impressive part of the design is Vapor Chamber Technology to dissipate heat. 2680 Lumens in a light this size is not much compared to others I have seen but the most impressive thing I have seen with Wisdom headlamps is they do not need much lumens to get superior spot output. Given the Vapor Tech and the cooling fins on the head this light should stay cool on the high setting.

Darkness finally came and I took this bad boy off the charge base and took it outside. I turned it on and was taken back by the very impressive spot output. With a spot reach of over one mile I have to be careful as I live along one of the approach routes into Indianapolis International Airport. Being careless with a tool like this can lead to an unpleasant audience with local Homeland Security officials. I typically like to compare new lights with others I have in my impressive stable but I really do not have anything near this size with this output. My Lumentop BLF GT will hang with it as it has a 1.3 mile spot reach of similar beam pattern but it is much larger with much larger reflector diameter and depth. It was very impressive for its size !! I left it on high for quite some time and it did not feel hot. It was around 65 F outside at the time of my test. The beam pattern is spot specific but did have enough of a useable wide spill. This light represents how tech changes rapidly with my other light with similar spot distance being so much larger and a few years old now. Also, I live in the city limits of Indianapolis and not the best place to test lights as I always have city lights. Even with that being considered the light is very impressive. At the time of my test the typical summer humidity was gone. This makes for better conditions as humid summer air does not carry light beams as well. I prefer the crisp winter night sky.

The final part of my review is where I will editorialize a bit and give my pros and cons from the standpoint of things I personally value in a light. Pros certainly outweigh the cons. This is by far the most impressive spot flashlight I have yet to put my hands on. Especially considering its size. Its ability to stay relatively cool on high output is equally impressive. I really like the battery indicator lights that come on when the light is on and give easy indication of battery level at a glance. I like this better than a switch operation and a certain number of flashes. I played with mine for quite some time and the indicator lights did not change. Good quality Panasonic 18650s are used. The S5 LED seems to be great for spot optic as this same one is used



on Wisdom headlamps of impressive spot range. The price of 599 US dollars could be a con for many but I am not aware of what their target market is. It is very impressive and likely worth it. The main con I see on the sample sent to me is the switch. To me not user friendly. The smaller output button is too close to the on off center button and I have accidentally hit the on off when reaching for the output button. Output button is too small and too close to the center button. I admit I am a bit more clumsy with my fingers as I “ fat finger “ keys quite a bit especially on a smart phone. I also did not find the output button as responsive as I prefer. One impressive thing with the switch is it allows tap for output and also a ramping type output selection. Something I have yet to see but the ramping is not as smooth as I have seen on less expensive Anduril type UI. Not sure at this stage of development how easy it would be to change. Also I prefer loose drop in batteries but I understand why this is done this way as to seal it for mining standards just like the headlamps. All in all I am very impressed. Not surprised such an outstanding light can come from a manufacturer of the best headlamps I have ever touched to date.

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来自美国客户 Jeff Cody 的测评

New Wisdom Investment Limited (以下简称 WISDOM) 于 2022 年 9 月发布了一款新手电筒的工程样品。在开始全面生产之前,我和一些其他客户被委任对这款样品灯进行测试和评价。我想要感谢 Tommy Yeung 和 Teresa Chen 对我的信任,让我来测试这款令人期待的新产品。自从我跟 WISDOM 进行商业交流以来,我没有听说过他们发布过任何手电筒产品。这很可能就是第一款。我在 2022 年 9 月下旬休假回来后不久便收到了样品。我很焦急地盼望这个样品的到来,因为它的规格是非常出色的。在测试这款产品之前,我有幸测试了同样来自这家公司的一些矿用头灯,我知道这也将是一款不错的产品。我测试过很多家公司的头灯和手电筒,发现 WISDOM 的头灯是我用过最好的。他们价格合理,具有最佳的强光聚焦射程和出色的防水性能,十分适合洞穴探险。我不是一名矿工,而是一位在美国拥有 41 年经验的长期洞穴探险者。我通常会应各种洞穴探险相关出版物和网站要求,并同时考虑使用其他头灯的洞穴探险者的不同需求来进行测评。



在拿到样品的那一刻,我抑制住内心的激动,将它从盒子里取出来并立即被它美丽的外观设计所吸引。手电筒的头部装有散热片,电池盒底部附近有电量指示灯。电池盒底部的两个金属充电连接点是用来连接桌面充电器的。手电筒可以直立在充电底座上进行充电,与许多其他手电筒所采用的传统 USB 充电端口相比,我更喜欢这种设计,因为这样

可以避免灰尘和湿气进入。对此类细节的重视,便是 WISDOM 与许多同行不一样的地方。产品外壳结构采用的是黑色阳极氧化处理过的冷锻铝材料。我一向更喜欢黑色,因为一旦外观有磨损,便能轻易地用 Sharpie 记号笔或者黑色油漆来修饰这些地方。手电筒握在手中是很平稳的,它带有一条漂亮的手腕挂绳。我在白天收到这款灯,但当我在黑暗的车库中打开灯时,非常明亮。由于这是一款更专注于聚光的手电筒,我知道我需要等到天黑才能对它进行更详细的测试。等待的同时,我对手电筒进行了充电并查看了其规格参数表。



