



2024 LIGHT PRODUCTS CATALOG

车灯产品目录册



STAR UNION
WUXING



COMPANY PROFILE

历史：

1985 年创立。

1992 年进军自行车领域。

1997 年专注于电动自行车零部件的设计研发、生产制造与营销。

2010 年成立高端事业部，完全独立的研产销团队、全新优化的配套体系，以欧美标准为定位服务于一线品牌。

规模：

四个公司：五星车业、五星（天津）、浙江图谱、星联（德国）。

七个事业部：欧标事业部，国标事业部，车灯事业部，碟刹事业部，动力系统事业部，仪表事业部、高端事业部。

三个制造基地：五星国标厂、五星欧标厂、五星天津。

三个品牌：star union wuxing、wuxing、Topology。

一个集团化的统一经营管理中心

职工 1300 余人，其中研发与技术人员 125 余人、品控人员 90 余人，生产与供应及后勤保障人员 400 余人。

产品：

四大车型配件：助力车、微型车、国标车、电摩车。

全系产品：中置电机、轮毂电机、控制器、仪表、液压碟刹、电控开关、断电式刹把、LED 前后灯具、调速转把等电装类产品与一站式解决方案。

销售网络：

在德国法兰克福、台湾台中、越南河内、天津、无锡、深圳、金华永康、台州、成都等国内外地区建立多个销售公司 & 营业据点，同时还拥有线上阿里巴巴。

网络订购服务与销售平台，服务全球优质客户 430 余家。

研发能力：

公司具有九大项目的研发团队和专业的研发技术能力，拥有众多的工业设计、结构工程、软件工程、电子硬件工程、生产技术工程、光学工程、品管工程人员。

拥有发明、实用新型、外观等专利 300 余项。是中国两轮行业中第一家也是目前止唯一一家拥有 CNAS 实验室的零件企业。

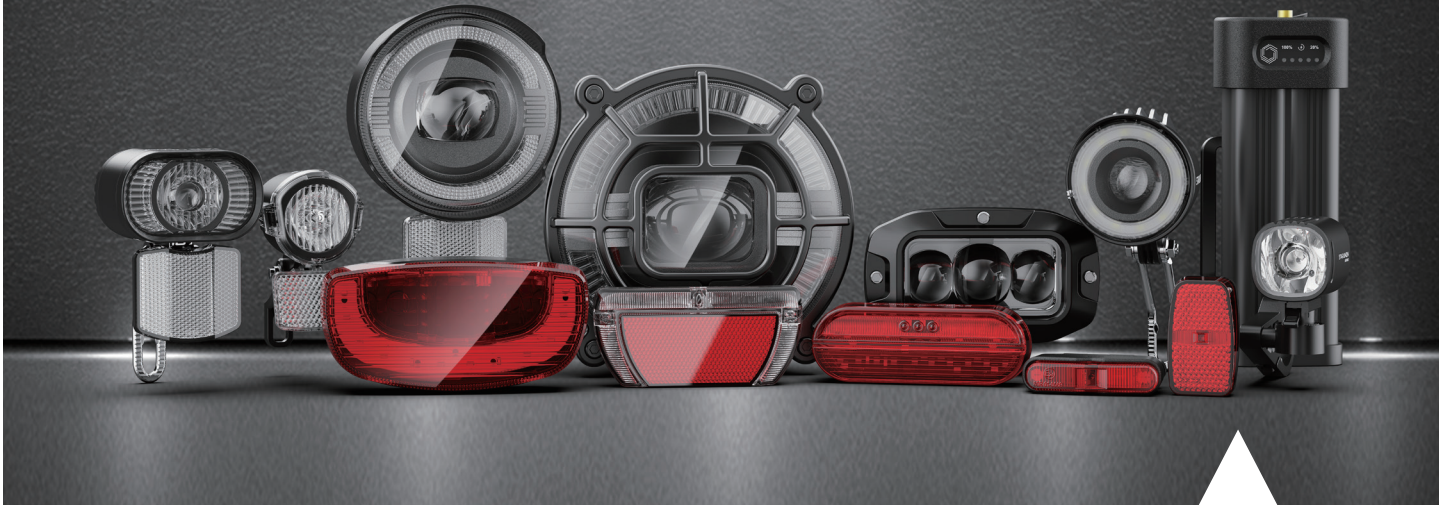
愿景：

我们以做全球两轮界电装系统知名品牌为企业愿景、以绿色出行创造完美体验为使命、争做百年企业，标杆性企业，为行业的成长与提升作出应有的努力。

- Established in 1985, entered bicycle industry in 1992.
- Engaged in design, manufacturing and marketing of electric bicycle parts and components since 1997.
- "Star Union" established in 2010 as independent high-end business division with specialized teams for research, marketing and production.
- Four manufacturing bases, three brands, over 1300 employees.
- Products include electric bicycles, mini e-scooters, GB e-bikes, and electric motorcycles.
- Over 300 patented inventions and CNAS laboratory.



DECLARATION OF CONFORMITY



- Laboratory accredited by CNAS (registration number: CNAS L13401)
- Complies with CQC, RoHS, CCC, CE, ECE R113/R50/R3, German road traffic permit regulations, and GB/T 31887
- Ability to carry out testing services and independent products in accordance with accreditation criteria and capabilities
- Products include Hall handles, grips, electric controllers, brake levers, meters, headlights, taillights, and motors
- Some national standard headlights, taillights, and motors have obtained 3C certification
- Mid-mounted motor, Topology display instruments, headlights, and taillights have obtained CE certification



RoHS



39
YEARS
PROFESSIONAL
QUALITY

- The product content has been verified but may contain mistakes and omissions.
- Instructions in the manual may be adjusted without prior notice due to market factors.
- The content of this instruction is not part of the contract and the company reserves the right to final interpretation.
- Actual contract terms prevail over all operations.
- Customized products listed indicate our capability and intention to produce and develop them.
- For details, please contact Star Union Wuxing business department or designated agents.





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HEAD LIGHT

QD526 /

采用优质 LED 光源及半铝外壳，保证高亮度的同时满足 LED 的散热需求；符合 ECE、ISO；采用高效透镜（近光）、厚壁光导（日行灯）配光设计方案；集合日行灯、近光灯和喇叭警示功能；采用高分贝陶瓷蜂鸣片，专用的驱动芯片，输出更稳定、悦耳的音质；反光片快速拆装设计；适用出口助力自行车、电动自行车、电动摩托车等两轮三轮代步车。

QD256 uses high-quality LED light source and semi-aluminum shell to ensure high brightness and meet the heat dissipation requirements; Comply with ECE and ISO; The light distribution design scheme of high efficiency lens (low beam) and thick wall light guide (daytime running light); It integrated the horn warning function , daytime running light and low beam light together; High decibel ceramic buzzer chip and special driver chip to output more stable and pleasant sound quality; Quick release and assembly design of reflector; It is suitable for bicycles, ebikes, motorcycles ,two wheel and tricycles.



