

MADE IN



GERMANY



# NEW PRODUCTS & HIGHLIGHTS 2025

*busch+müller*



**NEW**

# Briq-XL<sup>®</sup>

**WITH DIGITAL CURVE LIGHT:  
A WORLD FIRST FOR E-BIKES**

# URNS THE STREET INTO A NIGHT-TIME STAGE

## THE NEW BRIQ-XL E-BIKE HEADLIGHT IS A REAL GAME CHANGER

With impressive lighting technology housed in an ingenious aluminium exterior, it casts an incomparably wide and homogeneous carpet of light onto the road. This adapts dynamically to the riding situation thanks to the integrated digital bend lighting.



Aluminium housing with design heat sink



Bluetooth with app connection

Indicator LEDs for high beam/  
curve light and Bluetooth

Bluetooth button



### DIGITAL CURVE LIGHT

The Briq-XL headlight revolutionises e-bikes with digital curve light. The curve light will react to the lean of the handlebar in a progressive sequence to provide a magnificent illumination of the bend while riding the curve. Simultaneously, the light on the far side of the curve will be lowered, maintaining a dipped beam to prevent the dazzle of oncoming traffic

### ALUMINIUM HOUSING

The Briq-XL has a large, high-quality and function designed aluminium housing. The perfect protection for the inner workings of the headlamp. Three light openings on each side ensure good lateral visibility. The style-defining design language of the Briq series gives every bike that special something, while the dynamically arranged cooling ribs also ensure sufficient cooling. The indicator LEDs for high beam and curve light as well as Bluetooth are integrated at the rear in the rider's field of vision.

### SMART LIGHTING TECHNOLOGY

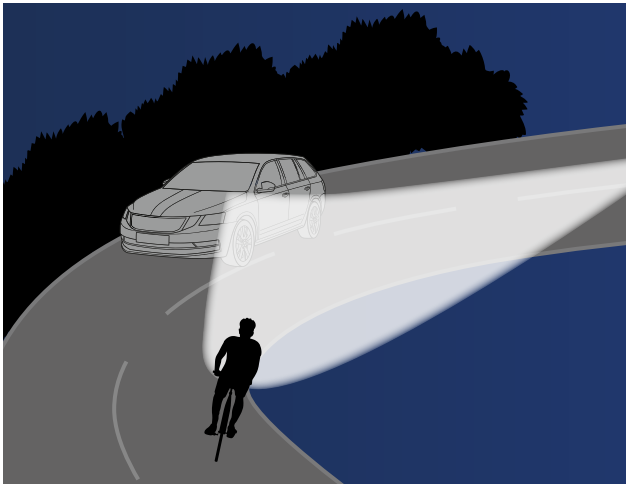
The Briq-XL headlight combines a broad reflector and its LED segments with smart control electronics. This not only enables a new dimension in bicycle lighting with a sharp cut-off line, but also high energy efficiency and durability. The high beam and four light modes can be controlled intuitively using the ergonomic handlebar switch.

### APP CONNECTION

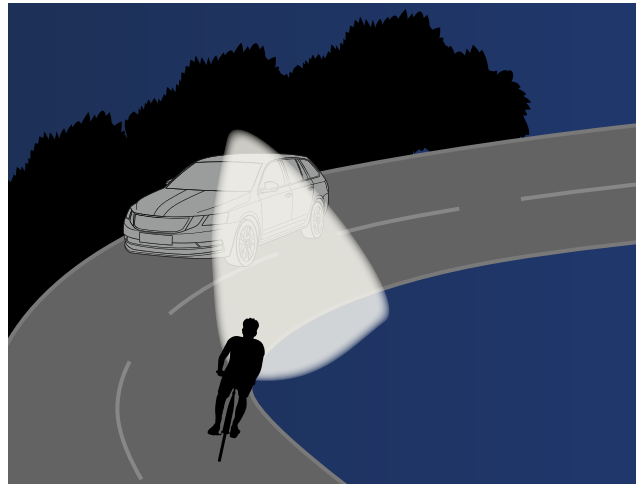
The Briq-XL headlight can be paired with the Busch+Müller app via Bluetooth to customise the light field. In addition to three pre-installed modes, City, Road and Offroad, features such as low beam/high beam transition, daytime running light, light width and distance can be customised under 'My mode'. Up to four modes (two per button) can be configured with the app on the Bluetooth handlebar button.



