

**2021**

# **OEM CATALOG**

CATEYE, the world's largest manufacturer of Bicycle Reflex Reflectors, has been supplying the highest quality reflectors for more than 60 years. CATEYE have also applied this optical technology to headlights and taillights, and have a wide range of products for different applications and purposes.



[www.cateye.com](http://www.cateye.com)

# COMPANY PROFILE [公司简介]

## COMPANY PHILOSOPHY [公司理念]

Deliver quality products through creativity, passion, and teamwork.

透过创新, 热情及团队合作, 提供高品质的产品.

## COMPANY MISSION [公司使命]

To add value to all aspects of society, including issues related to safety, health, and the environment.

致力于提升"更安全, 更健康, 更益于环保"的理念, 为社会各方面增加价值.

## COMPANY HISTORY [公司历史]

Cateye's early history catalogs the vision of the Tsuyama family, who actually started out producing and selling architectural metal fittings. In 1948 they turned their focus towards the bicycle industry, producing and selling bicycle parts and accessories. This marked the birth of a family company Cateye, which today is known as a leading brand world-wide in reflector and bicycle accessories market.

Cateye reflectors, from which the company derives its name, represent our core technology. The name "Cateye" comes from the fact that the reflectors shine like a cat's eye. In 1957, the company produced Japan's first reflector and marketed it under the trademark of Cateye to the world. This reflective technology and knowledge were then utilized within Cateye's first safety flashing light in 1964. In Japan, the product became the first to be tested by the Tokyo Metropolitan Police Department's performance test in 1958 and was instantly recognized by the industry.

Cateye reflectors have since expanded to meet requirements all over the world. In 1967, Cateye product passed SAE-CHP standards in the United States and continued to pass other strict standards around the world. Notably, Cateye reflectors and front LED headlights for bicycles passed the StVZO German road safety standards which is well known for its high level of demand and strictness as a regulation in the industry.

The source of Cateye's ability to bring unique products to market lies in our highly creative developmental processes combined with proprietary production technologies. Our Kanan plant, located in Osaka prefecture, houses state-of-the-art industrial machinery and equipment which include production systems that are carefully designed to meet specific product standards and regulations.

Cateye's "reflective" technology, is one of our core technologies and is highly regarded worldwide for its small size, world class performance, and meeting standards with consistency. Cateye will continue to lead the market globally with the unwavering quality required on each and every reflector we make and promises to do so for many decades to come.

CATEYE的早年历史记录了Tsuyama家族的愿景, 公司一开始其实是生产及销售建筑五金部件. 1948年, 将重心转向自行车行业, 生产和销售自行车零件和配件. 这亦代表着家族企业CATEYE的诞生, 如今在反光片和自行车配件市场上享誉全球.

CATEYE反光片, 代表了我们的核心技术, 也是公司名称的由来. 公司取名"CATEYE", 源自于反光片就像猫的眼睛一样闪闪发光. 1957年, 公司生产了日本的第一个反光片, 并将其以CATEYE商标推向世界. 这种反射技术及知识随后在1964年被运用于CATEYE第一个安全闪光灯产品, 而本公司的产品于1958年成为日本第一个由东京都警察局进行性能测试的产品, 并立即得到业界的认可的公司.

此后, CATEYE反光片开始拓展以满足世界各地的需求. 1967年, CATEYE产品在美国通过了SAE-CHP标准, 并持续在全球通过了其他严格的标准. 值得注意的是, CATEYE自行车反光片和前LED头灯通过了StVZO德国道路安全标准, 该标准是以前其高水平的要求和严格的行业标准而闻名.

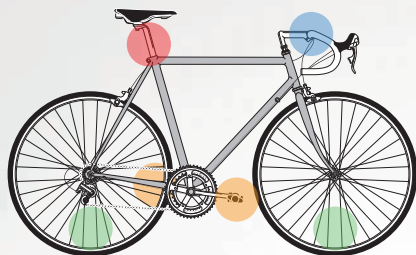
CATEYE将独有技术产品推向市场的能力, 源自于自身极富创造力的开发流程以及专有的生产技术. 位于大阪的Kanan工厂拥有最先进的工业机械和设备, 其中包括经过精心设计以符合特定产品标准和法规的生产系统.

