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About Litemove

Litemove is a design & manufacturing company of LED lights for the global bicycle industry.

The company is based in Taiwan; with sales, marketing, and service located in both Germany and Taiwan. We are a young energetic company complimented by a team with several decades of international experience in optics, electronics and mechanical engineering harnessed from the automotive industry.

These key attributes are brought together in our bicycle product design team for the creation of world class products.

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.

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 |

















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.

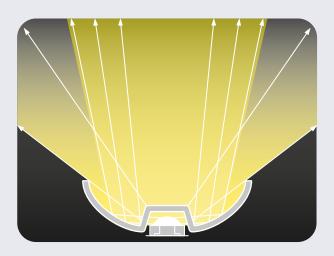
ATIR Series

ATIR

ATIR (Advanced total internal reflection) technology is latest innovation using for automotive lighting. It is a compound lens that combines the best of both a reflector and a lens to maximize the beam shaping capabilities.

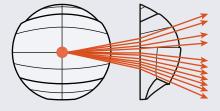
Features:

- Design for wider illumination
- High lumens and lux
- Uniform lighting distribution
- Compact in size
- Higher weather resistant capability
- Longer product lifecycle service



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.

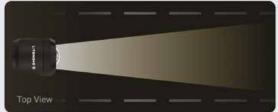


MT[®]

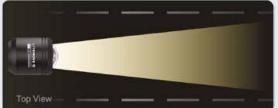
The aspheric lens is produced with precise plastic moulding, polishing single-point diamond turning, and injection moulding.

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.









MT

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.

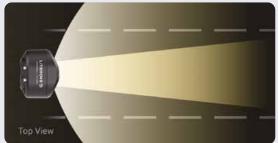
MT

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

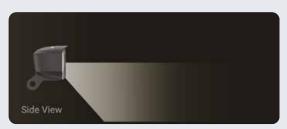
The dual light (high & low-beam) option is also included to provide advanced and incredible visibility for safety. These features give users the best riding experience while letting them feel responsive in wide and bright visibility in any environment, especially at night.

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:

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.



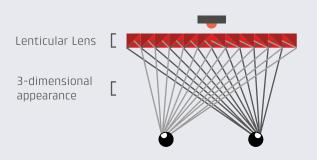


LTi Series



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.





Lux: Light output



Electrically Power Assisted Cycle (EPAC)- 25km



Speed Pedelec- 45km



Input voltage range



Complies with EU/ECE Regulations



Complies with German Road Traffic Licensing Regulations



Side visibility from all sides



Aluminum housing material



Thermal conductive material for better heat flow



Ingress Protection rating that classifies the degrees of protection



Dual-light function: High & low-beam



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.



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.



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.



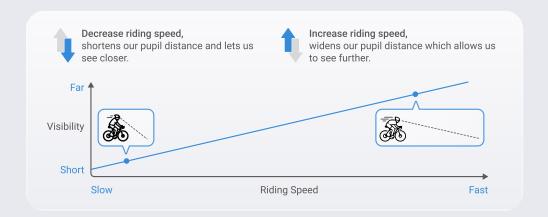
Automatic emergency brake light is a feature that can sense slow or stopped traffic ahead and urgently apply the brakes if the driver fails to respond. Warns the rider/driver of a hard braking event in front, even when the driver's view is obstructed by other vehicles or bad weather conditions. In addition,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

Optical Safety Ideology

We care about your safety. Whether it's the environment or the speed of our ride, it all affects out 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 cyclsists' visibility and safety from incoming passengers at all time.



Importance of Having Proper Lights on

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





Suggested Lights to Use in Certain Scenario



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



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



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



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

10 Optical Safety





E-Bike Headlight Overview

	AEW-230	SEW-170	AC-210	AC-150	SC-150	SEC-110
Brightness	170 / 230 Lux	170 Lux	140 / 210 Lux	90 / 150 Lux	150 Lux	110 Lux
Beam Type	Low / High (Wide)	Low (Wide)	Low / High	Low / High	Low	Low
Beam Width @5M	10m	10m	5.5m / 6m	4m / 4.5m	7.5m	5.5m
Beam Width @10M	10m	10m	10m / 10.5m	7m / 8m	12m	10m
Visbility Distance	300m	250m	300m	230m	250m	210m
			Rider Ex	perience		
Novic Riders	•	•			•	•
Experience Riders	•	•	•	•	•	•
			Rider Ex	perience		
Daytime! Sunrise	•	•	•	•	•	•
Nighttime/ Sunset	•	•	•	•	•	•
Fog/ Rain/ Snow	•	•			•	•
			Rider Ex	perience		
City/ Urban Area	•	•	•	•		
Rural Area	•	•	•	•	•	•
Mountain Trails	•	•				

	SE-90/ SE-90A	SE-70	RX-E90	RX-E50	AE-260	AE-200
Brightness	90 Lux	70 Lux	50 / 90 Lux	50 Lux	650 / 680 Lumens	170 / 200 Lux
Beam Type	Low	Low	Low / High	Low	Low / High	Low / High
Beam Width @5M	4.5m	4.5m	4m / 4.5m	4m	4.5m	4m
Beam Width @10M	8.5m	8m	8m	8m	8.5m	8m
Visbility Distance	180m	160m	180m	120m	325m	280m
			Rider Ex	perience		
Novic Riders	•	•		•		
Experience Riders			•		•	•
			Rider Ex	perience		
Daytime/ Sunrise	•	•	•	•	•	•
Nighttime/ Sunset	•	•	•	•	•	•
Fog/ Rain/ Snow	•	•		•		
			Rider Ex	perience		
City/ Urban Area	•	•		•		
Rural Area			•		•	•
Mountain Trails						