## DIGITAL CURVE LIGHT IN COMPARISON

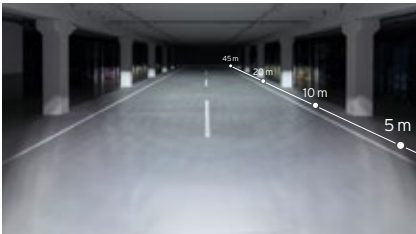


Briq-XL: Headlight with digital curve light



Headlight without curve light

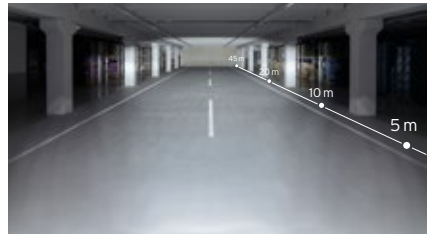
## MAGNIFICENT LIGHT OUTPUT THAT SETS NEW BENCHMARKS



Briq-XL Low beam



Briq-XL High beam wide



Briq-XL High beam far

### FACTS AND FIGURES

- Close-range illumination, active and clear
- 150-220 lux - almost everywhere in the range of the cut-off line
- 2,000-8,500 lumen
- Design daytime running light, controlled by light sensor
- Indication LEDs for high beam, curve light, Bluetooth
- Weight 320 g
- Waterproof to IP67
- 16-60 watt power consumption
- Dimensions L/W/H: 74/94/64 mm



**CURVE LIGHT**  
DIGITAL, FULLY AUTOMATIC  
AND SEQUENTIAL

UP TO  
**8.500 LUMENS**  
DAY-BRIGHT LIGHTING  
EXPERIENCE

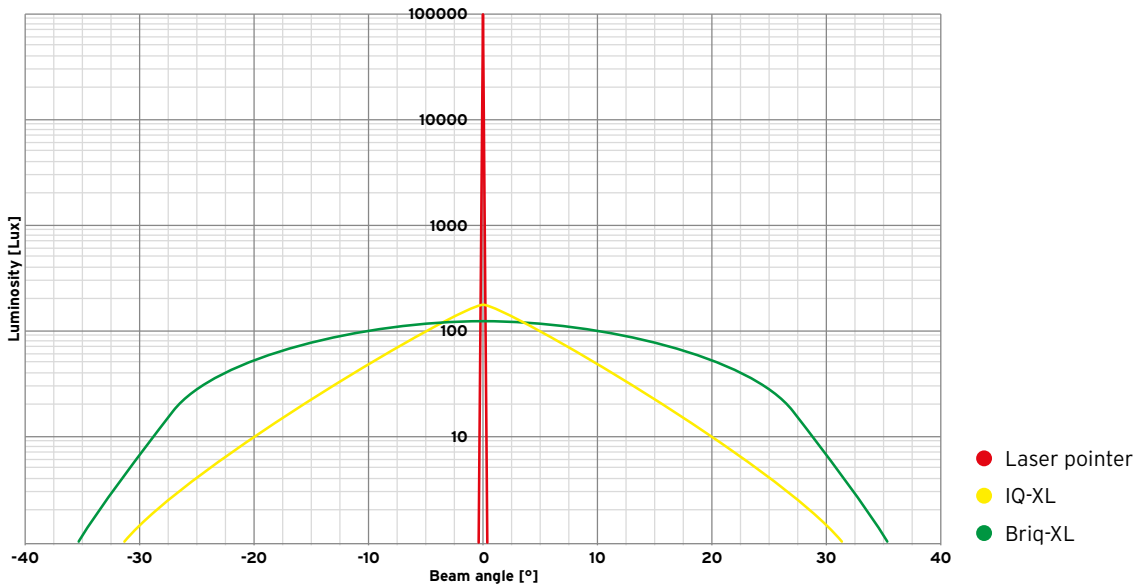
**APP  
CONNECTION**  
WIRELESS WITH BLUETOOTH



## LUX AND LUMEN

In addition to a high lux figure, uniformly bright light distribution is also important. A high lux figure in one place is not always meaningful. For example, a laser pointer has over 100,000 lux, but is unsuitable for cycling. The Briq-XL provides 150 lux, but not just at one point, but almost across the entire width along

the cut-off line. Depending on the available energy, it distributes 2,000-8,500 lumens on the road. This gives its light field this impressive quality and clearly tops the already good light field of the IQ-XL, which distributes 800-2,500 lumens.



