BENEX

Create the landmark of future

2026-2027

Bike Lighting

BENEX®

Company profile

Lord Benex International Co., Ltd., was established in Taiwan in 1992, it is a sophisticated company that has been developing and building up customers based on the idea of innovative and environmentally friendly product development as well as the broader scope of experienced international trading. We have devoted ourselves to the studying, researching, designing, testing and manufacturing of LED related energy saving products such as Dynamo Torches, Solar Power Lights , Bike Lights, Camping Lantern and Headlamp for outdoor activities and the innovative high power Home Lighting for indoor as well. All of the enthusiasm has pushed us always one step ahead of others as one of the leading company in this field.

Bearing the"4P-Product, Price, Place, Promotion & 5W/1H- Where, What, When, Why, Which and How" concept in mind, Lord Benex has been reinforcing on connections to customers by improving the human resources and efficiency to satisfy their needs. Our accurate vision and short, long term development plan has been bringing us to a stable growth each year which always kept abreast with the developments of times and led the company well survived in the business jungle.

During the past years, the rapid change of LED development has drawn our attention to the fact that broader range of the traditional lamps are likely to be replaced by LEDs because of the improved power efficiency, brightness and lower cost in which we believe the LEDs will soon be generally applied in every way for families, buildings or constructions throughout the world. For such great demands being created, we, Lord Benex, of course would like to make our effort into the upcoming evolution of illumination which has been set as our core business for the next decade since 2008.

Overthrow the Tradition.
Rein in the Future.
Create the brand new joyfulness of Night Ride.

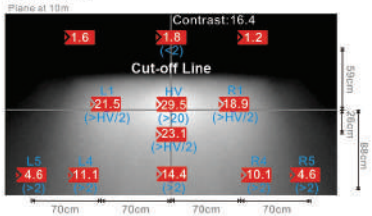
https://www.lordbenex.com

product design award
2014
International design award

StVZO 22A,TA 23

K-Mark

>1H Power Consumption- 20Lux / 10M
Beam Profile
Color Measurement
No Flashing



RED:BENEX'S PERFORMANCE
BLUE:STANDARD OF StVZO 22A,TA 23

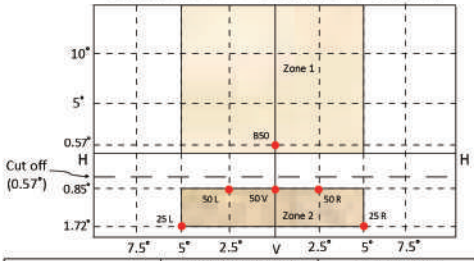
LATERAL VIEW-
Avoid to offend the eyes of incoming riders

ECE REGULATION CLASS B

E-Mark
R113

Futuristic Design
LED E-Bike front light
45km / h E-BIKE

Class B Beam Form



	Angular coordinates (degrees)		Luminous intensity in cd
Any point in zone 1	0°~15°U	5°L ~ 5°R	≤ 700 cd
Any point on line 50L to 50R	0.86°D	2.5°L ~ 2.5°R	≥ 1,100 cd
Point 50 V	0.86°D	0	≥ 2,200 cd
Any point on line 25L to 25R	1.72 D	5°L ~ 5°R	≥ 2,200 cd
Any point in zone 2	0.86°~1.72°D	5°L ~ 5°R	≥ 1,100 cd

Law Beam Min. Light Value 350Lm Max.Light Value-1000Lm

Low Beam

Photo taken from the StVZO light beam of bike light

Light beam at near distance

VERTICAL VIEW-
1-10m light beam's efficiently scattered over the roadside

Mobile Current

1. Extend the Runtime.
2. Smooth beam intensity adjustment.

ZOOM Tec.

Reflector + Convex Les = TIR
Optical Efficiency- 90% ~ 92%
Nr.20 2011 004 474.2

Simulated Radar Light

Radar simulated detection, clear light signal to the cars behind.
Auto detection and warning to the cars behind.

Power Energy Sever Control (PESC Tech.)

Auto Max Power Restoration
Max. beam intensity would always be held while the power capacity at the level over 60%.

Smart Brake Tech.

Auto Brake Attraction System (SMBrake Tech.)

Auto ON / OFF

Auto light off when bike parked.
Auto light on when bike being cycled.

Daylight

Auto ON in daytime, to be seen while cycling.

Speed Tech.

Beam intensity adjustment according to your cycling SPEED, the faster you go
The brighter you have.

G-Tech.

Uphill / Downhill

Auto adjustment of beam angle for cycling at Uphill or Downhill

Curves

Beam reinforcement for cycling at Curves

Standlight

Light is still on for 4Min.while bike stopped.

Low / High Beam

Auto low beam off when the light beam from the oncoming cars being detected

Power Management

Perfect power management between the Dynamo Light and
Dynamo hub to reduce the Pedal loading.

Smart Beam

Auto beam intensity adjustment according to the surrounding light 10 Meters ahead.

Active, Smart, Durable, The Eyes Of The VOYAGER.

Craftsman's exclusive optical technology illuminates the lumpy roadway clearly as goodas the Car's headlamp.

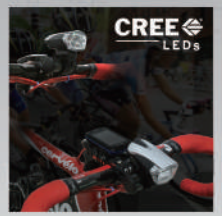
Perfect Cut-off line prevents the eyes of the oncoming cyclist being offended which's light beam can reach to 90Lux at the distance of 10M.

All day detecting,Daytime:OFF
Cloudy/Rainy: Twilight
Night: Full light

Auto light's on at 6-10M in front of the Tunel and / Basement.

- Auto remote and intelligent beam adjustment.
- 6~16H runtime after battery being fully charged.

product design award 2014



ET-3177-A

ET-3175-AD ET-3175-A ET-3175-R

ET-3151-AD

ET-3170-R

ET-3509-A

ET-3502

ET-3178-A

ET-3171-AD ET-3171-A ET-3171-R

ET-3173-A ET-3173-R

ET-3156 ET-3157

ET-3159-A

ET-3155

ET-3181 ET-3181-S

ET-3130

NEW

60Lux Road Master I E-BIKE 6-36V

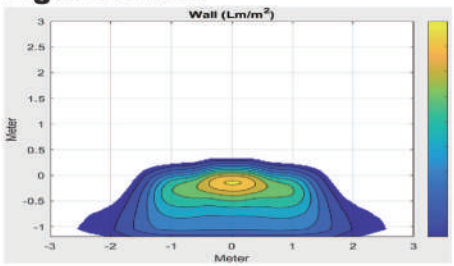
Low Beam | StVZO

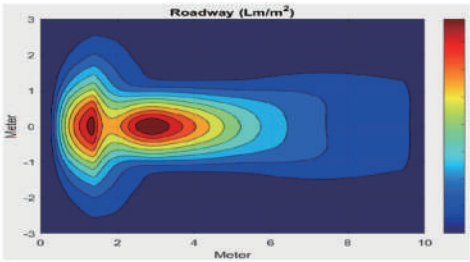
ET-3503	60Lux DC 6-36V	ET-3503-C	25Lux DC 6-36V

60LUX

1. Small & compact & Light weighted, stream line design, mounted on the handlebar or stem as one.
2. Low Beam: 1-10Meter light beam's efficiently scattered over the roadside.
3. Clear & Bright Cut-off line-Avoid offending the eyes of incoming riders.
4. Mounting Options: Handlebar / stem / fork / Bike basket

Light Pattern





Cut-off line

Perfect cut-off line, gentle to the eyes for coming vehicles.

Roadway

1-10m light beam's efficiently scattered over the roadside

NEW

As bright as daytime, K-mark Certified.
Aerodynamic streamline, low wind drag.
Small and compact, integrated with your E-bike as part of it.

Shark Eye E-BIKE 6-36V

Low Beam | StVZO

ET-3550	DC 6-36V

100LUX

The cut-off beam pattern uses the same standards that automotive car headlights are held to, so you will not blind oncoming traffic, but can still put the brightest part of your light far downrange.
Low Beam: Exclusive optical design,even the rough and uneven roadside can be seen clearly, as good as car's headlight.

Photo taken from the StVZO light beam of E-bike light

Low Beam

Low Beam Design: Awesome Bike Lights For Safety

NEW

150Lux Road Master II
E-BIKE 6-36V

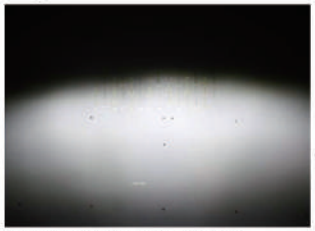
Low Beam | StVZO

ET-3505 DC 6-36V

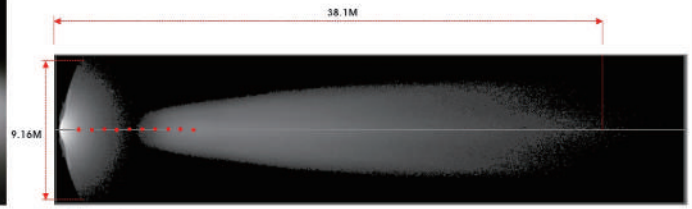
150LUX

1. High lux (up to 150 lux) provides rider enough brightness as bright as during the day in the dark.
2. Exclusive optical design with Osram LED for ultra brightness.
3. Durable, aluminum construction.
4. The StVZO beam prevents glare to oncoming motorists, keeping you and other safe.

Light Pattern



Perfect cut-off line, gentle to the eyes for coming vehicles.



Roadway Soft and even road illumination.