AEW-230



Performance Wide Beam Designed for MTB riding

- 230 lux/ 950 lumen highly efficient LED lights, 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
- IP56- Protects against high pressure water or dust ingress
- Aluminum Pre Casting & CNC housing
- For 25km e-bike / EPAC
- K-Mark & EN-15194-CE compliance









































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 : 1400 mm 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	RoHS / CE / Prop 65
Type of approval	StVZO-K / ISO 6742
Approval number	~ K 1973

SEW-170



- 170 lux highly efficient led lights, with cut-off line beam preventing oncoming eyes from glare
- 10m wide and up to 250m distance of beam visibility ahead
- IP56- Protects against high pressure water or dust ingress
- Aluminum CNC housing
- For 25km e-bike / EPAC
- K-Mark & EN-15194-CE compliance



















Model name	SEW-170
Model no.	HKSEW170
S/N	E10
Light output	170 lux / 550 lumens
Optical technology	MTi Pro
Light source	LED*2
Input voltage (DC)	12V (9V - 16V)
Power consumption	7.3W
Cable diameter	Ø 4mm
Cable length	1400 mm
IP rating	IP56
Operating temperature (°C)	-25 ~ +70
Material	Aluminum
Weight (w/o cable)	120g
Dimension (WXHXL)	Ø 46 x 45.8 mm
Switch bracket / mount	N/A
Reflector (optional)	RFD
Compliance	RoHS / CE / Prop 65
Type of approval	StVZO-K / ISO 6742
Approval number	~ K 1973





AC-210 | AC-150

AC-210

- Use new MTi Plus system, which includes dual-beam option (high/low-beam)
- 10.5m wide and up to 300m distance of beam visibility ahead
- Up to 210 lux
- 10.5-16V with a power consumption up to 16 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 25km e-bike / EPAC
- K-Mark & EN-15194-CE compliance

AC-150

- Use MTi Plus system, which includes dual-beam option (high/low-beam)
- 8m wide and up to 230m distance of beam visibility ahead
- Up to 150 lux
- 6 ~ 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 25km e-bike / EPAC
- K-Mark & EN-15194-CE compliance

































Model name	AC-210	AC-150
Model no.	AC210D / AC210S / AC210U	AC150D / AC150S / AC150U
S/N	0015	0023
Light output	High beam : 210 lux Low beam : 140 lux	High beam :150 lux Low beam : 90 lux
Optical technology	MTi Plus	MTi Plus
Light source	LED *2	LED *4
Input voltage (DC)	12V (10.5V - 16V)	12V (6V - 16V)
Power consumption	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
Cable length	Power : 1400 mm Switch : 300mm / 650mm	Power : 1400 mm Switch : 300mm / 650mm
IP rating	IP56	IP56
Operating temperature (°C)	-25 ~ +50	-25 ~ +70
Material	Aluminum	Aluminum
Weight (w/o cable)	128ģ	128g
Dimension (WXHXL)	Ø 46 x 52 mm	Ø 46 x 52 mm
Switch bracket / mount	Ø 22.2mm	Ø 22.2mm
Reflector (optional)	RF1 / RFD	RF1 / RFD
Compliance	RoHS / CE / Prop 65	RoHS / CE / Prop 65
Type of approval	StVZO-K / ISO 6742	StVZO-K / ISO 6742
Approval number	~ K 2388	~ K 1837

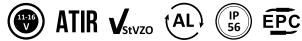
SC-150



- Apply with the most modern ATIR optical technology
- 12m wide and up to 250m distance of beam visibility ahead
- 150 lux high brightness and 800 lumens output
- 11V-16V with a power consumption of 14 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













Model name	SC-150
Model no.	SC150D/SC150S/SC150U
S/N	0020
Light output	150 lux/ 800 lumens
Optical technology	ATIR
Light source	LED *1
Input voltage (DC)	12V (11V - 16V)
Power consumption	14W
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
Reflector (optional)	RF1 / RFD
Compliance	RoHS / CE / Prop 65
Type of approval	StVZO-K / ISO 6742
Approval number	





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
- 7.5V~16V with a power consumption of 7.8 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















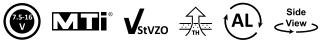


























Model name	SEC-110
Model no.	SEC110D/SEC110S/SEC110U
S/N	0019
Light output	110 lux
Optical technology	MTi
Light source	LED *2
Input voltage (DC)	12V (7.5V - 16V)
Power consumption	7.8W
Cable diameter	Ø 4mm
Cable length	1400mm
IP rating	IP56
Operating temperature (°C)	-25 ~ +50
Material	Aluminum / Plastic
Weight (w/o cable)	85g
Dimension (WXHXL)	Ø 43.5 x 46.9 mm
Reflector (optional)	RF1 / RFD
Compliance	RoHS / CE / Prop 65
Type of approval	StVZO-K / ISO 6742
Approval number	~ K 2380

SE-90 | SE-90A

SE-90

- 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

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- Protest against high pressure water or dust ingress
- For 25km e-bike / EPAC
- K-Mark and EN-15194 CE compliance





















Model name	SE-90	SE-90A
Model no.	SE90D/SE90U	SE90AD
S/N	0021	0024
Light output	90 lux	Standard: 90 lux Day Light: 30 lux
Optical technology	MTi	MTi
Light source	LED *1	LED *1
Input voltage (DC)	6V (5V - 16V)	6V (5V - 16V)
Power consumption	5W	Standard: 5W Day Light: 1.5W
Cable diameter	Ø 4mm	Ø 4mm
Cable length	1400mm	1400mm
IP rating	IP56	IP56
Operating temperature (°C)	-25 ~ +50	-25 ~ +50
Material	Plastic	Plastic
Weight (w/o cable)	66g	67g
Dimension (WXHXL)	Ø 43.5 x 49 mm	Ø 43.5 x 49 mm
Reflector (optional)	RF1	RF1
Compliance	RoHS / CE / Prop 65	RoHS / CE / Prop 66
Type of approval	StVZO-K	StVZO-K / ISO 6742
Approval number	~ K2379	~ K 2379







