



LEAVE THE DARKNESS BEHIND

2026 / Aftermarket

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CATALOGUE

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**TAIL LIGHT
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About Litemove

Optics-driven, Mobility-focused

Co-founded by German and Taiwan industry experts, **LITEMOVE Technology** is committed to pioneering lighting innovation while building a sustainable Eco System that drives low-carbon transportation and smart mobility solutions worldwide.

LITEMOVE understands that every cyclist's journey demands more than just illumination – it requires clarity, confidence, and enhanced safety. By leveraging Taiwan's advanced tech expertise, LITEMOVE has crafted the Cycling Smart Lighting Eco System, designed to seamlessly integrate with the rider's needs. This innovative approach optimizes lighting for maximum efficiency, intelligence, and sustainability, ensuring cyclists experience unparalleled visibility in all conditions. Meeting the highest global cycling safety standards, LITEMOVE's lighting solutions don't just illuminate the road – they empower riders with a safer, smarter, and more connected cycling experience.

A Commitment to Safety & Sustainability

Light is more than visibility – it's the foundation of a safer, smarter ride. With "Illuminate the Path to Cycling" as its guiding vision, LITEMOVE delivers industry-leading optical solutions backed by European service excellence. From advanced lighting technology to tailored support, LITEMOVE ensures every rider benefits from precision, reliability, and cutting-edge safety. By setting new standards in global cycling illumination, LITEMOVE isn't just shaping how we see the road – it's redefining the experience of a connected, secure, and sustainable ride.

Main Products & Service

- E-bike lights: E/e Mark | K-Mark
- AUX lights for motorcycles: ECE / E9
- Reflectors
- Homologation support

Our Management Certifications
IATF-16949 | ISO9001 | QS9000 | ISO14001 |

We have a simple but clear mission: Innovation / Sustainability / Quality / Service

Our R&D facilities are equipped with the latest simulation software, photometer, and testing labs, enabling us to utilize the latest technology to optimize design for innovative and cost-efficient solutions.

We are always searching to improve our solutions and push the limits of what our products are capable of, whilst remaining a sustainable.

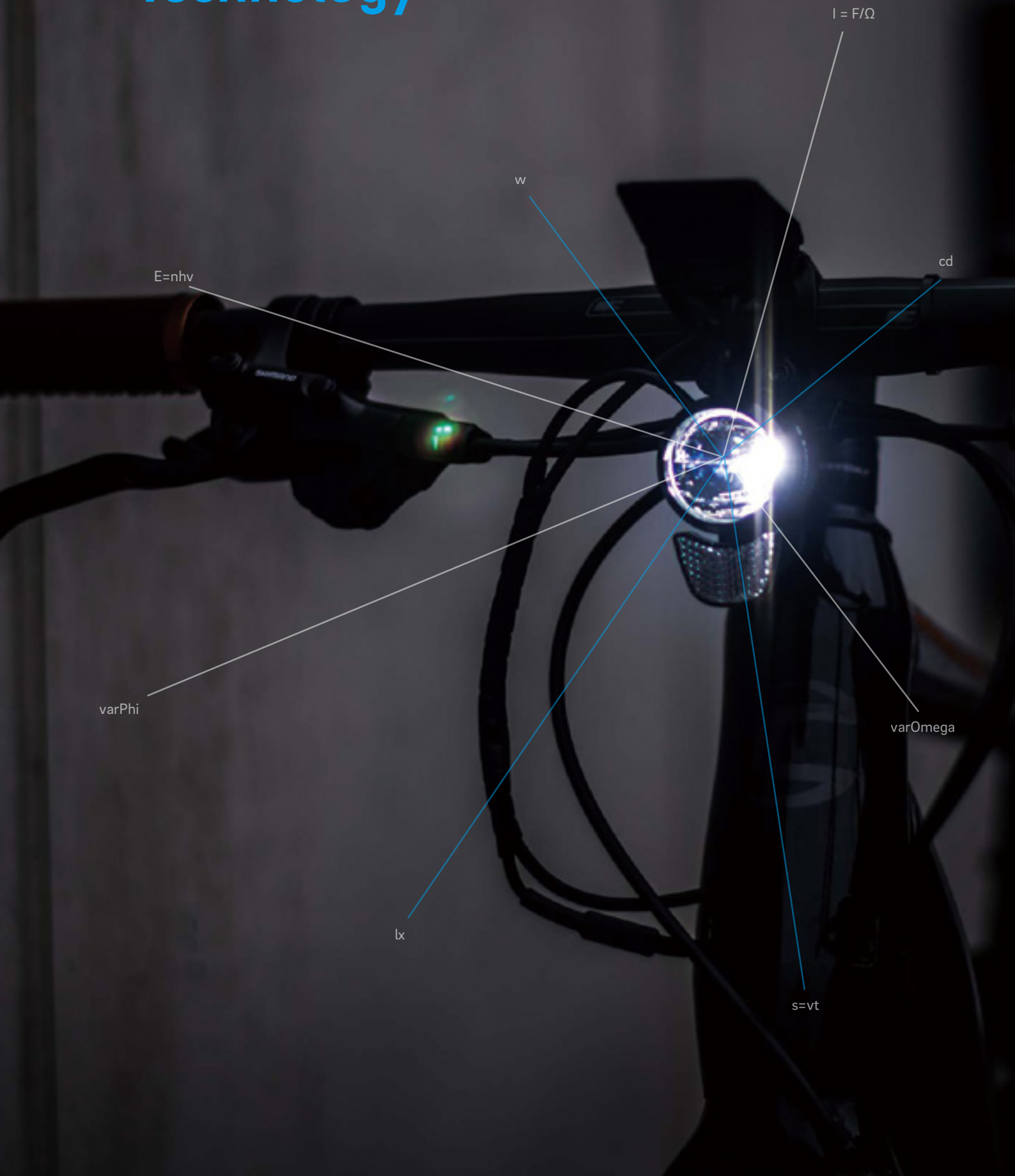
We recognize that quality is crucial for our products- Right from the start of the design stage, we work closely with our quality control department, analyzing each process closely to ensure that quality is built into every stage of the manufacturing process.

Our customers always expect a quick response- So we have service centers in both Europe & Asia, that allow us to provide quick and professional services to our partners.

Our Prizes



Optical Technology



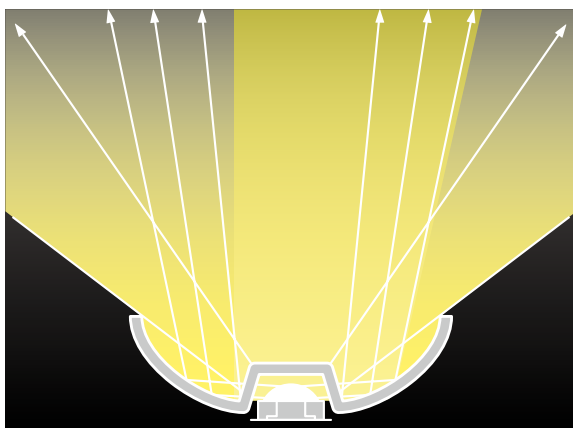
Litemove continues on developing innovative headlights and tail lights for electric bicycles. Optical performance is a crucial factor in our lighting design.

We provide extravagant lighting for the importance of safety while riding in any dark environments.

ATIR Series

ATIR

Next-Generation Illumination with ATIR Technology. We redefine lighting performance with **ATIR (Advanced Total Internal Reflection)** technology, an innovation inspired by automotive-grade optics. This compound lens system merges the precision of a reflector with the efficiency of a lens, ensuring maximum beam shaping and enhanced visibility for cyclists worldwide.



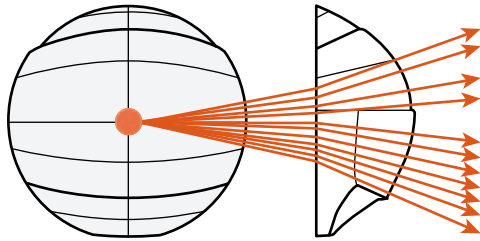
Optical Excellence for Superior Performance

The foundation of ATIR technology lies in its high-quality optical materials, which enable:

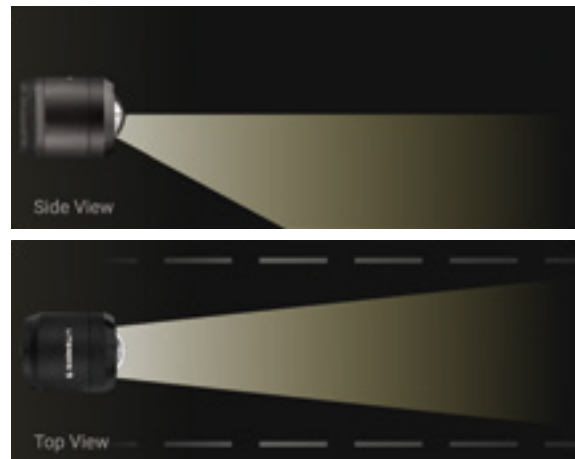
- ✓ Wider illumination for expansive road coverage.
- ✓ High lumens & lux for exceptional brightness.
- ✓ Uniform lighting distribution to eliminate glare and dark spots.
- ✓ Compact design for seamless integration into modern cycling systems
- ✓ Enhanced weather resistance for reliable performance in all conditions
- ✓ Extended product lifecycle, delivering long-term durability and sustainability
- ✓ Reduced light decay, ensuring lasting brightness and stability
- ✓ High-transparency glass & specialized coatings that maximize light transmission efficiency, minimizing absorption and scattering for superior performance.

By harnessing advanced optical materials and engineering, we ensure that every ride is safer, smarter, and more efficient. This isn't just illumination – it's cutting-edge cycling technology, powered by precision optics.

MTi Series



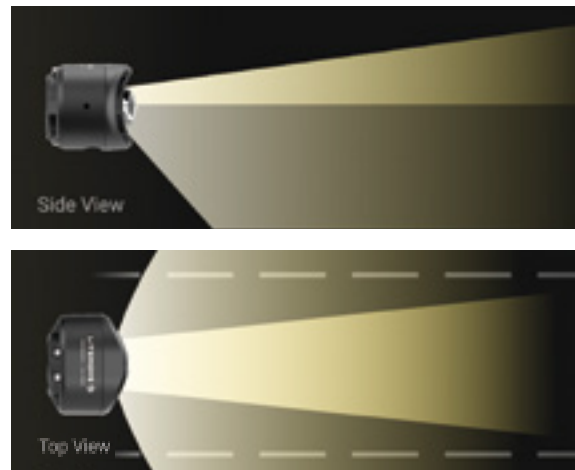
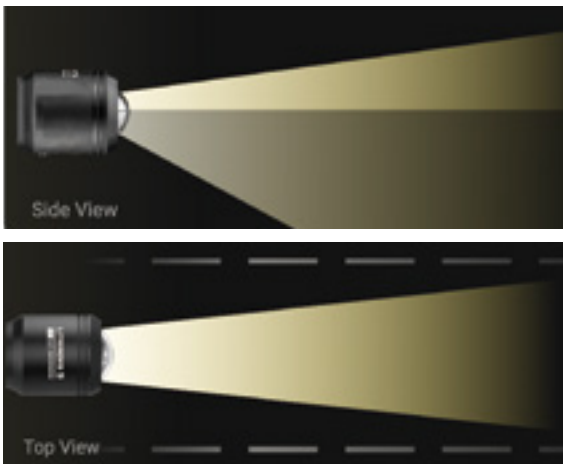
Taking its lead from car headlight technology, MTi (Multi-beam integration) lens uses a highly efficient aspheric lens, designed to offer a complex distribution of multi-beam pattern.



MTi

The aspheric lens is produced with precise plastic moulding, polishing single-point diamond turning, and injection moulding.

As a result, it minimizes the loss of light performance and provides great light exposure for maximum safety for our riders at any time of the day.



MTi^{PLUS}

The MTi Plus gives users more visibility while providing dual light (high-beam) options.

The high-beam features brighter exposure that helps your ride on high speed paths with no lights, rural areas, trails, etc., as well as signalling incoming drivers or cyclists.

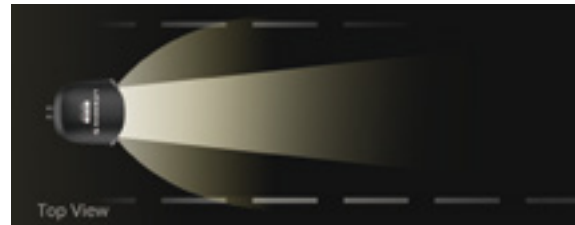
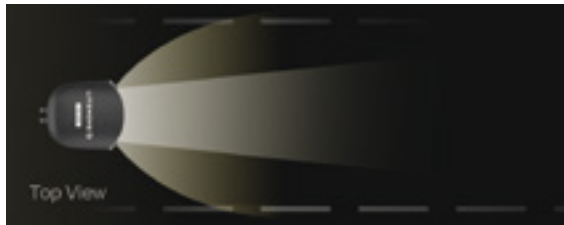
MTi^{PRO}

The MTi Pro provides better illumination and wider beam distribution for additional value in a headlight.

The dual light (high & low-beam) option is also included to provide advanced and incredible visibility for safety. These features give users the best riding experience while letting them feel responsive in wide and bright visibility in any environment, especially at night.

Best for: high speed paths with no lights, rural areas, mountain, unsurfaced, narrow road trails, etc.