QD522 /

采用优质 LED 光源及半铝外壳，保证高亮度的同时满足 LED 的散热需求；符合 ECE、ISO、CE；采用聚光透镜配光方案、驱动程序优化的照明系统、光线稳定；集合日行灯、近光灯和喇叭警示功能；采用高分贝陶瓷蜂鸣片，专用的驱动芯片，输出更稳定、悦耳的音质；反光片快速拆装设计。

QD522 uses high-quality LED light source and semi-aluminum shell to ensure high brightness and meet the heat dissipation requirements; Comply with ECE and ISO; The stable lighting system optimized by condenser lens.It integrated the horn warning function , daytime running light and low beam light together; High decibel ceramic buzzer chip and special driver chip to output more stable and pleasant sound quality; Quick release and assembly design of reflector.



QD526 /

标准 / Approval	ISO / ECE Class B / CE	ISO / ECE Class B / CE	ISO / ECE Class B / CE
尺寸 / Size	L62.7mm W96mm H190mm	L62.7mm W96mm H190mm	L62.7mm W96mm H190mm
重量 / Weight	291g	248g	248g
芯线 / Wiring	3 Pins	2 Pins	4 Pins
防水 / Waterproof	IPX5	IPX5	IPX5
电压 / Voltage	DC 12V / 36-48V	12-60V	36-48V
中心照度 / Center Luminance	80LUX	80LUX	80LUX
光源类型 / Light Source	LED	LED	LED
喇叭 / Horn	×	×	●
功率 / Power	日行灯:4W; 近光灯:5.5W Day light:4W;Low beam:5.5W	日行灯:4W; 近光灯:5.5W Day light:4W;Low beam:5.5W	日行灯:4W; 近光灯:5.5W Day light:4W;Low beam:5.5W



QD522 /

标准 / Approval	ISO / ECE Class A / CE	ISO / ECE Class A / CE	ISO / ECE Class A / CE
尺寸 / Size	L69mm W65mm H108mm	L69mm W65mm H108mm	L69mm W65mm H108mm
重量 / Weight	115g	110g	110g
芯线 / Wiring	2 Pins / 3 Pins / 4 Pins	3 Pins	3 Pins
防水 / Waterproof	IPX5	IPX5	IPX5
电压 / Voltage	DC 12V / 36-48V	36-48V	36-48V
中心照度 / Center Luminance	50LUX	50LUX	50LUX
光源类型 / Light Source	LED	LED	LED
喇叭 / Horn	●	×	●
功率 / Power	日行灯:0.4W; 近光灯:4W; 喇叭:2.4W Day light:0.4W;Low beam:4W;Horn:2.4W	日行灯:0.4W; 近光灯:4W Day light:0.4W;Low beam:4W	日行灯:0.4W; 近光灯:6.5W; 喇叭:2.4W Day light:0.4W;Low beam:4W;Horn:2.4W

QD472 /

QD472 车灯是一款带日行灯、近光灯、远光灯的多功能前大灯，采用优质 LED 光源及全铝外壳，保证高亮度的同时满足 LED 的散热需求。目前有三个版本可选，满足整车厂对不同功能及成本的需求。

D472 light is a multi-function headlight with daytime light, low beam and high beam. It adopts high-quality LED light source and all-aluminum shell to ensure high brightness and meet the heat dissipation requirements of LED. There are currently three versions available to meet the needs of e-bike assembly factory for different functions and costs.



QD260 /

经典外观设计、全铝外壳，提供铝本色和黑色可选；采用反射式自由曲面灯杯配光及驱动程序优化的照明系统、光线稳定；侧向透光，10 米处中心照度可达 100Lux 以上、适用于助力车及高速 E-BIKE；具有清晰的亮 / 暗分界，在近距离照明范围内建立一个良好、均匀的光场；反光片快速拆装设计。

Classic appearance design, all aluminum shell, available in aluminum original color and black; it uses reflective free curved surface cup light distribution and driver optimization light system, which provide a stable light transmission and sde light transmission. The central illumination at 10 meter can reach more than 100lux, which is suitable for electric mopeds and high-speed E-bike; It has a clear bright / dark boundary and establishes a good and uniform light field within the close range of illumination; Quick disassembly design of reflector is available.



QD260 /



标准 / Approval	StvZO / ISO / GB / ECE Class B / CE	尺寸 / Size	L55mm W47mm H47mm
重量 / Weight	120g	芯线 / Wiring	2 Pins
防水 / Waterproof	IPX5	电压 / Voltage	DC 6-60V
中心照度 / Center Luminance	100LUX	光源类型 / Light Source	LED
功率 / Power	5W		



标准 / Approval	ECE Class B / ECE R87 / CE	尺寸 / Size	L145.1mm W98.3mm H145.1mm
重量 / Weight	173.5g	芯线 / Wiring	4 Pins
防水 / Waterproof	IPX6	电压 / Voltage	12V / 36-48V / 72V
中心照度 / Center Luminance	230LUX	光源类型 / Light Source	LED
功率 / Power	12V: 日行灯 11W; 近光灯 8.5W; 远光灯 8.5W / 12V:Day light 11W;Low beam 8.5W;High beam 8.5W 36-48V: 日行灯 9.4W; 近光灯 7W; 远光灯 7W / 36-48V:Day light 9.4W;Low beam 7W;High beam 7W 72V: 日行灯 5W; 近光灯 6.5W; 远光灯 6.3W / 12V:Day light 5W;Low beam 6.5W;High beam 6.3W		

QD260-2 /



远、近光模式，提供切换开关组件，可满足骑手户外严苛环境下的照明需求，经典外观设计、全铝外壳，提供铝本色和黑色可选；采用反射式自由曲面灯杯配光及驱动程序优化的照明系统、光线稳定；侧向透光。

Far and low beam modes, with switching components, can meet the lighting needs of riders in harsh outdoor environment. The classic appearance design and all aluminum shell with aluminum original color and black selectable; The lighting system with free curved reflective surface cup light distribution and driver optimization, which provides a stable light and side light transmission.

标准 / Approval	ISO / CE	尺寸 / Size	L55mm W47mm H47mm
重量 / Weight	120g	芯线 / Wiring	2 Pins
防水 / Waterproof	IPX5	电压 / Voltage	DC 12-60V
中心照度 / Center Luminance	近光灯:55LUX ; 远光灯:110LUX Low beam:55LUX;High beam:110LUX	光源类型 / Light Source	LED
功率 / Power	近光灯:2.2W ; 远光灯:7.4W Low beam:2.2W;High beam:7.4W		



QD213-2 /

复古外观设计、采用反射式自由曲面灯杯配光及驱动程序优化的照明系统、光线稳定；侧向透光,10 米处中心照度可达 40Lux、适用于电力车及滑板车；具有清晰的亮 / 暗分界，在近距离照明范围内建立一个良好、均匀的光场；反光片快速拆装设计。

Retro appearance design, using reflective free-form light cup lighting and driver optimized lighting system, light stability; Lateral transmittance, center illuminance up to 40Lux at 10 meters, suitable for electric bikes and scooters; With a clear bright/dark boundary, in the range of close lighting to establish a good, uniform light field; Reflector quick disassembly design.