NEW

100Lux Road Master II
E-BIKE 6-36V

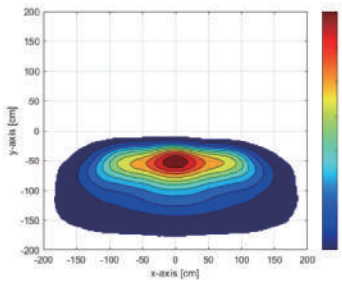
Low Beam | StVZO

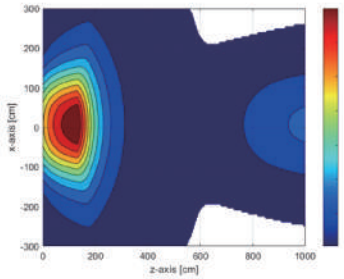
ET-3506 DC 6-36V

100LUX

1. Unique optical design on the head lamp as bright as the headlamp of car.
2. Clear & Bright Cut-off line-Avoid offending the eyes of incoming riders.
3. Low Beam: 1-10Meter light beam's efficiently scattered over the roadside.
4. Small, compact and Light weighted.

Light Pattern





Designed for the road - StVZO beam pattern reduces glare for oncoming road users, keeping you and others safe. With this E-bike light you can see the road clearly.

NEW

100Lux
E-BIKE 6-36V

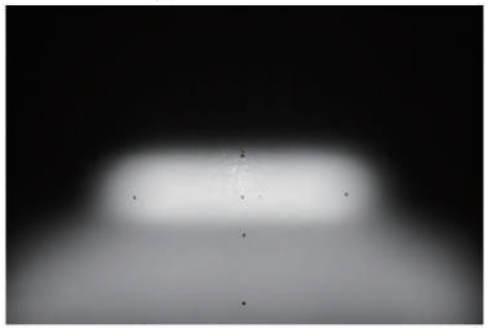
Low Beam | StVZO

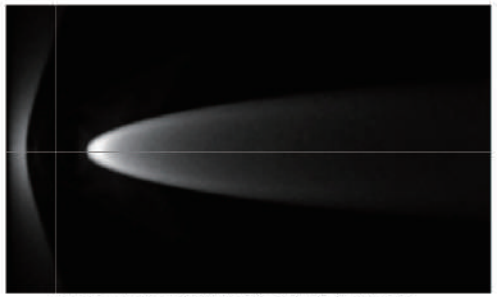
ET-3510 DC 6-36V

100LUX

1. High lux (up to 100 lux) provides rider enough brightness as bright as during the day in the dark.
2. Exclusive optical design with Osram LED for ultra brightness.
3. Durable, aluminum construction.
4. The StVZO beam prevents glare to oncoming motorists, keeping you and other safe.

Light Pattern





Broad and even-distributed floodlight of low beam

NEW

StVZO K-Mark LED E-Bike Light

StVZO

Direct-illuminated type reflector with Lens
E-BIKE 12-36V
High beam headlight

Low Beam

Low High Beam

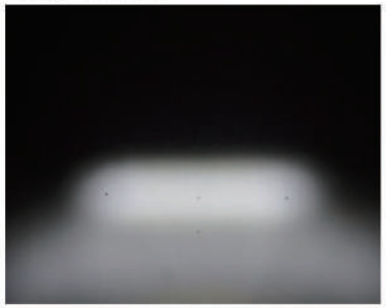
Low / High Beam
High beam with switch, Pushing the handlebar button activates 300 Lux high beam light

ET-3515 DC 12-36V High / Low Beam

This engineered beam pattern also redirects light around your bike to build a "light carpet" that evenly illuminates from your tire all the way to where your eyes are looking. Meaning as you are turning around junctions, tight turns on pathways, or just turning onto a trailhead on your gravel bike, you'll always be able to see where you are going.

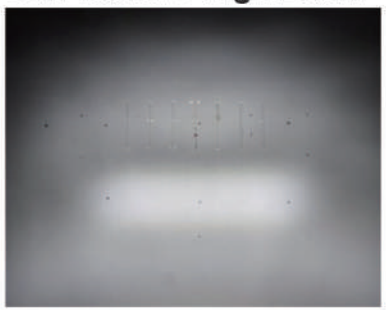
Light Pattern

Low Beam



Cut-off line design--
No longer do you have to dim your lights or aim them way down to avoid blinding on-coming traffic or pedestrians.
Increase your safety and enjoy the ride longer!

Low Beam + High Beam



Perfect Low Beam + High Beam -- Which increases your safety
This is a unique take on a E-bike light, and unlike anything available.

NEW

ECE & StVZO K-Mark LED E-Bike Light

StVZO ECE Regulation

250Lux Road Master III
E-BIKE 12-36V
High beam headlight

Low Beam

Low High Beam

Low / High Beam
High beam with switch, Pushing the handlebar button activates 300 Lux high beam light

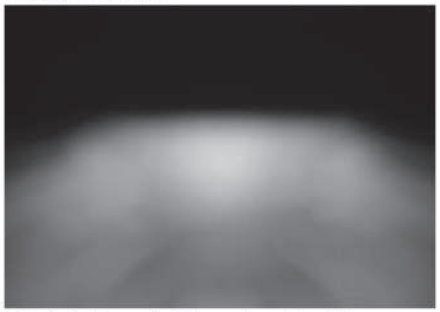
ET-3530 DC 12-36V High / Low Beam

250LUX

1. High lux (up to 300 lux) provides rider enough brightness as bright as during the day in the dark.
2. Exclusive optical design with Osram LED for ultra brightness.
3. Minimalist in a high-grade aluminium casing.
4. Soft and even road illumination.

Light Pattern

Low Beam



Perfect cut-off line, gentle to the eyes for coming vehicles.
Low Beam: Light beam's efficiently scattered over the roadside.

Low Beam + High Beam

High-performance e-bike light.
With 300 Lux, high beam light shines upwards.
Enormous vision, a significant comfort plus.

NEW

Shark Eye Altra
E-BIKE 6-36V
High beam headlight

Low Beam | StVZO

Low High Beam **Low / High Beam**
High beam with switch, Pushing the handlebar button activates high beam light

ET-3555	DC 6-36V High / Low Beam

1. Built-in 2 IN ONE Reflector with dual LEDs.
2. Extremely sharp cut-off line.
3. Wide range of the illumination, perfect for high speed cycling.
4. Soft and even road illumination.

NEW

E-BIKE 12-36V (Aluminum)
High beam headlight
(Ultra-bright)

Low Beam | StVZO

Low High Beam **Low / High Beam**
High beam with switch, Pushing the handlebar button activates high beam light

ET-3509	DC 12-36V High / Low Beam
ET-3509-A	DC 12-36V Auto High / Low Beam

SB Smart Beam

Using the same design principles that are found in the latest high end automotive LED headlights, this ET-3509 brings a sharp cutoff beam pattern with an intense evenly illuminated field of light to make road riding more comfortable, longer lasting, safer, and enjoyable for everyone.

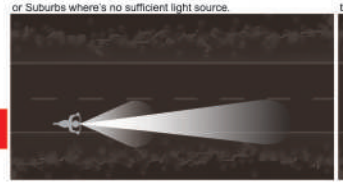
Light Pattern
Low Beam

Close range light
Perfect cut-off line, gentle to the eyes for coming vehicles.

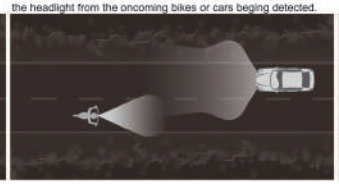
Low Beam + High Beam

Extensive beam pattern
Dual optical Down-illuminated Type Reflector creates ultimate light projecting range.

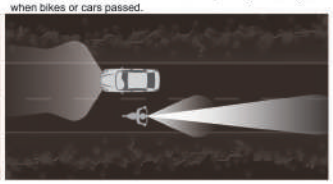
High beam would be ON when entering onto the Mountain or Suburbs where's no sufficient light source.



Hign bean would be switched automatically to Low beam when the headlight from the oncoming bikes or cars beging detected.



Low beam would be switched automatically to High beam again when bikes or cars passed.



NEW

Shark Eye II
E-BIKE 12-36V
High beam headlight

Low Beam | StVZO

Low High Beam **Low / High Beam**
High beam with switch, Pushing the handlebar button activates high beam light

ET-3508	DC 12-36V High / Low Beam

Light Pattern
Low Beam

Close range light
As bright as daytime, K-mark Certified.

Low Beam + High Beam

Extensive beam pattern
Greater visual comfort
Multi-beam lighting adapts to a wide variety of situations.

NEW

E-BIKE LIGHT MOUNTING OPTIONS
Mounts Accessories

Works with nearly all Benex New E-bike or Dynamo light.
Designed for ET-3505 & ET-3506 & ET-3506-D.
Works with ET-3503 & ET-3530 & ET-3550 & ET-3555 & ET-3510 & ET-3515, etc.

EJ Bracket

ES Bracket

EL Bracket

HD Bracket

JG Bracket

SG Bracket

ED Bracket

EP Bracket

EF Bracket

HB Bracket

JB Bracket

SB Bracket

30LUX

Low Beam | StVZO

ET-3500-E DC 6-12V

50LUX

Low Beam | StVZO

ET-3501-E DC 6-36V

90LUX

Low Beam | StVZO

ET-3502-E DC 6-36V

NEW

Rear light switches to the brake light mode immediately, prompting rear attention and improving safety.

BENEX E-BIKE REAR LIGHT

ET-3214-C DC 6-36V

StVZO | ECE Regulation

ET-3214-CR DC 6-36V

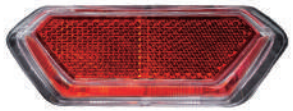
StVZO | ECE Regulation

ET-3214-CF DC 6-36V

StVZO

ET-3214-F DC 6-36V

ECE Regulation



StVZO

Attached on the RACK as ONE.
Mounting distance 50mm (ET-3213-CE50) · 80 mm (ET-3213-CE80)
Light, unique, compact, original, safety.
Unique optical design provides ultra brightness and efficiency.
The reflector passed regulation.