RX Series



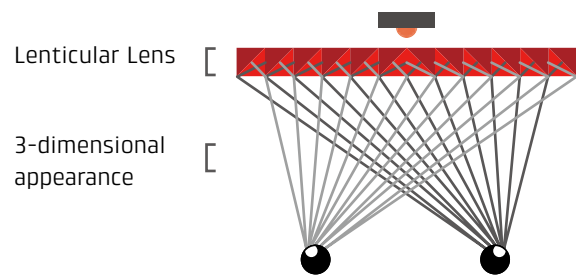
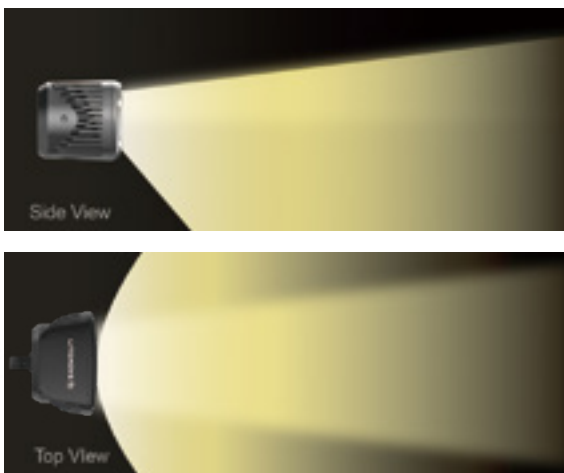
RX

The RX reflector is our redefined design of optical technology. It uses a mirrored surface to project a wider angle of LED lighting at a great distance for precise visibility for riders to experience, especially in the city or suburban road in both daytime and nighttime.

RX^{PLUS}

The RX Plus includes a dual light (high & low-beam) function for enhanced visibility for users to use. This feature provides a wide angle of consistent lighting, while providing a great distance of beam distribution. Best used for paths in the city and suburban roads in both daytime and nighttime. Its high-beam function enhances cyclists' awareness with their surroundings, as well as a signal to other road users.

LTi Series



RX^{PRO}

RX Pro is advanced technology designed specifically for off-road use, with a large and refined beam distribution. Even in harsh nighttime conditions, it provides users with a great experience. Whether riding on rugged mountain trails or traveling through forests, RX Pro ensures optimal lighting effects, improves safety and clarity of vision, allowing mountain biker to face various challenges with confidence.

LTi[®]

Similar to an auto car's tail light, LTi (lenticular) lens creates safety and visibility for cyclists from the back.

The lens provides a 3-dimensional appearance and beam patterns, creating a distinctive look that can be seen and noticed from various angles.



Auxiliary trigger connector allows the high beam switch easily routed inside of handlebar. Reduces the complexity of bicycle assembly and lowers the associated costs while simplifying follow-up maintenance.



Easy power connector- is an adding function for the light easily and quickly connected to motor system with FE cable solution. Reduce unnecessary redundancy complicated and inaccessible wiring can cause difficulties for mechanics.



Automatic emergency brake light is a feature that can sense slow or stopped traffic ahead and urgently apply the brakes if the driver fails to respond. Warns the rider/ driver of a hard braking event in front, even when the driver's view is obstructed by other vehicles or bad weather conditions. In addition, it enables a vehicle to broadcast a self-generated emergency brake event to surrounding vehicles.



Lumen Measurement

Lumens (lm) are the units of luminous flux, which describe the total amount of visible light emitted by a light source. Lighting products use "lumens" to denote brightness, abbreviated as "lm." The higher the lumens, the brighter the light source.



is important for visibility and safety, as side illumination helps cyclists be seen by vehicles and pedestrians at intersections or when crossing roads



Aluminum material



Thermal conductive material for better heat flow



Electrically Power Assisted Cycle (EPAC)- 25km



Speed Pedelec- 45km



Lux is a unit of measurement for illuminance. Here, it refers to the brightness of the beam at a distance of 10 meters



Automatic light sensor-is to sense the amount of ambient light present and auto adjust the light output. The function of ALS distinguishes whether your bike is approaching a tunnel or dark area, auto adjust the brightness. It also saves battery consumption.



Dual-light function:
High & low-beam



Input voltage range. Before plug-in, please check the input voltage range indicated on your product to ensure it matches the product range.



Millicandelas (mcd) are a unit of luminous intensity used to measure the brightness of a light



Complies with EU/ECE Regulations



Ingress Protection rating that classifies the degrees of protection



Common types of USB connector.



a feature that allows the light to remember the last used brightness or mode when turned off.



operate for a maximum of the hours on a single full charge



Complies with German Road Traffic Licensing Regulations

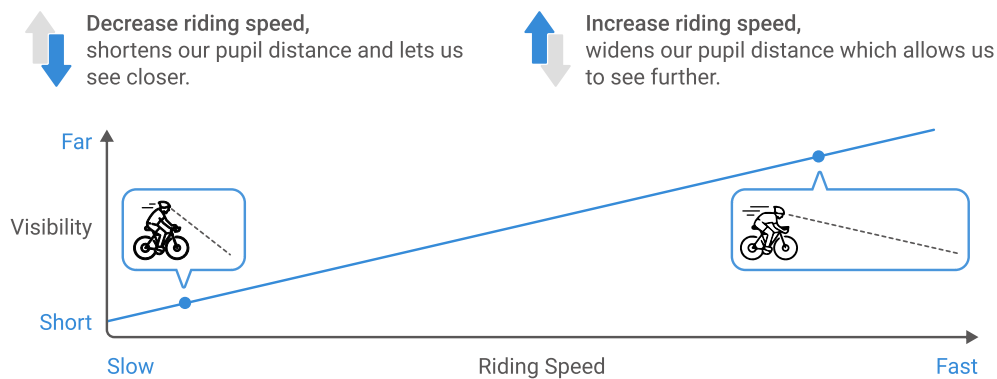
Optical Safety Ideology



We care about your safety. Whether it's the environment or the speed of our ride, it all affects our vision. Having a basic understanding may let riders choose the most fitting headlight for their trails.

Speed Will Affect Our Vision

Our pupil distance (visibility) shifts according to how fast or slow we ride on the trail.



Lights On All-Time Decrease Accidents

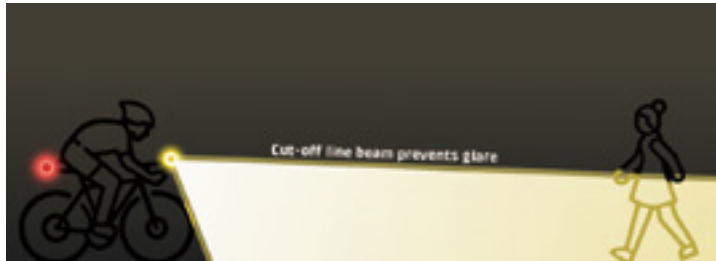
Having both headlights & tail lights on e-bikes boost cyclists' visibility and safety from incoming passengers at all time.



Decrease in accidents
with lights on at all times

Importance of Having Proper Lights on

Lights designed with cut-off line and proper brightness, prevents blinding or collisions with other users.



Suggested Lights to Use in Certain Scenario

Standard Beam



Standard beam (low-beam) with wide beam angles are appropriate for unsurfaced narrow roads.

Wide Beam Angle



Dual light options (high & low-beam) with wide beam angle is recommended using on mountain trails for precise visibility and safety.

Far Distane Beam



Dual light optoins (high & low-beam) with far distane beam is vital on highways and urban roads.

Standard Beam



Standard beam (low-beam) is ideal for riding in the city, while preventing incoming users with excessive glare.



52.520 13.380 821

51.980 1.120 150

Headlight Solutions

For Electrically Power Assisted Cycles

49.000 8.400 569

51.230 7.600 811

48.900 9.190 316

E-Bike Headlight Overview

	RXW-2900	AEW-230	AC-210	AC-150	ACN-1200	SC-160	SCN-1700	SEC-150
Brightness	140/200 Lux 1665/2900 lm	170 / 230 Lux	140 / 210 Lux	90 / 150 Lux	990 / 1200 Lumens	160 Lux 600 Lumens	1700 Lumens	150 Lux
Beam Type	Low / High (Wide)	Low / High (Wide)	Low / High	Low / High	Low / High	Low (Wide)	Low (Wide)	Low
Beam Width @5M	10m / 10m	10m	5.5m / 6m	4m / 4.5m	5m / 5m	7.5m	9m	5.5m
Beam Width @10M	11m / 11m	10m	10m / 10.5m	7m / 8m	8m / 9m	12m	12m	10m
Visibility Distance	280m	300m	300m	230m	230m	250m	230m	250m
Power Source								
E-bike System: 12V	●	●	●	●	●	●	●	●
E-bike System: 6V				●				
Environment								
Daytime/ Sunrise	●	●	●	●	●	●	●	●
Nighttime/ Sunset	●	●	●	●	●	●	●	●
Fog/ Rain/ Snow						●	●	●
Rider Scenario								
City/ Urban Area			●	●	●	●	●	●
Rural Area	●	●	●	●	●	●	●	●
Mountain Trails	●	●						
Legal Requirement								
K-mark	●	●	●	●		●		●
E-mark								

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RXW-2900

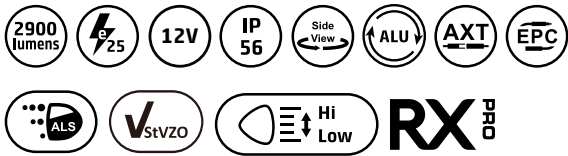


2900 Lumens For demanding mountain bikers



Light model: RXW2900
Cable Length: 1400mm
Control Switch : 300mm + Switch bracket / mount: Ø 22.2mm
Mount: Handlebar mount (PHB31850)
Mount size: Ø31.8 & 35mm
Waterproof connector (ct22)
SKU No. RXW29001

- The RXW-2900 is the brightest e-bike front light designed for off-road use, and it's StVZO certified.
- With its refined beam distribution, the RXW-2900 offers secured illumination while riding.
- Equipped with 12 powerful LEDs, it boasts a high beam of up to 2,900 lumens. The built-in auto light sensor automatically switches between daylight and low beam modes for optimal visibility.
- Engineered for performance, the RXW-2900 features an aluminum construction along with advanced thermal technology and high-grade electronic production facilities.
- This ensures outstanding heat dissipation and a longer lifespan, so the light output remains consistently high throughout the entirety of its runtime.



Specification

Model name	RXW-2900
Model no.	RXW2900
S/N	0025
Light output	High beam: 200 Lux/ 2900 Lumens (28W) 170 Lux/ 2425 Lumens (22W) 140 Lux/ 1970 Lumens (17W) Low beam: 140 Lux/ 1665 Lumens Day Light: 60 Lux/ 650 Lumens
Optical technology	RX Pro
Light source	LED *12
Input voltage (DC)	12V (11V - 16V)
Power consumption	High beam : 28W / 22W / 17W Low beam : 13.5W Day Light: 5.5W
Cable diameter	Power: Ø 4mm Switch : Ø 2.55mm
Cable length	Power: 1400mm Switch: 300mm
IP rating	IP56
Operating temperature (°C)	-25~+50
Material	Aluminum
Weight (w/o cable)	155g
Dimension (WXHXL)	83 x 50.8 x 52 mm
Switch bracket / mount	Ø 22.2mm
Reflector (optional)	N/A
Compliance	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742
Approval number	- K 2509

AEW-230

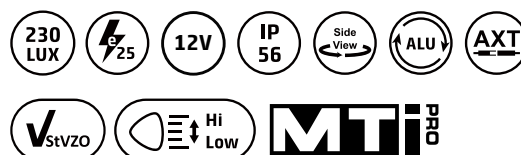


Performance Wide Beam Distribution



Light model: HKAEW230
 Cable Length: 1400mm
 Control Switch : 300mm+ Switch bracket /
 mount : Ø 22.2mm
 Mount: Handlebar mount (PHB31850)
 Mount size: Ø31.8 & 35mm
 Waterproof connector (ct22)
 SKU No. AEW2302

- 230 lux/ 950 lumen highly efficient LED light, with cut-off line beam preventing oncoming eyes from glare
- Up to 10m wide and up to 300m distance of beam visibility ahead
- 2-piece control switch for high-beam function
- Aluminum Pre Casting & CNC housing
- For 25km e-bike / EPAC
- K-Mark & EN-15194-CE compliance



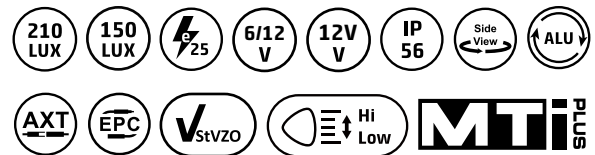
Specification

Model name	AEW-230
Model no.	HKAEW230
S/N	E10
Light output	High beam: 230 lux / 950 lumens Low beam: 170 lux / 550 lumens
Optical technology	MTi Pro
Light source	LED *4
Input voltage (DC)	12V (9V - 16V)
Power consumption	High beam: 15W max. Low beam : 7.3W
Cable diameter	Power: Ø 4mm Switch : Ø 2.55mm
Cable length	Power: 1400mm Switch: 300mm
IP rating	IP56
Operating temperature (°C)	-25~+70
Material	Aluminum
Weight (w/o cable)	165g
Dimension (WXHXL)	63.1 x 49.9 x 52 mm
Switch bracket / mount	Ø 22.2mm
Reflector (optional)	RFD
Compliance	CE / RoHS / REACH / Prop 65
Type of approval	StVZO-K / ISO 6742
Approval number	- K 1973

AC-210 / AC-150



- Use MTi Plus system, which includes dual-beam option (high/low-beam)
- 2-piece control switch for high-beam function
- Multiple mounting options in one housing: fork, stem, or handlebar
- IP56- Protects against high pressure water or dust ingress
- Aluminum housing
- For 25km e-bike / EPAC
- K-Mark & ISO 6742 compliance



Light model: AC210D
Holder: Down
Cable Length: 1400mm
Control Switch : 650mm+ Switch bracket /mount: Ø 22.2mm
Mount: Not included
Waterproof connector (ct22)
SKU No. AC2101



Light model: AC210U
Holder: Up
Cable Length: 1400mm
Control Switch : 300mm+ Switch bracket /mount: Ø 22.2mm
Mount: Not included
Waterproof connector (ct22)
SKU No. AC2102