标准 / Approval	StVZO / CE	尺寸 / Size	L49mm W52mm H53mm(Without bracket)
重量 / Weight	60g	芯线 / Wiring	2 Pins
防水 / Waterproof	IPX4	电压 / Voltage	DC 6-48V / AC 6V
中心照度 / Center Luminance	30LUX	光源类型 / Light Source	LED
功率 / Power	1.8W		



QD500 /

复古外观设计、采用反射式自由曲面灯杯配光及驱动程序优化的照明系统、光线稳定；侧向透光,10 米处中心照度可达 40Lux、适用于电力车及滑板车；具有清晰的亮 / 暗分界，在近距离照明范围内建立一个良好、均匀的光场；反光片快速拆装设计。

Retro appearance design, using reflective free-form light cup lighting and driver optimized lighting system, light stability; Lateral transmittance, center illuminance up to 40Lux at 10 meters, suitable for electric bikes and scooters; With a clear bright/dark boundary, in the range of close lighting to establish a good, uniform light field; Reflector quick disassembly design.

标准 / Approval	ISO / StVZO / ECE / CE	尺寸 / Size	L80mm W62mm H35mm
重量 / Weight	38g	芯线 / Wiring	2 Pins
防水 / Waterproof	IPX5	电压 / Voltage	DC 6-20V
中心照度 / Center Luminance	40LUX	光源类型 / Light Source	LED
功率 / Power	1.8W		



QD197 /

灯杯式配光，搭配高功率 LED 光源，采用了铝制散热元件，避免元器件过热以及高功率 LED 的光衰问题。安装支架通过 72 小时盐雾测试，固定方式简便、可靠，角度可调节，可搭配多种车型。

Lamp-type light distribution, with high-power LED light source, adopts aluminum heat-dissipating components to avoid overheating of components and light attenuation problems of high-power LEDs. The mounting bracket has passed the 72-hour salt spray test. The fixing method is simple and reliable. The angle can be adjusted to match a variety of models.

标准 / Approval	StVZO	尺寸 / Size	L46mm W49mm H65mm
重量 / Weight	56g	芯线 / Wiring	2 Pins
防水 / Waterproof	IPX4	电压 / Voltage	DC 6-48V / AC 6V
中心照度 / Center Luminance	30LUX	光源类型 / Light Source	LED
功率 / Power	1.8W		



QD199-2 /

按照新国标配光要求，采用光学透镜；采用高功率 LED 光源，在十米距离处光斑最大照度达到 20Lux。专用的驱动芯片，输出更稳定、悦耳的音质。可选择不锈钢或电泳黑支架。

According to the new national standard light distribution requirements, optical lenses are used; High-power LED light sources are used, and the maximum spot illumination at a distance of ten meters reaches 20 Lux. Dedicated driver chip for more stable and pleasant sound quality. Choice of stainless steel or electrophoretic black bracket.

标准 / Approval	ISO / GB / CE	尺寸 / Size	L75mm W56mm H69.2mm
重量 / Weight	65g	芯线 / Wiring	2 Pins / 3 Pins
防水 / Waterproof	IPX4	电压 / Voltage	36-48V
中心照度 / Center Luminance	20LUX	光源类型 / Light Source	LED
功率 / Power	2.4W	喇叭 / Horn	85±5dB



QD238-2 /

标准 / Approval	ISO / CE	尺寸 / Size	L78mm W52mm H42mm
重量 / Weight	62g	芯线 / Wiring	2 Pins
防水 / Waterproof	IPX4	电压 / Voltage	DC 6V
中心照度 / Center Luminance	30LUX	光源类型 / Light Source	LED
功率 / Power	1.8W		





QD228 /



带日行灯和喇叭功能，透镜式配光，搭配高功率 LED 光源，采用了铝外壳散热，避免元件过热以及 LED 的光衰问题。安装支架通过 72 小时盐雾测试，固定方式简便、可靠，角度可调节，可搭配多种车型。

With daytime running light and horn function, lens-type light distribution, and high-power LED light source, adopts aluminum case to dissipate heat, avoiding component overheating and LED light decay problem. The mounting bracket has passed the 72-hour salt spray test. The fixing method is simple and reliable, and the angle can be adjusted to match a variety of models.

标准 / Approval	ECE Class A	尺寸 / Size	L73.5mm W60mm H73.5mm
重量 / Weight	95g	芯线 / Wiring	2 Pins / 4 Pins
防水 / Waterproof	IPX4	电压 / Voltage	DC 6-48V
中心照度 / Center Luminance	20LUX	光源类型 / Light Source	LED
功率 / Power	日行灯:1.7W ; 近光灯:1.7W Day light:1.7W;Low beam:1.7W		
		喇叭 / Horn	85±5dB



QD228-2 /



带日行灯和喇叭功能，透镜式配光，搭配高功率 LED 光源，采用了铝外壳散热，避免元件过热以及 LED 的光衰问题。安装支架通过 72 小时盐雾测试，固定方式简便、可靠，角度可调节，可搭配多种车型。

With day light and horn function, lens type light distribution, with high power LED light source, aluminum shell heat dissipation, to avoid overheating of components and LED light decline. The mounting bracket has passed the 72-hour salt spray test. The fixing method is simple and reliable, and the Angle can be adjusted. It can be matched with a variety of models.

标准 / Approval	ISO / GB / CE	尺寸 / Size	L73.5mm W60mm H73.5mm
重量 / Weight	95g	芯线 / Wiring	2 Pins / 4 Pins
防水 / Waterproof	IPX4	电压 / Voltage	48V
中心照度 / Center Luminance	20LUX	光源类型 / Light Source	LED
功率 / Power	日行灯:1.7W ; 近光灯:2W Day light:1.7W;Low beam:2W		
		喇叭 / Horn	85±5dB



QD228-3 /



带日行灯和喇叭功能，透镜式配光，搭配高功率 LED 光源，采用了铝外壳散热，避免元件过热以及 LED 的光衰问题。安装支架通过 72 小时盐雾测试，固定方式简便、可靠，角度可调节，可搭配多种车型。

With daytime running light and horn function, lens-type light distribution, and high-power LED light source, adopts aluminum case to dissipate heat, avoiding component overheating and LED light decay problem. The mounting bracket has passed the 72-hour salt spray test. The fixing method is simple and reliable, and the angle can be adjusted to match a variety of models.