CATEYE的"反射"技术是我们的核心技术之一, 轻薄小巧的尺寸, 世界一流的技术工艺及始终如一的标准, 在全世界广受好评. CATEYE将持续坚持对每个制造的反光片要求品质一致, 在全世界继续保持领先地位, 并承诺在未来数十年内将始终如一.

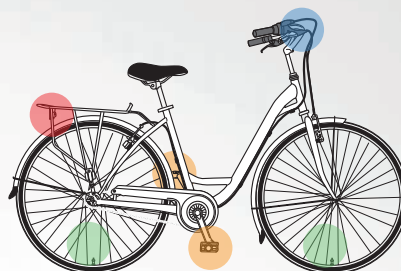


# THE KEY TO SAFETY [安全的基本关键]

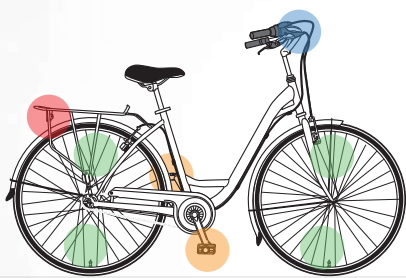
## USA / UK



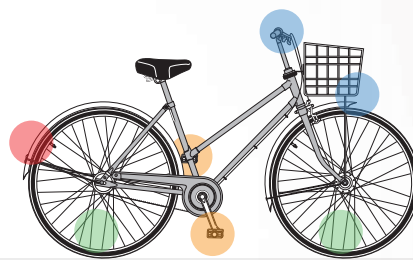
## FRANCE



## GERMANY



## JAPAN



### Key points for installation:

#### Front and Rear Reflectors:

- The reflectors must be oriented correctly. Note the TOP marking stamped on the back and mount properly.
- Fix the reflector housing firmly through bracket with the provided hardware.
- Remember to keep the lens surface perpendicular to the ground not tilted up or down.
- The rear reflector is most effective at the back of the rear fender, if the bicycle has one.

#### Wheel Reflectors:

- Two wheel reflectors must be visible on each side.
- Attach the reflector on the spoke at the groove, the nut and turn it clockwise with a coin or similar tool. Slide it toward the rim until it's tightened.
- Remember to keep good balance on both ends of the reflector to the rim.

#### Pedal Reflectors:

Each pedal has reflectors located on the front and rear surface.

#### Reflector Mount Alignment Test :

- According to British BS6102: Part 2, United States C.P.S.C. and Japan JIS D9452. When a force of 90 N (9kgf) is applied to the reflector in selected direction(s), the optical axis of the reflector (excluding pedal reflectors or spoke-mounted reflectors or mudguard-mounted reflector) shall not deflect more than 15 degrees during the test, and shall not exhibit a permanent displacement greater than 5 degrees after the test.
  - According to German "Technische Anforderungen Fahrzeugteile" TA Nr.18 (10)
    - Push and Pull Test: 1,05 N/cm 2 x Surface (cm<sup>2</sup>) Limit :<10 degrees from normal position
    - Durability Test: 200n force (for 5 hours) apply to the reflector bracket
      - Limit:< 45 degrees from normal position
      - 1 Nm force apply to vertical axis
      - Limit:± 5 degrees from normal position
- Note: The above description is outline of the regulation. Please consult authorized organizations for detail.

### 组装的重点:

#### 前/後反光片:

- 反光片的方向必需正确,注意反光片背面的TOP记号必需要正确的安装在上方.
- 请用附上的自攻螺丝穿过支架确实的将反光片固定住.
- 切记要保持反光片镜面与地面垂直90度,不向上及向下倾斜.
- 若自行车有装土除时,後反光片裝於土除上的反光效果最好.

#### 轮子反光片:

- 两轮的反光片必需可以从任何一边看得见.
- 组装轮反光片时,将反光片的沟槽嵌於辐条上,再用反光片的塑胶钮以硬币或简单工具顺时间旋转入反光片,同时将轮反光片尽量朝轮框的方向靠紧,将附件锁紧即可.
- 切记要让轮反光片与车圈圆弧平行,并接近轮框.

#### 脚踏反光片:

每一副脚踏板都应有反光片裝於踏板前面及後面.