SE-70





- Highly efficient led lights, with cut-off line beam preventing oncoming eyes from glare
- Up to 8m wide and up to 160m distance of beam visibility ahead
- 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

























Model name	SE-70
Model no.	SE70D/SE70U
S/N	0018
Light output	70 lux
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
Reflector (optional)	RF1
Compliance	RoHS / CE / Prop 65
Type of approval	StVZO-K / ISO 6742
Approval number	- K 2379

RX-E90 | RX-E50



- 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























Model name	RX-E90	RX-E50
Model no.	RXE90	RXE50
S/N	RX02	RX01
Light output	High beam : 90 lux Low beam : 50 lux	50 lux
Optical technology	RX Plus	RX
Light source	LED*2	LED*1
Input voltage (DC)	6V (5V - 16V)	6V (5V - 16V)
Power consumption	High beam : 5.8W max. Low beam : 2.9W	2.5W
Cable diameter	Power : Ø 4mm Switch : Ø 2.55mm	Ø 4mm
Cable length	Power : 1400 mm Switch : 300mm / 650mm	Power : 1400 mm
IP rating	IP56	IP56
Operating temperature (°C)	-25 ~ +70	-25 ~ +50
Material	Aluminum	Plastic
Weight (w/o cable)	37.5g	18.5g
Dimension (WXHXL)	39.2 x 52.6 x 48.8 mm	39.2 x 52.6 x 48.8 mm
Switch bracket / mount	Ø 22.2mm	n/a
Reflector (optional)	RFD	RFDT
Compliance	RoHS / CE / Prop 65	RoHS / CE / Prop 65
Type of approval	StVZO-K	StVZO-K / ISO 6742
Approval number	~ K 2047	~ K 2047



45km Speed Pedelec



- A auxiliary headlight with uniform lighting distribution
- Up to 8.5m wide and up to 325m distance of beam visibility ahead
- High (driving beam): 680 lumens / Low (passing beam): 600 lumens
- 12V (11V-16V)
- For L1e/L2e/L3e/L4e/L5e
- UNECE-R113 Class-C (E-Mark)
- Compliant with CE/ ROHS/ REACH





























Model name	AE-260
Model no.	
S/N	
Light output	High beam (Driving beam) : 680 lumens Low beam (Passing beam) : 650 lumens
Optical technology	MTi Plus
Light source	LED*1
Input voltage (DC)	12V (11V - 16V)
Power consumption	High beam : 17W Low beam : 17W
Cable diameter	Power : Ø 4mm
Cable length	250mm with connector
IP rating	IP67
Operating temperature (°C)	-25 - +70
Material	Aluminum
Weight (w/o cable)	106g
Dimension (WXHXL)	Ø 43.5 x 51mm
Compliance	
Type of approval	UNECE R113 Class-C
Approval number	

45km Speed Pedelec

AE-200



- 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



















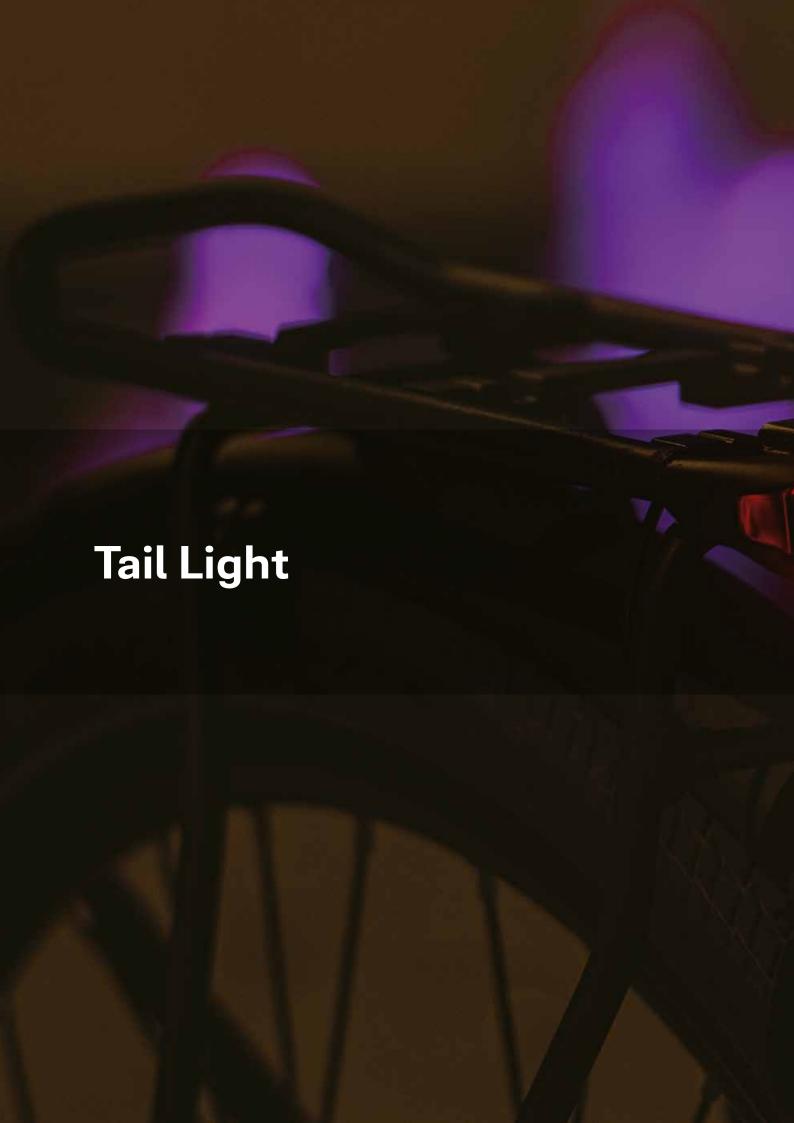




Model name	AE-200
Model no.	HEAE200D / HEAE200U/ HEAE200R
S/N	AE200
Light output	High beam (Driving beam) : 600 lumens Low beam (Passing beam) : 500 lumens
Optical technology	MTi Plus
Light source	LED *4
Input voltage (DC)	12V (9V - 16V)
Power consumption	High beam : 13W max. Low beam : 9.6W
Cable diameter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