标准 / Approval	ISO / CE	尺寸 / Size	L73.5mm W60mm H73.5mm
重量 / Weight	95g	芯线 / Wiring	2 Pins / 3 Pins
防水 / Waterproof	IPX4	电压 / Voltage	DC 36-48V
中心照度 / Center Luminance	50LUX	光源类型 / Light Source	LED
功率 / Power	日行灯:1.7W ; 近光灯:3W Day light:1.7W;Low beam:3W		
		喇叭 / Horn	85±5dB



QD560 /



标准 / Approval	ECE classB	尺寸 / Size	L110mm W64mm H144mm
重量 / Weight	430g	芯线 / Wiring	4 Pins
防水 / Waterproof	IPX5	电压 / Voltage	DC 12-48V
功率 / Power	近光灯 :8.2W ; 远光灯:16W Low beam:8.2W;High beam:16W		
		光源类型 / Light Source	LED



QD240 /



采用了铝制散热元件，将 LED 工作时的热量导出，避免元器件过热以及 LED 的光衰问题；反光片可自主选择是否搭配，满足更多需求；不锈钢支架，长达 3 年不会生锈。

Using the original aluminum heat, when the heat LED operating derived, to avoid overheating and component failure problems LED light; sheeting can choose whether to mix, to meet the increased; Stainless steel frame, up to 3 years will not rust.

标准 / Approval	SiVZO / CE	尺寸 / Size	L55mm W47mm H43mm[Without bracket]
重量 / Weight	56g	芯线 / Wiring	2 Pins
防水 / Waterproof	IPX4	电压 / Voltage	DC 6-60V / AC 6V
中心照度 / Center Luminance	40LUX	光源类型 / Light Source	LED
功率 / Power	1.8W		





QD470-4 /

MINI 造型，全塑外壳，采用聚光式透镜配光方案，驱动程序优化的照明系统，具有清晰的亮 / 暗分界，在近距离照明范围内建立更为宽阔的光场。10 米距离处光斑中心照度达到 40Lux 以上。

MINI model, fully plastic housing, using a condensing lens light distribution scheme, optimized lighting driver system with a clear bright/dark boundary, which creating a wider light field within the close range of illumination. The illumination from the center of the light spot at a distance of 10 meters reaches above 40 Lux.

标准 / Approval	ISO6742	尺寸 / Size	L48mm W35mm H88mm
重量 / Weight	50g	芯线 / Wiring	2 Pins
防水 / Waterproof	IPX5	电压 / Voltage	DC 6-12V / 48V
中心照度 / Center Luminance	40LUX	光源类型 / Light Source	LED
功率 / Power	2.5W		



QD252 /

灯杯式配光，反光片可自主选择是否搭配，满足更多需求；采用高分贝陶瓷蜂鸣片，专用的驱动芯片，输出更稳定、悦耳的音质；不锈钢或喷塑支架，长达 3 年不会生锈。

Cup light distribution, Free choice of reflectors to match or not to meet different kind of requirements ; High decibel ceramic buzzer chip and special driver chip are adopted to make a stable output and pleasant sound quality; Stainless steel or plastic bracket, which will not rust for up to 3 years.

标准 / Approval	ISO / CE / GB	尺寸 / Size	L66mm W53mm H54mm(Without bracket)
重量 / Weight	90g	芯线 / Wiring	2 Pins / 3 Pins
防水 / Waterproof	IPX4	电压 / Voltage	DC 12-60V
中心照度 / Center Luminance	30LUX	光源类型 / Light Source	LED
功率 / Power	2W	喇叭 / Horn	85±5dB



QD139-2 /

采用高功率 LED 光源，在十米距离处光斑最大照度达到 30Lux。专用的驱动芯片，输出更稳定、悦耳的音质。可选择不锈钢或电泳黑支架。

Using high-power LED light source, the maximum illuminance of the light spot at a distance of ten meters reaches 30 Lux. Dedicated driver chip for more stable and pleasant sound quality. Choice of stainless steel or electrophoretic black bracket.

尺寸 / Size	L63mm W66mm H52mm	芯线 / Wiring	2 Pins / 3 Pins
重量 / Weight	85g	电压 / Voltage	DC 12-60V
防水 / Waterproof	IPX4	光源类型 / Light Source	LED
中心照度 / Center Luminance	30LUX	喇叭 / Horn	85±5dB
功率 / Power	1.7W		



QD236 /

灯杯式配光，反光片可自主选择是否搭配，满足更多需求；采用高分贝陶瓷蜂鸣片，专用的驱动芯片，输出更稳定、悦耳的音质；不锈钢或喷塑支架，长达 3 年不会生锈。

Cup light distribution, Free choice of reflectors to match or not to meet different kind of requirements ; High decibel ceramic buzzer chip and special driver chip are adopted to make a stable output and pleasant sound quality; Stainless steel or plastic bracket, which will not rust for up to 3 years.

尺寸 / Size	L66mm W52mm H71mm(Without bracket)	芯线 / Wiring	2 Pins / 3 Pins
重量 / Weight	85g	电压 / Voltage	DC 12-60V
防水 / Waterproof	IPX4	光源类型 / Light Source	LED
中心照度 / Center Luminance	30LUX	喇叭 / Horn	85±5dB
功率 / Power	2.2W		



QD500-2 /

经典外观设计、装配于车辆立管（适合外径 44-55mm）；符合 StVZO、ISO、ECE；采用反射式自由曲面灯杯配光及驱动程序优化的照明系统、光线稳定；侧向透光，10 米距离处光板最大中心照度达到 40Lux；具有清晰的亮 / 暗分界，在近距离照明范围内建立一个良好、均匀的光场；反光片超声波焊接安装；适用助力车、折叠车、滑板车等。

Classic appearance design, assembled on bicycle stem (suitable for diameter of 44-55mm); Comply with StVZO, ISO, ECE; T The stable lighting system optimized by reflective free-form curve cup light distribution and driver; Lateral light transmission, the maximum central illumination of the light plate at a distance of 10 meters reaches 40 Lux; It has a clear light/dark boundary and establishes a good and uniform light field within the range of close illumination; Ultrasonic welding and installation of reflector; Applicable to pedelecs, folding bikes, scooters, etc.

标准 / Approval	StVZO / ISO / ECE / CE	尺寸 / Size	L80mm W62mm H35mm
重量 / Weight	38g	芯线 / Wiring	2 Pins
防水 / Waterproof	IPX5	电压 / Voltage	6-20V
中心照度 / Center Luminance	40LUX	光源类型 / Light Source	LED
功率 / Power	2W		



QD266-2 /

外形硬朗、时尚；适用助力车、折叠车、滑板车等；采用光学级 PMMA 透镜配光，汽车级高功率 LED；装配于车辆立管（适合外径 44-55mm），带喇叭功能。

The appearance is tough and fashionable;It is suitable for electric mopeds,folding bikes,scooters,etc;It uses optical PMMA lens to distribute light and automotive-grade high-power LED;Assembled on vehicle standpipe[suitable for outer diameter 44-55mm],with horn function.

