NITECORE®

UT27

MCT™
Variable CRI Multiple Color Temperatures



High CRI Three Color Temperatures Lightweight Trail Running Headlamp

- MAX CRI 97 Variable CRI Multiple Color Temperatures
- HLB1500 Battery Pack / 3 x AAA Batteries
- 800 Lumens
- 74g / 2.61 oz

*These images are for guide purpose only and the actual result may vary depending on ambient factors.
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First in the Industry
Three Color Temperatures & Three CRI Options
All in One Headlamp

Ready for Any Outdoor Adventure





CRI 97

3000K Warm Light

Ensuring clear visual perception
in **high-risk environments**

- Rain & Fog
- Snowfall



CRI 83

4500K Neutral White Light

Fearless in **medium-risk technical terrain**

- Steep Slopes
- Stream Trekking
- Muddy Terrain
- Snow-Covered Trails



CRI 73

6500K Cool White Light

Ready for **low-risk everyday environments**
with superior brightness and efficiency, and extended runtime

- Camping
- Urban Night Running

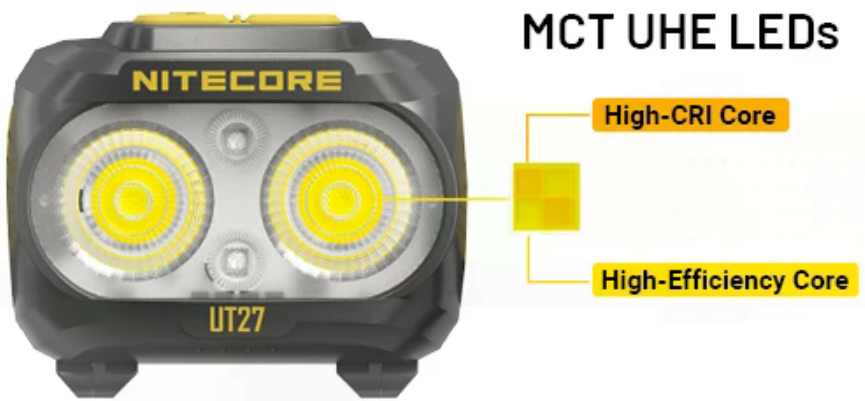
MCT™ MAX CRI 97
Variable CRI Multiple Color Temperatures

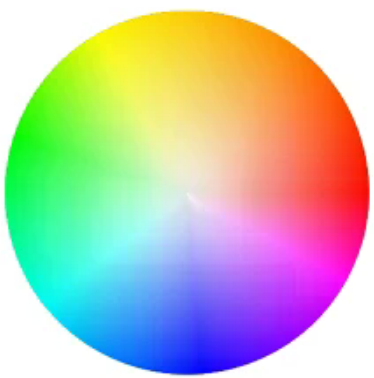
Debut

Variable CRI Multiple Color Temperatures LED

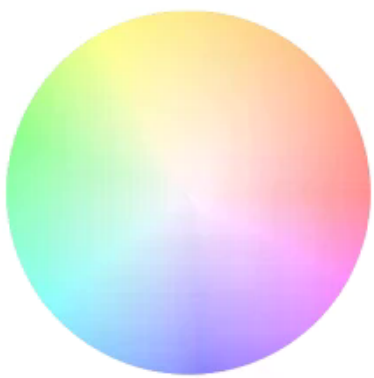
(Patent Pending)

Featuring a symmetrical arrangement of high-CRI and high-efficiency cores, paired with a multi-faceted optical lens system, the MCT UHE LEDs create a lighting system with multiple CRI options, color temperatures, and high luminous efficiency. It faithfully renders the true-to-life colors and fine details of outdoor environments, and provides adaptable lighting for complex and changeable outdoor conditions.





High-CRI LED
CRI ≥90



Conventional LED
CRI 70

*CRI (Color Rendering Index) is a value from 0 to 100 that measures the ability of a light source to accurately reveal the colors of objects.

Uninterrupted Runtime
Fueling Your All-Night Trail Running

It comes with a 1,500mAh rechargeable Li-ion battery pack. Paired with high-efficiency MCT UHE LEDs and an ultra-low power consumption circuit design, it delivers long-lasting illumination for up to 14.5 hours at 100 lumens.