Light model: AC210S
Holder: Side
Cable Length: 1400mm
Control Switch : 300mm+ Switch bracket /mount: Ø 22.2mm
Mount: Handlebar mount (PHB31850)
Mount size: Ø31.8 & 35mm
Waterproof connector (ct22)
SKU No. AC2103

Light model: AC210D
Holder: Down
Cable Length: 150mm+CT1 power connector
Control Switch : 650mm+ Switch bracket /mount: Ø 22.2mm
Mount: Not included
SKU No. AC2104

Light model: AC210S
Holder: Side
Cable Length: 150mm+CT1 power connector
Control Switch : 300mm+ Switch bracket /mount: Ø 22.2mm
Mount: Handlebar mount (PHB31850)
Mount size: Ø31.8 & 35mm
SKU No. AC2105

Light model: AC150D
Holder: Down
Cable Length: 1400mm
Control Switch : 650mm+ Switch bracket /mount: Ø 22.2mm
Mount: Not included
Waterproof connector (ct22)
SKU No. AC1501

Light model: AC150U
Holder: Up
Cable Length: 1400mm
Control Switch : 300mm+ Switch bracket /mount: Ø 22.2mm
Mount: Not included
Waterproof connector (ct22)
SKU No. AC1502

Light model: AC150S
Holder: Side
Cable Length: 1400mm
Control Switch : 300mm+ Switch bracket /mount: Ø 22.2mm
Mount: Handlebar mount (PHB31850)
Mount size: Ø31.8 & 35mm
Waterproof connector (ct22)
SKU No. AC1503

Light model: ACN1200D
Holder: Down
Cable Length: 1400mm
Control Switch : 650mm+ Switch bracket /mount: Ø 22.2mm
Mount: Not included
Waterproof connector (ct22)
SKU No. ACN12001

Light model: ACN1200U
Holder: Up
Cable Length: 1400mm
Control Switch : 300mm+ Switch bracket /mount: Ø 22.2mm
Mount: Not included
Waterproof connector (ct22)
SKU No. ACN12002

Light model: ACN1200S
Holder: Side
Cable Length: 1400mm
Control Switch : 300mm+ Switch bracket /mount: Ø 22.2mm
Mount: Handlebar mount (PHB31850)
Mount size: Ø31.8 & 35mm
Waterproof connector (ct22)
SKU No. ACN12003

ACN-1200

- The ACN-1200 is a powerful e-bike light delivering 1200 lumens of output with a high/low beam function to adapt to changing conditions.
- Utilizing our second-generation MTi Plus optical technology, the ACN-1200 is engineered with a specially refined beam pattern that provides optimal illumination for high-speed riding over varied terrain.
- The durable aluminum construction, combined with efficient cooling technology, ensures the light can withstand the elements while maintaining consistent, long-lasting performance.



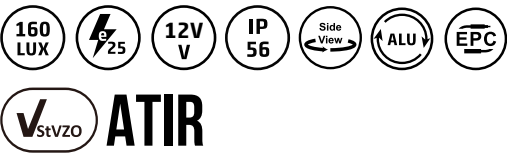
Specification

Model name	AC-210	AC-150	ACN-1200
Model no.	AC210D / AC210S / AC210U	AC150D / AC150S / AC150U	ACN1200D / ACN1200S / ACN1200U
S/N	10015	0023	0032
Light output	High beam : 210 lux / 700 lumens Low beam : 140 lux / 460 lumens	High beam : 150 lux / 600 lumens Low beam : 90 lux / 380 lumens	High beam : 155 lux / 1200 lumens Low beam : 130 lux / 990 lumens
Optical technology	MTi Plus	MTi Plus	MTi Plus
Light source	LED *6	LED *4	LED *12
Input voltage (DC)	12V (11V - 16V)	12V (6V - 16V)	12V (11V - 16V)
Power consumption	High beam: 16W max. Low beam : 10W	High beam: 13W max. Low beam : 6W	High beam: 18W max. Low beam : 11W
Cable diameter	Power: Ø 4mm Switch : Ø 2.55mm	Power: Ø 4mm Switch : Ø 2.55mm	Power: Ø 4mm Switch : Ø 2.55mm
Cable length	Power: 1400mm Switch: 300mm / 650mm	Power: 1400mm Switch: 300mm / 650mm	Power: 1400mm Switch: 300mm / 650mm
IP rating	IP56	IP56	IP56
Operating temperature (°C)	-25~+50	-25~+50	-25~+50
Material	Aluminum	Aluminum	Aluminum
Weight (w/o cable)	128g	128g	128g
Dimension (WXHXL)	Ø 46 x 52 mm	Ø 46 x 52 mm	Ø 46 x 52 mm
Switch bracket / mount	Ø 22.2mm	Ø 22.2mm	Ø 22.2mm
Reflector (optional)	RF1 / RFD	RF1 / RFD	RF1 / RFD
Compliance	CE / RoHS / REACH	CE / RoHS / REACH	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742	StVZO-K / ISO 6742	N/A
Approval number	- K 2510	- K 1837	N/A

SC-160

SC-160

- Apply with the most modern ATIR optical technology
- 12m wide and up to 250m distance of beam visibility ahead
- 160 lux high brightness and 600 lumens output
- 11V-16V with a power consumption of 11 Watt
- Multiple mounting options in one housing: fork, stem, handlebar, or fender
- IP56- Protects against high pressure water or dust ingress
- Aluminum housing
- For 25km e-bike / EPAC
- K-Mark & EN-15194-CE compliance



Specification

Model name	SC-160
Model no.	SC160D/SC160S/SC160U
S/N	0020
Light output	160 lux / 600 lumens
Optical technology	ATIR
Light source	LED *3
Input voltage (DC)	12V (11V - 16V)
Power consumption	11W
Cable diameter	Ø 4mm
Cable length	1400mm
IP rating	IP56
Operating temperature(°C)	-25~+50
Material	Aluminum
Weight (w/o cable)	115g
Dimension (WXHXL)	Ø 46 x 40.8 mm
Switch bracket / mount	N/A
Reflector (optional)	RF1 / RFD
Compliance	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742
Approval number	-K 2581



Light model: SC160D
Holder: Down
Cable Length: 1400mm
Mount: Universal fork mount (FKPL)
Reflector: K-Reflector (RF1)
Waterproof connector (ct22)
SKU No. SC1601



Light model: SC160U
Holder: Up
Cable Length: 1400mm
Mount: Not included
Waterproof connector (ct22)
SKU No. SC1602



Light model: SC160S
Holder: Side
Cable Length: 1400mm
Mount: Handlebar mount (PHB31850)
Mount size: Ø31.8 & 35mm
Reflector: K-Reflector (RFD)
Waterproof connector (ct22)
SKU No. SC1603

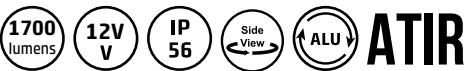
Light model: SC160D
Holder: Down
Cable Length: 150mm+CT1 power connector
Mount: Universal fork mount (FKPL)
Reflector: K-Reflector (RF1)
SKU No. SC1604

Light model: SC160S
Holder: Side
Cable Length: 150mm+CT1 power connector
Mount: Handlebar mount (PHB31850)
Mount size: Ø31.8 & 35mm
Reflector: K-Reflector (RFD)
SKU No. SC1605

SCN-1700

SCN-1700

- The SCN-1700 is a powerful e-bike light delivering 1700 lumens of output.
- Equipped with our latest ATIR (advanced total internal reflection) optical technology, the SCN-1700 provides wider, more uniform beam distribution for unparalleled visibility.
- Built to withstand the elements with superior weather-resistant capabilities.
- The lightweight, compact aluminum construction is engineered for maximum durability, while the integrated cooling system ensures consistent, high-performance output no matter how demanding the ride.



Speciication

Model name	SCN-1700
Model no.	SCN1700D / SCN1700S / SCN1700U
S/N	0033
Light output	130 lux / 1700 lumens
Optical technology	ATIR
Light source	LED *6
Input voltage (DC)	12V (11V - 16V)
Power consumption	18W max.
Cable diameter	Ø 4mm
Cable length	1400mm
IP rating	IP56
Operating temperature(°C)	-25~ +50
Material	Aluminum
Weight (w/o cable)	115g
Dimension (WXHXL)	Ø 46 x40.8 mm
Switch bracket / mount	N/A
Reflector (optional)	RF1 / RFD
Compliance	CE / RoHS / REACH
Type of approval	N/A
Approval number	N/A



Light model: SCN1700D
Holder: Down
Cable Lenght: 1400mm
Mount: Universal fork mount (FKPL)
Waterproof connector (ct22)
SKU No. SCN17001



Light model: SCN1700U
Holder: Up
Cable Lenght: 1400mm
Mount: Not included
Waterproof connector (ct22)
SKU No. SCN17002

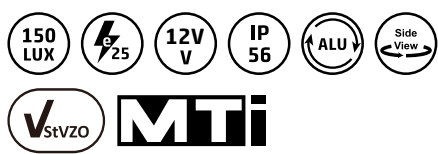


Light model: SCN1700S
Holder: Side
Cable Lenght: 1400mm
Mount: Handlebar mount (PHB31850)
Mount size: Ø31.8 & 35mm
Waterproof connector (ct22)
SKU No. SCN17003

SEC-150

SEC-150

- The SEC-150 is a high-performance e-bike light that is built from durable, heat-dissipating aluminum construction and features ultra-high-output LEDs delivering up to 150 lux
- Powered by our latest 2nd generation MTi Pro lens technology, the SEC-150 features a sophisticated multi-beam pattern that's carefully optimized to provide comprehensive, uniform coverage
- 150 lux and maximum 10W power consumption
- IP56- Protects against high pressure water or dust ingress
- For 25km e-bike/ EPAC
- K-Mark & EN-15194-CE compliance



Specification

Model name	SEC-150
Model no.	SEC150D / SEC150S / SEC150U
S/N	0028
Light output	150 lux / 500lumens
Optical technology	MTi
Light source	LED *3
Input voltage (DC)	12V (11V - 16V)
Power consumption	10W
Cable diameter	Ø 4mm
Cable length	1400mm
IP rating	IP56
Operating temperature (°C)	-25 ~ +50
Material	Aluminum
Weight (w/o cable)	90g
Dimension (WXHXL)	Ø 43.5 x 46.9 mm
Switch bracket / mount	N/A
Reflector (optional)	RF1 / RFD
Compliance	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742
Approval number	~ K 2510



Light model: SEC150D
Holder: Down
Cable Length: 1400mm
Mount: Universal fork mount (FKPL)
Reflector: K-Reflector (RF1)
Waterproof connector (ct22)
SKU No. SEC1501



Light model: SEC150U
Holder: Up
Cable Length: 1400mm
Mount: Not included
Waterproof connector (ct22)
SKU No. SEC1502

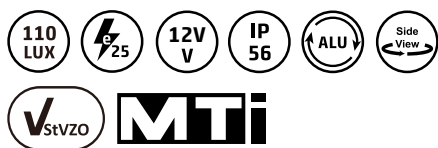


Light model: SEC150S
Holder: Side
Cable Length: 1400mm
Mount: Handlebar mount (PHB31850)
Mount size: Ø31.8 & 35mm
Reflector: K-Reflector (RFD)
Waterproof connector (ct22)
SKU No. SEC1503

SEC-110

SEC-110

- Embedded with new MTi system for standard cut-off line beam
- 10m wide and up to 210m distance of beam visibility ahead
- 110 lux
- 8V~16V with a power consumption of 8 Watt
- Multiple mounting options in one housing: fork, stem, handlebar, or fender
- IP56- Protects against high pressure water or dust ingress
- Aluminum housing
- For 25km e-bike / EPAC
- K-Mark & EN-15194-CE compliance

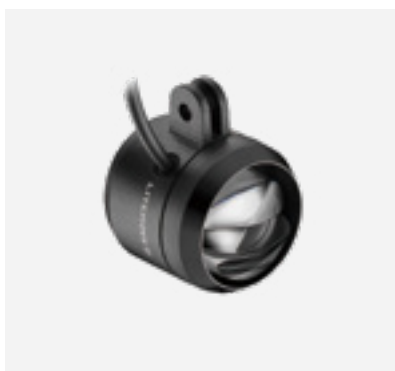


Specification

Model name	SEC-110
Model no.	SEC110D / SEC110S / SEC110U
S/N	10019
Light output	110 lux / 300lumens
Optical technology	MTi
Light source	LED *2
Input voltage (DC)	12V (8V - 16V)
Power consumption	8W
Cable diameter	Ø 4mm
Cable length	1400mm
IP rating	IP56
Operating temperature (°C)	-25 ~ +50
Material	Aluminum / Plastic
Weight (w/o cable)	85g
Dimension (WXHXL)	Ø 43.5 x 46.9 mm
Switch bracket / mount	N/A
Reflector (optional)	RF1 / RFD
Compliance	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742
Approval number	~ K 2511



Light model: SEC110D
Holder: Down
Cable Length: 1400mm
Mount: Universal fork mount (FKPL)
Reflector: K-Reflector (RF1)
Waterproof connector (ct22)
SKU No. SEC1101



Light model: SEC110U
Holder: Up
Cable Length: 1400mm
Mount: Not included
Waterproof connector (ct22)
SKU No. SEC1102



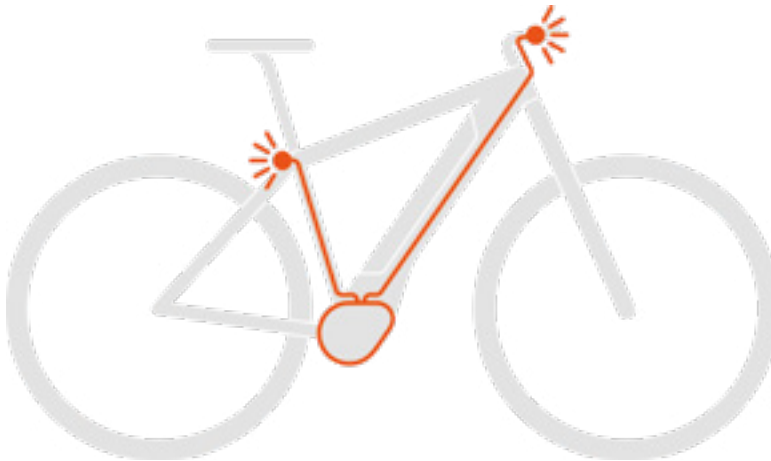
Light model: SEC110S
Holder: Side
Cable Length: 1400mm
Mount: Handlebar mount (PHB31850)
Mount size: Ø31.8 & 35mm
Reflector: K-Reflector (RFD)
Waterproof connector (ct22)
SKU No. SEC1103



LITEMOVE × Fidlock

Seamless Integration Solution

- FIDLOCK's PINCLIP e-bike light technology offers riders a hassle-free lighting solution with its magnetic-mechanical attachment system.
- With its easy attachment and secure fit, cyclists can enjoy reliable illumination on their rides, rain or shine, all while maintaining a sleek and quiet riding experience.
- For SEC-110 and SC-160, we offer our newest e-Bike lights for the 25KM/h category with Fidlock PINCLIP adapter.