标准 / Approval	ISO / GB / CE	尺寸 / Size	L73.8mm W45.9mm H90.3mm
重量 / Weight	84g	芯线 / Wiring	2 Pins / 3 Pins
防水 / Waterproof	IPX4	电压 / Voltage	36-48V
中心照度 / Center Luminance	20LUX	光源类型 / Light Source	LED
功率 / Power	2.2W	喇叭 / Horn	85±5dB





QD213 /



灯杯式配光，搭配高功率 LED 光源，采用了铝制散热元件，避免元器件过热以及高功率 LED 的光衰问题。安装支架通过 72 小时盐雾测试，固定方式简便、可靠，角度可调节，可搭配多种车型。

Lamp cup type light distribution,with high power LED light source,the use of aluminum cooling elements,to avoid overheating components and high power LED light failure.The mounting bracket has passed the 72-hour salt spray test.The fixing method is simple and reliable,and the Angle can be adjusted.It can be matched with a variety of models.

标准 / Approval	StVZO / CE	尺寸 / Size	L49mm W52mm H53mm(Without bracket)
重量 / Weight	60g	芯线 / Wiring	2 Pins
防水 / Waterproof	IPX4	电压 / Voltage	DC 6-48V / AC 6V
中心照度 / Center Luminance	30LUX	光源类型 / Light Source	LED
功率 / Power	1.8W		



QD302 /



外形圆润、时尚，完全符合新国标认证的网篮灯，采用双透镜搭配反光片设计；当环境亮度改变时，灯内集成的感光装置可以非常灵敏的做出相应的开关灯反应；反射器满足国标 GB/T 31887.1-2019，且满足广角要求；灯罩与透镜一体式设计，与灯座超声波焊接，防水等级达到 IPX4。

Round,stylish,and fully in line with the new national standard certification of the basket lights,using dual lenses with reflective film design;When the ambient brightness changes,the integrated light sensing device in the lamp can be very sensitive to respond to the corresponding switch;Meet the national standard GB/T 31887.1-2019,and meet the wide-angle requirements;Integrated design of the lampshade and lens,ultrasonic welding with the lamp holder,waterproof grade IPX4.

标准 / Approval	GB	尺寸 / Size	L124mm W61.8mm H104mm
重量 / Weight	133.5g	芯线 / Wiring	2 Pins
防水 / Waterproof	IPX4	电压 / Voltage	DC 6-48V
中心照度 / Center Luminance	25LUX	光源类型 / Light Source	LED
功率 / Power	0.6W		



QD320 /



外形圆润、时尚，完全符合新国标认证的网篮灯，采用双透镜搭配反光片设计；当环境亮度改变时，灯内集成的感光装置可以非常灵敏的做出相应的开关灯反应；反射器满足国标 GB/T 31887.1-2019，且满足广角要求；灯罩与透镜一体式设计，与灯座超声波焊接，防水等级达到 IPX4。

Round, stylish, and fully in line with the new national standard certification of the basket lights, using dual lenses with reflective film design; When the ambient brightness changes, the integrated light sensing device in the lamp can be very sensitive to respond to the corresponding switch; Meet the national standard GB/T 31887.1-2019 , and meet the wide-angle requirements; Integrated design of the lampshade and lens, ultrasonic welding with the lamp holder, waterproof grade IPX4.

标准 / Approval	GB	尺寸 / Size	L126mm W72mm H81.5mm
重量 / Weight	173.5g	芯线 / Wiring	3 Pins
防水 / Waterproof	IPX4	电压 / Voltage	DC 12-48V
中心照度 / Center Luminance	25LUX	光源类型 / Light Source	LED
功率 / Power	0.6W	喇叭 / Horn	85±5dB



QD262 /

外形硬朗、时尚、小巧，可以适配更多车型。双透镜设计，密封防水密封胶工艺，防水等级达到 IPX6。The shape is tough, stylish and compact, which can be adapted to more models. Double lens design, waterproof sealing technology, waterproof grade up to IPX6.

尺寸 / Size	L44mm W63mm H40mm	芯线 / Wiring	2 Pins
重量 / Weight	46g	电压 / Voltage	DC 36-48V
防水 / Waterproof	IPX6	光源类型 / Light Source	LED
功率 / Power	1.5W	中心照度 / Center Luminance	15LUX



ZXD002 /



造型小巧精致，光导式设计方案，获得长条形且均匀亮度效果。

Small and exquisite shape, light guide design scheme, long strip shape and uniform brightness effect.

标准 / Approval	ISO / ECE / CE	尺寸 / Size	L56mm W70mm H60mm
重量 / Weight	43g	芯线 / Wiring	2 Pins
防水 / Waterproof	IPX6	电压 / Voltage	12V
功率 / Power	2W	光源类型 / Light Source	LED



REAR LIGHT

WD332 /

位置灯符合新国标 GB / T 31887.1-2019 标准；高功率 LED 提供光源，配置精密光导条；全密封防水设计，更加安全可靠；集刹车灯、转向灯于一体，功能强大。

The position lamp conforms with the new standard GB / T 31887.1-2019; The light source provided by a powerful LED, and it equipped with the precise light guide;Fully sealed waterproof design, and more safe and reliable; Powerful function with the integrated braking and turning light.



WD330 /

外形迷你、精致，全铝外壳，全密封防水设计；可搭配WD216-RR反射器组件。Mini and exquisite, full aluminum casing, fully sealed and waterproof design.WD216-RR reflector assembly is matchable.



<div><div>GB</div><div>CE</div></div>	WD332 /	WD332-2 /	WD332-3 /
标准 / Approval	GB / CE	GB / CE	GB / CE
尺寸 / Size	L100mm W36mm H34mm	L100mm W36mm H34mm	L100mm W36mm H34mm
重量 / Weight	65g	65g	65g
防水 / Waterproof	IPX4	IPX4	IPX4
装配 / Assemble Dimension	50 / 80mm	50 / 80mm	50 / 80mm
电压 / Voltage	DC 36-48V	DC 36-48V	DC 36-48V
光源类型 / Light Source	LED	LED	LED
功率 / Power	位置灯:1.5W Position light:1.5W	位置灯:1.5W ; 刹车灯:2.4W Position light:1.5W;Brake light:2.4W	位置灯:1.5W ; 刹车灯:2.4W ; 转向灯:2.4W Position light:1.5W;Brake light:2.4W; Turning light:2.4W

StVZO

ISO

CE

WD330 /

标准 / Approval	StVZO / ISO / CE	尺寸 / Size	L62mm W34mm H16mm
重量 / Weight	57g	装配 / Assemble Dimension	50mm
防水 / Waterproof	IPX5	电压 / Voltage	DC 6-12V
材料 / Material	PMMA+AL	光源类型 / Light Source	LED
功率 / Power	位置灯:0.3W ; 刹车灯:2.2W / Position light:0.3W;Brake light:2.2W		



WD216 /



高功率 LED 提供光源，配置精密光导条；全密封防水设计，更加安全可靠。
High power LED provides light source, equipped with precision light guide strip; Fully sealed waterproof design, more secure and reliable.

