

LIGHT AND SIGHT FOR E-BIKES 2022

FOR SPECIALISED DEALERS



busch+müller

Made in
Germany

PROFESSIONAL LIGHTING EQUIPMENT FOR THE BOOMING E-BIKE MARKET.

This much is clear: the bicycle market of the future belongs to e-bikes. According to information from the German ZIV (Zweirad-Industrie-Verband), there are already more than 7 million e-bikes on German roads. And the sales figures are rising steadily. We at Busch + Müller have adapted to this growth market with our headlights and rear lights. In this leaflet, we present lighting products for e-bikes that are powered directly by the drive battery.

TWO E-BIKE TYPES.

E-BIKES (PEDELECS UP TO 25 KM/H)

This leaflet shows our standard range for exactly these e-bike types.

FAST E-BIKES (S-PEDELECS UP TO 45 KM/H)

It is not allowed to simply replace components for this vehicle category. Therefore, they are only available as spare parts directly from the e-bike manufacturer.

STANDARD HEADLIGHTS.

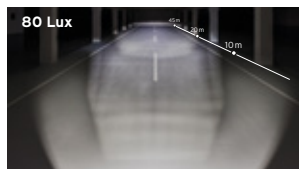
Road width 8 m



AVY



MYC



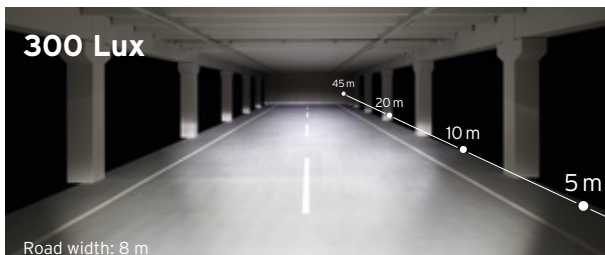
IQ-XS (friendly)



IQ-X

THE LATEST GENERATION. HIGH-BEAM HEADLIGHTS.

IQ-XL Low beam



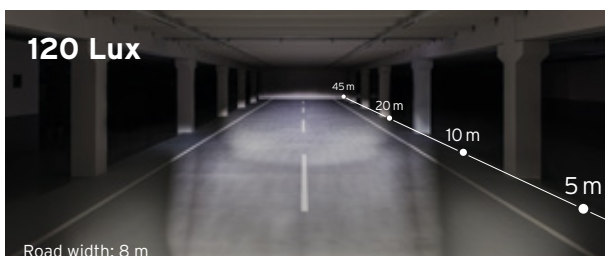
Road width: 8 m

High beam



Road width: 8 m

IQ-XM Low beam



Road width: 8 m

High beam



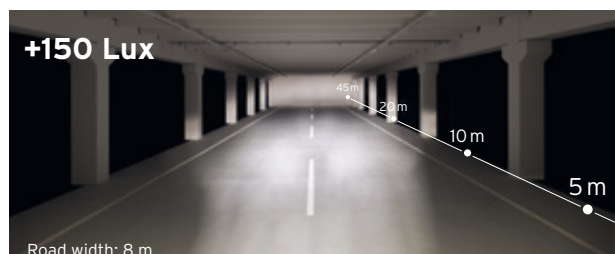
Road width: 8 m

IQ-XS HIGHBEAM Low beam



Road width: 8 m

High beam

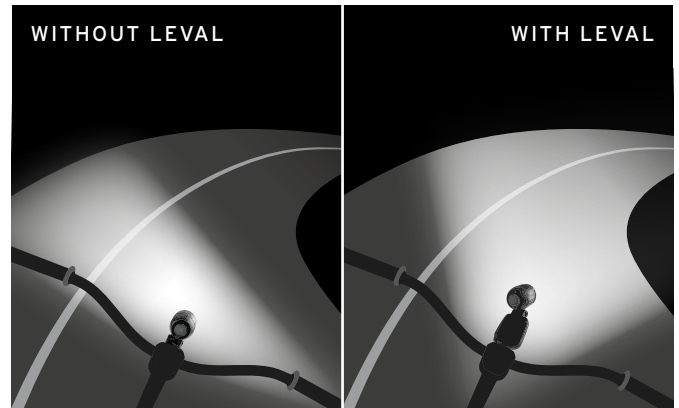


Road width: 8 m

LEVAL

NEW! THE NEW CURVE LIGHT ASSISTANT FOR E-BIKES.