SE-90A



- Built-in smart ambient sensor enables variable lumens light output depending on environment condition
- Standard (90 lux) / Day light (30 lux)
- Auto brightness switch for power saving
- IP56- Protect against high pressure water or dust ingress
- For 25km e-bike / EPAC
- K-Mark and EN-15194 CE compliance



Specification

Model name	SE-90A
Model no.	SE90AD
S/N	0024
Light output	Standard: 90 lux / 200 lumens Day Light: 30 lux / 50 lumens
Optical technology	MTi
Light source	LED *1
Input voltage (DC)	6V (5V - 16V)
Power consumption	Standard: 5W Day Light: 1.5W
Cable diameter	Ø 4mm
Cable length	1400mm
IP rating	IP56
Operating temperature (°C)	-25 ~ +50
Material	Plastic
Weight (w/o cable)	67g
Dimension (WXHXL)	Ø 43.5 x 49 mm
Switch bracket / mount	N/A
Reflector (optional)	RF1
Compliance	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742
Approval number	- K 2379



Light model: SE90AD
 Holder: Down
 Cable Length: 1400mm
 Mount: Universal fork mount (FKPL)
 Reflector: K-Reflector (RF1)
 Waterproof connector (ct22)
 SKU No. SE90AD1

SE-70



Specification

Model name	SE-70
Model no.	SE70D/SE70U
S/N	0018
Light output	70 lux / 150 lumens
Optical technology	MTi
Light source	LED *1
Input voltage (DC)	6V (5V - 16V)
Power consumption	4W
Cable diameter	Ø 4mm
Cable length	1400mm
IP rating	IP56
Operating temperature (°C)	-25 ~ +50
Material	Plastic
Weight (w/o cable)	66g
Dimension (WXHXL)	Ø 43.5 x 49 mm
Switch bracket / mount	N/A
Reflector (optional)	RF1
Compliance	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742
Approval number	~ K 2379

- Highly efficient led lights, with cut-off line beam preventing oncoming eyes from glare
- Up to 8.5m wide and up to 180m distance of beam visibility ahead (SE-90)
- 2 mount options: fork or stem
- IP56- Protects against high pressure water or dust ingress
- For 25km e-bike / EPAC
- K-Mark & EN-15194-CE compliance



Light model: SE70D
Holder: Down
Cable Length: 1400mm
Mount: Universal fork mount (FKPL)
Reflector: K-Reflector (RF1)
Waterproof connector (ct22)
SKU No. SE701

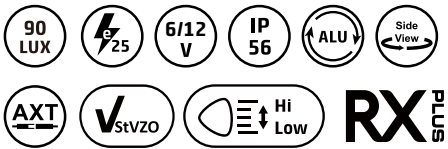


Light model: SE70U
Holder: Up
Cable Length: 1400mm
Mount: Not included
Waterproof connector (ct22)
SKU No. SE702

RX-E90



- 90 lux (RX-E90) highly efficient led lights, with cut-off line beam preventing oncoming eyes from glare
- Up to 8m wide and up to 180m distance of beam visibility ahead
- 2-piece control switch for high-beam function
- Multiple mounting options
- For 25km e-bike / EPAC
- Compliant with StVZO-K standard



Specification

Model name	RX-E90
Model no.	RXE90
S/N	RX02
Light output	High beam: 90 lux / 400 lumens Low beam: 50 lux / 200 lumens
Optical technology	RX Plus
Light source	LED *2
Input voltage (DC)	6V (5V - 16V)
Power consumption	High beam: 5.8W max. Low beam: 2.9W
Cable diameter	Power: Ø 4mm Switch: Ø 2.55mm
Cable length	Power: 1400mm Switch: 300mm / 650mm
IP rating	IP56
Operating temperature (°C)	-25 ~ +70
Material	Aluminum
Weight (w/o cable)	37.5g
Dimension (WXHXL)	39.2 x 52.6 x 48.8mm
Switch bracket / mount	Ø 22.2mm
Reflector (optional)	RFD
Compliance	CE / RoHS / REACH / prop 65
Type of approval	StVZO-K / ISO 6742
Approval number	~ K 2047



Light model: RXE90
Holder: Down
Cable Length: 1400mm
Control Switch : 650mm+Switch bracket / mount: Ø22.2mm
Mount: Universal fork mount (FKPL)
Reflector: K-Reflector (RFD)
Waterproof connector (ct22)
SKU No. RX-E901



Light model: RXE90
Holder: Down
Cable Length: 1400mm
Control Switch : 300mm+Switch bracket / mount: Ø22.2mm
Mount: Not included
Reflector: K-Reflector (RFD)
Waterproof connector (ct22)
SKU No. RX-E902

RX-E50



Light model: RXE50
Holder: Down
Cable Lenght: 1400mm
Mount: Universal fork mount (FKPL)
Reflector: K-Reflector (RFDT)
Waterproof connector (ct22)
SKU No. RX-E501

50
LUX

25

6/12
V

IP
56

Side
View

StVZO

RX

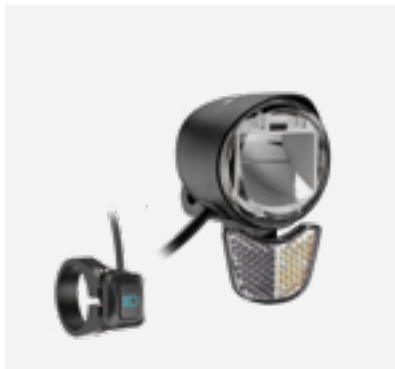
Specification

Model name	RX-E50
Model no.	RXE50
S/N	RX01
Light output	50 lux / 200 lumens
Optical technology	RX
Light source	LED *1
Input voltage (DC)	6V (5V - 16V)
Power consumption	2.5W
Cable diameter	Ø 4mm
Cable length	Power: 1400mm
IP rating	IP56
Operating temperature (°C)	-25 ~ +50
Material	Plastic
Weight (w/o cable)	18.5g
Dimension (WXHXL)	39.2 x 52.6 x 48.8mm
Switch bracket / mount	N/A
Reflector (optional)	RFDT
Compliance	CE / RoHS / REACH / prop 65
Type of approval	StVZO-K / ISO 6742
Approval number	~ K 2047

RLX-100H / RLX-60 / RLX-100



Light model: RLX100H
Holder: Down
Cable Length: 1400mm
Control Switch : 650mm+Switch
bracket / mount: Ø22.2mm
Mount: Universal fork mount (FKPL)
Reflector: K-Reflector (RFDT)
Waterproof connector (ct22)
SKU No. RLX-100H01



Light model: RLX100H
Holder: Down
Cable Length: 1400mm
Control Switch : 300mm+Switch
bracket / mount: Ø22.2mm
Mount: Not included
Reflector: K-Reflector (RFDT)
Waterproof connector (ct22)
SKU No. RLX-100H02



Light model: RLX60
Holder: Down
Cable Length: 1400mm
Mount: Universal fork mount (FKPL)
Reflector: K-Reflector (RFDT)
Waterproof connector (ct22)
SKU No. RLX-601

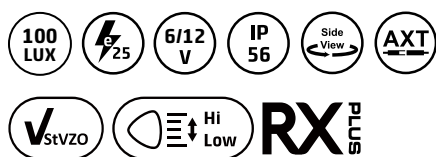
Light model: RLX100
Holder: Down
Cable Length: 1400mm
Mount: Universal fork mount (FKPL)
Reflector: K-Reflector (RFDT)
Waterproof connector (ct22)
SKU No. RLX-1002



Light model: RLX100
Holder: Down
Cable Length: 150mm+CT1 power connector
Mount: Universal fork mount (FKPL)
Reflector: K-Reflector (RFDT)
SKU No. RLX-1003

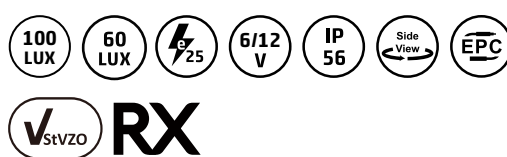
RLX-100H

- Equipped with the RX Plus optical reflector featuring a dual-beam function
- Offers a beam visibility spanning up to 8m in width with a beam throw reaching up to 200m
- Delivers brightness of up to 100 lux (high-beam)
- Operates on 6V (compatible with 5V–16V) with a power consumption of 5.8 watts
- Features a two-piece control switch for seamless high-beam operation
- Offers multiple mounting options for versatile installation
- IP56-rated protection against high-pressure water and dust intrusion



RLX-60 / RLX-100

- Equipped with an RX optical reflector for enhanced visibility
- Delivers a beam width of up to 8m and a beam throw reaching 160m (RLX-60)/ 200m (RLX-100)
- Provides brightness up to 60 lux (RLX-60) / 100 lux (RLX-100)
- Operates on 6V (compatible with 5V–16V) with a low power consumption
- Offers multiple mounting options for flexible installation
- IP56-rated protection against high-pressure water and dust intrusion
- Designed for 25km/h e-bikes and EPAC systems
- Meets K-Mark and ISO-6742 compliance standards



Specification

Model name	RLX-100H
Model no.	RLX100H
S/N	0038
Light output	High beam : 100 lux / 320 lumens Low beam : 60 lux / 180 lumens
Optical technology	RX Plus
Light source	LED *2
Input voltage (DC)	12V(5V-16V)
Power consumption	High beam : 5.4W Low beam : 2.8W
Cable diameter	Power : Ø 4mm Switch : Ø 2.55mm
Cable length	Power: 1400mm Switch: 300mm / 650mm
IP rating	IP56
Operating temperature (°C)	-25 ~ +50
Material	Plastic
Weight (w/o cable)	45g
Dimension (WXHXL)	43.3 x 43.7 x 51.3 mm
Switch bracket / mount	Ø 22.2mm
Reflector (optional)	RFDT
Compliance	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742
Approval number	~ K 2615

Specification

Model name	RLX-60	RLX-100
Model no.	RLX60	RLX100
S/N	0037	0043
Light output	60 lux / 180 lumens	100 lux / 230 lumens
Optical technology	RX	RX
Light source	LED *1	LED *1
Input voltage (DC)	12V(5V-16V)	12V(5V-16V)
Power consumption	2.8W	4.8W
Cable diameter	Ø 4mm	Ø 4mm
Cable length	Power: 1400mm	Power: 1400mm
IP rating	IP56	IP56
Operating temperature (°C)	-25 ~ +50	-25 ~ +50
Material	Plastic	Plastic
Weight (w/o cable)	34g	34g
Dimension (WXHXL)	43.3 x 43.7 x 51.3 mm	43.3 x 43.7 x 51.3 mm
Switch bracket / mount	N/A	N/A
Reflector (optional)	RFDT	RFDT
Compliance	CE / RoHS / REACH	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742	StVZO-K / ISO 6742
Approval number	~ K 2615	~ K 2615

Headlight

For Speed Pedelec



AE-200



- For 45km e-bike/ Speed Pedelec
- Use MTi Plus system, which includes dual-beam option (high/low-beam)
- 8m wide and up to 280m distance of beam visibility ahead
- Up to 600 lumens
- 9-16V with a power consumption up to 13 Watt
- 2-piece control switch for high-beam function
- Multiple mounting options in one housing: fork, stem, or handlebar
- IP56- Protects against high pressure water or dust ingress
- Aluminum housing
- **For L1e/ L2e/ L3e**
- UNECE R113 Class-B (E-mark) & EN-15194-CE compliance



Specification

Model name	AE-200
Model no.	HEAE200D / HEAE200U / HEAE200R
S/N	AE200
Light output	High beam (Driving beam) : 600 lumens Low beam (Passing beam) : 500 lumens
Optical technology	MTi Plus
Light source	LED *4
Input voltage (DC)	12V (9V - 16V)
Power consumption	High beam: 13W Low beam: 9.6W
Cable diameter	Power: Ø 4mm Switch: Ø 2.55mm
Cable length	Power: 1400mm Switch: 300mm / 650mm
IP rating	IP56
Operating temperature (°C)	-25 ~ +70
Material	Aluminum
Weight (w/o cable)	120g
Dimension (WXHXL)	Ø 46 x 59.5 mm
Switch bracket / mount	Ø 22.2mm
Reflector (optional)	RF1 / RFD
Compliance	CE / RoHS / REACH / Prop 65
Type of approval	UNECE R113 Class-B / ISO 6742
Approval number	E9 16897



Light model: HEAE200D
Holder: Down
Cable Length: 1400mm
Control Switch : 650mm+ Switch bracket / mount:
Ø 22.2mm
Mount: Universal fork mount (FKPL)
Reflector: K-Reflector (RF1)
Waterproof connector (ct22)
SKU No. AE2001



Light model: HEAE200R
Holder: Side
Cable Length: 1400mm
Control Switch : 300mm+ Switch bracket /mount:
Ø22.2mm
Mount: Handlebar mount (PHB31850)
Mount size: Ø31.8 & 35mm
Waterproof connector (ct22)
SKU No. AE2003

Tail Light

○ 538

○ 421

○ 522



613

627

	TL01	TL02	TL03	TB01	TB02	TB03/04	
Brightness							
mcd			5000			40000/ 5500/ 2500	
lumens	25	40	20	35	90	90/20/10	
Beam Angle							
	240°	240°	240°	240°	240°	240°	
Visible From							
Meter			230/160			640/240/160	
Power Source							
DC 12V							
DC 6V							
Battery	●	●	●	●	●	●	
Placement							
Carrier							
Seatpost	●	●	●	●	●	●	
Fender							
Legal Requirement							
K-mark			●			●	
ISO-6742			●			●	
International	●	●		●	●		



Carrier Solution



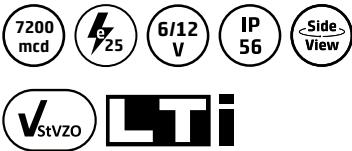
TX3 Carrier Integrated Tail Light Series

The matching design of the two elements allows the light to perfectly follow the curved shape of the carrier for improved aesthetics and wide-angle visibility. It's easy for assembly and maintenance.