标准 / Approval	StVZO / ECE / GB / CE	尺寸 / Size	L90mm W40mm H16mm
重量 / Weight	46g	装配 / Assemble Dimension	50mm
防水 / Waterproof	IPX4	电压 / Voltage	DC 6-48V / AC 6V
功率 / Power	0.5W	光源类型 / Light Source	LED



WD312 /



单套大功率 LED 光源、导光条设计通过精确的光学设计，均匀的透射光波导经 Z 批准的 Integrated 反射镜，遵守 GB/T 31887.1-2019 符合 ISO 6742-2015, 220° 超宽可视角度。
The single set of high-power LED light source and light guide bar design through precise optical design, uniform transmission light guide approved by Z Integrated reflector, comply with GB/T 31887.1-2019 conform to ISO 6742-2015, 220 ° super wide viewing angle.

标准 / Approval	StVZO / GB / CE / CPSC	尺寸 / Size	L100mm W47mm H34mm
重量 / Weight	42g	装配 / Assemble Dimension	50 / 80mm
防水 / Waterproof	IPX4	电压 / Voltage	DC 6-48V / AC 6V
功率 / Power	0.6W	光源类型 / Light Source	LED



WD300 /



外观时尚，弯月形位置灯，美观同时提供优良警示作用；高亮度红色刹车灯，骑行更安全；全密封防水设计，更加安全可靠；集位置灯、刹车灯和牌照灯于一体。
Stylish appearance, meniscus-shaped position light, beautiful and provide excellent warning; High-brightness red brake light, safer riding; Fully sealed waterproof design, more secure and reliable; Set position light, brake light and license plate light in one.

标准 / Approval	ECE / GB / CE	尺寸 / Size	L120mm W60mm H35mm
重量 / Weight	92g	功率 / Power	12V:位置灯:1.7W; 刹车灯:1.2W; 牌照灯:1.5W; 国标版 :刹车灯:5W; 行车灯:1.4W; 12V:Position light:1.7W;Brake light:1.2W; License plate light:1.5W; GB:Brake light:5W;Day light:1.4W;
防水 / Waterproof	IPX4		
光源类型 / Light Source	LED		
电压 / Voltage	DC 12V / 36-48V		
装配 / Assemble Dimension	50 / 80mm		



WD226 /



外形迷你、精致，全铝外壳，全密封防水设计。
Mini and exquisite, full aluminum casing, fully sealed and waterproof design.

标准 / Approval	ISO	尺寸 / Size	L63.7mm W15.7mm H13mm
重量 / Weight	46g	安装孔距 / Installation Hole	卡扣式 / Clip-on
防水 / Waterproof	IPX4	电压 / Voltage	DC 5V / 48V
功率 / Power	2W	光源类型 / Light Source	LED
材料 / Materials	PC		




WD246 /



外观时尚，两颗高功率 LED 提供光源；采用光导设计，获得均匀透光的导光效果；全密封防水设计，更加安全可靠；尾灯结合电池仓一体化设计，安装于衣架处，档次更高。
Fashionable appearance, two high-power LEDs provide light source; adopt light guide design to obtain uniform light transmission effect; fully sealed and waterproof design, more secure and reliable; Tail lamp combined with battery compartment integrated design, installed on the hanger, higher grade

标准 / Approval	StVZO / TPR Bi	尺寸 / Size	L29mm W60mm H43mm
重量 / Weight	53g	装配 / Assemble Dimension	Rear fender mounting
防水 / Waterproof	IPX4	电压 / Voltage	DC 6-12V
功率 / Power	0.5W	光源类型 / Light Source	LED





WD558 /

设计富有创意且简约，一款高性能的后位置灯和制动灯组合，采用新型的、优化的 COB LED 技术，拥有非常强大的安全警示功能。
Design is creative and simple. It is a high-performance combination of rear position light and brake light, using a new and optimized COB LED technology, with a very powerful safety warning function.

标准 / Approval	ISO	装配 / Assemble Dimension	50 / 80mm
尺寸 / Size	L109.5mm W34mm H16.75mm	电压 / Voltage	DC 6-12V / 48V
重量 / Weight	25g	光源类型 / Light Source	LED+COB / COB
防水 / Waterproof	IPX5	功率 / Power	6-12V: 位置灯:0.6W; 刹车灯:2W;
芯线 / Wiring	2 Pins / 3 Pins		48V: 位置灯:1.1W 6-12V:Position light:0.76W;Brake light:2W; 48V:Position light:1.1W



WD400 /

外观时尚，“U”形位置灯，美观同时提供优良警示作用；高亮度红色刹车灯，骑行更安全，左、右转向灯一体式设计；全密封防水设计，更加安全可靠；集位置灯、刹车灯、左、右转向灯和牌照灯于一体。
Stylish appearance, “U”-shaped position light, beautiful and provide excellent warning effect; High-brightness red brake lights, safer riding, integrated design of left and right turn signals; Fully sealed waterproof design, more secure and reliable; Set position lights, brake lights, left and right turn lights and license plate lights in one.

标准 / Approval	CE	装配 / Assemble Dimension	50 / 80mm
尺寸 / Size	L142mm W50mm H35mm	电压 / Voltage	DC 12V / 36-48V
重量 / Weight	107g	光源类型 / Light Source	LED
防水 / Waterproof	IPX4	功率 / Power	位置 & 牌照灯:1.8W; 刹车灯:0.9W; 转向灯:0.65W
			Position&License Plate Light:1.8W; Brake light:0.9W; Turning light:0.65W



WD186 /

高亮度红色环状刹车灯，为骑行提供安全可靠的预警提示；全密封防水设计，更加安全可靠；集位置灯、刹车灯和转向灯于一体。
High brightness red ring brake lights provide safe and reliable warning hints for riding; Fully sealed waterproof design, more safe and reliable; Integrated position light, brake light and turn signal.