14.5 Hours Runtime

*The all night refers to the 14 hours from 6:00 pm to 8:00 am.



Dual Power Options

HLB1500
Rechargeable Li-ion Battery Pack
(1,500mAh) Included

High Capacity, Long Runtime, Efficient Illumination

Compatible with
3 x AAA Alkaline Batteries

Low-Cost and Widely Available


800 Lumens + 168 Meters
Superior Brightness & Long Range
Lead Your Way
Perfect for quick pathfinding and short search tasks – effortlessly spot distant terrain and trail signs.

TrueVision+

Multi-Faceted Optical Dual-Lens System



Light Transmission >94%

- 603.4mm^2 Reflective Surface
- 44mm Light Emitting Surface
- Over 100° Flood Beam

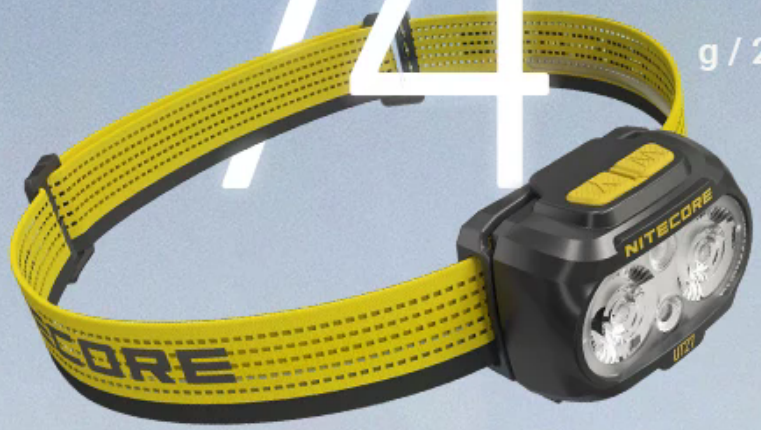
Born for Trail Running
Every Gram Matters

One gram lighter, one step ahead – conquer every trail with ease.

* The weight includes the bracket, headband, and battery pack.

74

g / 2.61 oz

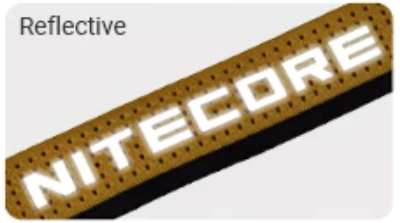






Lightweight & Breathable Headband Included

Fits snugly for comfortable and stable wearing











Included

Multipurpose Clip

Unlock More Possibilities

Flexible four-way mounting clip for versatile use





Dual Power Buttons

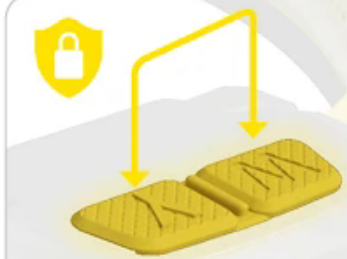
W Button

Controls the neutral white light and cool white light



Y Button

Controls the warm light



Lockout Mode 2s

Preventing accidental activation during transporting or storing

Power Indication

Intuitive display



Auxiliary Red Light



Effectively preserves night vision without attracting mosquitoes or bugs, ideal for emergency response, safety warning and more

Glow-in-the-dark Battery Compartment

(Invention Patent No. ZL202110998288.6)
(Utility Patent No. ZL202122056854.X)



Quick Installation at a Glance

The glow-in-the-dark design enables quick identification of the battery compartment in the dark, making battery replacement faster and easier.

Professional Inside and Out

Made from rugged, high-strength PC material with excellent resistance to abrasion, impacts, and low temperatures



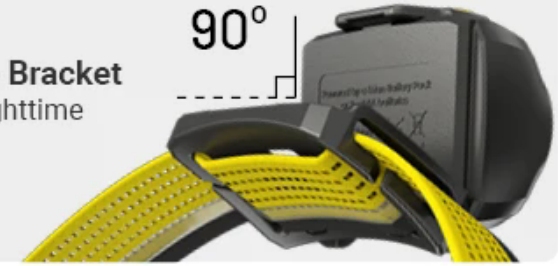
Internally Waterproof

• IP66 Rated • 1m Impact Resistance



Thoughtful Details

90° Adjustable Bracket
For Seamless Nighttime Illumination





180° Wide-Opening Battery Compartment
For Effortless Battery Replacement

Strengthened Bracket
For Stable and Durable Performance





Diffusing Stuff Sack Included

Be creative to turn the headlamp into a camping lantern or an ambient light, and store it when it is not in use.