Options: TX301/ TX302

TS-RK

- 7200 mcd highly efficient rear light
- 240-degree wide visibility
- Designed for bicycle's rear carriers (50mm & 80mm)
- IP56- Protects against high pressure water or dust ingress
- For 25km e-bike / EPAC
- K-Mark / ISO-6742 & EN-15194-CE compliance



Specification

Model name	TS-RK
Model no.	TKSE-RR800 / TKSE-RR500
S/N	B02(RR800) / B01(RR500)
Light output	7200mcd / 20 lumens
Optical technology	LTi
Light source	LED *4
Input voltage (DC)	6V (5V - 16V)
Power consumption	0.6W
Cable diameter	Ø 3mm
Cable length	1400mm
IP rating	IP56
Operating temperature (°C)	-25 ~ +70
Material	Plastic
Weight (w/o cable)	TKSE-RR800: 23g TKSE-RR500: 20g
Dimension (WXHXL)	TKSE-RR800 : 96 x 18 x17 mm TKSE-RR500 : 65 x 18 x17 mm
Mounting option	TKSE-RR800: 80mm rack holder TKSE-RR500: 50mm rack holder
Reflector (optional)	RF2
Compliance	CE / RoHS / REACH / Prop 65
Type of approval	StVZO-K / ISO 6742
Approval number	~ K 1693



Light model: TKSE-RR500
Cable Length: 1400mm
For 50mm carrier mount
Waterproof connector (ct22)
SKU No. TSRR50



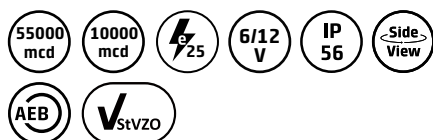
Light model: TKSE-RR800
Cable Length: 1400mm
For 80mm carrier mount
Waterproof connector (ct22)
SKU No. TSRR80

TZh / TZHB



The TZH tail light features a carrier-mounted design, integrated with a Z-marked retroreflector in compliance with German StVZO regulations, along with a 50mm mounting option for easy installation. Available in two models:

- TZH – K-Mark certified taillight for regulatory-approved illumination
- TZHB – K-Mark certified taillight with a brake warning function for added safety



Specification

Model name	TZH	TZHB
Model no.	TZH	TZHB
S/N	0042-1	0042
Light output	10000mcd / 16 lumens	Brake light : 55000mcd / 33 lumens Rear light : 10000mcd / 16 lumens
Optical technology		
Light source	LED*2	LED*4
Input voltage (DC)	12V(5V-16V)	12V(5V-16V)
Power consumption	0.6W	Brake light : 1.5W Rear light : 0.6W
Cable diameter	Ø 3mm	Ø 3mm
Cable length	1400mm	1400mm
IP rating	IP56	IP56
Operating temperature (°C)	25~+50	25~+50
Material	Plastic	Plastic
Weight (w/o cable)	17g	17g
Dimension (WXHXL)	70 x 21 x 14.7 mm	70 x 21 x 14.7 mm
Mounting option	50mm rack holder	50mm rack holder
Reflector	Integrated Z-reflector	Integrated Z-reflector
Compliance	CE / RoHS / REACH	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742	StVZO-K / ISO 6742
Approval number	~ K 2646	~ K 2646



Light model: TZH
Cable Length:1400mm
For 50mm carrier mount
Waterproof connector (ct22)
Integrated Z-reflector
SKU No. TZH01a

Light model: TZHB
Cable Length:1400mm
For 50mm carrier mount
Waterproof connector (ct22)
Integrated Z-reflector & brake
SKU No. TZHB01a

Seatpost Solution

TSV Seatpost Tail Light

Options: TSV-SP



TSV-SP



Light model: TSV-SP316
Cable Length: 1400mm
Mount: For Ø 31.6 / Ø 30.9mm
Waterproof connector (ct22)
SKU No. TSV-SP316

Light model: TSV-SP272
Cable Length: 1400mm
Mount: For Ø 27.2mm
Waterproof connector (ct22)
SKU No. TSV-SP272

- The compact and sleekly designed TSV tail light delivers a wide, 240-degree beam visibility that ensures you're seen from all angles, day or night.
- Compliant with German StVZO standards, the TSV can be easily mounted in multiple configurations and allows for both vertical and horizontal installations, seamlessly integrate with your bike's existing components.
- The eccentric holder and bevel light housing allow you to easily integrate the light with the existing components on your frame, handlebars, or seatpost for a clean, cohesive look.



Specification

Model name	TSV-SP
Model no.	TSV
S/N	0031
Light output	2500mcd / 10 lumens
Optical technology	N/A
Light source	LED *10
Input voltage (DC)	6V (5V - 16V)
Power consumption	0.65W
Cable diameter	Ø 3mm
Cable length	1400mm
IP rating	IP56
Operating temperature (°C)	-25~+50
Material	Plastic
Weight (w/o cable)	18g (w/o bracket)
Dimension (WXHXL)	17.1x37x26mm (w/o bracket)
Mounting option	TSV-SP316 : Ø 31.6 & 30.9mm seat post TSV-SP272 : Ø 27.2mm seat post
Reflector (optional)	N/A
Compliance	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742
Approval number	~ K 2550

TS-SP



Available for Ø 27.2 / 30.9 / 31.6mm seat posts



Light model: TKSESP1-316
Cable Length: 1400mm
Mount: For Ø 31.6 / Ø 30.9mm
Waterproof connector (ct22)
SKU No. TS5P316

Light model: TKSESP1-272
Cable Length: 1400mm
Mount: For Ø 27.2mm
Waterproof connector (ct22)
SKU No. TS5P272

- 7200 mcd highly efficient rear light
- 240-degree wide visibility
Designed for Ø 27.2 | 30.9 | 31.6mm seat posts
- IP56- Protects against high pressure water or dust ingress
- For 25km e-bike / EPAC
- K-Mark / ISO-6742 & EN-15194-CE compliance



Specification

Model name	TS-SP
Model no.	TKSESP1-316 / TKSESP1-272
S/N	B03
Light output	7200mcd / 20 lumens
Optical technology	LTI
Light source	LED *4
Input voltage (DC)	6V (5V - 16V)
Power consumption	0.6W
Cable diameter	Ø 3mm
Cable length	1400mm
IP rating	IP56
Operating temperature (°C)	-25~+70
Material	Plastic
Weight (w/o cable)	18g (w/o bracket)
Dimension (WXHXL)	38 x 18 x 24 mm (w/o bracket)
Mounting option	TKSESP1-316 : Ø 31.6 & 30.9mm seat post TKSESP1-272 : Ø 27.2mm seat post
Reflector (optional)	N/A
Compliance	CE / RoHS / REACH / Prop 65
Type of approval	StVZO-K / ISO 6742
Approval number	~ K 1693



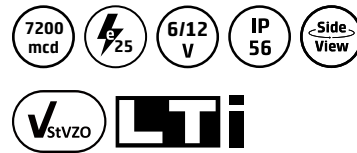
Fender Solution

TS-FD



Light model: TKSEFD
Cable Length: 1400mm
Rear fender adapter
Waterproof connector (ct22)
SKU No. TSFD

- 7200 mcd highly efficient rear light
- 240-degree wide visibility
- Designed for bicycle's rear fender
- IP56- Protects against high pressure water or dust ingress
- For 25km e-bike / EPAC
- K-Mark / ISO-6742 & EN-15194-CE compliance



Specification

Model name	TS-FD
Model no.	TKSEFD
S/N	B03
Light output	7200mcd / 20 lumens
Optical technology	LTi
Light source	LED *4
Input voltage (DC)	6V (5V - 16V)
Power consumption	0.6W
Cable diameter	Ø 3mm
Cable length	1400mm
IP rating	IP56
Operating temperature (°C)	-25~+70
Material	Plastic
Weight (w/o cable)	18g (w/o adapter)
Dimension (WXHXL)	38 x 18 x 24 mm (w/o adapter)
Mounting option	Universal
Reflector (optional)	N/A
Compliance	CE / RoHS / REACH / Prop 65
Type of approval	StVZO-K / ISO 6742
Approval number	- K 1693

TL-FD



Light model: TL-FD
Cable Lenght: 1400mm
Bolt *2
Waterproof connector (ct22)
SKU No. TLFD

- Illuminates 20 lumens of lucent light.
- Integrated solution with bicycle fender
- Wide visibility gives great lucent light from all viewing
- IP56- Protects against high pressure water or dust ingress
- For 25km e-bike / EPAC
- K-Mark & EN-15194-CE compliance



Specification

Model name	TL-FD
Model no.	TLFD
S/N	0005
Light output	7200mcd / 20 lumens
Optical technology	TL-K
Light source	LED*16 (Red)
Input voltage (DC)	6V (5V - 16V)
Power consumption	0.6W
Cable diameter	Ø 3mm
Cable length	1400mm
IP rating	IP56
Operating temperature (°C)	-25~+50
Material	Plastic
Weight (w/o cable)	11g
Dimension (WXHXL)	16.3x89.6x12.9mm (w/o bracket)
Mounting option	Bicycle fender
Reflector (optional)	N/A
Compliance	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742
Approval number	~ K 2149

TZV / TZVB

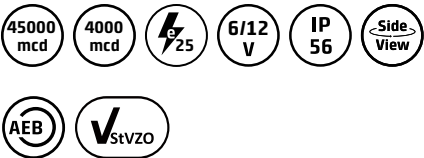


Light model: TZV
Cable Lenght:1400mm
vertical 30 degree
Waterproof connector (ct22)
Integrated Z-reflector
SKU No. TZH01a

Light model: TZVB
Cable Lenght:1400mm
vertical 30 degree
Waterproof connector (ct22)
Integrated Z-reflector & brake
SKU No. TZHB01a



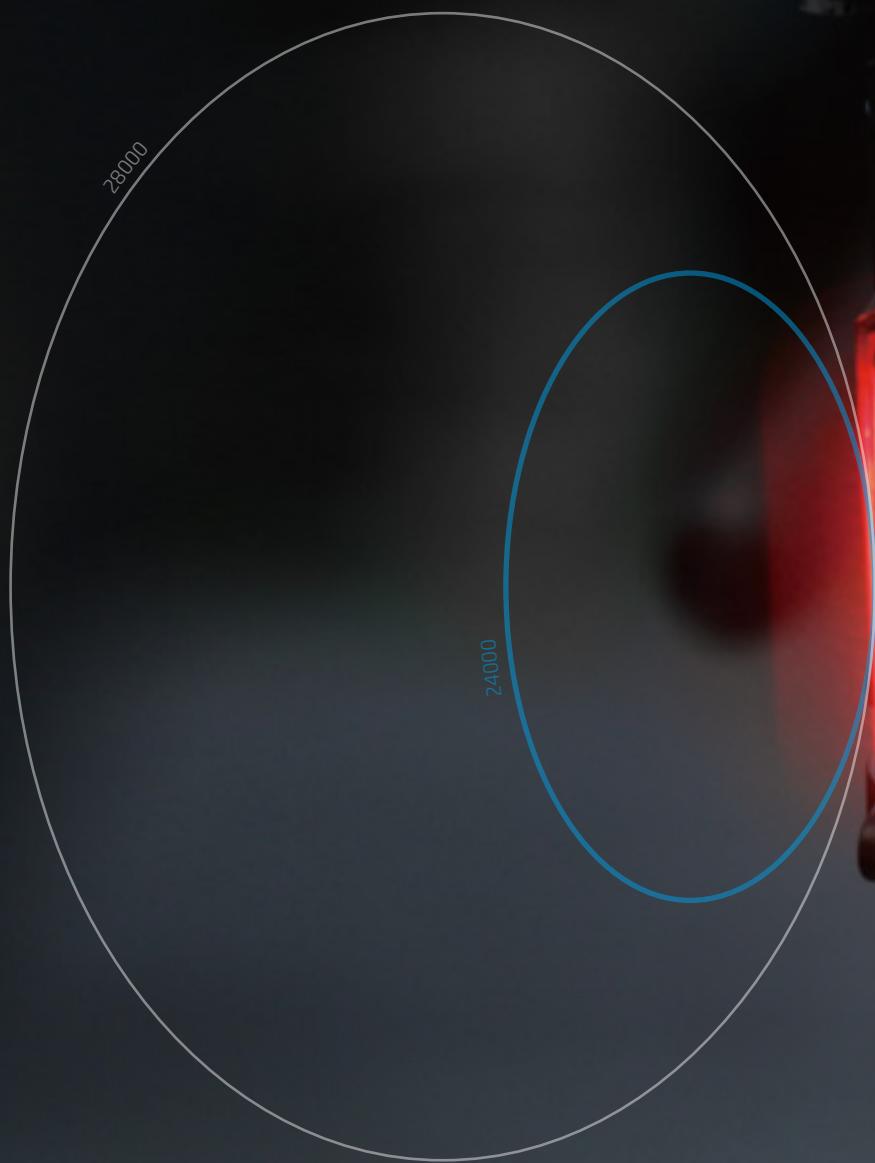
- The TZV is a sleek, fender-integrated tail light solution designed for optimal visibility and seamless integration. Featuring a built-in Z-reflector and a 30-degree mounting angle, it blends effortlessly with the fender's shape, creating a streamlined and efficient lighting setup for bicycles.
- Available in two models:
TZV – K-Mark certified taillight for standard rear visibility
TZVB – K-Mark certified taillight with an added brake warning function for enhanced safety
- With its precision-engineered design, the TZV provides a reliable and stylish lighting solution, ensuring a safer ride in any condition