ET-3213-CE50 DC 6V (6V-12V)

ET-3213-CE80 DC 6V (6V-12V)

Customization

HIGO Cable Connection

Cable Connection

StVZO | ECE Regulation

Installed to the RACK.
The warning light is clear and soft, evenly distributed.
The reflector passed regulation.

ET-3213-E50 DC 6V (6V-12V)

ET-3213-E80 DC 6V (6V-12V)

StVZO | SMBrake Tech.

Smart Brake Tech.
Auto Brake Attraction System
(SMBrake Tech.)

ET-3213-AE50 DC 6V (6V-12V)

ET-3213-AE80 DC 6V (6V-12V)

Power | Standlight | SB Smart Beam | Low Beam | Day Light

Power Management
Perfect power management between the Dynamo Light and Dynamo hub to reduce the Pedal loading.
Remain low pedal loading even in high power output of light.

ET-3502 (AC 6V 2.4W)

90LUX
AUTO
Smart Beam

1. Reflector : K-Mark
2. Auto ON in the Evening (Smart Beam)
3. Auto Daylight ON
4. 4Mins Standlight
5. Optional Rear Light
6. Auto remote and intelligent beam adjustment

StVZO | Low Beam | Day Light

ET-3501 4Mins Standlight (AC 6V 2.4W)

ET-3501-C (AC 6V 2.4W)

50LUX
AUTO

1. Reflector : K-Mark
2. Auto ON in the Evening
3. Auto Daylight ON
4. Optional Rear Light

StVZO | Low Beam

ET-3500 4Mins Standlight (AC 6V 2.4W)

ET-3500-C (AC 6V 2.4W)

30LUX

1. Reflector : K-Mark
2. Operated by power button
3. Optional Rear Light

NEW

StVZO Dynamo Light

Low Beam | 4Mins Standlight

The StVZO beam prevents glare to oncoming motorists, keeping you and other safe.

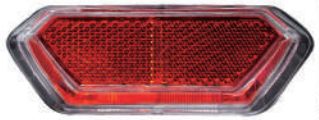
ET-3506-D (AC 6V 2.4W) 4Mins Standlight

50LUX

1. Unique optical design on the head lamp as bright as the headlamp of car.
2. Clear & Bright Cut-off line-Avoid offending the eyes of incoming riders.
3. Low Beam: 1-10Meter light beam's efficiently scattered over the roadside.
4. Small, compact and Light weighted.

DYNAMO REAR LIGHT

StVZO K-Mark LED Dynamo Rear Light



Standlight
Light is still on for 4Min. while bike stopped.

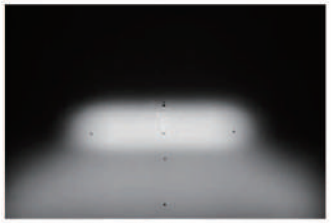
Attached on the RACK as ONE.
Mounting distance 50mm (ET-3213-C50) · 80 mm (ET-3213-C80)
Light, unique, compact, original, safety.
Unique optical design provides ultra brightness and efficiency.
The reflector passed regulation.

StVZO | 4Mins Standlight

ET-3213-C50 AC 6V 0.6W

ET-3213-C80 AC 6V 0.6W

NEW



Rech. Batt.1800 mAh

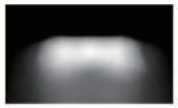
ET-3190

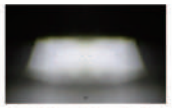
ET-3190-1

100LUX

1. Exclusive optical design (Direct-illuminated type reflector with Lens), even the rough and uneven roadside can be seen clearly, as good as car's headlight.
2. Small & compact, stream line design, mounted on the handlebar as one.
3. Low Beam- Light beam's efficiently scattered over the roadside.

Perfect Cut-off line & Low Beam
The 100Lux of the Lens illuminate the roadway perfectly.
It spreads out as a smooth, wide carpet of light that starts right in front of the wheel and reaches far into the distance.





Rech. Batt.1200 mAh

ET-3177

ET-3177-1

ET-3177-A AUTO Smart Beam + AUTO ON / OFF

50LUX AUTO SMART BEAM

1. Auto beam intensity adjustment according to the surrounding light 10 Meters ahead.
2. Clear & Bright Cut-off line-Avoid offending the eyes of incoming riders.
3. Smart look, compact and light weight.
4. Soft and even road illumination.

Rech. Batt. 1500mAh

ET-3151 High 90LUX 4H / Med 42LUX 6H / Low 25LUX 8H

ET-3151-1 High 450LM 4H / Med 230LM 6H / Flashing 25H

ET-3151-AD AUTO Smart Beam (3-24H) + Daylight (24H) + AUTO ON / OFF

90LUX AUTO SMART BEAM

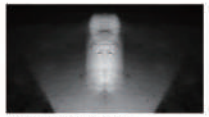
1. High lux (up to 90 lux) provides rider enough brightness as bright as during the day in the dark.
2. Sleek exterior, integrated with the handle bars.
3. Exclusive optical design with OSRAM LED for ultra brightness.
4. Perfect cut-off line, gentle to the eyes for coming vehicles.

Same as the to adjust the headlight automatically according to the surrounding while in tunnel, basement, rain or nightfall.

All day detecting, Daytime: OFF
Cloudy / Rainy: Twilight
Night: Full light

Auto OFF in standby mode when taking a break / parking. Auto ON when bike being ridden again.

Auto light's on at 6-10M in front of Tunnel / Basement / Underpass.



Craftsman's exclusive optical technology illuminates the lumpy roadway clearly as goodas the Car's headlamp.

NEW

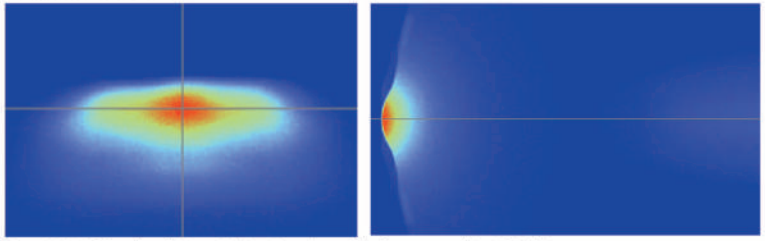
ET-3178

ET-3178-A AUTO Smart Beam

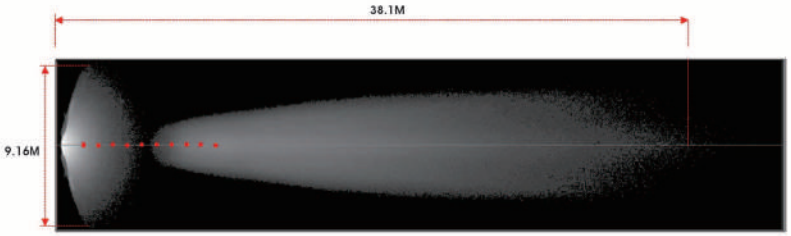
150LUX

1. High lux (up to 150 lux) provides rider enough brightness as bright as during the day in the dark.
2. Exclusive optical design with Osram LED for ultra brightness.
3. The StVZO beam prevents glare to oncoming motorists, keeping you and other safe.
4. Gopro or GPS insert (For Garmin or Bryton or Wahoo GPS).

Light Pattern



Super bright 150Lux headlight can light up the entire road or focus on an object 38.1 Meter away.



Roadway Soft and even road illumination.

K-Mark StVZO 22A, TA 23
High / Low Beam Bike Light (Rechargeable battery)

High Brightness can help the rider Early obstacles Detection, Early Response.
The battery pack is equipped with four batteries with a capacity of 7200 mAh.

ET-3159 7200 mAh.
ET-3159-A Auto Smart Beam

ET-3158 7200 mAh.
ET-3158-A Auto Smart Beam

ET-3156 5400mAh 550LM
ET-3157 7200mAh 1500LM

TWINS High / Low Beam Bike Light

Long-distance battery pack
Our most powerful battery pack with Velcro attachment.

Attach the battery to the bike frame

Attach the battery to the bike frame

ET-3153 7200 mAh.
ET-3153-A Auto Smart Beam

ET-3195 7200 mAh.

ET-3152 5400 mAh.

K-Mark StVZO 22A, TA 23
LED Bikelight

Dragon Stem Light

Up to 15H runtime.
Intergrated with Stem as one design.
Easy Mount / Dismount Release Clip.
Alum. bracket positioned at the center of handlebar.
Holder built on top, compatible for Garmin & Sigma.

Perfect and safe ergonomic angle to view the bike computer

ET-3130-M LED Bike Light Set with C Bracket

ET-3130 LED Bike Light Set with A Bracket

GPS (BIKE COMPUTER)

ET-3130-L LED Bike Light Set with L Bracket

Shark Eye Altra I 10W High / Low Beam Bike Light

1. Aluminium bracket, tough, durable and secured.
2. Wide range of the illumination, perfect for high speed cycling.

ET-3155
ET-3155-C

Daytime-Daylight would be ON automatically
Nighttime-Low Beam would be ON automatically

Intelligent switch to high/low beam

G-TEC

- Auto beam intensity adjustment according to the surrounding.
- Auto power ON / OFF while bike being parked or moved
- Auto high / low beam switch
- Light beam reinforcement when, cycling at Curves with speed
- Light beam adjustment when, cycling at uphill or downhill.

ET-3181
ET-3181-S

EZ-Mount Bracket (Arm)

Quick released design to dismount your cellphone easily.
Exclusive anti-slipped design as hard as the steel.