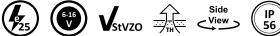
TX-301



- A tail light with sensor brake and SOS light function (auxiliary retro-reflector available)
- 6-16V with a power consumption of max.1.5 Watt.
- Integrated design to mount with bike's cargo rack (Compatible with MIK system)
- Plug-in cable designed for easy installment and maintenance
- Auxiliary slide-in retro-reflector
- 240 degree wide visibility
- StVZO K-Mark
- For EPAC 25km

















Model name	TX3
Model no.	TX301
S/N	0014
Light output	Brake light : 80000mcd Rear light : 2600mcd
Optical technology	TX3
Light source	LED*48
Input voltage (DC)	12V (6V - 16V)
Power consumption	Brake light : 1.5W Emergency light : 1.5W Rear light : 0.6W
Cable diameter	Ø 3mm
Cable length	1400mm
IP rating	IP56
Operating temperature (°C)	-25 ~ +50
Material	Plastic
Weight (w/o cable)	36g
Dimension (WXHXL)	124.4 x 20.4 x 16.8 mm
Mounting option	TX rack
Reflector (optional)	RF2
Compliance	RoHS / CE / Prop 65
Type of approval	StVZO-K / ISO 6742
Approval number	

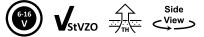
TX-302



- A standard tail light (auxiliary retro-reflector available)
- 6-16V with a power consumption of 0.6 Watt.
- Integrated design to mount with bike's cargo rack (Compatible with MIK system)
- Plug-in cable designed for easy installment and maintenance
- Auxiliary slide-in retro-reflector
- 240-degree wide visibility
- StVZO K-Mark
- For EPAC 25km





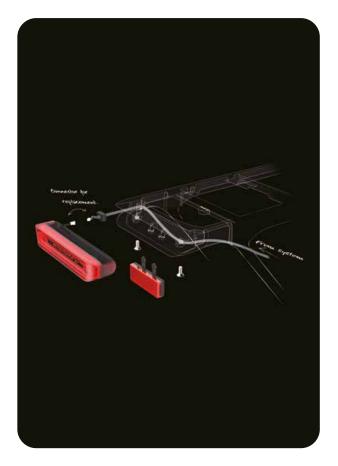








Model name	TX3
Model no.	TX302
S/N	0014-1
Light output	2500mcd
Optical technology	TX3
Light source	LED*46
Input voltage (DC)	12V (6V - 16V)
Power consumption	0.6W
Cable diameter	Ø 3mm
Cable length	1400mm
IP rating	IP56
Operating temperature (°C)	-25 ~ +50
Material	Plastic
Weight (w/o cable)	36g
Dimension (WXHXL)	124.4 x 20.4 x 16.8 mm
Mounting option	TX rack
Reflector (optional)	RF2
Compliance	RoHS / CE / Prop 65
Type of approval	StVZO-K / ISO 6742
Approval number	





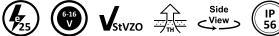


TA-KS | TA-KA

- Carrier integrated rear light with 45000 mcd highly efficient output (TA-KA)
- 240-degree wide visibility
- Includes red LED brake light (TA-KA)
- Chamfered edges to prevent damage on side
- Designed for bicycle's rear carriers (50mm & 80mm)
- IP56- Protects against high pressure water or dust ingress
- For 25km e-bike / EPAC
- K-Mark & EN-15194-CE compliance













Model name	TA-KS	TA-KA
Model no.	TKSCE	TKACE
S/N	B05	B06
Light output	7200mcd	Brake light : 45000mcd Rear light : 8000mcd
Optical technology	LTi	LTi
Light source	LED*1	LED*2
Input voltage (DC)	12V (6V - 16V)	12V (6V - 16V)
Power consumption	0.5W	Brake light : 4.3W Rear light : 0.5W
Cable diameter	Ø 3mm / 1-2 pins	Ø 3mm / 1-3 pins
Cable length	1400mm	1700mm
IP rating	IP56	IP56
Operating temperature (°C)	-25 ~ +70	-25 ~ +70
Material	Plastic	Plastic
Weight (w/o cable)	33g	31g
Dimension (WXHXL)	125 x 13.5 x 21 mm	125 x 13.5 x 21 mm
Mounting option	50mm & 80mm rack holder	50mm & 80mm rack holder
Reflector (optional)	N/A	N/A
Compliance	RoHS / CE / Prop 65	RoHS / CE / Prop 65
Type of approval	StVZO-K / ISO 6742	StVZO-K / ISO 6742
Approval number	~ K 1930	~ K 1929



TS-SP



Available for Ø 27.2 | 30.9 | 31.6mm seat posts

- 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 & EN-15194-CE compliance















Model name	TS-SP
Model no.	TKSESP1-316 TKSESP1-272
S/N	B03
Light output	7200mcd
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	RoHS / CE / Prop 65
Type of approval	StVZ0-K / ISO 6742
Approval number	~ K 1693

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 & EN-15194-CE compliance













Model name	TS-RK
Model no.	TKSE-RR800 TKSE-RR500
S/N	B01(RR500) / B02(RR800)
Light output	7200mcd
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	RoHS / CE / Prop 65
Type of approval	StVZO-K / ISO 6742
Approval number	~ K 1693