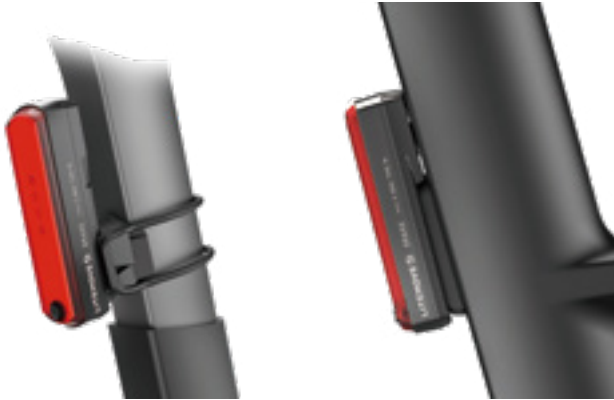
Specification

Model name	TZV	TZVB
Model no.	TZV	TZVB
S/N	0041-1	0041
Light output	4000mcd / 13 lumens	Brake light: 45000mcd / 25 lumens Rear light: 4000mcd / 13 lumens
Optical technology		
Light source	LED*2	LED*3
Input voltage (DC)	12V(5V-16V)	12V(5V-16V)
Power consumption	0.6W	Brake light : 1.5W Rear light : 0.6W
Cable diameter	Ø 3mm	Ø 3mm
Cable length	1400mm	1400mm
IP rating	IP56	IP56
Operating temperature (°C)	-25 ~ +50	-25 ~ +50
Material	Plastic	Plastic
Weight (w/o cable)	17g	17g
Dimension (WXHXL)	26.7 x 75 x 13 mm	26.7 x 75 x 13 mm
Mounting option	Bicycle fender	Bicycle fender
Reflector	Integrated Z-Reflector	Integrated Z-Reflector
Compliance	CE / RoHS / REACH	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742	StVZO-K / ISO 6742
Approval number	~ K 2647	~ K 2647

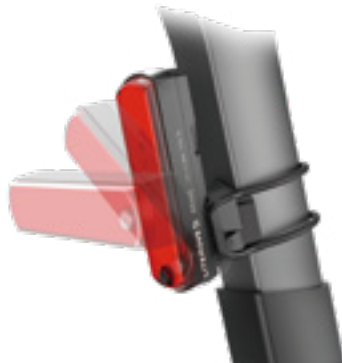
Battery Light



TB Rechargeable Tail Light



Integrated on frame



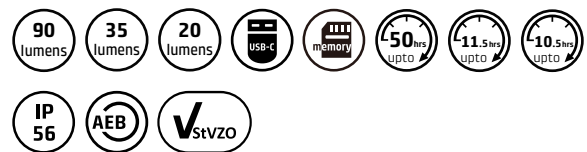
Easy attaché and lock tight



Built-in charging cable

The TB Series combines practicality, durability, and refined design – making it a reliable and stylish lighting solution for cyclists. Key features include:

- **Seamless Design & Easy Mounting**
 - Sleek, compact profile integrates smoothly with bike aesthetics
 - Magnetic mounting system ensures secure attachment
 - Compatible with both round and aero tubing
- **Effortless Charging & Long-Lasting Battery**
 - Built-in Type-C plug with flexible cable for easy charging, no extra cables needed
 - Upgraded battery offers up to 50 hours of runtime (international version)
- **Smart Brake Sensor:** Built-in auto sensor increases brightness fivefold during hard braking for enhanced safety
- **Versatile Lighting Modes:** Multiple modes to suit various riding conditions and preferences
- **Weather Protection:** IP56 rating protects against dust and high-pressure water sprays
- **Mode memory function:** Automatically recalls the last used setting for added convenience
- **Certified Safety & Regulatory Compliance**
 - Compliant with EU Regulation 2023/1542
 - Meets German StVZO standards for road safety
 - ROHS & REACH tested





Light model: TB01
BA1 mount *1
Strap *2
Mount size: Ø22.2 - 35mm
SKU No. TB01G1a



Light model: TB02
BA1 mount *1
Strap *2
Mount size: Ø22.2 - 35mm
SKU No. TB02G1a



Light model: TB03
BA1 mount *1
Strap *2
Mount size: Ø22.2 - 35mm
SKU No. TB03G1a



Light model: TB04
BA1 mount *1
Strap *2
Mount size: Ø22.2 - 35mm
SKU No. TB04G1a

Specification

Model name	TB01	TB02	TB03	TB04
Model no.	TB01	TB02	TB03	TB04
S/N	0044	0045	0044-1	0045-1
Mode / brightness	High: 35 lumens Standard: 11 lumens Strobe: 6 lumens Flash: 2 lumens Eco: 1 lumens	Brake light: 90 lumens High: 35 lumens Standard: 12 lumens Strobe: 6 lumens Flash: 2 lumens Eco: 1 lumens	High : 5500mcd / 20 lumens Standard : 2500mcd / 10 lumens	Brake light: 40000mcd / 90 lumens High: 5500mcd / 20 lumens Standard: 2500mcd / 10 lumens
Light source	LED*18 (Red)	LED*22 (Red)	LED*18 (Red)	LED*22 (Red)
Power source	Battery (3.7V/ 400mAh)	Battery (3.7V/ 400mAh)	Battery (3.7V/ 400mAh)	Battery (3.7V/ 400mAh)
Runtime	High: 2 hours Standard: 5 hours Strobe: 12 hours Flash: 36 hours Eco: 50 hours	High: 2 hours Standard: 5 hours Strobe: 12 hours Flash: 36 hours Eco: 50 hours	High : 5.5 hours Standard : 11.5 hours	High : 5 hours Standard : 10.5 hours
Charge time	2.5 hours	2.5 hours	2.5 hours	2.5 hours
Charge required	Built-in USB-C, 5V 1A	Built-in USB-C, 5V 1A	Built-in USB-C, 5V 1A	Built-in USB-C, 5V 1A
Low power indicator	Yes	Yes	Yes	Yes
Charging indicator	Yes	Yes	Yes	Yes
IP rating	IP56	IP56	IP56	IP56
Operating temperature (°C)	-10 ~ +50	-10 ~ +50	-10 ~ +50	-10 ~ +50
Material	Plastic	Plastic	Plastic	Plastic
Weight (w/o cable)	27g	27g	27g	27g
Dimension (WXHXL)	20*77.7*21.7mm (w/o bracket)	20*77.7*21.7mm (w/o bracket)	20*77.7*21.7mm (w/o bracket)	20*77.7*21.7mm (w/o bracket)
Mounting bracket	Universal ø 22.2-35mm	Universal ø 22.2-35mm	Universal ø 22.2-35mm	Universal ø 22.2-35mm
Reflector	N/A	N/A	N/A	N/A
Compliance	CE / RoHS / REACH	CE / RoHS / REACH	CE / RoHS / REACH	CE / RoHS / REACH
Type of approval	N/A	N/A	StVZO-K / ISO 6742	StVZO-K / ISO 6742
Approval number	N/A	N/A	-K 2644	-K 2644

TL Visibility Lights

Up to 40 lumens and 100 hours run-time



Built-in charge cord

- High-Efficiency Brightness & Runtime: Equipped with a 300 mAh battery for optimal performance and extended use. Illuminates up to 25 lumens & 70 hours run-time.

Adaptive Lighting Modes: Multiple light modes with memory function for various riding scenarios
- Integrated USB Charging: Built-in USB-A charging cord for convenient, cable-free power-up
- Quick & Flexible Mounting: Fast mounting system with versatile positioning options, supports vertical or horizontal installation on forks, handlebars, seat posts, carriers, and more
- Certified Safety & Compliance: K-Mark, CE, ROHS, and REACH certified for quality and regulatory assurance

25 lumens

40 lumens

20 lumens

USB-A

memory

70 hrs upto

100 hrs upto

3.5 hrs upto

IP 56

SVZ

Specification

Model name	TL01
Model no.	TL01
S/N	TL01
Light output	High: 25 lumens Standard: 13 lumens Strobe: 23 lumens Flash: 11 lumens Eco: 4 lumens
Optical technology	N/A
Light source	LED*16 (Red)
Power source	Battery (3.7V/ 300mAh)
Runtime	High: 2.5 hours Standard: 5 hours Strobe: 15 hours Flash: 65 hours Eco: 70 hours
Charge time	1.5 hours
Charge require	Built-in USB-A, 5V 1A
Low power indicator	Yes
Charging indicator	Yes
IP rating	IP56
Operating temperature (°C)	-10 ~ +50
Material	Plastic
Weight (w/o bracket)	18g
Dimension (WXHXL)	15.5 x 74.3 x 18mm (w/o bracket)
Mounting bracket	Universal Ø 22.2-35mm
Compliance	CE / RoHS / REACH
Type of approval	N/A
Approval number	N/A



Light model: TL01
BA1 mount *1
Strap *2
Mount size: Ø22.2 - 35mm
SKU No. TL01G1a



Light model: TL02
BA1 mount *1
Strap *2
Mount size: Ø22.2 - 35mm
SKU No. TL02G1a

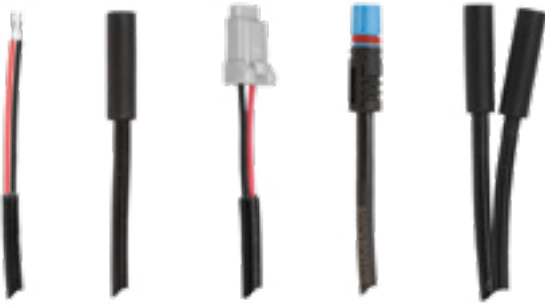


Light model: TL03
BA1 mount *1
Strap *2
Mount size: Ø22.2 - 35mm
SKU No. TL03G1a

Specification

Model name	TL02	TL03
Model no.	TL02	TL03
S/N	TL02	0010
Light output	High: 40 lumens Standard: 20 lumens Strobe: 36 lumens Flash: 18 lumens Eco: 6.4 lumens	High : 5000mcd / 20 lumens Standard : 2500mcd / 11 lumens
Optical technology	N/A	TL-K
Light source	LED*16 (White)	LED*16 (Red)
Power source	Battery (3.7V/ 300mAh)	Battery (3.7V/ 300mAh)
Runtime	High: 4 hours Standard: 9 hours Strobe: 19 hours Flash: 95 hours Eco: 100 hours	High : 2 hours Standard : 3.5 hours
Charge time	1.5 hours	1.5 hours
Charge require	Built-in USB-A, 5V 1A	Built-in USB-A, 5V 1A
Low power indicator	Yes	Yes
Charging indicator	Yes	Yes
IP rating	IP56	IP56
Operating temperature (°C)	-10 ~ +50	-10 ~ +50
Material	Plastic	Plastic
Weight (w/o bracket)	18g	18g
Dimension (WXHXL)	15.5 x 74.3 x 18mm (w/o bracket)	15.5 x 74.3 x 18mm (w/o bracket)
Mounting bracket	Universal Ø 22.2-35mm	Universal Ø 22.2-35mm
Compliance	CE / RoHS / REACH	CE / RoHS / REACH
Type of approval	N/A	StVZO-K / ISO 6742
Approval number	N/A	~ K 2149