Brightly illuminated curves for a comfortable and safe cycling experience. The curve light assistant is installed between the bracket and headlight and compatible with all e-bike headlights.



Type 365CLA



- | Electronically controlled and following any steering movement, the system always maintains the horizontal light/dark cut-off line
- | The light field does not tilt down to the left or right when leaning the bike into a curve
- | Septuplicate ball bearing
- | No adjustment required: attach, activate, and off you go
- | With on/off slide switch
- | For connection to e-bike batteries 6-15 V
- | If the adapter is prevented from functioning it is automatically deactivated for self-protection

NEW

IQ-XL GENUINE HIGH BEAM LIGHT FOR E-BIKES.

300 Lux in the low beam mode. With this product specification, the new IQ-XL from Busch + Müller exceeds all previously achieved lighting values by far. The large-area light field shines far ahead, widely, and homogeneously but, like any road-approved headlight, it has a precise cut-off line. Pressing the ergonomic handlebar switch surpasses all the limits: at 250 Lux, the high beam shines even wider and higher.

300 Lux | High-beam headlight | For DC voltage operation 11-48 V | 300 Lux standard operation | Pressing the handlebar switch activates 250 Lux high-beam | Required: at least 16 W nominal capacity at light connection of the drive system | Conforms to the latest German Road Traffic Regulations StVZO | Recommended retail price: €299



Type 169U65TS-01

IQ-XM THE HEADLIGHT WITH HIGH BEAM FUNCTION.

Like other high-performance headlights from Busch + Müller, the IQ-XM casts a wide, uniform field of light onto the road in the low beam mode. Pressing the handlebar switch activates the high beam which extends upwards beyond the cut-off line and into the distance for superior vision.

120 Lux | High-beam headlight | For DC voltage operation 9-48 V | 120 Lux standard operation | Pressing the handlebar switch activates 170 Lux high-beam | Required: at least 16 W nominal capacity at light connection of the drive system | Conforms to the latest German Road Traffic Regulations StVZO | Recommended retail price: €199



Type 168RU65-01

NEW

IQ-XS HIGHBEAM THE TOP SELLER WITH HIGH BEAM FUNCTION.

The modern LUMOTEC IQ-XS LED headlight from Busch + Müller is now even brighter than before and has also been equipped with a high beam. The wide, broad and very consistent low-beam light field at 100 lux provides the best vision from one metre in front of the bicycle up to a distance of 50 metres.

100 Lux | High-beam headlight | For DC voltage operation 9-48 V | 100 Lux standard operation | Pressing the handlebar switch activates 150 Lux high-beam | Required: at least 11 W nominal capacity at light connection of the drive system | Conforms to the latest German Road Traffic Regulations StVZO | Recommended retail price: €129



Type 167HRU65-01

IQ-X E HIGH-END HEADLIGHT FOR E-BIKES.

The headlamp provides a full 150 Lux and convinces with a very broad, wide and homogeneous large-area illumination of the road. An add-on feature is its elegant design made of high-quality aluminium.

150 Lux | For e-bikes 6-60 V DC voltage | Sensor-controlled daytime running light | Light at close range | Screw-on front reflector | Recommended retail price: €159.90



Type 164R60TS7-01

IQ-XS E SMALL. POWERFUL. BRIGHT. ALUMINIUM CASING.

The little cousin of the successful IQ-X makes a good impression with both its aluminium design and performance. The large-area light field with light at close range makes every ride in the dark a pleasure.

80 Lux | For E-Bikes 6-42 V DC voltage | Sensor-controlled daytime running light | Light at close range | Screw-on front reflector | Recommended retail price: €99.90



Type 167R42TS-01

**NEW**

IQ-XS friendly SMALL. BRIGHT. SUSTAINABLE.

The first headlamp with compostable housing. The sustainable offshoot of the well-known IQ-XS convinces with its powerful 80 Lux and a lavish range of features such as daytime LEDs, parking light and large-area light field with light at close range. It goes without saying that the headlight conforms to the latest German Road Traffic Regulations StVZO.

80 Lux | 100 % compostable plastic casing | For DC voltage operation 6-42 V | Large-area light field | Light at close range | Daytime running light | Recommended retail price: €79.90

Type 516711GR42TS-04



Type 150R42/6-04

MYC E THE DELICATE AND ROBUST BASE HEADLIGHT.