具体参数如下:像 WISDOM 很多头灯一样, WISDOM Aurora Pro Flashlight 使用的是 Cree S5 LED 光源,由四节松下 18650 锂离子电池供电,这些电池并联成一个电池组密封在灯内,可提供 14,000 mAh 的电量。手电筒的功率是 17W,拥有 237 个亮度级别,双击按钮即可进行选择 and 切换。中间有一个单独的电源开关,在电源开关上方和下方有一个较小的向上或向下输出开关。手电筒最强光模式下,光通量能达到 2,680 流明,在一米内的光照度高达 100,000Lux,放电时长为 4.5 小时,非常令人印象深刻。产品最大的光照距离长达 2,000 米,这对一款长度 7.7 英寸,头部直径 2.6 英寸,筒身直径 1.75 英寸的手电筒而言,是十分令人惊讶的。产品重量为 1.1 磅,防水等级为 IP68,具有 2 米抗跌落,适用于大多数洞穴环境。操作方法很简单,您只需要按下

开关，底部附近的 4 个电池电量指示灯就会亮起，以显示当前电池电量，该灯共有 4 个指示灯，每个指示灯显示 25% 的电量。此时灯会亮起，点击或按住向上开关以增加亮度或向下开关以降低亮度。电池组是密封的，所以无法取出或更换。手电筒的工作温度范围为零下华氏 4 度到华氏 140 度。与 WISDOM 头灯一样，它是基于防爆标准设计的，设计中最令人印象深刻的部分是用于散热的真空腔均热板技术。这种尺寸的产品能达到 2,680 流明的光通量在我见过的灯里面并不多，但最出色的还是 WISDOM 头灯无需太多流明即可获得更高的强光聚焦输出。有了真空腔均热板技术和头部的散热片，这款手电筒在高亮度模式下应该能保持凉爽。



终于等到了天黑，我将手电筒从充电设备拔出并带它出门了。我打开灯，再一次被这款产品的光输出所震撼。我住在通往印第安纳波利斯国际机场的其中一条路线上，我必须很小心地使用这款光束能达到一英里以外的手电筒，因为随意使用这样的工具可能会导致当地国土安全部官员的不愉快。我通常会将新灯与我所拥有的其他令人印象深刻的灯进行对比，但我没有看到任何具有接近此尺寸的灯有同样的光输出。我拿了一款最高流明的 BLF GT 灯和它做比较，因为它具有 1.3 英里的光照范围和类似的光束模式，但它尺寸更大，反射器直径和深度也更大。WISDOM 的这款产品尺寸真的令人印象深刻！我将它调到高亮度模式运行了很长一段时间，并没有感觉到发热。在我测试时，室外温度大约是华氏 65 度。手电筒虽是聚光模式，但同时光束两侧亦有足够广泛的光溢出，兼具泛光照明效果。这款灯见证了技术的飞速发展，我的另外一款有几年历史的灯，具有相似的光照距离，但是尺寸却大很

多。其次，我住在印第安纳波利斯市区，并不是测试灯光的最佳地点，因为总有城市灯光干扰。即使在这种条件下，它的光束也是引人瞩目的。在我进行测试时，典型的夏季潮湿天气已过去，这有助于创造更好的测试条件，因为夏季的潮湿天气会影响光束的照射距离。我更喜欢在冬夜清爽的天空测试。

最后我将从个人对灯所看重的一些方面，谈一谈这个产品的优缺点。首先，优点肯定大于缺点，这是迄今为止我拿到的最令人震撼的聚光手电筒。尤其是考虑到它的尺寸，在高亮度输出的同时还能保持相对凉爽的能力是也很令人印象深刻的。我特别喜欢开灯时亮起的电量指示灯，可以一目了然的看到剩余电量。对比用开关按钮来操作或通过 LED 光源闪烁以提示电量状态的方式，我更喜欢这个设计。我使用了这个手电筒很长时间，指示灯并没有变化，这得益于使用了高质量的 18650 锂离子电池。Cree S5 LED 似乎非常适合于聚光照明，因为同样的光源用在 WISDOM 头灯上也具有相当优越的聚光照明范围。599 美金的销售价格对很多客户来说可能偏高，虽然我还不清楚他们的目标市场是什么，但产品是很出色的，很有可能值得这个价格。其中有一个设计，对我个人而言操作起来不是很方便，输出按钮太小，离中心按钮太近。当我按按钮时会不小心碰到电源按钮，因为它们相距太近了。我承认我的手指有些笨拙，尤其是在智能手机上经常操作失误。此外，按钮不如我所期望的那样灵敏。但令人印象深刻的是，这款手电筒可以通过轻按开关亮灯亦可长按持续提高亮度。在此之前我尚未见过这种设计。但对比价格更便宜的 Anduril UI 手电筒，长按按钮操作不太流畅。该产品已进入工程样板评估阶段，我不确定再做出改进是否容易。此外，我更喜欢可拆卸的电池，但我理解 WISDOM 这样做的理由，是为了像头灯一样将电池密封起来以符合矿用标准。总体而言，我对这款产品印象非常深刻。如此出色的手电筒来自我迄今为止接触过的最好的头灯制造商，这一点也不奇怪。