Place it to the perfect position on your handlebar.

PT-3303 Phone Holder Bike Mount (Handlebar)

K-Mark StVZO 22A, TA 23

Mini Bikelight

Low Beam | StVZO | PESC Tec. | Mobility Current | USB Recharge

ET-3175 | ET-3175-R | ET-3175-A | ET-3175-AD

Mini Bikelight

Low Beam | StVZO | PESC Tec. | Mobility Current | AAA Battery

ET-3176 | ET-3176-R | ET-3176-A

Light River

StVZO | Low Beam

ET-3170 | ET-3170-R

Light River

StVZO | Low Beam

ET-3170-P

Light River

StVZO | Low Beam

ET-3171-AD

Light River

StVZO | Low Beam

ET-3171 | ET-3171-R

ADAMAS

StVZO | Low Beam

ET-3173 | ET-3173-R | ET-3173-A

ADAMAS

StVZO | Low Beam

ET-3172

Bike Eye I

StVZO | Low Beam

ET-3140

Eagle

StVZO | Low Beam

ET-3141

Bike Eye II

StVZO | Low Beam

ET-3142

USB Recharge

ET-3121 | ET-3121-B

Color planning

AA x1 Battery

ET-3122

Vogue Front Light

Mode : ON → Flash → OFF

Vogue Front Light

Mode : ON → Flash → OFF

Low Beam | StVZO | PESC Tech. | Mobile Current | USB Recharge

ET-3160	Full 25LUX 2H / Normal 13LUX 3H
ET-3160-1	Full 220LM 3H / Normal 110LM 6H / Flashing 8H

Small, lightweight, compact, horizontal LEDs mounted on the handlebar as ONE.

Modern Front Light

USB Recharge

ET-3131 Mode: ON - Flashing - OFF

Modern Front Light

AAA x1 Battery

ET-3131-B Mode: ON - Flashing - OFF

Bike Front light

Bike light Bracket + Torch (Camplight)

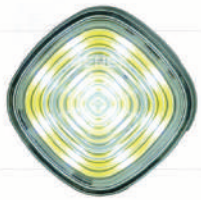
Work as Bike Front light, easy to switch to focused / COB flood light for various scenarios

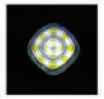
AA x1 Battery

ET-1317-F | ET-1317-RF

USB Recharge

ET-3109





Bike Front light

Wearable | Side Visibility | Daytime | All Weather | USB Recharge

Ferris wheel Safety Light White COB

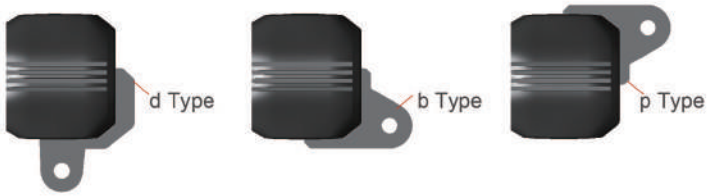
ET-1331-B

NEW

E-BIKE LIGHT MOUNTING OPTIONS

Modular Pivot Joint

Modular Pivot Joint to fit a wide variety of Benex New E-bike or Dynamo light types.



Mounts Accessories

Works with nearly all Benex New E-bike or Dynamo light.

Designed for ET-3505 & ET-3506 & ET-3506-D.
Works with ET-3503 & ET-3530 & ET-3550 & ET-3555 & ET-3510 & ET-3515, etc.

BIKE LIGHT MOUNTING OPTIONS

G Bracket
Compatible diameter of handlebar: 25mm- 32mm
Tool free
Adjustable Pads
Bracket Size:66x48x22mm
Bracket Weight:34g

M Bracket
Compatible diameter of handlebar:32mm- 38mm
Adjustable Pads
Bracket Size:53x53x22mm
Bracket Weight:28g

T Bracket
Compatible diameter of handlebar: 25mm-32mm
Tool free
Adjustable Pads
Bracket Size:48x49x22mm
Bracket Weight:26g

S Bracket
Compatible diameter of handlebar: 25mm-32mm
Adjustable Pads
Bracket Size:42x49x22mm
Bracket Weight:22g

P Bracket
Easy Installation
Angle adjustment
Compatible for all types of bike light
Bracket Size:82x82x28mm
Bracket Weight:33g

D Bracket
Easy Installation
Angle adjustment
Compatible for all types of bike light
Bracket Size:82x82x28mm
Bracket Weight:40g

B Bracket
Compatible diameter of handlebar: Ø 22mm- 32mm
Tool free
Adjustable Pads
Compatible for all types of bike light
Bracket Size:22x55x28mm
Bracket Weight:14g

A Bracket
Compatible diameter of handlebar: 25.4mm、28.5mm、32mm
Adjustable Pads
Bracket Size:41x107x48mm
Bracket Weight:26g

F Bracket
Easy Installation
Angle adjustment
Compatible for all types of bike light
Bracket Size:82x82x28mm
Bracket Weight:38g

C Bracket
Easy Mount / Dismount Release Clip.
Alum. bracket positioned at the center of handlebar.
Bracket Size:50x56x28mm
Bracket Weight:42g

E Bracket
(For E-Bike or Dynamo Front Light)
Alum. bracket positioned at the center of handlebar.
Bracket Size:49.2x46.4x24.1mm
Bracket Weight:15g

NEW

L Bracket
Compatible diameter of handlebar: 25.4mm、32mm
Adjustable Pads
Bracket Size:90x60x75mm
Bracket Weight:36g

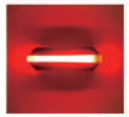
NEW

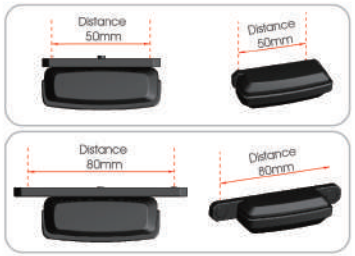
A strong mix between the classic way of mounting and a modern look.

BENEX light exudes European style,
simplicity and functionality, which adds a unique artistic and personality to the BENEX E-Bike light collection.

You're also visible from the side-- The cyclist is not only seen from behind, but also from the side to crossing traffic.

StVZO | ECE Regulation | SMBrake Tech.





ET-3214	DC 6-36V
ET-3214-C	DC 6-36V

NEW

Integrated reflector-- With a reflector, provides the utmost safety.
The reflector passed regulation.

StVZO | ECE Regulation | SMBrake Tech.

ET-3214-R	DC 6-36V
ET-3214-CR	DC 6-36V

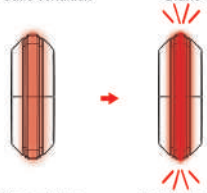
NEW

Attached on the Fender as ONE.
Adjustable multi-angle position.
The main features of this rear light are the very compact size.
Unique optical design provides ultra brightness and efficiency.
Eight super bright LED distribute light evenly.
220° wide range to be seen. No dead angles

StVZO | SMBrake Tech.

ET-3214-F	DC 6-36V
ET-3214-CF	DC 6-36V

Normal trafic condition — Brake



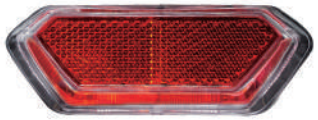
Steady Mode — High Mode (Ultra Bright)

Rear light switches to the brake light mode immediately, prompting rear attention and improving safety.

Brake induction rear light clearly being seen whereever clambing or descending.

When you brake the light will at it ultra bright lights mode.

StVZO K-Mark LED E-BIKE Rear Light



StVZO

Attached on the RACK as ONE.
Mounting distance 50mm (ET-3213-CE50) - 80 mm (ET-3213-CE80)
Light, unique, compact, original, safety.
Unique optical design provides ultra brightness and efficiency.
The reflector passed regulation.

ET-3213-CE50	DC 6V (6V-12V)
ET-3213-CE80	DC 6V (6V-12V)

Customization

HIGO Cable Connection

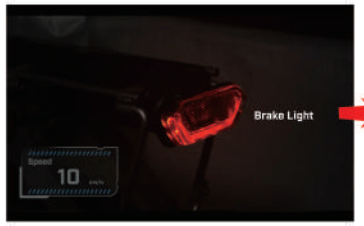
Cable Connection

StVZO | ECE Regulation

Installed to the RACK.
The warning light is clear and soft, evenly distributed.
The reflector passed regulation.

ET-3213-E50	DC 6V (6V-12V)
ET-3213-E80	DC 6V (6V-12V)

StVZO | SMBrake Tech.

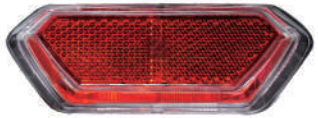


Smart Brake Tech.
Auto Brake Attraction System
(SMBrake Tech.)

ET-3213-AE50	DC 6V (6V-12V)
ET-3213-AE80	DC 6V (6V-12V)

BENEX DYNAMO REAR LIGHT

StVZO K-Mark LED Dynamo Rear Light

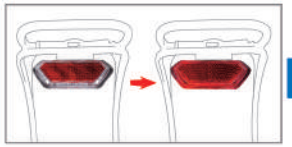


Standlight
Light is still on for 4Min. while bike stopped.

StVZO | 4Mins Standligh

Attached on the RACK as ONE.
Mounting distance 50mm (ET-3213-C50) - 80 mm (ET-3213-C80)
Light, unique, compact, original, safety.
Unique optical design provides ultra brightness and efficiency.
The reflector passed regulation.

ET-3213-C50	AC 6V 0.6W
ET-3213-C80	AC 6V 0.6W



NEW

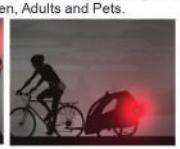
Rechargeable Rear Bike Light

ET-3215-C

Clip bracket, ideal for clothing and bags.