TS-FD



- 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 & EN-15194-CE compliance















Model name	TS-FD
Model no.	TKSEFD
S/N	B03
Light output	7200mcd
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	RoHS / CE / Prop 65
Type of approval	StVZO-K / ISO 6742
Approval number	~ K 1693

TL-FD



- 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	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	1400 mm
IP rating	IP56
Operating temperature (°C)	-25~+50
Material	Plastic
Weight (w/o cable)	11g
Dimension (WXHXL)	16.3 x 89.6 x 12.9 mm (w/o bracket)
Mounting option	Bicycle fender
Compliance	RoHS / CE / Prop 65
Type of approval	StVZO-K / ISO 6742
Approval number	~ K 2149



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TL Visibility Lights



up to 40 lumens and 75 hours run-time

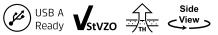
- Super efficient brigtness and run-time
- Different light modes with memory function for various scenarios of riding.
- Built-in USB charge cord.
- Quick mounting system.
- Multiple mounting options: vertical or horizontal on backpacks, messenger bags, or bicycle parts (fork, handlebar, seat post carrier, etc.).
- K-Mark / CE / ROHS compliance























	ı	ı	1
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 : 20 lumens Standard : 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: 5 hours Strobe: 15 hours Flash: 55 hours Eco: 55 hours	High: 4 hours Standard: 7 hours Strobe: 19 hours Flash: 75 hours Eco: 70 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 (w/o bracket)	15.5 x 74.3 x 18mm (w/o bracket)	15.5 x 74.3 x18 mm (w/o bracket)
Mounting option			
Compliance	RoHS / CE / Prop 65	RoHS / CE / Prop 65	RoHS / CE / Prop 65
Type of approval			StVZO-K / ISO 6742
Approval number			~ K 2149

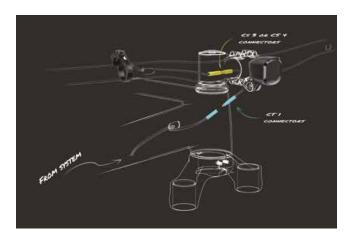
FE Cable Solutions

- 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 ...









FE CABLE

38 FE Cable Solutions



for Headlights

Handlebar Bracket



mount: Ø31.8 & 35mm / side

Material: Plastic SKU No: PHB31850b



mount: Ø31.8 & 35mm / universal

Material: Plastic SKU No: PHBU31850b

Fork Mount



2 axles fork mount

Material: Aluminum SKU No: FK2Ab



Universal fork mount

Material: Plastic SKU No: FKPLb



Suntour NEX-E, NEX, CR8

Material: Plastic SKU No: STU-1b



Suntour NCX-E

Material: Plastic SKU No: STU-2b

GoPro Solutions



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

Material: Plastic SKU No: STU-3b



Suntour SF20-NEX-E25

Material: Plastic SKU No: STU-4b



FOX AWL

Material: Plastic SKU No: STU-5b



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

Material: Plastic SKU No: GO-B01b

Adapter



Stem (face cap) adapter

Material: Plastic SKU No: AP1b



Headlight rear adapter/ space 9.4mm (GoPro compatible)

Material: Plastic SKU No: AP2b



Headlight rear adapter (eccentric)/ space 10mm

Material: Plastic SKU No: AP2Ab



Front fender adapter

Material: Plastic SKU No: AP3b

40 Accessories

for Tail lights

Seat Post Mount



mount: Ø 27.2mm

Material: Plastic SKU No: SP1-272b



mount: Ø 31.6 & 30.9mm

Material: Plastic SKU No: SP1-316b

Fender Mount



Rear fender adapter

Material: Plastic SKU No: FD-CNTb

Seat Stay & Seat Post



SY bracket / mount: seat stay & seat post

Material: Plastic SKU No: SY1b

Others

Reflector



K-reflector (front)

Material: Plastic SKU No: RF1b



K-reflector + adapter (w/machine screw)

Material: Plastic SKU No: RFDb



K-reflector + adapter (w/self-tapping screw)

Material: Plastic Item No: RFDTb



Z-reflector (rear)

Material: Plastic SKU No: RF2b

Accessories 41



Specifications Overview

Headlights

Model name	AEW-230	SEW-170	AC-210	AC-150
Model no.	HKAEW230	HKSEW170	AC210D / AC210S / AC210U	AC150D / AC150S / AC150U
S/N	E10	E10	0015	0023
Light output	High beam: 230 lux / 950 lumens Low beam: 170 lux / 550 lumens	170 lux / 550 lumens	High beam: 210 lux Low beam: 140 lux	High beam: 150 lux Low beam: 90 lux
Optical technology	MTi Pro	MTi Pro	MTi Plus	MTi Plus
Light source	LED*4	LED*2	LED *2	LED *4
Input voltage (DC)	12V (9V - 16V)	12V (9V - 16V)	12V (10.5V - 16V)	12V (6V - 16V)
Power consumption	High beam: 15W max. Low beam: 7.3W	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	Ø 4mm	Power: Ø 4mm Switch: Ø 2.55mm	Power: Ø 4mm Switch: Ø 2.55mm
Cable length	Power: 1400 mm Switch: 300mm	1400 mm	Power: 1400 mm Switch: 300mm / 650mm	Power: 1400 mm Switch: 300mm / 650mm
IP rating	IP56	IP56	IP56	IP56
Operating temperature (°C)	-25 ~ +70	-25 ~ +70	-25 ~ +50	-25 ~ +70
Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight (w/o cable)	165g	120g	128g	128g
Dimension (WXHXL)	63.1 x 49.9 x 52 mm	Ø 46 x 45.8 mm	Ø 46 x 52 mm	Ø 46 x 52 mm
Switch bracket / mount	Ø 22.2mm	N/A	Ø 22.2mm	Ø 22.2mm
Reflector (optional)	RFD	RFD	RF1 / RFD	RF1 / RFD
Compliance	RoHS / CE / Prop 65	RoHS / CE / Prop 65	RoHS / CE / Prop 65	RoHS / CE / Prop 65
Type of approval	StVZO-K / ISO 6742	StVZO-K / ISO 6742	StVZO-K / ISO 6742	StVZO-K / ISO 6742
Approval number	~ К 1973	~ K 1973	~ K 2388	~ K 1837

