



— PRODUCT DATA SHEET

H21R



H21R

PRODUCT DESCRIPTION

Brilliant performance under extreme conditions: The H21R is designed for extreme sports on land and water, as well as demanding work environments underground and at night. The powerful headlamp provides reliable illumination—and reveals obstacles when riding downhill on a mountain bike in the dark, guides your way on the boat in poor visibility or effortlessly illuminates vast tunnels and railway tracks. In spot mode, it can be used as a powerful signal on the water or in the air, while its homogeneous flood light allows you to discover the smallest details up close, such as a barnacle on the anchor of your boat or a minor technical malfunction affecting the engine of a train. To make sure you always have the best possible light, you can rely on the innovative Adaptive Light Beam for automatic dimming and focusing and thus hands-free use of your H21R. If you prefer manual control, the enhanced Digital Advanced Focus System is the way to go. By turning the digital focus ring, you can digitally switch from flood to spot to suit any range or task. You can also choose between red light to help you preserve your night vision, green light for wildlife observation and blue light to make liquids visible—while the optional red rear light and reflective headband offer additional visibility. The powerful battery also operates while charging, so you never run out of light on your adventures or a long shift—and is located at the back of your head for a balanced weight distribution. You can also easily mount the H21R on your helmet via the included mounting accessories and use the Ledlenser Connect App for remote control and personalization. When not in use, you can safely store and transport your headlamp in the exclusive hard-shell case. And: Our lights are made for a brighter future—therefore, your H21R contains recycled materials¹³.



- Ultimate performance with up to 9000 lm (boost), red, green and blue front light as well as optional red rear light
- Automatic (Adaptive Light Beam) and manual dimming and focusing (Digital Advanced Focus Function)
- Extremely powerful battery: Charges via USB-C and operates while charging
- Remote control and personalization via Ledlenser Connect App
- Exclusive hard-shell case for safe transport and storage

TECHNICAL DATA	
Weight incl. batteries [g]	530
Material	Aluminum alloy, PC
Headband color	Black/Gray
Headband material	Elastic textile
Headband type	Side Overhead
Head movement type	Stepless Movement
Head movement angle [°]	90
Headband specifications	Detachable, Elastic, Washable, Reflecting

POWER SUPPLY	
Battery quantity	1
Rechargeable	Yes
Battery type	Lithium-ion
Total battery voltage [V]	14.54
Total battery capacity [mAh]	3500
Total battery energy [Wh]	50.89 Wh
Battery replaceable	Yes
Charging time [min]	210
Energy status indicator	Battery Indicator, Charge Indicator, Low Battery Warning

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FURTHER SPECIFICATIONS

IP class	IP67
Drop test (drop height) [m]	1.5
Working temperature range [°C]	-20 to +40

LIGHT FUNCTIONS

Cool White Main: Boost, Power, Mid power, Low power

LIGHT SOURCE	MAIN
Amount LEDs	6
Color	Cool White
Color temperature [K]	6000 to 7500
Color rendering index (CRI)	70

LIGHT VALUES - Cool White Main

	Boost	Power	Mid power	Low power
Light output [lm]	10000	3500	900	40
Beam distance [m]	400	380	180	40
Run time [h]	-	3	8	90

SWITCH

Side Multifunctional switch, Top Switch

FEATURES AND TECHNOLOGIES

Backup Mode, Flicker Free, Blue Light, Red Light, Green Light, Bluetooth®, Stepless Dimming, Transportation Lock, Memory Function, Rear Light, Adaptive Light Beam, Digital Advanced Focus System, USB-C Charging, Multi-Lens Technology, Temperature Control System

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PACKAGING AND LOGISTICS

PACKAGING INFORMATION

Type of packaging	Box
Scope of delivery	Charging cable (USB-C), Extension cable, Case Type B, 1 set of rechargeable batteries (4x 18650), Universal outdoor helmet mount kit
Item No.	503229
MSRP price (€)	399
Customs tariff number	CTN_85131000

SINGLE PACKAGE

Dimensions W x H x D [cm]	14.5 x 21 x 8.5
Gross weight [g]	964
GTIN-13	4058205040020

EXPORT CARTON

Unit	12
Dimensions W x H x D [cm]	45 x 30.5 x 31.5
Gross weight [g]	12288
GTIN-13	4058205040013

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ACCESSORIES

PRODUCT CATEGORY	ITEM NO.	PRODUCT NAME	PRICE
Mounts & Brackets	502247	Tripod Adapter Type D	9.90 €
Mounts & Brackets	502314	Helmet Connecting Kit Type H	14.90 €
Mounts & Brackets	502313	Helmet Band Fixing Clip Type A	4.90 €
Mounts & Brackets	502256	Universal Mounting Bracket Type E	12.90 €
	502451	Transparent Silicone Headband Type A	9.90 €
Mounts & Brackets	502246	Adapter for GoPro Type D	7.90 €
Mounts & Brackets	502253	Belt Clip Type A	6.90 €

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PRODUCT SERIES

Reveal the world: With a Ledlenser H headlamp, what was once hidden comes into view. At work, details emerge that demand your attention, beauty appears where shadows once concealed it, and the adventure ahead becomes unmistakably clear. Because at Ledlenser, light is more than illumination, it's revelation.

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FOOTNOTES

The information pertaining to scope of delivery, appearance, performance, dimensions and weight corresponds to the information available at the time of publication. In the interest of product development, we reserve the right to change scope of delivery, appearance, design and color without prior notice. Product images may vary from the actual products and may show optional accessories which can be purchased separately. Errors and omissions excepted.

1) Measured values according to ANSI/PLATO FL 1 in the respective setting named. If no setting is specifically named, the luminous flux (lumens/lm) and range (meters/m) values refer to the brightest setting and the burn time (hours/h) values refer to the lowest setting. A boost function (if available) can be used several times, but is only

available for a short time at a time. In case the lamp is equipped with colored LED(s), the measured values are given with white light or the white LED. If the lamp has different energy modes, the "energy saving mode" is the basis for the measurement.

2) Calculated value of the capacity in watt-hours (Wh). This applies to the battery(ies) contained in the delivery condition of the respective item or, in the case of lamps with rechargeable battery, to the battery(ies) contained herein in a fully charged condition.

*) 7 year warranty only if registered, otherwise 2 years. Warranty conditions viewable at <https://ledlenser.com/en/infos-service/warranty/>