Warning Light High Visibility for Running, Jogging, Walking, Cycling; Protective Gear for Children, Adults and Pets.

Hikers, campers, trekkers



Bicycle Trailer

Rechargeable Rear Bike Light

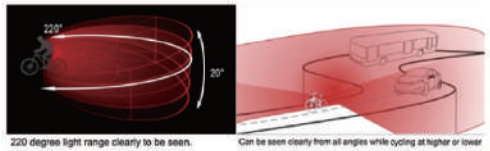
Modern Rear Light
ET-3230 K-Mark Mode: ON - OFF

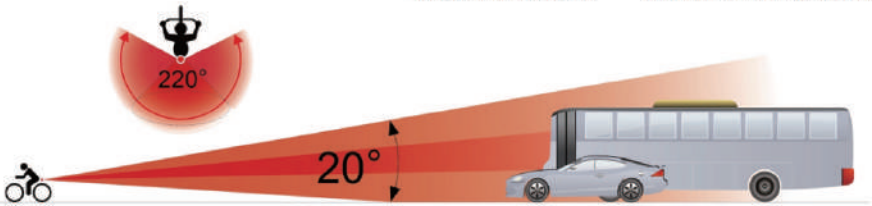
Modern Rear Light
ET-3230-1 Mode: ON - Flashing - OFF

Modern Rear Light
ET-3230-B Mode: ON - Flashing - OFF

Straight LED light strip, line with the Seatpost as ONE.

Tail Light -Diamond





ET-3230-1L

Safety rear light

Simulate radar function

Radar simulated detection, clear light signal to the cars behind.
You're also visible from the side- The cyclist is not only seen from behind, but also from the side to crossing traffic.
Auto detection and warning to the cars behind.

90° Adjustment

Built-in detecting Sensor. Providing light signal by speed to warn the cars behind

Rear light clearly being seen wherever climbing or descending.

Brake induction smart Y rear light

Smart Brake Tech.- Auto Brake Attraction System (SMBrake Tech.)

Automatically turns on High mode when speed reduced.
Smart Brake induction
Rear light switches to the smart brake light mode immediately, prompting rear attention and improving safety.

StVZO | ON AUTO OFF | SMBrake Tech. | USB RECHARGE

ET-3211-A

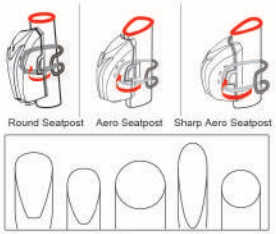
■ Press the button → ON (Steady mode)

Normal trafic condition — Deceleration is detected (Brake)

Steady Mode — High Mode (Ultra Bright)

■ Press the button (0.8s)→ OFF

Y rear light



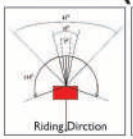
Changeable Back Pads, compatible for most of the Seatposts in different shape.

StVZO | ON AUTO OFF | USB RECHARGE

ET-3211	AUTO - MANUAL - OFF
ET-3211-1	AUTO（Breathing - Steady - Flashing）
ET-3211-C	ON - OFF
ET-3211-1C	Breathing - Steady - Flashing - OFF

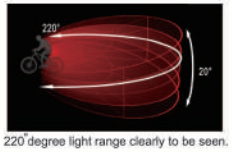
ET-3212	ON - OFF
ET-3212-1	ON - Flashing - OFF

K-Mark (Rear light)

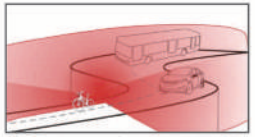


StVZO 22A,TA14 (III)

Vertical Viewing Angle	Horizontal Viewing Angle			
	± 5°	± 10°	± 45°	± 110°
± 5°	> 1.00cd	> 0.33cd	> 0.10cd	> 0.033cd
± 10°	> 0.33cd	> 0.33cd	> 0.10cd	> 0.033cd



220°degree light range clearly to be seen.



Can be seen clearly from all angles while cycling at higher or lower

Comet rear light

Perfect design under the Saddle as ONE.
Silding bracket allows to adjust the tail Light fitting to the Saddle.
The warning light is clear and soft, evenly distributed.
220° wide range to be seen. No dead angles.

ON AUTO OFF | USB RECHARGE

ET-3210

ET-3210-1

ET-3210-C

Hawkeye rear light

StVZO

ET-3207-S	50H	ET-3207-1S	
ET-3207-US	4H	ET-3207-U1S	

StVZO

ET-3209-S	50H	ET-3209-1S	
ET-3209-US	4H	ET-3209-U1S	

K-Mark rear light

StVZO | BATTERY

ET-3204 K-Mark 7.5H

Arc Shied rear light

StVZO | BATTERY

ET-3206 K-Mark 9H

K-Mark rear light

StVZO | BATTERY

ET-3203 K-Mark 10.5H

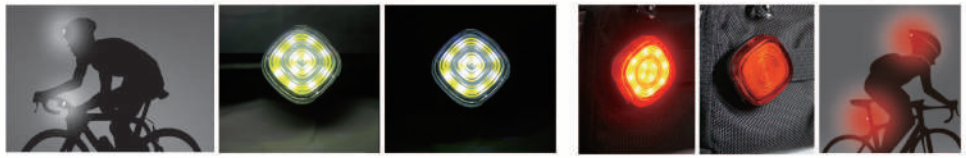
USB Power Cord

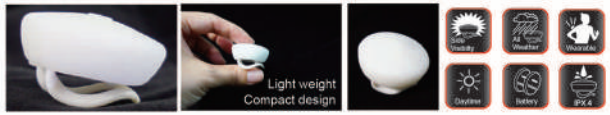
+

COMBO SET

ET-1331-B

ET-1330-B



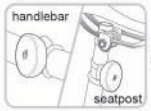


Bike Front Light
High-brilliance white LED

ET-1322-2WRB

LED SILICON SAFETY LIGHT

Stay visible and safe while performing outdoor activities.



LED light can be tightented on the handle bar or seatpost

+ BATTERY COMBO SET

Bike Rear Light
High-brilliance Red LED

BATTERY

+

COMBO SET

ET-3917 (ET-3108+ET-3208)

USB Power Cord

+

COMBO SET

ET-3934 (ET-3151+ET-3207-US)

USB Power Cord

+

COMBO SET

ET-3935 (ET-3151+ET-3211-C)

BATTERY

+

COMBO SET

ET-3908 (ET-3109+ET-3207-S)

USB Power Cord

+

COMBO SET

ET-3926 (ET-3175+ET-3207-US)

USB Power Cord

+

COMBO SET

ET-3930 (ET-3121+ET-3230)

BATTERY

+

COMBO SET

ET-3931 (ET-3122+ET-3230-B)

USB Power Cord

+

COMBO SET

ET-3936 (ET-3131+ET-3230)

BATTERY

+

COMBO SET

ET-3937 (ET-3131-B+ET-3230-B)

FRONT LIGHT OVERVIEW

									NEW		NEW	NEW	NEW	NEW	NEW High / Low Beam	NEW High / Low Beam	NEW High / Low Beam	NEW High / Low Beam	NEW High / Low Beam	
	ET-3500	ET-3500-C	ET-3500-E	ET-3501	ET-3501-C	ET-3501-E	ET-3502	ET-3502-E	ET-3506-H	ET-3506	ET-3505	ET-3503	ET-3550	ET-3510	ET-3515	ET-3530	ET-3555	ET-3508	ET-3509	ET-3509-1
PAGE	12	12	11	12	12	11	12	11	12	5	5	4	4	6	7	8	9	10	9	9
LUX	30±20%LUX	30±20%LUX	30±20%LUX	50±20%LUX	50±20%LUX	50±20%LUX	90±20%LUX	90±20%LUX	50±20%LUX	100±20%LUX	150±20%LUX	60±20%LUX	100±20%LUX	100±20%LUX	120±20%LUX	250±20%LUX	70±20%LUX	125±20%LUX	144±20%LUX	—
LUMENS	—	—	—		—	—	—	—	—	200±20%LM	250±20%LM	250LM	—	294LM	800LM	1500LM	430±20%LM	—	900LM	—
LED	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED	OSRAM LED	OSRAM LED	OSRAM LED	OSRAM LED	OSRAM LED	OSRAM LED	OSRAM LED	OSRAM LED	OSRAM LED	OSRAM LED	OSRAM LED	OSRAM LED	OSRAM LED	OSRAM LED
POWER SOURCE	Dynamo AC 6V	Dynamo AC 6V	E-Bike DC 6-12V	Dynamo AC 6V	Dynamo AC 6V	E-Bike DC 6-12V	Dynamo AC 6V	E-Bike DC 6-12V	Dynamo AC 6V	E-Bike DC 6-36V	E-Bike DC 6-36V	E-Bike DC 6-36V	E-Bike DC 6-36V	E-Bike DC 6-36V	E-Bike DC 12-36V	E-Bike DC 12-36V	E-Bike DC 6-36V	E-Bike DC 12-36V	E-Bike DC 12-36V	E-Bike DC 6-36V
RUNTIME	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MATERIAL	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	Aluminum / ABS / PC	Aluminum / ABS / PC	ABS / PC	ABS / PC	Aluminum / ABS / PC	ABS / PC	ABS / PC	ABS / PC	Aluminum / ABS / PC	Aluminum / ABS / PC	ABS / PC	Aluminum / ABS / PC	Aluminum / ABS / PC	Aluminum / ABS / PC
WEIGHT	56g	56g	56g	82g	82g	82g	102g	102g	82g	82g	126g	97g	98g	—	—	—	—	—	—	—
VARIETY	Dynamo	Dynamo	E-Bike	Dynamo	Dynamo	E-Bike	Dynamo	E-Bike	Dynamo	E-Bike	E-Bike	E-Bike	E-Bike	E-Bike	E-Bike	E-Bike	E-Bike	E-Bike	E-Bike	E-Bike
SIZE	82x36x92mm	82x36x92mm	82x36x92mm	85x44x97mm	85x44x97mm	85x44x97mm	85x44x97mm	85x44x97mm	62x36x41mm	62x36x41mm	62x36x41mm	48x38x37mm	58x56x65mm	53x49x60mm	42x42x59mm	83x52x48mm	70x40x60mm	63x64x59mm	77x55x49mm	77x55x49mm
LIGHT MODE	SWITCH ON / OFF	SWITCH ON / OFF	—	SWITCH ON / OFF	SWITCH ON / OFF	—	SWITCH ON / AUTO / OFF (Smart beam)	—	—	—	—	—	—	—	—	—	—	—	—	—
REFLECTOR	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—
PEAK BEAM INTENSITY	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
BEAM DISTANCE	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
IMPACT RESISTANCE	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M
WATER PROOF	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
FUNCTIONS	—	—	—	—	—	—	AUTO Smart beam Power Management	—	—	—	—	—	—	—	—	—	—	—	—	—
Low Beam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
StVZO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
ECE Regular																✓				
Standlight	✓			✓			✓		✓											
Day Light							✓													
PESC Tech	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mobile Current	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SB Smart Beam							✓													
RECHARGE																				
BATTERY																				