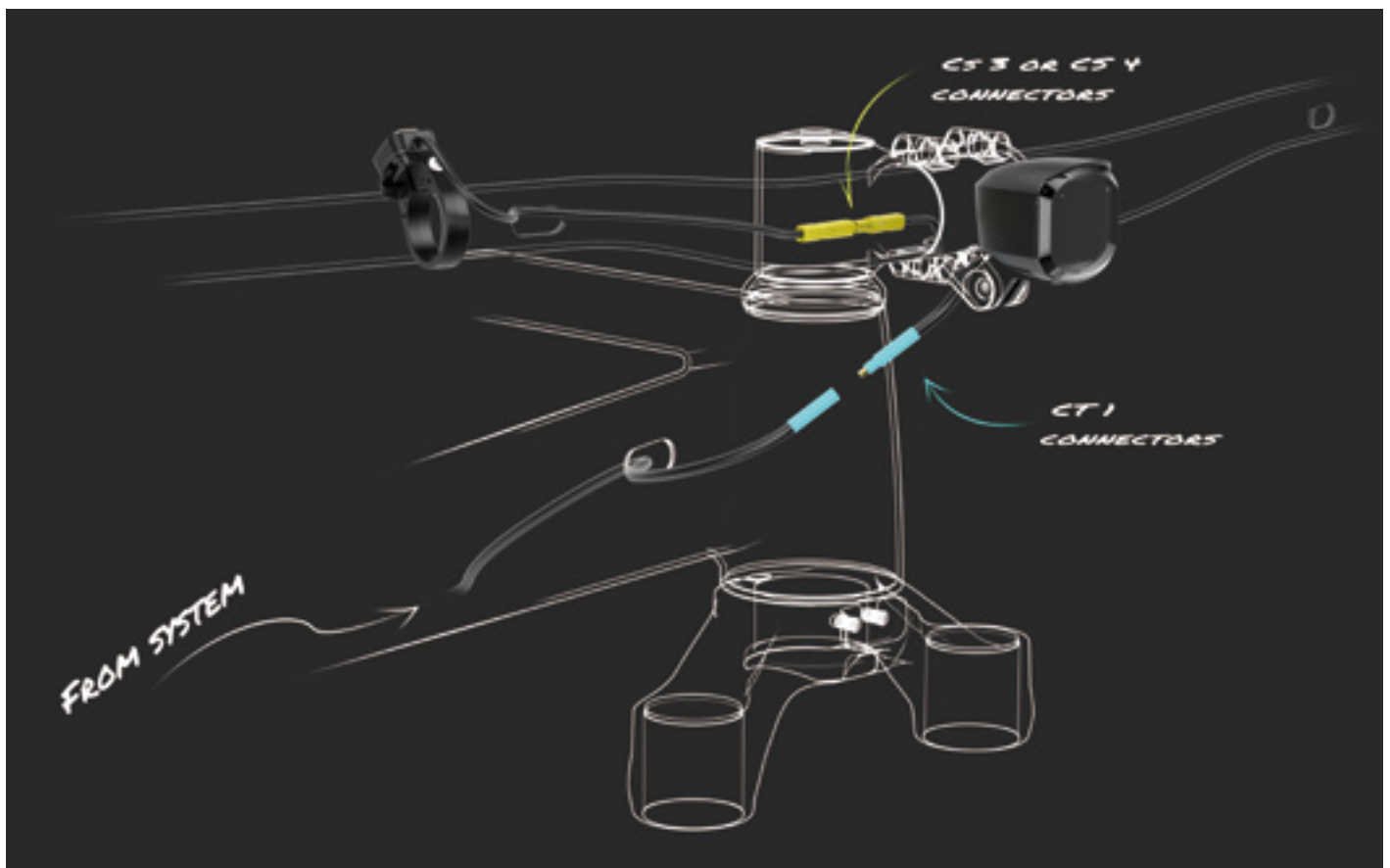
FE Cable Solutions



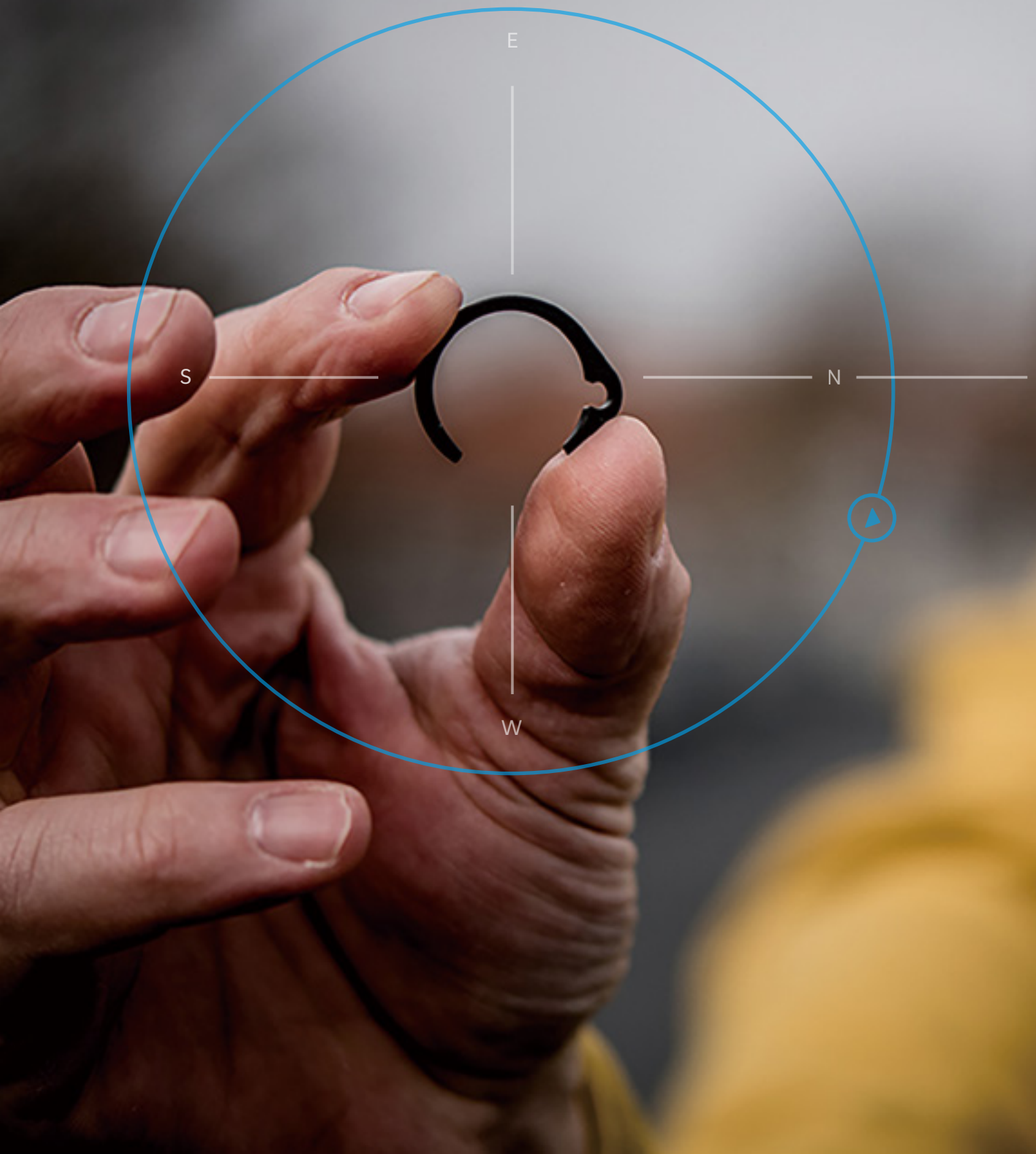
- PVC free cable
- Make a Clean & Neat Assemble
- Hassle free for repair
- Compatible with Litemove headlights with EPC function (easy power connector) .
- Available for Bosch / Shimano / Yamaha / TQ ...



Easy power connector- is an adding function for the light easily and quickly connected to motor e-bike system with FE cable solution. Reduce unnecessary redundancy complicated and inaccessible wiring can cause difficulties for mechanics. Litemove offers EPC option per demands.



Accessories



For Headlights

Headlebar Bracket



mount: Ø31.8 & 35mm / side

Material: Plastic
SKU No: PHB31850ba



mount: Ø31.8 & 35mm / universal

Material: Plastic
SKU No: PHBU31850ba



GoPro Solutions

GoPro style mount for BOSCH Intuvia & Nyon (~MY20)

Material: Plastic
SKU No: GO-B01ba

Fork Mount



2 axles fork mount

Material: Aluminum
SKU No: FK2Aba



Universal fork mount

Material: Plastic
SKU No: FKPLba



Suntour NEX-E, NEX, CR8

Material: Plastic
SKU No: STU-1ba



Suntour NCX-E

Material: Plastic
SKU No: STU-2ba



Suntour MOBIE34/45/25/ A32, XCR32, XCM32

Material: Plastic
SKU No: STU-3ba



FOX AWL

Material: Plastic
SKU No: STU-5ba

Adapter



Stem (face cap) adapter

Material: Plastic
SKU No: AP1ba



Headlight rear adapter/ space 9.4mm (GoPro compatible)

Material: Plastic
SKU No: AP2ba



Headlight rear adapter (eccentric)/ space 10mm

Material: Plastic
SKU No: AP2Aba



Front fender adapter

Material: Plastic
SKU No: AP3Aba

For Tail Lights

Seat Post Mount



mount: Ø 27.2mm

Material: Plastic
SKU No: SP1-272ba



mount: Ø 31.6 & 30.9mm

Material: Plastic
SKU No: SP1-316ba

Fender Mount



Rear fender adapter

Material: Plastic
SKU No: FD-CNTba

Seat Stay & Seat Post



SY bracket / mount: seat stay & seat post

Material: Plastic
SKU No: SY1ba

Others

Reflector



K-reflector (front)

Material: Plastic
SKU No: RF1ba



K-reflector + adapter
(w/machine screw)

Material: Plastic
SKU No: RFDba



Z-reflector (rear)

Material: Plastic
SKU No: RF2ba

Switch



High beam cable 190mm

Material: Plastic
SKU No: CS3bsa



High beam cable 540mm

Material: Plastic
SKU No: CS4bsa



Switch bracket / mount :
Ø 22.2mm

Material: Plastic
SKU No: SR222ba



Switch bracket universal

Material: Plastic
SKU No: SRUba

Specifications Overview

Headlights

MODEL NAME	RXW-2900	AEW-230	AC-210	AC-150
Model no.	RXW2900	HKAEW230	AC210D / AC210S / AC210U	AC150D / AC150S / AC150U
S/N	0025	E10	10015	0023
Light output	High beam:200 lux / 2900 lumens (28W) 170 lux / 2425 lumens (22W) 140 lux / 1970 lumens (17W) Low beam:140 lux / 1665 lumens Day Light:60 lux / 650 lumens	High beam: 230 lux / 950 lumens Low beam: 170 lux / 550 lumens	High beam: 210 lux / 700 lumens Low beam: 140 lux / 460 lumens	High beam: 150 lux / 600 lumens Low beam: 90 lux / 380 lumens
Optical technology	RX Pro	MTi Pro	MTi Plus	MTi Plus
Light source	LED* 12	LED*4	LED *6	LED *4
Input voltage (DC)	12V (11V - 16V)	12V (9V - 16V)	12V (11V - 16V)	12V (6V - 16V)
Power consumption	High beam : 28W / 22W / 17W Low beam : 13.5W Day Light: 5.5W	High beam: 15W max. Low beam: 7.3W	High beam: 16W max. Low beam: 10W	High beam: 13W max. Low beam: 6W
Cable diameter	Power: Ø 4mm Switch: Ø 2.55mm	Power: Ø 4mm Switch: Ø 2.55mm	Power: Ø 4mm Switch: Ø 2.55mm	Power: Ø 4mm Switch: Ø 2.55mm
Cable length	Power: 1400mm Switch: 300mm	Power: 1400mm Switch: 300mm	Power: 1400mm Switch: 300mm / 650mm	Power: 1400mm Switch: 300mm / 650mm
IP rating	IP56	IP56	IP56	IP56
Operating temperature (°C)	-25 ~ +50	-25 ~ +70	-25 ~ +50	-25 ~ +50
Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight (w/o cable)	155g	165g	128g	128g
Dimension (WXHXL)	83 x 50.8 x 52 mm	63.1 x 49.9 x 52 mm	Ø 46 x 52 mm	Ø 46 x 52 mm
Switch bracket / mount	Ø 22.2mm	Ø 22.2mm	Ø 22.2mm	Ø 22.2mm
Reflector (optional)	N/A	RFD	RF1 / RFD	RF1 / RFD
Compliance	CE / RoHS / REACH	CE / RoHS / REACH / Prop 65	CE / RoHS / REACH	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742	StVZO-K / ISO 6742	StVZO-K / ISO 6742	StVZO-K / ISO 6742
Approval number	~ K 2509	~ K 1973	~ K 2510	~ K 1837

MODEL NAME	ACN-1200	SC-160	SCN-1700	SEC-150
Model no.	ACN1200D / ACN1200S / ACN1200U	SC160D / SC160S / SC160U	SCN1700D / SCN1700S / SCN1700U	SEC150D / SEC150S / SEC150U
S/N	0032	0020	0033	0028
Light output	High beam : 155 lux / 1200 lumens Low beam : 130 lux / 990 lumens	160 lux/ 600 lumens	130 lux / 1700 lumens	150 lux/ 500 lumens
Optical technology	MTi Plus	ATIR	ATIR	MTi
Light source	LED* 12	LED *3	LED*6	LED *3
Input voltage (DC)	12V (11 V - 16V)	12V (11V - 16V)	12V (11V - 16V)	12V (11V - 16V)
Power consumption	High beam : 18W max. Low beam : 11W	11W	18W max.	10W
Cable diameter	Power : Ø 4mm Switch : Ø 2.55mm	Ø 4mm	Ø 4mm	Ø 4mm
Cable length	Power: 1400mm Switch: 300mm / 650mm	1400mm	1400mm	1400mm
IP rating	IP56	IP56	IP56	IP56
Operating temperature (°C)	-25 ~ +50	-25 ~ +50	-25 ~ +50	-25 ~ +50
Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight (w/o cable)	128g	115g	115g	90g
Dimension (WXHXL)	Ø 46 x 52mm	Ø 46 x 40.8 mm	Ø 46 x 40.8 mm	Ø 43.5 x 46.9mm
Switch bracket / mount	Ø 22.2mm	N/A	N/A	N/A
Reflector (optional)	RF1 / RFD	RF1 / RFD	RF1 / RFD	RF1 / RFD
Compliance	CE / RoHS / REACH	CE / RoHS / REACH	CE / RoHS / REACH	CE / RoHS / REACH
Type of approval	N/A	StVZO-K / ISO 6742	N/A	StVZO-K / ISO 6742
Approval number	N/A	- K 2581	N/A	- K 2510

MODEL NAME	SEC-110	SE-90A	SE-70	
Model no.	SEC110D / SEC110S / SEC110U	SE90AD	SE70D / SE70U	
S/N	10019	0024	0018	
Light output	110 lux/ 300 lumens	Standard: 90 lux / 200 lumens Day Light: 30 lux / 50 lumens	70 lux/ 150 lumens	
Optical technology	MTi	MTi	MTi	
Light source	LED* 2	LED* 1	LED* 1	
Input voltage (DC)	12V (8V - 16V)	6V (5V - 16V)	6V (5V - 16V)	
Power consumption	8W	Standard: 5W Day Light: 1.5W	4W	
Cable diameter	Ø 4mm	Ø 4mm	Ø 4mm	
Cable length	1400mm	1400mm	1400mm	
IP rating	IP56	IP56	IP56	
Operating temperature (°C)	-25 ~ +50	-25 ~ +50	-25 ~ +50	
Material	Aluminum / Plastic	Plastic	Plastic	
Weight (w/o cable)	85g	67g	66g	
Dimension (WXHXL)	Ø 43.5 x 46.9mm	Ø 43.5 x 49mm	Ø 43.5 x 49mm	
Switch bracket / mount	N/A	N/A	N/A	
Reflector (optional)	RF1 / RFD	RF1	RF1	
Compliance	CE / RoHS / REACH	CE / RoHS / REACH	CE / RoHS / REACH	
Type of approval	StVZO-K / ISO 6742	StVZO-K / ISO 6742	StVZO-K / ISO 6742	
Approval number	- K 2511	- K 2379	- K 2379	

