



— PRODUCT DATA SHEET

H21R



H21R



PRODUCT DESCRIPTION

Brilliant performance under extreme conditions, the H21R is designed for high-intensity sports on land and water, as well as demanding professional use where ultimate illumination is a necessity such as for railway maintenance or search and rescue missions. This powerful head torch delivers reliable illumination across a wide range of scenarios—whether revealing obstacles on a downhill mountain bike ride in the dark, guiding safe passage on a boat in poor visibility, or lighting up vast tunnels and railway tracks with ease. In spot mode, it can also serve as a powerful signal on water or in the air, while the homogeneous flood beam helps uncover the finest details up close, from barnacles on a boat anchor to minor technical faults on train machinery. To ensure optimal lighting at all times, the innovative Adaptive Light Beam automatically adjusts brightness and focus for seamless, hands-free operation. For those who prefer manual control, the enhanced Digital Advanced Focus System allows smooth switching from flood to spot beam by turning the digital focus ring, adapting effortlessly to any range or task. The H21R also offers red light to help preserve night vision, green light for wildlife observation and blue light to make liquids easier to spot, while the optional red rear light and reflective headband provide added visibility. Its powerful battery can also be used while charging, ensuring dependable performance throughout long shifts and extended adventures, while the rear-mounted battery pack delivers balanced weight distribution for greater comfort. The H21R can be securely mounted to a helmet using the included accessories, and the Ledlenser Connect App enables remote control and personalisation for added convenience. When not in use, the enclosed hard-shell case keeps the head torch safe and protected during storage and transport. Incorporating recycled materials and backed by a seven-year with registration warranty for complete peace of mind, the H21R is designed with a brighter future in mind for everyone.

- Ultimate performance with up to 10,000 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

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

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

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
Colour	Metallic Grey
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

RRP PRICING	RRP ex.VAT	RRP inc.VAT
STERLING	£358.29	£429.95
EURO	€357.68	€439.95

ACCESSORIES

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

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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.

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/>