With their LUMOTEC Myc LED headlight, Busch + Müller present a new product in the upper entry-level class. The IQ lighting technology developed in the lighting laboratory of the traditional company in Meinerzhagen provides a good and uniform road illumination at 50 Lux, with excellent illumination of the area immediately in front of the bike.

50 Lux | For DC voltage operation 6-42 V | Light at close range | Connection to rear light (DC) | Lateral light emission | Plug-on front reflector | Recommended retail price: €59.90



Type 162R42/6-04

AVY E ALL YOU NEED FOR E-BIKES.

The slim headlamp version with genuine IQ technology. With 40 Lux and good, homogeneous illumination of the road, it is the ideal medium-sized headlight - technically absolutely up to date at a very good cost-performance ratio.

40 Lux | For DC voltage operation 6-42 V | Light at close range | Connection to rear light (DC) | Plug-on front reflector | Recommended retail price: €52.90



Type 151R42/6-04

DOPP E THE COMPACT BASIC MODEL.

Based on the successful Upp model, Busch + Müller have developed a new, powerful headlight especially for entry into the premium class. Thanks to its proven lens technology, the appealing LED headlight comes in a very small size and provides 35 Lux on the road - an exceptional performance for this price class and product size.

35 Lux | For DC voltage operation 6-42 V | Light at close range | Connection to rear light (DC) | Plug-on front reflector | Recommended retail price: €39.90



Type 166/42/6-04

UPP E SIMPLE. APPEALING. GOOD.

The design of the Upp E features stands out for its contours creating a harmonious overall appearance. As far as its performance is concerned, it is a robust 30 Lux headlight providing light at close range and lateral light emission for increased vision.

35 Lux | For DC voltage operation 6-42 V | Light at close range | Integral front reflector | Connection for rear light | Recommended retail price: €42.90

Type	Ref.	DC voltage range (V)	Power consumption (W)	Illumination intensity (Lux)	High beam with handlebar switch	Sensor-controlled day light	Rear light connection	Bosch Classic 6V	Bosch Active and Performance 6V	Bosch 12V	Brose 6V	Brose 12V	Shimano Steps 6V/1A	Shimano Steps 6V/2A	Shimano Steps 12V	Recommended retail price
IQ-XL	169U65	11 - 48	16	300/250	■	■				■		■			■	€299.00
IQ-XM	168RU65	9-48	16	120/170	■					■		■			■	€199.00
IQ-XS highbeam	167HRU65	9-48	11	100/150	■					■		■			■	€129.00
IQ-X E	164R60TS7-01	6-60	7.5	150		■		■	■	■	■	■		■	■	€159.90
IQ-XS E	167R42TS-01	6-42	3.4	80		■	■	■	■	■	■	■	■	■	■	€99.90
IQ-XS friendly	516711GR42TS-04	6-42	3.4	80		■	■	■	■	■	■	■	■	■	■	€79.90
Myc E	150R42/6-04	6-42	2.2	50			■	■	■	■	■	■	■	■	■	€59.90
Avy E	162R42/6-04	6-42	2.2	40			■	■	■	■	■	■	■	■	■	€52.90
Dopp E	151R42/6-04	6-42	2.2	35			■	■	■	■	■	■	■	■	■	€39.90
Upp E	166/42/6-04	6-42	2.2	35			■	■	■	■	■	■	■	■	■	€42.90



Type 332ALDC

μ E

THE SMALLEST, STREET-LEGAL REAR LIGHT.

μ [my:], pronounce mü. Minimalist and in a high-quality aluminium housing - to match the aluminium design headlamps. Despite its small format, it offers very good all-round vision.

- Voltage range: 5-15 V
- Aluminium housing, black or silver anodised
- Number of LEDs: 1
- Optional attachment to mudguard, strut or seat post

WORLD NOVELTY



Type 323KSB

LINE BREX E

THE REAR LIGHT WITH STOPLIGHT FUNCTION.

Even in normal operation, the light strip of the Line Brex E provides super bright lighting conditions. An integrated acceleration sensor detects every braking manoeuvre. In such cases, the rear light flashes up immediately and warns the traffic behind - a positive feature for added safety.

- Voltage range 5-15 V
- Number of LEDs: 2
- LineTec technology
- With integral acceleration sensor
- No cable connection to the brake required
- Rack attachment
- Conforms to latest German Road Traffic Regulations StVZO



Type 321ASDC

VIEW E

THE ELEGANT TOPLIGHT.

The View E ensures ideal lateral illumination thanks to the surrounding clear glass body and good visibility thanks to two super-bright LEDs. The effect: brightly shining light area perception even from a very long distance.