NITECORE Advanced Headlamp

Powering the Wins of Pro Trail Runners



UT27 Specifications



Using the HLB1500 Li-ion Battery Pack:

FL1 STANDARD	Primary Light (Neutral White Light)	Primary Light (Cool White Light / Neutral White Light / Warm Light)			Auxiliary Red Light	
	TURBO	HIGH	MID	LOW	CONSTANT-ON	SLOW FLASHING
	800 Lumens	500 Lumens	280 Lumens	100 Lumens	10 Lumens	10 Lumens
	2h 30min	3h 30min	6h 30min	14h 30min	21h	42h
	168m	140m	104m	63m	7m	-
	7,124cd	4,958cd	2,696cd	994cd	12cd	-
	1m					
	IP66					

Note: The stated data is measured by using the NITECORE HLB1500 Rechargeable Li-ion Battery Pack (1,500mAh), in accordance with the international flashlight testing standards ANSI/PLATO FL 1-2019, at an ambient temperature of 26°C (79°F) from the NITECORE Lab. The data may vary in real world use due to different battery usage or environmental conditions.

*This product is equipped with a thermal protection function, which automatically regulates the output of the product according to the working condition to maintain the optimal performance.

Using 3 x AAA Batteries:

FL1 STANDARD	Primary Light (Neutral White Light)	Primary Light (Cool White Light / Neutral White Light / Warm Light)			Auxiliary Red Light	
	TURBO	HIGH	MID	LOW	CONSTANT-ON	SLOW FLASHING
	800 Lumens	500 Lumens	280 Lumens	100 Lumens	10 Lumens	10 Lumens
	2h	2h 30min	3h	8h 30min	15h	30h
	168m	140m	104m	63m	7m	-
	7,124cd	4,958cd	2,696cd	994cd	12cd	-
	1m					
	IP66					

Note: The stated data is measured by using 3 x AAA alkaline batteries, in accordance with the international flashlight testing standards ANSI/PLATO FL 1-2019, at an ambient temperature of 26°C (79°F) from the NITECORE Lab. The data may vary in real world use due to different battery usage or environmental conditions.

*This product is equipped with a thermal protection function, which automatically regulates the output of the product according to the working condition to maintain the optimal performance.

UT27 Features



- Utilizes two quad-core MCT (Multiple Color Temperatures) UHE LEDs
- Equipped with primary lights offering three color temperatures: 6,500K cool white light (CRI 73), 4,500K neutral white light (CRI 83), 3,000K warm light (CRI 97)
- Designed with auxiliary red lights that support constant-on lighting and slow flashing for warning
- Adopts an optical dual-lens system with various facets and the TrueVision+ technology to deliver a uniform and soft wide-range flood beam
- Max output of 800 lumens and max throw of 168 meters
- Includes a HLB1500 Rechargeable Li-ion Battery Pack (1,500mAh) with a built-in USB-C charging port. It is also compatible with 3 x AAA batteries
- Highly efficient constant current circuit provides a stable output of up to 14.5 hours
- Glow-in-the-dark battery compartment for easy battery replacement and location
- Dual switch design for easy access to various light sources and brightness levels
- Power indicators can indicate the remaining battery power
- Advanced Power Cut-Off (APC) technology for an ultra-low standby power consumption
- 90° adjustable tilt angle for various lighting needs
- Includes a specially designed lightweight, skin-friendly and breathable headband, and a diffusing stuff sack
- Made from durable PC materials
- Waterproof and dustproof rating in accordance with IP66
- Impact resistant to 1 meter





Package List



UT27



USB-C to USB-C Charging Cable



NITECORE HLB1500 (1,500mAh)



Diffusing Stuff Sack



Clip