FRONT LIGHT OVERVIEW

			NEW															
	ET-1317-F	ET-1317-RF	ET-3177	ET-3177-A	ET-3177-1	ET-3160	ET-3160-1	ET-3151	ET-3151-AD	ET-3151-1	ET-3175	ET-3175-A	ET-3175-R	ET-3175-AD	ET-3175-FB	ET-3176	ET-3176-A	ET-3176-R
PAGE	18	18	13	13	13	18	18	13	13	13	17	17	17	17	17	17	17	17
LUX	——	——	70±20%LUX	70±20%LUX	——	25±5%LUX	——	90±20%LUX	90±20%LUX	——	30±5%LUX	30±5%LUX	30±5%LUX	30±5%LUX	30±5%LUX	25±5%LUX	25±5%LUX	25±5%LUX
LUMENS	150LM	400LM	250±20%LM	250±20%LM	400LM	——	220LM	400LM	400LM	450LM	180LM	180LM	180LM	180LM	380LM	150LM	150LM	150LM
LED	CREE LED / COB	CREE LED / COB	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED	OSRAM LED	OSRAM LED	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED
BATTERY	1pc "AA" Battery	3.7V/800mAh	3.7V/1200mAh	3.7V/1200mAh	3.7V/1200mAh	3.7V/500mAh	3.7V/500mAh	3.7V/1500mAh	3.7V/1500mAh	3.7V/1200mAh	3.7V/1200mAh	3.7V/1200mAh	3.7V/1200mAh	3.7V/1200mAh	3.7V/1200mAh	3pcs "AAA" Batteries	3pcs "AAA" Batteries	3pcs "AAA" Batteries
RUNTIME	**High (Spot Beam) 3H Med (Spot Beam) 6H Low (Spot Beam) 16H Flood COB 3H Flashing 28H**	**High (Spot Beam) 2H Med (Spot Beam) 4H Low (Spot Beam) 30H Flood COB 6.9H Flashing 20H**	**Full 3H±20% Normal 4H±20%**	**Smart Beam 3-12H Full 3H±20%**	**Full 2H±20% Normal 5H±20% Flashing 8H±20%**	**Full 2H±20% Normal 3H±20%**	**Full 3H±20% Normal 6H±20% Flashing 8H±20%**	**Low 8H±20% Med 6H±20% High 4H±20%**	**Smart Beam 3-10H Full 3.5H±20% Daylight 24H±20%**	**High 4H±20% Med 6H±20% Flashing 25H±20%**	**Full 3H±20% Normal 6H±20%**	**3~12H by auto beam intensity adjustment according to the surrounding light**	**3~12H by auto beam intensity adjustment according to the surrounding light**	**3~12H by auto beam intensity adjustment according to the surrounding light Daylight 40H**	**Full 3H±20% Normal 6H±20%**	**Normal 8H ECO 12H**	**8~20H by auto beam intensity adjustment according to the surrounding light**	**8~20H by auto beam intensity adjustment according to the surrounding light**
MATERIAL	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC
WEIGHT	30g	50g	96g	96g	96g	46g	46g	93g	93g	93g	72g	72g	72g	72g	72g	56g	56g	56g
OTHER	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——
SIZE	84 x 30 x 26mm	84 x 30 x 26mm	94 x 44 x 59.5mm	94 x 44 x 59.5mm	94 x 44 x 59.5mm	65 x 37 x 54mm	65 x 37 x 54mm	96 x 49 x 41mm	96 x 49 x 41mm	96 x 49 x 41mm	81 x 45 x 31mm	81 x 45 x 31mm	81 x 45 x 31mm	81 x 45 x 31mm	81 x 45 x 31mm	83x 46 x 37mm	83 x 46 x 37mm	83 x 46 x 37mm
LIGHT MODE	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——
REFLECTOR	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——
PEAK BEAM INTENSITY	380CD±20%	2080CD±20%	5600CD±20%	5600CD±20%	5600CD±20%	2000CD±20%	2800CD±20%	6400CD	6400CD	4800CD	2500CD	2500CD	2500CD	2500CD	2500CD	2100CD	2100CD	2100CD
BEAM DISTANCE	55M±20%	91M±20%	150M±20%	150M±20%	150M±20%	90M±20%	100M±15%	160M	160M	135M	100M	100M	100M	100M	100M	90M	90M	90M
IMPACT RESISTANCE	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M
WATER PROOF	IPX 6	IPX 6	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4
FUNCTIONS	——	——	——	——	——	——	——		——	——	——	——	——	——	——	——	——	——
Low Beam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SIVZO			✓	✓		✓		✓			✓	✓	✓	✓	✓	✓	✓	✓
ON AUTO OFF				✓					✓			✓		✓			✓	
Day Light									✓					✓				
PESC Tech.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mobile Current	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SB Smart Beam				✓					✓			✓	✓	✓			✓	✓
Speed Tech.				✓					✓			✓		✓				
RECHARGE		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
BATTERY	✓															✓	✓	✓

FRONT LIGHT OVERVIEW

	ET-3170	ET-3170-R	ET-3170-P	ET-3171	ET-3171-R	ET-3171-AD	ET-3172	ET-3173	ET-3173-R	ET-3173-A	ET-3140	ET-3141	ET-3142
PAGE	17	17	17	17	17	17	17	17	17	17	17	17	17
LUX	30±15%LUX	30±15%LUX	25±5LUX	35±15%LUX	35±15%LUX	35±15%LUX	25±15%LUX	35±15%LUX	35±15%LUX	35±15%LUX	20LUX	28LUX	24LUX
LUMENS	150LM	150LM	90LM	110LM	200LM	110LM	100LM	110LM	140LM	200LM	200LM	200LM	200LM
LED	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED	CREE LED
BATTERY	3pcs "AAA" Batteries	3pcs "AAA" Batteries	3pcs "AAA" Batteries	3.7V / 1200mAH (600mAh x 2)	3.7V / 1200mAH (600mAh x 2)	3.7V / 1200mAH (600mAh x 2)	3pcs "AAA" Batteries	3.7V / 1200mAH (600mAh x 2)	3.7V / 1200mAH (600mAh x 2)	3.7V / 1200mAH (600mAh x 2)	4pcs "AA" Batteries	4pcs "AA" Batteries	4pcs "AA" Batteries
RUNTIME	Normal 2H Turbo 1.5H	AUTO Smart Beam Approx. 2-6H Depending on the surrounding light	Normal 2H20Min Turbo 1H40Min	Normal 3H Turbo 1H10Min	AUTO Smart Beam Approx. 3-10H Depending on the surrounding light	AUTO Smart Beam Approx. 3-10H Depending on the surrounding light Daylight 16H	Normal 2H20Min Turbo 1H40Min	Normal 3H Turbo 1H10Min	AUTO Smart Beam Approx. 6-10H Depending on the surrounding light	AUTO Smart Beam Approx. 6-10H Depending on the surrounding light	Full 1H40Min Half 3H40Min	Full 1H40Min Half 3H40Min	Normal 2.5H Turbo 7H
MATERIAL	ABS / PC	ABS / PC	ABS / PC	ABS / Aluminum	ABS / Aluminum	ABS / Aluminum	ABS / PC	ABS / Aluminum	ABS / Aluminum	ABS / Aluminum	ABS	ABS	ABS
WEIGHT	78g(Excl. Battery)	78g(Excl. Battery)	78g(Excl. Battery)	102g	125g	146g	68g	124g	124g	124g	124g	135g	135g
SIZE	87 x 51x 102mm	87 x 51x 102mm	87 x 51x 102mm	80 x 48x 100mm	80 x 48x 100mm	80 x 48x 100mm	87 x 46 x 104mm	76 x 44 x 102mm	76 x 44 x 102mm	76 x 44 x 102mm	119 x 48x 119mm	124 x 53x 103mm	122 x 48x 112mm
PEAK BEAM INTENSITY	2160CD	2160CD	2160CD	2500CD	2500CD	2800CD	2160CD	2500CD	2500CD	3000CD	3000CD	3000CD	3000CD
BEAM DISTANCE	92M	92M	92M	100M	100M	106M	92M	100M	110M	110M	110M	110M	110M
IMPACT RESISTANCE	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M
WATER PROOF	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4
Low Beam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
StVZO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ON AUTO OFF						✓				✓			
Day Light						✓							
PESC Tech.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Mobile Current	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
SB Smart Beam		✓			✓	✓			✓	✓			
Speed Tech.						✓				✓			
RECHARGE				✓	✓	✓		✓	✓	✓			
BATTERY	✓	✓	✓				✓				✓	✓	✓