## Briq<sup>®</sup>-S Premium

 110 LUX

### ADDED POWER FOR THE E-BIKE LIGHT WITH THE DISTINCTIVE SHAPE

The new stronger brother of the popular Briq-S stands out with its wide and extremely even illumination of the road. The premium version incorporates lighting technology that is significantly more powerful and efficient, hence the solid aluminium heat sink

- 110 lux
- Daytime running LEDs
- Clip-on front reflector
- Light/dark sensor
- 9-15 V direct voltage
- For all common drives, such as Bosch, Brose and Shimano
- Available with plug for BOSCH systems

**Availability: Dark season 2024/25**



Type 1532

Suitable for handlebar and fork mounting.

**NEW**



Suitable for under-handlebar mounting.

# IQ-XL Highbeam

☾ 300 LUX ☾ + 250 LUX

## THE BRIGHTEST HEADLIGHT WITH HIGH-BEAM FUNCTION

300 Lux in dipped beam mode. the extensive beam pattern is wide, long and homogenous, right up until its very precise light/dark boundary. A quick press of the handlebar button, and all boundaries vanish: an additional 250 lux lets the high beam shine even wider, higher and further.

- 300 lux + 250 lux high beam
- Extensive light field
- Daytime running light with automatic sensor
- Close-range illumination
- Standlight
- Safety lateral light distribution
- Aluminium housing
- StVZO-approved



E-Bike Version: Type 169  
Dynamo Version: Type 169TSDI



## E-BIKE VERSION

- For DC operation 11-48 V
- Pre-condition: the drive system can supply at least 16W nominal power at the device connection port
- Exclusively available for original equipment manufacturers: Models for fast e-bikes

New - also with matt black housing, type 169M

## DYNAMO VERSION

- Maximum low beam brightness from 25 km/h, high beam from 35 km/h
- High beam function available from 10 km/h
- Generates previously unrivalled levels of brightness with high beam

## LUGGAGE CARRIER REAR LIGHT

# Kite<sup>®</sup>

## SUPER SLIM WITH INNOVATIVE STRIP LIGHT TECHNOLOGY

This luggage rack rear light for e-bikes has a striking design and impressive visibility. The form harmonises in a wrap-around effect about the sides of the assembly position. For even more safety: in the version with BREX technology, the rear light also has a sensor-controlled brake light and emergency brake light function.

- Uniquely slim design
- Homogeneous, widely visible light strip
- Triangular lateral light emission
- Highly visible from the side
- Luggage rack mounting 50 mm
- For DC operation 5-15 V



Type 534022

## VERSION WITH BREX TECHNOLOGY

- With brake light and emergency brake light function
- For DC operation 6-48 V



Type 534022KSB

# Core 2

70 LUX

## THE NEW IXON CORE 2. MORE LIGHT, MORE SIGHT.

The successor to the popular IXON CORE cache battery-powered headlight rises head and shoulders above the benchmark with new lighting technology and dynamic design. Giving the beam-pattern a new dimension of quality, the exceptional long-distance illumination is unrivalled in this price class

- 70 Lux
- Excellent long-range illumination
- Close-range illumination
- Capacity indicator
- 3 light levels:
  - High-Power-Mode: 70 Lux (2.5 hrs)
  - Mid-Power-Mode: 35 Lux (6.5 hrs)
  - Low-Power-Mode: 15 Lux (18 hrs)
- Quick-charging function via USB-C
- Powerbank function
- Shatterproof glass
- Integrated lithium battery (replaceable)



Type 181

### Availability: Dark season 2024/2025



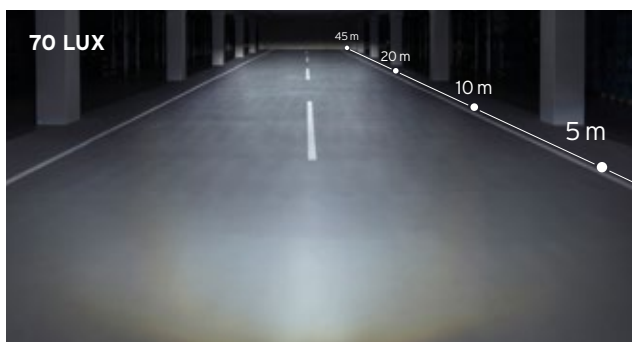
Bracket available for suspended mounting.