Model name	SC-150	SEC-110	SE-90	SE-90A
Model no.	SC150D/SC150S/SC150U	SEC110D/SEC110S/SEC110U	SE90D/SE90U	SE90AD
S/N	0020	0019	0021	0024
Light output	150 lux/ 800 lumens	110 lux	90 lux	Standard: 90 lux Day Light: 30 lux
Optical technology	ATIR	MTi	MTi	MTi
Light source	LED *1	LED *2	LED *1	LED *1
Input voltage (DC)	12V (11V - 16V)	12V (7.5V - 16V)	6V (5V - 16V)	6V (5V - 16V)
Power consumption	14W	7.8W	5W	Standard: 5W Day Light: 1.5W
Cable diameter	Ø 4mm	Ø 4mm	Ø 4mm	Ø 4mm
Cable length	1400mm	1400mm	1400mm	1400mm
IP rating	IP56	IP56	IP56	IP56
Operating temperature (°C)	-25 ~ +50	-25 ~ +50	-25 ~ +50	-25 ~ +50
Material	Aluminum	Aluminum / Plastic	Plastic	Plastic
Weight (w/o cable)	115g	85g	66g	67g
Dimension (WXHXL)	Ø 46 x 40.8 mm	Ø 43.5 x 46.9 mm	Ø 43.5 x 49 mm	Ø 43.5 x 49 mm
Reflector (optional)	RF1 / RFD	RF1 / RFD	RF1	RF1
Compliance	RoHS / CE / Prop 65	RoHS / CE / Prop 65	RoHS / CE / Prop 65	RoHS / CE / Prop 66
Type of approval	StVZO-K / ISO 6742	StVZO-K / ISO 6742	StVZO-K / ISO 6742	StVZO-K / ISO 6742
Approval number		~ К 2380	~ K 2379	~ K 2379

Headlights

Model name	SE-70	RX-E90	RX-E50
Model no.	SE70D/SE70U	RXE90	RXE50
S/N	0018	RX02	RX01
Light output	70 lux	High beam : 90 lux Low beam : 50 lux	50 lux
Optical technology	MTi	RX Plus	RX
Light source	LED *1	LED*2	LED*1
Input voltage (DC)	6V (5V - 16V)	6V (5V ~ 16V)	6V (5V ~ 16V)
Power consumption	4W	High beam: 5.8W max. Low beam: 2.9W	2.5W
Cable diameter	Ø 4mm	Power: Ø 4mm Switch: Ø 2.55mm	Ø 4mm
Cable length	1400mm	Power: 1400 mm Switch: 300mm / 650mm	Power: 1400 mm
IP rating	IP56	IP56	IP56
Operating temperature (°C)	-25 ~ +50	-25 ~ +70	-25 ~ +50
Material	Plastic	Aluminum	Plastic
Weight (w/o cable)	66g	37.5g	18.5g
Dimension (WXHXL)	Ø 43.5 x 49 mm	39.2 x 52.6 x 48.8 mm	39.2 x 52.6 x 48.8 mm
Switch bracket / mount	n/a	Ø 22.2mm	n/a
Reflector (optional)	RF1	RFD	RFDT
Compliance	RoHS / CE / Prop 65	RoHS / CE / Prop 65	RoHS / CE / Prop 65
Type of approval	StVZO-K / ISO 6742	StVZO-K / ISO 6742	StVZO-K / ISO 6742
Approval number	~ K 2379	~ K 2047	~ K 2047

Model name	AE-260	AE-200
Model no.		HEAE200D / HEAE200U/ HEAE200R
S/N		AE200
Light output	High beam (Driving beam): 680 lumens Low beam (Passing beam): 650 lumens	High beam (Driving beam): 600 lumens Low beam (Passing beam): 500 lumens
Optical technology	MTi Plus	MTi Plus
Light source	LED*1	LED *4
Input voltage (DC)	12V (11V - 16V)	12V (9V - 16V)
Power consumption	High beam: 17W Low beam: 17W	High beam: 13W max. Low beam: 9.6W
Cable diameter	Power : Ø 4mm	Power: Ø 4mm Switch: Ø 2.55mm
Cable length	250mm with connector	Power: 1400 mm Switch: 300mm / 650mm
IP rating	IP67	IP56
Operating temperature (°C)	-25 ~ +70	-25 ~ +70
Material	Aluminum	Aluminum
Weight (w/o cable)	106g	120g
Dimension (WXHXL)	Ø 43.5 x 51mm	Ø 46 x 59.5mm
Switch bracket / mount		Ø 22.2mm
Reflector (optional)		RF1 / RFD
Compliance		RoHS / CE / Prop 65
Type of approval	UNECE R113 Class-C	UNECE R113 Class-B
Approval number		E9 16897