尺寸 / Size	L124mm W32mm H52mm	装配 / Assemble Dimension	50 / 80mm Optional
重量 / Weight	105g	电压 / Voltage	DC 36V / 48V Optional
防水 / Waterproof	IPX4	光源类型 / Light Source	LED
功率 / Power	行车灯:0.25W; 刹车灯:0.65W; 转向灯:0.2W Day light;Brake light:0.65W; Turning light:0.2W		



WD128-2 /

外形硬朗、时尚，行车灯设计为折线导光条效果，美观同时提供优良警示作用；高亮度刹车灯，具备智能警示功能；全密封防水设计，更加安全可靠；集位置灯、转向灯和刹车灯于一体。
The appearance is tough and stylish, and the driving lights are designed with the effect of a broken line light guide, which is beautiful and provides an excellent warning effect; High brightness brake light with intelligent warning function; Fully sealed waterproof design, more secure and reliable; Set position light, turn signal and brake light in one.

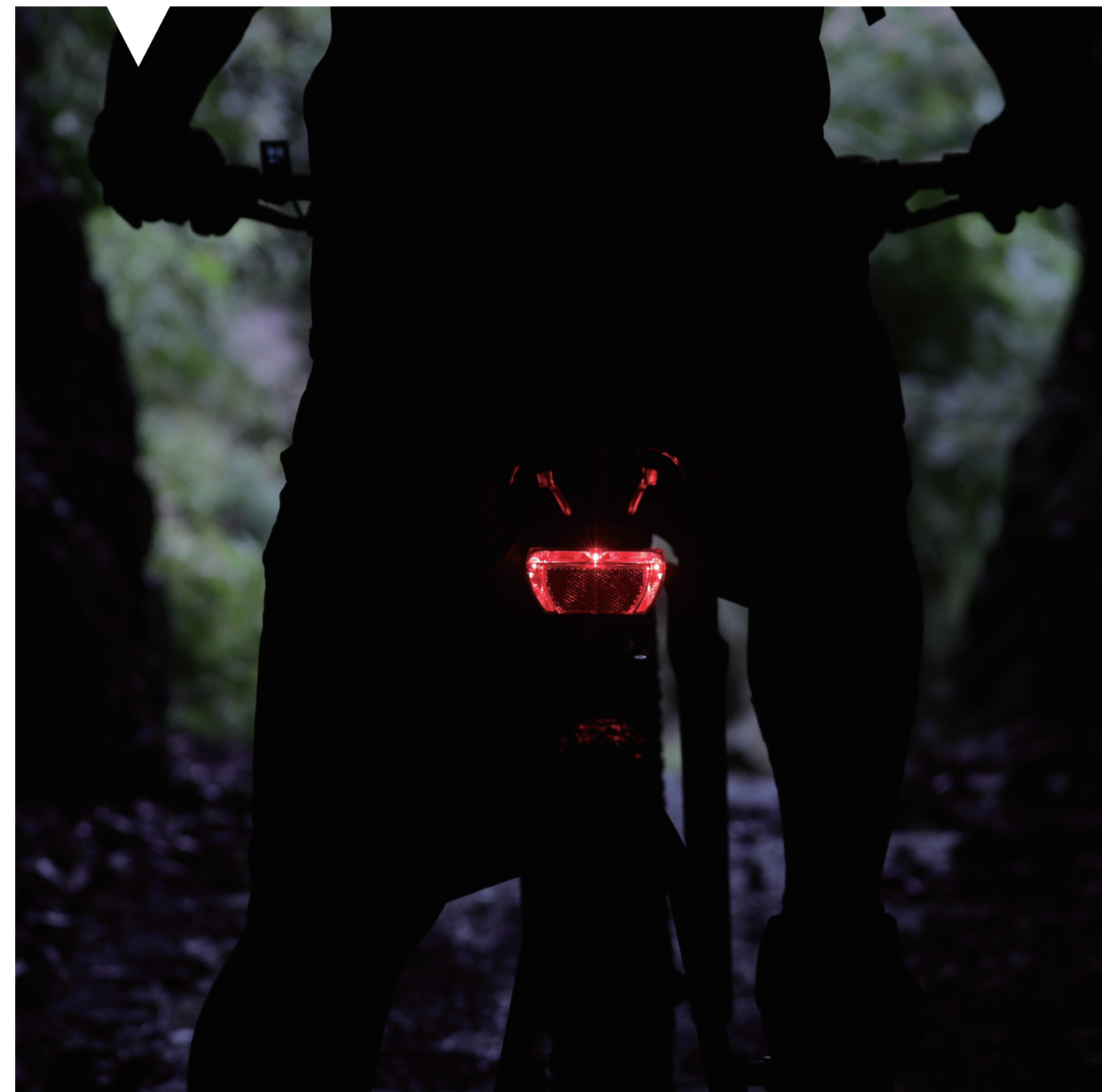
尺寸 / Size	L124mm W32mm H52mm	装配 / Assemble Dimension	50 / 80mm Optional
重量 / Weight	105g	电压 / Voltage	DC 36-48V
防水 / Waterproof	IPX4	光源类型 / Light Source	LED
功率 / Power	位置灯:0.2W; 刹车灯:0.39W; 转向灯:0.13W Position light:0.2W;Brake light:0.39W; Turning light:0.13W		



WD220-2 /

三组高功率 LED 提供光源，配置精密光导条；全密封防水设计，更加安全可靠；集位置灯、转向灯于一体，功能强大。
Three sets of high-power LEDs provide light sources and are equipped with precision light guide strips; Fully sealed waterproof design, more secure and reliable; Set position light and turn signal in one, powerful.

标准 / Approval	CE / GB	尺寸 / Size	L95mm W45mm H19mm
重量 / Weight	46g	装配 / Assemble Dimension	50mm
防水 / Waterproof	IPX4	电压 / Voltage	DC 6-48V / AC 6V
功率 / Power	2W	光源类型 / Light Source	LED





WD490 /



符合 GB / T 31887.1-20190 标准的自行车、滑板车泥板尾灯，直流电源供电；LED 光源，辅以全密封结构，产品 IPX5 的防尘防水能力；采用优质模具钢材及高精度工艺，确保塑件配合精度及表面皮纹及细节优良。
Bicycle and scooter mud taillights in line with GB/T 318871-20190 standard, powered by DC power supply; LED light source, with fully sealed structure, the product IPX5 dustproof and waterproof ability; Adopt high quality mould steel and high precision technology to ensure the matching precision of plastic parts and excellent surface texture and details.

标准 / Approval	GB / ISO / CE	尺寸 / Size	L25mm W31mm H52mm
重量 / Weight	34g	装配 / Assemble Dimension	后泥板 / Rear mud board
防水 / Waterproof	IPX5	电压 / Voltage	DC 6-12V / 48V
功率 / Power	位置灯:0.6W ; 刹车灯:1.9W Position light:0.6W;Brake light:1.9W		光源类型 / Light Source LED

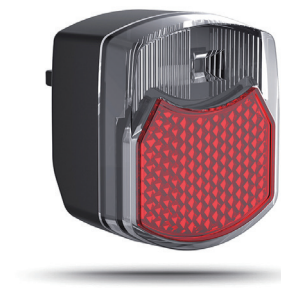


WD502 /



外形灵巧、时尚；符合 StVZO、ECE、ISO 标准的自行车、滑板车泥板尾灯，直流电源供电；LED 光源，辅以全密封结构，产品 IPX5 的防尘防水能力；采用优质模具钢材及高精度工艺，确保塑件配合精度及表面皮纹及细节优良；可视角超过 220°。
Smart and fashionable appearance; Suitable on the bicycle and scooters with StVZO, ECE and ISO standards. It is powered by DC power and uses LED light source and fully sealed structure. The dustproof and waterproof capability is IPX5; Adopt high-quality die steel and high-precision technology to ensure the fitting accuracy of plastic parts and excellent surface texture and details; The angle of view is more than 220 °.