MODEL NAME	RX-E90	RX-E50	RLX-60	RLX-100
Model no.	RXE90	RXE50	RLX60	RLX100
S/N	RX02	RX01	0037	0043
Light output	High beam : 90 lux / 400 lumens Low beam : 50 lux / 200 lumens	50 lux / 200 lumens	60 lux / 180 lumens	100 lux / 230 lumens
Optical technology	RX Plus	RX	RX	RX
Light source	LED*2	LED*1	LED*1	LED*1
Input voltage (DC)	6V (5V ~ 16V)	6V (5V ~ 16V)	12V (5V-16V)	12V (5V-16V)
Power consumption	High beam: 5.8W max. Low beam: 2.9W	2.5W	2.8W	4.8W
Cable diameter	Power: Ø 4mm Switch: Ø 2.55mm	Ø 4mm	Ø 4mm	Ø 4mm
Cable length	Power: 1400mm Switch: 300mm / 650mm	1400mm	1400mm	1400mm
IP rating	IP56	IP56	IP56	IP56
Operating temperature (°C)	-25 ~ +70	-25 ~ +50	-25 ~ +50	-25 ~ +50
Material	Aluminum	Plastic	Plastic	Plastic
Weight (w/o cable)	37.5g	18.5g	34g	34g
Dimension (WXHXL)	39.2 x 52.6 x 48.8 mm	39.2 x 52.6 x 48.8 mm	43.3 x 43.7 x 51.3 mm	43.3 x 43.7 x 51.3 mm
Switch bracket / mount	Ø 22.2mm	N/A	N/A	N/A
Reflector (optional)	RFD	RFDT	RFDT	RFDT
Compliance	CE / RoHS / REACH / Prop 65	CE / RoHS / REACH / Prop 65	CE / RoHS / REACH	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742	StVZO-K / ISO 6742	StVZO-K / ISO 6742	StVZO-K / ISO 6742
Approval number	- K 2047	- K 2047	- K 2615	- K 2615

MODEL NAME	RLX-100H	AE-200	
Model no.	RLX100H	HEAE200D / HEAE200U / HEAE200R	
S/N	0038	AE200	
Light output	High beam : 100 lux / 320 lumens Low beam : 60 lux / 180 lumens	High beam (Driving beam): 600 lumens Low beam (Passing beam): 500 lumens	
Optical technology	RX Plus	MTi Plus	
Light source	LED*2	LED *4	
Input voltage (DC)	12V(5V-16V)	12V (9V - 16V)	
Power consumption	High beam : 5.4W / Low beam : 2.8W	High beam: 13W max / Low beam: 9.6W	
Cable diameter	Power: Ø 4mm / Switch: Ø 2.55mm	Power: Ø 4mm / Switch: Ø 2.55mm	
Cable length	Power: 1400mm / Switch: 300mm / 650mm	Power: 1400mm / Switch: 300mm / 650mm	
IP rating	IP56	IP56	
Operating temperature (°C)	-25 ~ +50	-25 ~ +70	
Material	Plastic	Aluminum	
Weight (w/o cable)	45g	120g	
Dimension (WXHXL)	43.3 x 43.7 x 51.3 mm	Ø 46 x 59.5mm	
Switch bracket / mount	Ø 22.2mm	Ø 22.2mm	
Reflector (optional)	RFDT	RF1 / RFD	
Compliance	CE / RoHS / REACH	CE / RoHS / REACH / Prop 65	
Type of approval	StVZO-K / ISO 6742	UNECE R113 Class-B / ISO 6742	
Approval number	- K 2615	E9 16897	

Taillights

MODEL NAME	TSV-SP	TS-SP	
Model no.	TSV	TKSESP1-316 TKSESP1-272	
S/N	0031	803	
Light output	2500mcd/ 10 lumens	7200mcd/ 20 lumens	
Optical technology		LTi	
Light source	LED *10	LED *4	
Input voltage (DC)	6V (5V -16V)	6V (5V - 16V)	
Power consumption	0.65W	0.6W	
Cable diameter	Ø 3mm	Ø 3mm	
Cable length	1400mm	1400mm	
IP rating	IP56	IP56	
Operating temperature (°C)	-25 ~ +50	-25 ~ +70	
Material	Plastic	Plastic	
Weight (w/o cable)	18g (w/o bracket)	18g (w/o bracket)	
Dimension (WXHXL)	17.1x37x26mm (w/o bracket)	38 x 18 x 24 mm (w/o bracket)	
Mounting option	TSV-SP316 : Ø 31.6 & 30.9mm seat post TSV-SP272 : Ø 27.2mm seat post	TKSESP1-316: Ø 31.6 & 30.9mm seat post TKSESP1- 272: Ø 27.2mm seat post	
Reflector (optional)	N/A	N/A	
Compliance	CE / RoHS / REACH	CE / RoHS / REACH / Prop 65	
Type of approval	StVZO-K / ISO 6742	StVZO-K / ISO 6742	
Approval number	~ K 2550	~ K 1693	

MODEL NAME	TS-FD	TS-RK	TL-FD
Model no.	TKSEFD	TKSE-RR800 TKSE-RR500	TLFD
S/N	B03	B01(RR500) / B02(RR800)	0005
Light output	7200mcd/ 20 lumens	7200mcd/ 20 lumens	7200mcd/ 20 lumens
Optical technology	LTi	LTi	TL-K
Light source	LED *4	LED *4	LED*16 (Red)
Input voltage (DC)	6V (5V - 16V)	6V (5V - 16V)	6V (5V - 16V)
Power consumption	0.6W	0.6W	0.6W
Cable diameter	Ø 3mm	Ø 3mm	Ø 3mm
Cable length	1400mm	1400mm	1400mm
IP rating	IP56	IP56	IP56
Operating temperature (°C)	-25 ~ +70	-25 ~ +70	-25 ~ +50
Material	Plastic	Plastic	Plastic
Weight (w/o cable)	18g (w/o adapter)	TKSE-RR800: 23g TKSE-RR500: 20g	11g
Dimension (WXHXL)	38 x 18 x 24 mm (w/o adapter)	TKSE-RR800: 96 x 18 x17 mm TKSE-RR500: 65 x 18 x17 mm	16.3 x 89.6 x 12.9 mm (w/o bracket)
Mounting option	Universal	TKSE-RR800: 80mm rack holder TKSE-RR500: 50mm rack holder	Bicycle fender
Reflector (optional)	N/A	RF2	N/A
Compliance	CE / RoHS / REACH / Prop 65	CE / RoHS / REACH / Prop 65	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742	StVZO-K / ISO 6742	StVZO-K / ISO 6742
Approval number	~ K 1693	~ K 1693	~ K 2149

MODEL NAME	TZV	TZVB	TZH	TZHB
Model no.	TZV	TZVB	TZH	TZHB
S/N	0041-1	0041	0042-1	0042
Light output	4000mcd / 13 lumens	Brake light : 45000mcd / 25 lumens Rear light : 4000mcd / 13 lumens	10000mcd / 16 lumens	Brake light : 55000mcd / 33 lumens Rear light : 10000mcd / 16 lumens
Optical technology				
Light source	LED*2	LED*3	LED*2	LED*4
Input voltage (DC)	12V(5V-16V)	12V(5V-16V)	12V(5V-16V)	12V(5V-16V)
Power consumption	0.6W	Brake light : 1.5W Rear light : 0.6W	0.6W	Brake light : 1.5W Rear light : 0.6W
Cable diameter	Ø 3mm	Ø 3mm	Ø 3mm	Ø 3mm
Cable length	1400mm	1400mm	1400mm	1400mm
IP rating	IP56	IP56	IP56	IP56
Operating temperature (°C)	-25 ~ +50	-25 ~ +50	-25 ~ +50	-25 ~ +50
Material	Plastic	Plastic	Plastic	Plastic
Weight (w/o cable)	17g	17g	17g	17g
Dimension (WXHXL)	26.7 x 75 x 13 mm	26.7 x 75 x 13 mm	70 x 21 x 14.7 mm	70 x 21 x 14.7 mm
Mounting option	Bicycle fender	Bicycle fender	50mm rack holder	50mm rack holder
Reflector (optional)	Integrated Z-reflector	Integrated Z-reflector	Integrated Z-reflector	Integrated Z-reflector
Compliance	CE / RoHS / REACH	CE / RoHS / REACH	CE / RoHS / REACH	CE / RoHS / REACH
Type of approval	StVZO-K / ISO 6742	StVZO-K / ISO 6742	StVZO-K / ISO 6742	StVZO-K / ISO 6742
Approval number	~ K 2647	~ K 2647	~ K 2646	~ K 2646

Battery Lights

MODEL NAME	TL01	TL02	TL03
Model no.	TL01	TL02	TL03
S/N	TL01	TL02	0010
Light output	High: 25 lumens Standard: 13 lumens Strobe: 23 lumens Flash: 11 lumens Eco: 4 lumens	High: 40 lumens Standard: 20 lumens Strobe: 36 lumens Flash: 18 lumens Eco: 6.4 lumens	High: 5000mcd / 20 lumens Standard: 2500mcd / 11 lumens
Optical technology			TL-K
Light source	LED*16 (Red)	LED*16 (White)	LED*16 (Red)
Power source	Battery (3.7V/ 300mAh)	Battery (3.7V/ 300mAh)	Battery (3.7V / 300mAh)
Runtime	High: 2.5 hours Standard: 5hours Strobe: 15 hours Flash: 65 hours Eco: 70 hours	High: 4 hours Standard: 9 hours Strobe: 19 hours Flash: 95 hours Eco: 100 hours	High : 2 hours Standard : 3.5 hours
Charge time	1.5 hours	1.5 hours	1.5 hours
Charge require	Built-in USB-A, 5V 1A	Built-in USB-A, 5V 1A	Built-in USB-A, 5V 1A
Low power indicator	Yes	Yes	Yes
Charging indicator	Yes	Yes	Yes
IP rating	IP56	IP56	IP56
Operating temperature (°C)	-10 ~ +50	-10 ~ +50	-10 ~ +50
Material	Plastic	Plastic	Plastic
Weight (w/o bracket)	18g	18g	18g
Dimension (WXHXL)	15.5 x 74.3 x 18mm	15.5 x 74.3 x 18mm	15.5 x 74.3 x 18mm
Mounting bracket	Universal ø 22.2-35mm	Universal ø 22.2-35mm	Universal ø 22.2-35mm
Compliance	CE / RoHS / REACH	CE / RoHS / REACH	CE / RoHS / REACH
Type of approval	N/A	N/A	StVZO-K / ISO 6742
Approval number	N/A	N/A	~ K 2149

Battery Lights

MODEL NAME	TB01	TB02	TB03	TB04
Model no.	TB01	TB02	TB03	TB04
S/N	0044	0045	0044-1	0045-1
Light output	High: 35 lumens Standard: 11 lumens Strobe: 6 lumens Flash: 2 lumens Eco: 1 lumens	Brake light :90 lumens High: 35 lumens Standard: 12 lumens Strobe: 6 lumens Flash: 2 lumens Eco: 1 lumens	High : 5500mcd / 20 lumens Standard : 2500mcd / 10 lumens	Brake light : 40000mcd / 90 lumens High : 5500mcd / 20 lumens Standard : 2500mcd / 10 lumens
Optical technology				
Light source	LED*18 (Red)	LED*22 (Red)	LED*18 (Red)	LED*22 (Red)
Power source	Battery (3.7V / 400mAh)	Battery (3.7V / 400mAh)	Battery (3.7V / 400mAh)	Battery (3.7V / 400mAh)
Runtime	High: 2 hours Standard: 5 hours Strobe: 12 hours Flash: 36 hours Eco: 50 hours	High: 2 hours Standard: 5 hours Strobe: 12 hours Flash: 36 hours Eco: 50 hours	High : 5.5 hours Standard : 11.5 hours	High : 5 hours Standard : 10.5 hours
Charge time	2.5 hours	2.5 hours	2.5 hours	2.5 hours
Charge require	Built-in USB-C, 5V 1A	Built-in USB-C, 5V 1A	Built-in USB-C, 5V 1A	Built-in USB-C, 5V 1A
Low power indicator	Yes	Yes	Yes	Yes
Charging indicator	Yes	Yes	Yes	Yes
IP rating	IP56	IP56	IP56	IP56
Operating temperature (°C)	-10 ~ +50	-10 ~ +50	-10 ~ +50	-10 ~ +50
Material	Plastic	Plastic	Plastic	Plastic
Weight (w/o bracket)	27g	27g	27g	27g
Dimension (WXHXL)	20 x 77.7 x 21.7 mm	20 x 77.7 x 21.7 mm	20 x 77.7 x 21.7 mm	20 x 77.7 x 21.7 mm
Mounting bracket	Universal ø 22.2-35mm	Universal ø 22.2-35mm	Universal ø 22.2-35mm	Universal ø 22.2-35mm
Compliance	CE / RoHS / REACH	CE / RoHS / REACH	CE / RoHS / REACH	CE / RoHS / REACH
Type of approval	N/A	N/A	StVZO-K / ISO 6742	StVZO-K / ISO 6742
Approval number	N/A	N/A	~ K 2644	~ K 2644

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