Taillight

Model no. T3301 T3302 TKSCE TKKCE TKKCE						
Eight output Rear light: -8000mcd 2500mcd 7200mcd Rear light: 4500mcd Rear light: 2600mcd 733 73 T3 T3 T1 T1 T1 T1 T1 T	Model no.	TX301	TX302		TKSCE	TKACE
Provided Provided	S/N	0014	0014-1		B05	B06
Compliance Com	Light output		2500mcc	j	7200mcd	
Imput voltage (DC)	Optical technology		TX3		LTi	-
Prower consumption Brake light: 1.5W Emergency light: 1.5W Rear light: 0.5W Rear light: 0.5W	Light source	LED*48	LED*46		LED*1	LED*2
Power consumption Remergency (pith: 1.5W Rem light: 0.5W R	Input voltage (DC)	12V (6V - 16V)	12V (6V	- 16V)	12V (6V - 16V)	12V (6V - 16V)
Cable length 1400mm 1400mm 1400mm 1700mm 1700	Power consumption	Emergency light : 1.5W	0.6W		0.5W	
IP56	Cable diameter	Ø 3mm	Ø 3mm		Ø 3mm / 1-2 pins	Ø 3mm / 1-3 pins
Operating temperature (*C) 25 - +50 -25 - +50 -25 - +70 -25 - +70 Material Plastic Plastic Plastic Plastic Weight (w/o cable) 36g 36g 33g 31g Dimension (WXHXL) 124.4 x 20.4 x 16.8 mm 124.4 x 20.4 x 16.8 mm 125 x 13.5 x 21 mm 125 x 13.5 x 21 mm Mounting option TX3 rack 50mm & 80mm rack holder 50mm & 80mm rack holder 50mm & 80mm rack holder Mounting option TX3 rack 50mm & 80mm rack holder 50mm & 80mm rack holder Reflector (optional) RF2 RF2 N/A N/A Compliance RoH5 / CE / Prop 65	Cable length	1400mm	1400mm	1	1400mm	1700mm
Material Plastic Plastic Plastic Plastic Weight (w/o cable) 36g 36g 33g 31g Dimension (WXHXL) 124.4 x 20.4 x 16.8 mm 125 x 13.5 x 21 mm 125 x 13.5 x 21 mm 125 x 13.5 x 21 mm Mounting option TX3 rack TX3 rack 50mm & 80mm rack holder 50mm & 80mm rack holder Reflector (optional) RF2 RF2 N/A N/A Compliance RoHS / CE / Prop 65 Type of approval Stv20-K / ISO 6742 Stv20-K /	IP rating	IP56	IP56		IP56	IP56
Weight (w/o cable) 36g 36g 33g 31g Dimension (WXHXL) 124.4 x 20.4 x 16.8 mm 125 x 13.5 x 21 mm 126 x 12 mm 127	Operating temperature (°C)	-25 ~ +50	-25 ~ +5	0	-25 ~ +70	-25 ~ +70
Dimension (WXHXL) 124.4 x 20.4 x 16.8 mm 124.4 x 20.4 x 16.8 mm 125 x 13.5 x 21 mm 125 x 13.5 x 1	Material	Plastic	Plastic		Plastic	Plastic
Mounting option TX3 rack TX3 rack 50mm & 80mm rack holder 50mm & 80mm rack holder Reflector (optional) RF2 RF2 N/A N/A N/A Compliance R6H5 / CE / Prop 65 RF5 / CE / Prop 65 RF5 / CE / Prop 65 </td <td>Weight (w/o cable)</td> <td>36g</td> <td>36g</td> <td></td> <td>33g</td> <td>31g</td>	Weight (w/o cable)	36g	36g		33g	31g
Reflector (optional) RF2 RF2 N/A N/A Compliance RoHS / CE / Prop 65 ROHS	Dimension (WXHXL)	124.4 x 20.4 x 16.8 mm	124.4 x 2	20.4 x 16.8 mm	125 x 13.5 x 21 mm	125 x 13.5 x 21 mm
Compliance RoHS / CE / Prop 65 StVZO-K / ISO 6742 TL-FD Model name TS-FD TS-FD TS-FD TLFD TS-FD TS-FD TLFD TS-FD TLFD	Mounting option	TX3 rack	TX3 rack	:	50mm & 80mm rack holder	50mm & 80mm rack holder
Type of approval StVZO-K / ISO 6742 StVZO-K / ISO 674 StVZO-K /	Reflector (optional)	RF2 RF2			N/A	N/A
Approval number	Compliance	RoHS / CE / Prop 65	RoHS / C	E / Prop 65	RoHS / CE / Prop 65	RoHS / CE / Prop 65
Model name TS-SP TS-FD TS-RK TL-FD Model no. TKSESP1-316 TKSESP1-272 TKSEFD TKSE-RR800 TKSE-RR500 TLFD S/N B03 B03 B01(RR500) / B02(RR800) 0005 Light output 7200mcd 7200mcd 7200mcd 20 lumens Optical technology LTi LTi LTi LTi LTi LED *4 LED *4 LED*16 (Red) Input voltage (DC) 6V (5V - 16V) Power consumption 0.6W 0.6W 0.6W 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 ~ +70 -25 ~ +70 -25 ~ +50	Type of approval	StVZO-K / ISO 6742	StVZO-K	/ ISO 6742	StVZ0-K / ISO 6742	StVZO-K / ISO 6742
Model no. TKSESP1-316 TKSESP1-272 TKSEFD TKSE-RR800 TKSE-RR500 TLFD S/N B03 B01(RR500) / B02(RR800) 0005 Light output 7200mcd 7200mcd 20 lumens Optical technology LTi LTi LTi LT-K Light source LED *4 LED *4 LED *4 LED*16 (Red) Input voltage (DC) 6V (5V - 16V) 6V (5V - 16V) 6V (5V - 16V) 6V (5V - 16V) Power consumption 0.6W 0.6W 0.6W 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 - +70 -25 - +70 -25 - +50	Approval number				~ K 1930	~ K 1929
