HERRMANS

H-BLACK PRO E-BIKE 6-12V



HERRMANS® H-BLACK PRO E head light with the patent pending Projector Technology (P-Tech). Automotive technology transformed to the bicycle industry. The P-Tech feature offers extremely high optical efficiency and exact 100% guiding of light. Resulting in superior light output and a focused light beam with a sharp cut of line, which gives more light on the road. The light pattern is optimized for the rider - super wide, long and homogeneous light distribution. The light offers near field illumination and to be seen by other traffic the H-BLACK PRO E has additional LEDs for clear side visibility. H-BLACK PRO will run on any battery from 6V to 12V and is controlled by the e-bike system. Small and elegant contemporary alloy housing (CNC) provides both robustness and excellent cooling of the LED. Thanks to many assembly options the lights fit all types of bicycles. The H-BLACK PRO E fulfills a number of European road traffic regulations.

Not all products are available in all markets. During continuous improvement specifications and design are changing. All values are nominal values. Illustrations do not necessarily show the design of every version and some features are version specific.

TECHNICAL DATA

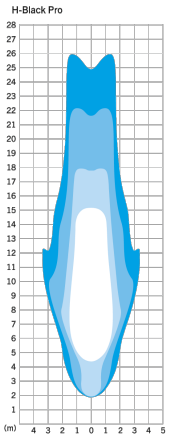
Operational Lumens Output	**230 lm**
Power Source	**E-bike**
Nominal Voltage DC	**6 - 12 V**
Power Consumption	**5 W**
Max Peak Current	**1000 mA**
Input connector type	**0,5 x 2,8mm cable shoes**
Number of LED's	**3**
Colour Temperature	**5700 K**
Optical System	**Projector**

Operating modes	**On**
Mounting Options	**Fork / Handlebar**
Housing	**Alloy**
Salt Spray Test	**ISO 9227 NSS 240H**
Type approval (light)	**Germany (StVZO)**
Type approval (reflector)	**E-IA, K**
EMC	**EN 15194**
Packaging Amount	**72 pce/box, Approx. 8,5 kg total.**

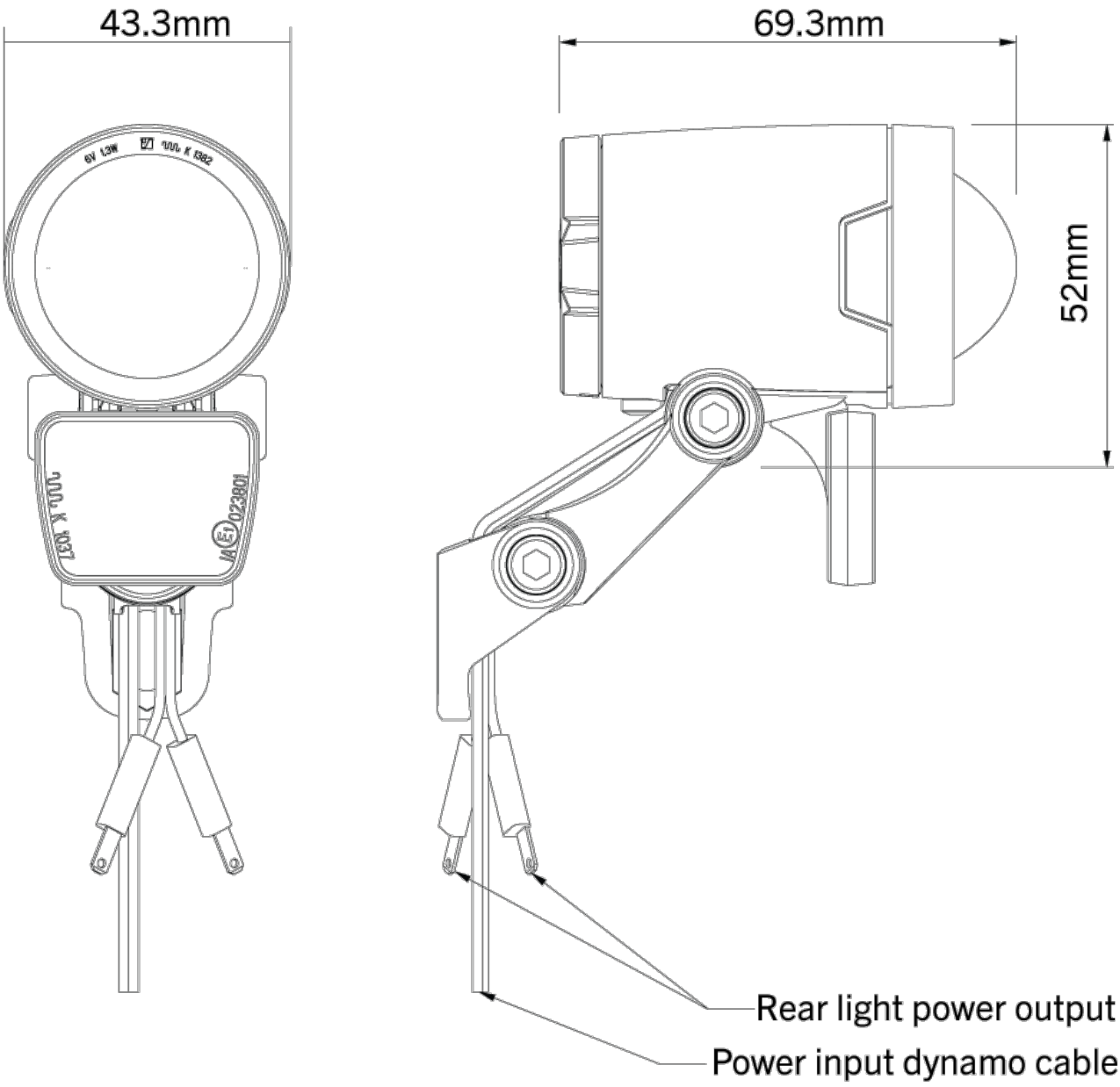
KEY FEATURES

- Patent pending projector technology
- Click-in EIA, K Front reflector included
- Optimized light pattern with sharp cut of line

LIGHT PATTERNS



DRAWINGS


43.3mm
69.3mm
52mm
Rear light power output
Power input dynamo cable

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ASSEMBLY OPTIONS



Multi-joint bracket



Stem bracket



Handlebar bracket



RockShox paragon



Stainless steel for suspension fork, steel and black



SR Suntour Ver1, fork bridge: CR8, NEX, NCX-E



SR Suntour Ver2, fork bridge: CR-9, NCX-D



SR Suntour Ver3, fork bridge: NCX mobie-E25, E45