BENEX BIKE FRONT LIGHT OVERVIEW

	ET-3152	ET-3153	ET-3153-A	ET-3155	ET-3155-C	ET-3156	ET-3157	ET-3158	ET-3158-A	ET-3159	ET-3159-A	ET-3195	ET-3121	ET-3121-B	ET-3122
PAGE	15	15	15	15	15	15	15	15	15	15	16	16	18	18	18
LUX	80LUX±20%	70LUX±20%	70LUX±20%	40LUX±20%	40LUX±20%	——	——	150LUX±20%	150LUX±20%	120LUX±20%	120LUX±20%	120LUX±20%	——	——	——
LUMENS	——	——	——	550LM±20%	550LM±20%	550LM±20%	1500LM±20%	——	——	——	——	800LM±20%	80LM	180LM	60LM
LED	OSRAM LED	OSRAM LEDx2	OSRAM LEDx2	CREE LED	CREE LED	CREE LEDx2	OSRAM LEDx2	OSRAM LED	OSRAM LED	OSRAM LEDx2	OSRAM LEDx2	OSRAM LED	OSRAM LED	CREE LED	OSRAM LED
BATTERY	3.7V / 5400mAh (1800mAh x 3)	3.7V / 7200mAh (1800mAh x 4)	3.7V / 7200mAh (1800mAh x 4)	3.7V / 4400mAh (2200mAh x 2)	3.7V / 4400mAh (2200mAh x 2)	3.7V / 5400mAh (1800mAh x 3)	3.7V / 7200mAh (1800mAh x 4)	3.7V / 7200mAh (1800mAh x 4)	3.7V / 7200mAh (1800mAh x 4)	3.7V / 7200mAh (1800mAh x 4)	3.7V / 7200mAh (1800mAh x 4)	3.7V / 7200mAh (1800mAh x 4)	3.7V / 280mAh	3.7V / 360mAh	1pc “AA” Battery
RUNTIME	——	——	——	9-60H	4.5-25H	3.5-15H	3-20H	——	——	——	——	——	2H	1.5H	2H
MATERIAL	ABS / PC	ABS / PC	ABS / PC	ABS / PC / Aluminum	ABS / PC / Aluminum	ABS / PC / Aluminum	ABS / PC / Aluminum	ABS / PC / Aluminum	ABS / PC / Aluminum	ABS / PC / Aluminum	ABS / PC / Aluminum	PMMA / Aluminum	ABS / PC	ABS / PC	ABS / PC
WEIGHT	71g	108g	108g	120g	120g	120g	120g	——	——	184g	184g	——	58g	58g	36g
SIZE	58 x 53 x 66mm	72 x 54 x 67mm	72 x 54 x 67mm	63 x 71 x 43mm	63 x 71 x 43mm	63 x 71 x 43mm	63 x 71 x 43mm	——	——	77 x 48 x 60mm	77 x 48 x 60mm	47 x 59 x 47mm	75 x 30 x 42mm	75 x 30 x 42mm	83 x 34 x 40mm
PEAK BEAM INTENSITY	——	——	——	4000CD±20%	4000CD±20%	4800CD±20%	10000CD±20%	——	——	——	——	——	1240CD	1440CD	640CD
BEAM DISTANCE	——	——	——	125M±20%	125M±20%	138M±20%	200M±20%	——	——	——	——	——	70M	75M±20%	50.5M±20%
IMPACT RESISTANT	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M
WATAR PROOF	IPX 5	IPX 5	IPX 5	IPX 4	IPX 4	IPX 4	IPX 4	IPX 5	IPX 5	IPX 5	IPX 5	IPX 5	IPX 4	IPX 4	IPX 4
Low Beam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
StVZO	✓	✓	✓					✓	✓	✓	✓	✓			
ON AUTO OFF			✓			✓	✓		✓		✓				
Day Light						✓	✓								
PESC Tech	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mobile Current	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SB Smart Beam			✓	✓	✓	✓	✓		✓		✓				
Speed Tech.															
RECHARGE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BATTERY															✓

BENEX BIKE FRONT LIGHT OVERVIEW

	ET-3190	ET-3190-1	ET-3190-2	ET-3130	ET-3130-M	ET-3130-L	ET-3178	ET-3178-A	ET-3181	ET-3181-S
PAGE	13	13	13	16	16	16	14	14	15	15
LUX	100LUX±20%	————	————	80LUX±20%	80LUX±20%	80LUX±20%	150LUX±20%	150LUX±20%	60LUX±20%	60LUX±20%
LUMENS	250LM±20%	1000LM±20%	400LM±20%	250LM±20%	250LM±20%	250LM±20%	250LM±20%	250LM±20%	350LM	550LM
LED	OSRAM LED	OSRAM LED	CREE LED	OSRAM LED	OSRAM LED	OSRAM LED	OSRAM LED	OSRAM LED	CREE LED	CREE LED
BATTERY	3.7V / 1800mAh	3.7V / 2600mAh	3.7V / 1800mAh	3.7V / 1600mAh (800mAh x 2)	3.7V / 1600mAh (800mAh x 2)	3.7V / 1600mAh (800mAh x 2)	3.7V / 2000mAh	3.7V / 2000mAh	3.7V / 1400mAh	3.7V / 1400mAh
RUNTIME	3H / 6H	2.5H / 8H / 11H	2.5H / 10H / 15H	4-15H	4-15H	4-15H	4.5H	4-12H	20H	4.5-25H
MATERIAL	ABS / PC / PMMA	ABS / PC / PMMA	ABS / PC / PMMA	ABS / PC / Aluminum	ABS / PC / Aluminum	ABS / PC / Aluminum	ABS / PC	ABS / PC	ABS / Aluminum	ABS / Aluminum
WEIGHT	116g	116g	116g	126g	126g	126g	174g	174g	120g	120g
SIZE	108 x 43 x 63mm	108 x 43 x 63mm	108 x 43 x 63mm	90 x 44 x 78mm	90 x 44 x 78mm	90 x 44 x 78mm	62 x 60 x 46mm	62 x 60 x 46mm	90 x 44 x 46mm	90 x 44 x 46mm
PEAK BEAM INTENSITY	8100CD±20%	10000CD±20%	10000CD±20%	5600CD±20%	5600CD±20%	5600CD±20%	10000CD±20%	10000CD±20%	6000CD±10%	6000CD±10%
BEAM DISTANCE	80M±20%	200M±20%	200M±20%	145M	145M	145M	220M±20%	220M±20%	155M	155M
IMPACT RESISTANT	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M
WATAR PROOF	IPX 5	IPX 5	IPX 5	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4
Low Beam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
StVZO	✓	✓	✓	✓	✓	✓	✓	✓		
ON AUTO OFF				✓	✓	✓		✓		✓
Day Light									✓	✓
PESC Tech.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mobile Current	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Smart Beam				✓	✓	✓		✓	✓	✓
Speed Tech.				✓	✓	✓				✓
RECHARGE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BATTERY										✓

FRONT LIGHT OVERVIEW

REAR LIGHT OVERVIEW

			NEW						
	ET-3131	ET-3131-B	ET-1331-B	ET-3109	ET-3108	ET-3208	ET-3203	ET-3204	ET-3206
PAGE	18	18	18 / 41	18	27	27	26	26	26
LUMENS	150LM ± 20%	50LM ± 20%	80LM ± 20%	20LM±20%	60LM	2.5LM	4.8LM	5LM	4.5LM
LED	3 pcs SAMSUNG LED	3 pcs SAMSUNG LED	12pcs White light COB LED	3pcs White light LED	2pcs White light LED	2pcs light LED	3pcs Red light LED	3pcs Red light LED	3pcs Red light LED
BATTERY	1pc 3.7V 200mAh	1pc "AA" Battery	1PC 3.7V / 200mAh	3pcs "AAA" Batteries	2pcs 3.6V "2032"	2pcs 3.6V "2032"	2pcs "AAA" Batteries	2pcs "AAA" Batteries	2pcs "AAA" Batteries
RUNTIME	Steady 2H ± 20% Flashing 4H ± 20%	Steady 5H ± 20% Flashing 10H ± 20%	Steady 6H→ Breathing 11H → Fireworks 30H→ Heartbeat 16H → Pulse 21H → Roadside warning 19H	18H	2H	6.5H	10.5H	7.5H	9H
MATERIAL	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC / Silicone	ABS / PC / Silicone	ABS / PC	ABS / PC	ABS / PC
WEIGHT	20g	16g	18g	55g	28g	28g	48g	45g	73g
SIZE	65 x 25 x 22mm	65 x 25 x 22mm	40 x 40 x 22mm	82 x 49 x 74mm	60 x 35 x 61mm	45 x 32 x 47mm	116 x 46 x 42mm	103 x 63 x 50mm	103 x 65 x 44.5mm
PEAK BEAM INTENSITY	70CD	20CD	20CD	200CD	640CD	20CD	2CD	3.5CD	3.5CD
BEAM DISTANCE	16.5M	9M	9M	28M	10M	9M			
IMPACT RESISTANCE	1M	1M	1M	1M	1M	1M	1M	1M	1M
WATER PROOF	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 3	IPX 3	IPX 4
SIVZO							✓	✓	✓
PESC Tech	✓	✓							
Mobile Current	✓	✓							
RECHARGE	✓								
BATTERY		✓		✓	✓	✓	✓	✓	✓