Model No. TKSESP1-272 TKSEFD TKSE-RR500 TLFD S/N B03 B03 B01(RR500) / B02(RR800) 0005 Light output 7200mcd 7200mcd 20 lumens Optical technology LTi LTi LTi LTi LTi TL-K Light source LED *4 LED *4 LED *4 LED *16 (Red) 6V (5V - 16V) 6V (5V - 16V) <td>Model name</td> <td>TS-SP</td> <td></td> <td>TS-FD</td> <td>TS-RK</td> <td>TL-FD</td>	Model name	TS-SP		TS-FD	TS-RK	TL-FD
Light output 7200mcd 7200mcd 20 lumens Optical technology LTi LTi LTi LTi Light source LED *4 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 ~ +70 -25 ~ +50	Model no.			TKSEFD		TLFD
Optical technology LTi LTi LTi TL-K Light source LED *4 LED *4 LED *4 LED *16 (Red) Input voltage (DC) 6V (5V - 16V) 6V (5V - 16V) 6V (5V - 16V) 6V (5V - 16V) Power consumption 0.6W 0.6W 0.6W 0.6W Cable diameter Ø 3mm Ø 3mm Ø 3mm Ø 3mm Cable length 1400mm 1400mm 1400mm 1400mm IP rating IP56 IP56 IP56 Operating temperature (°C) -25 ~ +70 -25 ~ +70 -25 ~ +70 -25 ~ +50	S/N	B03		B03	B01(RR500) / B02(RR800)	0005
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	Light output	7200mcd		7200mcd	7200mcd	20 lumens
Input voltage (DC) 6V (5V - 16V) 6V (5V - 16V) 6V (5V - 16V) 6V (5V - 16V) Power consumption 0.6W 0.6W 0.6W 0.6W Cable diameter Ø 3mm Ø 3mm Ø 3mm Ø 3mm Cable length 1400mm 1400mm 1400mm 1400 mm IP rating IP56 IP56 IP56 IP56 Operating temperature (°C) -25 - +70 -25 - +70 -25 - +50	Optical technology	LTi		LTi	LTi	TL-K
Power consumption 0.6W 0.6W 0.6W 0.6W Cable diameter Ø 3mm Ø 3mm Ø 3mm Ø 3mm Cable length 1400mm 1400mm 1400mm 1400 mm IP rating IP56 IP56 IP56 IP56 Operating temperature (°C) -25 ~ +70 -25 ~ +70 -25 ~ +50	Light source	LED *4		LED *4	LED *4	LED*16 (Red)
Cable diameter Ø 3mm Ø 3mm Ø 3mm Ø 3mm Cable length 1400mm 1400mm 1400mm 1400 mm IP rating IP56 IP56 IP56 IP56 Operating temperature (°C) -25 ~ +70 -25 ~ +70 -25 ~ +50	Input voltage (DC)	6V (5V - 16V)		6V (5V - 16V)	6V (5V - 16V)	6V (5V - 16V)
Cable length 1400mm 1400mm 1400mm 1400 mm IP rating IP56 IP56 IP56 IP56 Operating temperature (°C) -25 - +70 -25 - +70 -25 - +70 -25 - +50	Power consumption	0.6W		0.6W	0.6W	0.6W
IP rating IP56 IP56 IP56 Operating temperature (°C) -25 ~ +70 -25 ~ +70 -25 ~ +70	Cable diameter	Ø 3mm		Ø 3mm	Ø 3mm	Ø 3mm
Operating temperature (°C) -25 ~ +70 -25 ~ +70 -25 ~ +70 -25 ~ +70	Cable length	1400mm		1400mm	1400mm	1400 mm
	IP rating	IP56		IP56	IP56	IP56
	Operating temperature (°C)	-25 ~ +70		-25 ~ +70	-25 ~ +70	-25~+50
Material Plastic Plastic Plastic Plastic	Material	Plastic		Plastic	Plastic	Plastic
Weight (w/o cable) 18g (w/o bracket) 18g (w/o adapter) TKSE-RR800: 23g TKSE-RR500: 20g 11g	Weight (w/o cable)	18g (w/o bracket)		18g (w/o adapter)		11g
Dimension (WXHXL) 38 x 18 x 24 mm (w/o bracket) 38 x 18 x 24 mm (w/o adapter) TKSE-RR800: 96 x 18 x17 mm (w/o bracket) 16.3 x 89.6 x 12.9 mm (w/o bracket) (w/o adapter) (w/o bracket)	Dimension (WXHXL)	38 x 18 x 24 mm (w/o bracket)			TKSE-RR800: 96 x 18 x17 mm	
Mounting option TKSESP1-316: Ø 31.6 & 30.9mm seat post TKSESP1- 272: Ø 27.2mm seat post TKSE-RR800: 80mm rack holder TKSE-RR500: 50mm rack holder	Mounting option	·			TKSE-RR800: 80mm rack holde	r Bicycle fender
Reflector (optional) N/A N/A RF2	Reflector (optional)	·	-	N/A		
Compliance RoHS / CE / Prop 65	Compliance	RoHS / CE / Prop 65		RoHS / CE / Prop 65	RoHS / CE / Prop 65	RoHS / CE / Prop 65
Type of approval StVZO-K / ISO 6742 StVZO-K / ISO 6742 StVZO-K / ISO 6742 StVZO-K / ISO 6742	Type of approval	StVZ0-K / ISO 6742		StVZ0-K / ISO 6742	StVZO-K / ISO 6742	StVZO-K / ISO 6742
Approval number ~ K 1693 ~ K 1693 ~ K 2149	Approval number	~ K 1693		~ K 1693	~ K 1693	~ K 2149

Visibility Light

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: 20 lumens Standard: 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: 5 hours Strobe: 15 hours Flash: 55 hours Eco: 55 hours	High: 4 hours Standard: 7 hours Strobe: 19 hours Flash: 75 hours Eco: 70 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 (w/o bracket)	15.5 x 74.3 x 18mm (w/o bracket)	15.5 x 74.3 x18 mm (w/o bracket)
Mounting option			
Compliance	RoHS / CE / Prop 65	RoHS / CE / Prop 65	RoHS / CE / Prop 65
Type of approval			StVZO-K / ISO 6742
Approval number			~ K 2149

#ridesafe #litemove



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