Included in delivery:  
Universal bracket up to  
35 mm handlebar diameter



### COMPARISON OF IXON CORE 2 WITH IXON CORE.



NEW: IXON Core 2



OLD: IXON Core

## AT LAST: INDICATORS FOR ALL BIKES ARE NOW PERMITTED

The new TURNTEC e-bike indicator noticeably increases comfort and, in particular, safety when riding. Hand signals are no longer required when turning or changing lanes and both hands can remain on the handlebars at all times. Reliability of the TURNTEC system is ensured, since any fault will be immediately shown on the switch module.

- Making turning easier
- Always two hands on the handlebars
- Four indicators: two at the front, two at the rear
- Failure detection if an indicator is defective or is not plugged in correctly
- Comfort flashing: tap = flash several times
- Press and hold: Flashes for 5 minutes or until pressed again
- Ergonomic switch module
- Adaptable cable loom (plug+play)
- Approved according to StVZO and UN regulations

## SIMPLE OPERATION WITH FUNCTION BUTTON

The button on the handlebars is operated intuitively with the thumb. A short tap activates the comfort function. The indicator then switches off automatically after flashing several times. If the button is pressed for longer, the indicator flashes for 5 minutes or until it is deactivated by pressing it again.

Rear indicator



Button on the handlebar

Front indicator



To the product on [bumm.de](http://bumm.de)







# Cycle Star® E

## APPROVED FOR FAST E-BIKES

The pentagonal shape not only makes the mirror a style icon, but also enables a particularly large mirror surface. As a result, a very wide mirror image is visible when looking in the rear-view mirror and the overall situation can be clearly recognised. E-approval mark for fast e-bikes. Also permitted for 25 km/h pedelecs and bicycles.

As a running change, the attachment of the ball joint on the rear will in future be made from one piece. This allows the connection to be tightened or loosened as required. The old two-part mounting can be replaced by the new mounting plate. To do this please ensure that the screws are tightened in the correct order 1-2-3.



# 312Z

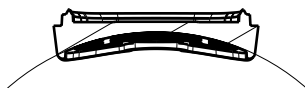
## REAR REFLECTOR FOR MUDGUARDS

The popular rear reflector with approval mark D (Z reflector) is now also available with a flat back for flat mudguards.

- New with flat back for flat mudguards (item no. 312ZB0)
- Rear with 30 mm (item no. 312Z30) or 43 mm (item no. 312Z43) radius, depending on the curvature of the mudguard
- Approval mark D, E
- Available in screw on or stick on versions
- For mounting with 15° inclination



Type 312Z



30 mm radius



43 mm radius



flat mudguard



# ECOLOGICAL SUSTAINABILITY IN PRACTICE AT BUSCH+MÜLLER

## NEW PV SYSTEM

The new photovoltaic system on the roof of the production halls is another building block for sustainability in practice. With the 330 modules, we produce green electricity directly on site.

## MADE IN



We take this seriously. Research and development, lighting and product design, production and final assembly, marketing and sales, warehousing and dispatch, service and administration - we do it all at our company headquarters in Meinerzhagen in the Sauerland region.



# VOCATIONAL TRAINING AT BUSCH+MÜLLER

To mark Apprenticeship Week, the Mayor of Meinerzhagen, Jan Nesselrath, and employment officer Britta Holthaus-Kleiner met with Busch+Müller Managing Director Guido Müller, Training Coordinator Florian Lange, former apprentice Johanna Jarms and current apprentice Ina Dörner on site at Busch+Müller.

During the discussion, it became clear that more and more women are working in so-called traditionally male professions. Busch+Müller is no exception: Of the current five trainees, three are female. Everyone agreed on the positive effects on the working atmosphere and results as well as the increase in innovative strength.



Apprenticeship week: Mayor Jan Nesselrath (2nd from left) and job placement officer Britta Holthaus-Kleiner (1st from right) on site at Busch+Müller.

## 3 FROM 5

APPRENTICES ARE FEMALE



# FRIENDLY THE SUSTAINABILITY CONCEPT FROM BUSCH+MÜLLER