REAR LIGHT OVERVIEW

	Rack Taillight		Rack Taillight		NEW E-Bike Rack Taillight	NEW E-Bike Rack Taillight	NEW E-Bike Fender Taillight	NEW E-Bike Fender Taillight	NEW				NEW	
	ET-3213-C50 ET-3213-C80	ET-3213-CE50 ET-3213-CE80	ET-3213-E50 ET-3213-E80	ET-3213-AE50 ET-3213-AE80	ET-3214-C	ET-3214-CR	ET-3214-CF	ET-3214-F	ET-3215-C	ET-3230	ET-3230-B	ET-3230-1	ET-1330-K	ET-1330-B
PAGE	12 / 22	7 / 22	7 / 22	7 / 22	8 / 21	8 / 21	8 / 21	8 / 21	23	24	24	24	27 / 41	27 / 41
LED	2PCS RED LED	2PCS RED LED	7PCS RED LED	7PCS RED LED	8PCS RED LED			8PCS RED LED	8PCS RED LED	3pcs RED LED	3pcs RED LED	3pcs RED LED	12pcs RED light COB LED	12pcs RED light COB LED
POWER SOURCE	Dynamo AC 6V	E-Bike DC 6V-12V	E-Bike DC 6V-12V	E-Bike DC 6V-12V	E-Bike DC 6~36V			E-Bike DC 6~36V	360mAh (2pcs 3.7V / 180mAh)	1pc 3.7V 200mAh	1PC "AAA" Battery	1pc 3.7V 200mAh	1PC 3.7V / 230mAh	1PC 3.7V / 200mAh
RUNTIME	—	—	—	—	—	—	—	—	2.5H	4H	High 5.5H Flashing 11H	High 4H Flashing 9.5H	3H	Steady 6H → Breathing 10H → Fireworks 30H → Heartbeat 17H → Pulse 21.5H → Roadside warning 18.5H
SIZE	111 x 36 x 40mm	111 x 36 x 40mm	111 x 36 x 40mm	111 x 36 x 40mm	94 x 36 x 52mm	94 x 36 x 52mm	94 x 36 x 52mm	94 x 36 x 52mm		65 x 25 x 22mm	65 x 25 x 22mm	65 x 25 x 22mm	40 x 40 x 22 mm	40 x 40 x 22 mm
REFLECTOR	✓	✓	✓	✓	—	✓	—	—		—	—	—	—	—
MATERIAL	ABS / Acrylic	ABS / Acrylic	ABS / Acrylic	ABS / Acrylic	ABS / PC	ABS / PC / Acrylic	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC
WEIGHT	70g	70g	70g	70g						20g	16g	20g	18g	18g
FUNCTIONS	—	—	—	—	—	—	—	—	ON - OFF	ON - OFF	ON - Flashing - OFF	ON - Flashing - OFF	ON - OFF	Steady → Breathing → Fireworks → Heartbeat → Pulse → Roadside warning
WATER PROOF	IPX 4	IPX 4	IPX 4	IPX 4	IP67	IP6	IP67	IP67	IPX 5	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4
IMPACT RESISTANCE	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M
StVZO	✓	✓	✓	✓	✓	✓	✓		✓	✓			✓	
SMBrake Tech				✓										
4Mins Standlight	✓													
ECE Regulation			✓		✓	✓		✓						
RECHARGE									✓	✓		✓	✓	✓
BATTERY											✓			

REAR LIGHT OVERVIEW

	NEW	NEW					NEW		
	ET-3230-1L	ET-3230-1G	ET-3211	ET-3211-1	ET-3211-C	ET-3211-1C	ET-3211-A	ET-3212	ET-3212-1
PAGE	24	24	25	25	25	25	25	25	25
LED	5pcs RED & 1pc Green / Red	5pcs RED & 1pc Green / Red	9pcs RED LED & 1pc Green & 1pc Red	9pcs RED LED & 1pc Green & 1pc Red	9pcs RED LED & 1pc Green & 1pc Red	9pcs RED LED & 1pc Green & 1pc Red	9pcs RED LED & 1pc Green & 1pc Red	9pcs RED LED & 1pc Green & 1pc Red	9pcs RED LED
POWER SOURCE	3.7V 300mAh	3.7V 300mAh	3.7V 550mAh	3.7V 550mAh	3.7V 550mAh	3.7V 550mAh	3.7V 550mAh	1pc "AAA" Battery	1pc "AAA" Battery
RUNTIME	6H	——	6H	Breathing 10H Steady 6H Flashing 10H	6H	Breathing 10H Steady 6H Flashing 10H	——	2.5H	Steady 2.5H Flashing 10H
SIZE	65 x 25 x 33mm	65 x 25 x 33mm	42 x 29 x 77mm	42 x 29 x 77mm	42 x 29 x 77mm	42 x 29 x 77mm	42 x 29 x 77mm	42 x 29 x 77mm	42 x 29 x 77mm
MATERIAL	PC	PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC	ABS / PC
WEIGHT	25g	25g	39g	39g	39g	39g	39g	39g	39g
FUNCTIONS	ON - OFF Simulate radar function	AUTO - Manual - OFF (AUTO ON / OFF) Smart Brake Tech.	AUTO - Manual - OFF (AUTO ON / OFF)	Breathing - Steady - Flashing - OFF AUTO ON / OFF	ON - OFF	Breathing - Steady - Flashing - OFF	AUTO - Manual - OFF (AUTO ON / OFF) Smart Brake Tech.	ON - OFF	Steady - Flashing - OFF
WATER PROOF	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4
IMPACT RESISTANCE	1M	1M	1M	1M	1M	1M	1M	1M	1M
StVZO			✓		✓		✓	✓	
ON AUTO OFF			✓	✓			✓		
SMBrake Tech		✓					✓		
4Mins Standlight									
ECE Regulation									
RECHARGE	✓	✓	✓	✓	✓	✓	✓		
BATTERY								✓	✓

REAR LIGHT OVERVIEW

				NEW										
	ET-3210	ET-3210-1	ET-3210-C	ET-1322-W	ET-1322-R	ET-1322-WR	ET-3207-S	ET-3207-1S	ET-3207-US	ET-3207-U1S	ET-3209-S	ET-3209-1S	ET-3209-US	ET-3209-U1S
PAGE	26	26	26	41	41	41	26	26	26	26	26	26	26	26
LED	4pcs RED LED	4pcs RED LED	4pcs RED LED	2pcs Samsung White LED	2pcs RED LED	1pc Samsung White LED 1pcRED LED	3pcs RED LED & 1pc Power Indicator	3pcs RED LED & 1pc Power Indicator	3pcs RED LED & 1pc Power Indicator	3pcs RED LED & 1pc Power Indicator	3pcs RED LED & 1pc Power Indicator	3pcs RED LED & 1pc Power Indicator	3pcs RED LED & 1pc Power Indicator	3pcs RED LED & 1pc Power Indicator
POWER SOURCE	3.7V 1000mAh	3.7V 1000mAh	3.7V 700mAh	2pcs " CR2032 " Batteries	2pcs " CR2032 " Batteries	2pcs " CR2032 " Batteries	2pcs " CR2032 " Batteries	2pcs " CR2032 " Batteries	1pc " LIR2477 " 150mAh	1pc " LIR2477 " 150mAh	2pcs " CR2032 " Batteries	2pcs " CR2032 " Batteries	1pc " LIR2477 " 150mAh	1pc " LIR2477 " 150mAh
RUNTIME	10H	Steady 10 H Flashing 18 H Breathing 17 H	7H	White 100H White Flashing 100H	RED 100H RED Flashing 140H	White 20H RED 20H White Flashing 35 RED Flashing 35H	50H	Full 30H Flashing 60H Breathing 50H	4H	Full 4H Flashing 20H Breathing 7H	50H	Full 30H Flashing 60H Breathing 50H	4H	Full 4H Flashing 20H Breathing 7H
SIZE	80 x 76 x 24mm	80 x 76 x 24mm	80 x 76 x 24mm	35 x 35 x 23mm	35 x 35 x 23mm	35 x 35 x 23mm	68 x 43 x 38mm	68 x 43 x 38mm	68 x 43 x 38mm	68 x 43 x 38mm	68 x 43 x 38mm	68 x 43 x 38mm	68 x 43 x 38mm	68 x 43 x 38mm
MATERIAL	ABS / PC	ABS / PC	ABS / PC	Silicon/ PC	Silicon/ PC	Silicon/ PC	TPR / PC	TPR / PC	TPR / PC	TPR / PC	TPR / PC	TPR / PC	TPR / PC	TPR / PC
WEIGHT	55g	55g	55g	14g	14g	14g	21g	34g	54g	54g	28g	38g	56g	56g
FUNCTIPONS	ON - OFF AUTO ON / OFF	Auto → Manual AUTO ON / OFF	ON - OFF	ON - White - Flashing - OFF	ON - Red - Flashing - OFF	ON - White -Red - White Flashing - Red Flashing - OFF	ON - OFF	Full - Flashing - Breathing - OFF	ON - OFF	Full - Flashing - Breathing - OFF	ON - OFF	Full - Flashing - Breathing - OFF	ON - OFF	Full - Flashing - Breathing - OFF
WATAR PROOF	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4	IPX 4
IMPACT RESISTANT	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M
StVZO							✓		✓		✓		✓	
ON AUTO OFF	✓	✓												
SMBrake Tech														
4Mins Standlight														
ECE Regulation														
RECHARGE	✓	✓	✓						✓	✓			✓	✓
BATTERY				✓	✓	✓	✓	✓			✓	✓		

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