

LEDsBIKE RACE 80 SET



Luminosity up to 80 Lux

The powerful LED technology provides wide illumination of up to 80 meters



Usage time up to 13 hours¹⁾

Ideal for long bike rides or commutes without having to worry about recharging



Automatic mode

The integrated brightness sensor automatically adjusts the light intensity to the ambient light



StVZO street legal

Approved according to German StVZO with K-Mark for on-road use



Your light, your ride, your safety!

Discover the LEDsBIKE RACE 80 SET, the new highlight for all cycling enthusiasts, which takes visibility and versatility to a new level. With multiple lighting modes—automatic and manual—and three brightness levels (100%, 50%, and 25% brightness), the front light adapts perfectly to any environment. It provides powerful illumination with 80 lux and a range of up to 80 meters. The display always informs you about the selected mode and the current light intensity. With a battery life of up to 13 hours¹⁾, it is ideal for long journeys or commutes without having to worry about recharging. The tool-free 360-degree mounting allows for quick and easy installation, making the LEDsBIKE RACE 80 SET an ideal companion for every cyclist. The included USB-C cable ensures convenient charging of the lithium-ion battery, while the battery and charging indicator keep you informed of the current status. The battery of the front and rear light can be fully charged within 2.5 hours. The high-quality construction, including a black ABS housing and transparent polycarbonate lens, promises durability and reliability. It complies with German road traffic regulations (StVZO) and has the K-marking. With IP44 certification, it is protected against water so that you are safe on the road even in bad weather. OSRAM offers a 2-year guarantee on all LEDsBIKE RACE bicycle lights²⁾.

Product datasheet

Technical data

Product information

Application (Category and Product specific)	LED Bike Lights
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General Product Information

Global order reference	LEDBL102 SET
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Electrical Data

Nominal voltage	3.7 V
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Photometric Data

Nominal luminous flux	110 lm
Light distance at 1lx	80 m
Light color LED	Cold white

Lifetime Data

Guarantee	2 years
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Additional product data

Type of Battery	Lithium Ion
Charging Type	USB-C
Setting	4 settings: eco (25%), low (50%), max (100%), auto
Usage time	Up to 13 h (front light): eco (25 %): 13 hours; low (50 %): 6.5 hours; max (100 %): 3.5 hoursUp to 13 h (rear light)

Capabilities

Technology	LED
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Certificates & standards

Type of protection	IP44
Standards	StVZO

Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of declaration	22-09-2024
Primary article identifier	4062172403856
Candidate list substance 1	No declarable substances contained

Product datasheet



Declaration no. in SCIP database	In work
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Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172403856	LEDsBIKE RACE 80 SET	HFB 1	115 mm x 55 mm x 165 mm	1.04 dm ³	223.00 g
4062172403863	LEDsBIKE RACE 80 SET	Shipping carton box 8	248 mm x 248 mm x 196 mm	12.05 dm ³	2084.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Download Data

File
 User instruction LEDsBIKE RACE 80 SET
 Product movie LEDsBIKE RACE 100 SET Product Trailer EN

Safety advice

For detailed application information, please refer to the product data sheet and the user instruction

Legal advice

1) Front light usage time varies depending on the brightness level: 25 %: 13 hours; 50 %: 6.5 hours; 100 %: 3.5 hours2) For precise conditions please refer to: www.osram.com/am-guarantee

Application advice

For more detailed application information and graphics please see product datasheet.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

OSRAM