- Voltage range 5-15 V
- Number of LEDs: 2
- LineTec technology
- Rack attachment



Type 326ASDC

2C E

MINIMALIST DESIGN - BRILLANT FUNCTION.

In the dark, the two LEDs shine through C-shaped transparent glass swings on the left and right as bright bands of light.

- Voltage range 5-15 V
- Number of LEDs: 2
- LineTec technology
- Rack attachment



Type 333ALDC

SECUZED E

THE SMALLEST BICYCLE TAIL LIGHT WITH Z-REFLECTOR.

Thanks to the special arrangement of the LEDs, the rear light is easy to see even in difficult visibility conditions and offers the highest possible level of safety.

- Voltage range 5-15 V
- Integrated Z-reflector
- Optional mudguard, strut or seat post mounting



Type 331ASDC

SECULA E

COMPACT AND WITH SUPERIOR VISIBILITY.

With its elegant transparent glass optics, the LineTec prism system appears as a crest around the rear light. A red light circle shines radiantly bright.

- Voltage range 5-15 V
- Number of LEDs: 1
- LineTec technology
- Mudguard or strut attachment

Type	Ref.	DC voltage range (V)	Number of LEDs	Stoplight	LineTec function	Rack attachment	Mudguard attachment	Strut/seat post attachment	Mounting	Recommended retail price
μ E	332ALDC	5-15	1				■	■		€47.90
Line Brex E	323/5KSB	5-50	2	■	■	■			50	€49.90
View E	321ASDC	5-15	2		■	■			50/80	€15.90
2C E	326ASDC	5-15	2		■	■			50/80	€12.90
SECUZED E	333ALDC	5-15	10		■		■	■		€24.90
Secula E	331ASDC	5-15	1		■		■			€19.90
Secula E	331/2ASDC	5-15	1		■			■		€24.90

! Headlight must feature a rear light connection. Alternatively, direct connection to the vehicle battery (observe maximum voltage).

BICYCLE MIRROR CYCLE STAR E

Type 913/612

**BICYCLE MIRROR CYCLE STAR E**

Type 913/712

**BICYCLE MIRROR CYCLE STAR 80**

Type 903/7

**BICYCLE MIRROR CYCLE STAR 901**

Type 901

**BICYCLE MIRROR 913/801**

Type 913/801

**BICYCLE MIRROR 913/701**

Type 913/701



Type	Ref.	Aproval mark E	Circumferential soft component	Foldable	Internal handlebar attachment	Internal handlebar attachment rh.	Handlebar attachment	Recommended retail price
Cycle Star E	913/612VLGAE	■	■		■	■	■	€34.90
Cycle Star E	913/712VLGE	■	■	■		■		€31.90
Cycle Star 80	903/7			■		■		€26.90
Cycle Star	901				■	■	■	€17.90
Rückspiegel 913/801	913/801VLME	■				■		€23.90
	913/801VRME	■			■			€23.90
Rückspiegel 913/701	913/701VLME	■		■		■		€31.90

FACT SHEET**COMPONENTS FOR FAST E-BIKES WITH ECE APPROVAL (APPROVAL MARK E)**

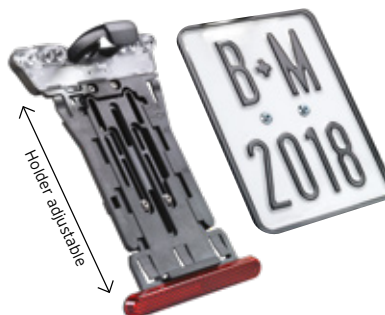
IQ-X E
Type 164/60E7
Handlebar bracket
Type 470LH



Horn/acoustic signal
Type 660

**NEW**

Horn/acoustic signal
Type 661




Licence plate bracket
with illumination, rear light, stoplight and reflector, Type 650



CYCLE STAR E
Type 913/712

It is not allowed to simply replace components for this vehicle category. Therefore, they are only available as spare parts directly from the e-bike manufacturer. **Are you a manufacturer of fast e-bikes?** Then ask for our special OEM brochure which contains a clear and detailed description of all components for this vehicle class.



www.bumm.de

BUSCH+MÜLLER KG

Auf dem Bamberg 1
58540 Meinerzhagen
Germany

Tel. +49 (0) 23 54-915-6000
Fax +49 (0) 23 54-915-7000

info@bumm.de
www.bumm.de

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