标准 / Approval	StVZO / ECE / ISO / CE	尺寸 / Size	L25mm W31mm H52mm
重量 / Weight	34g	装配 / Assemble Dimension	后泥板 / Rear mud board
防水 / Waterproof	IPX5	电压 / Voltage	DC 6V / 12V
功率 / Power	位置灯:0.14W ; 刹车灯:1.2W Position light:0.14W;Brake light:1.2W		光源类型 / Light Source LED



WD430 /

自行车、滑板车泥板尾灯，直流电源供电；LED 光源，辅以全密封结构，产品 IPX4 的防尘防水能力；采用优质模具钢材及高精度工艺，确保塑件配合精度及表面皮纹及细节优良。
Bicycles and scooters taillights are powered by DC power. The LED light source is supplemented by a fully sealed structure. The product is IPX4 dustproof and waterproof. It uses high-quality mold steel and high-precision technology to ensure the precision of plastic components Excellent surface texture and detail.

尺寸 / Size	L40mm W46mm H35mm	装配 / Assemble Dimension	后泥板 / Rear mud board
重量 / Weight	24g	电压 / Voltage	DC 6-48V
防水 / Waterproof	IPX4	光源类型 / Light Source	LED
功率 / Power	0.5W		



WD242 /












符合 GB 标准的自行车泥板尾灯，直流电源供电；LED 光源，辅以全密封结构，产品 IPX4 的防尘防水能力；采用优质模具钢材及高精度工艺，确保塑件配合精度及表面皮纹及细节优良。
Bike mud pad tail lamp that complies with GB standards, DC power supply; LED light source, supplemented by a fully sealed structure, IPX4 dust and water resistance; High-quality mold steel and high-precision technology to ensure the precision of plastic parts and surface texture and details excellent.

标准 / Approval	CE	尺寸 / Size	L29mm W60mm H43mm
重量 / Weight	53g	装配 / Assemble Dimension	后泥板 / Rear mud board
防水 / Waterproof	IPX4	电压 / Voltage	DC 6-48V
功率 / Power	2.8W	光源类型 / Light Source	LED



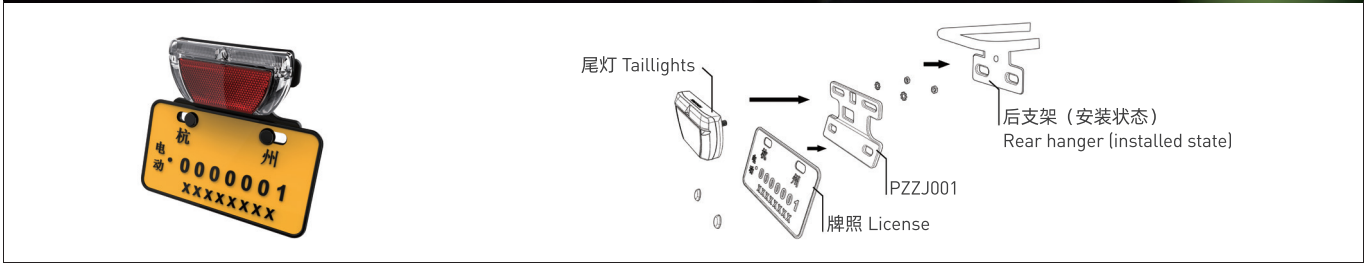
LIGHT BRACKET

BRACKET MODEL LIGHT MODEL	QD115 BRACKET	QD151 BRACKET	QD197 LONG BRACKET	QD197 SHORT BRACKET	QD113 BASKET LIGHTS BRACKET	QD213 BASKET LIGHTS BRACKET	QD262 BASKET LIGHTS BRACKET	QD302 BASKET LIGHTS BRACKET	QD472-08 BRACKET
									
QD139-2	●	●	●	●					
QD151	●	●	●	●					
QD197	●	●	●	●					
QD199-2	●	●	●	●					
QD213-2	●	●	●	●					
QD228	●	●	●	●					
QD228-2	●	●	●	●					
QD236	●	●	●	●					
QD238	●	●	●	●					
QD240	●	●	●	●					
QD252	●	●	●	●					
QD260	●	●	●	●					
QD260-2	●	●	●	●					
QD213					●	●	●	●	
QD262					●	●	●	●	
QD302					●	●	●	●	
QD320					●	●	●	●	
QD500	●	●	●	●					
QD472									●
QD522	●	●	●	●					
QD526	●	●	●	●					
WD130									
ZXD002									
WD128-2									
WD129									
WD130									
WD186									
WD216									
WD220									
WD220-2									
WD226									
WD242									
WD246									
WD300									
WD312									
WD330									
WD332									
WD430									
WD490									
WD502									

注：如果某款车灯可以选择对应的车灯支架，在对应方框中显示“●”，不能装配这款车灯支架的，在对应方框中显示为空白。

Note: “●” is displayed in the corresponding box if the corresponding lamp bracket can be selected for a certain type of lamp, and blank is displayed in the corresponding box if the lamp bracket cannot be assembled.

[illegible]



REFLECTOR

BRACKET MODEL LIGHT MODEL	QD238-FR	QD213-2-FR	QD228-FR	QD197-FR	QD500-FR	RR001	FR001
APPROVAL	ISO / E1A	E1A / StVZO	ISO / E1A / CPSC	E1A / StVZO	ISO / E1A / StVZO	E1A / Z	E1A / StVZO
QD260	●		●		●		●
QD260-2	●		●		●		●
QD213-2		●	●		●		
QD240		●	●		●		●
QD500					●		
QD228	●						●
QD228-2	●		●		●		●
QD252		●	●				
QD139-2			●				
QD236			●		●		
QD197			●	●	●		
QD199-2			●		●		
QD151			●		●		
QD266-2							
QD213			●				
QD522			●				●
QD526			●				
WD330						●	
注：如果某款车灯可以选择对应的反射器，在对应方框中显示“●”，不能装配这款反射器的，在对应方框中显示为空白。 Note: “●” is displayed in the corresponding box if the corresponding reflector can be selected for a certain type of lamp, and blank is displayed in the corresponding box if the reflector cannot be assembled.							





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