#### 反光片安装及测试(反光片托架测试规范)

- 根据英国BS6102: Part2,美国C.P.S.C.和日本JIS D9452 的规定,在反光镜面表面挑一特定点,施以90N,(9kgf)的力量,在施力期间反光片的反光轴不可以倾斜超过15度(这要求不包含脚踏板反光片,轮反光片或土除反光片),并且在解除90N, 9kgf(公斤力)力量的测试後,不可以呈现大於5度的永久性角度变化.
  - 根据德国"Technische Anforderungen Fahrzeugteile" TA Nr. 18(10)
    - 推拉测试: 施力1,05 N/cm 2×Surface (cm<sup>2</sup>) 范围:与正常位置的角度变化小於10度.
    - 耐久性测试: 施200N力量於反光片托架(5个小时)
      - 范围: 与正常位置的角度变化小於45度
      - 1Nm力量施力於垂直轴线,范围: 与正常位置的角度变化在正负5度以内.
- 附注: 以上的叙述为正式规章的概述. 如需详细资料,请与受权机构询问.

# MOUNTING METHOD [固定方法]

## RR-165-BTR

Reflex Reflector  
反光效果反光片

Reflex Lens  
反光镜面型号

Black Body  
外壳颜色(黑色)

Red Lens  
镜面颜色(红色)

固定方式



**P**  
(Post)



**S**  
(Seat Stay)



**P2**  
(Handlebar)



**Z**  
(Bolt & Nuts)



**M**  
(Mudguard)



**T**  
(Tapping Screw)



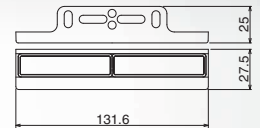
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(Slide Lock)

# FRONT & REAR REFLECTOR [前後反光片]

## RR-0217



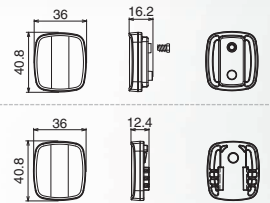
Product Code 产品编号	Model No. 型号	Position 位置	Housing 外壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净重/毛重)	Ctn Size 外箱体积
1183210	RR-0217-GEW	Front (前面)	Gray (灰色)	White (透明)	JIS	500	11.7/12.7	0.037



## RR-F1



Product Code 产品编号	Model No. 型号	Position 位置	Housing 外壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净重/毛重)	Ctn Size 外箱体积
5008700	RR-F1-BTW	Front (前面)	Black (黑色)	White (透明)	C.P.S.C./BS/JIS	1000	10.41/11.94	0.033
5008705	RR-F1-BTR	Rear (后面)	Black (黑色)	Red (红色)	C.P.S.C./BS/JIS	1000	10.41/11.94	0.033
5008710	RR-F1-SLW	Front (前面)	Black (黑色)	White (透明)	C.P.S.C./BS/JIS	1000	7.82/9.1	0.027
5008715	RR-F1-SLR	Rear (后面)	Black (黑色)	Red (红色)	C.P.S.C./BS/JIS	1000	7.82/9.1	0.027
5008720N	RR-F1-BM2R W/LOGO	Rear (后面)	Black (黑色)	Red (红色)	C.P.S.C./BS/JIS	500	7.9/9.1	0.037
5008721N	RR-F1-GM2R W/LOGO	Rear (后面)	Gray (灰色)	Red (红色)	C.P.S.C./BS/JIS	500	7.9/9.1	0.037
5008722N	RR-F1-WM2R W/LOGO	Rear (后面)	White (透明)	Red (红色)	C.P.S.C./BS/JIS	500	7.9/9.1	0.037
5008728N	RR-F1-SM2R W/O LOGO	Rear (后面)	Silver (银色)	Red (红色)	C.P.S.C./BS/JIS	500	7.9/9.1	0.037
5008730	RR-F1-BMR W/LOGO	Rear (后面)	Black (黑色)	Red (红色)	C.P.S.C./BS/JIS	500	7.5/8.0	0.033
5008731	RR-F1-GMR W/LOGO	Rear (后面)	Gray (灰色)	Red (红色)	C.P.S.C./BS/JIS	500	7.5/8.0	0.033
5008732	RR-F1-WMR W/LOGO	Rear (后面)	White (透明)	Red (红色)	C.P.S.C./BS/JIS	500	7.5/8.0	0.033
5008733	RR-F1-SMR W/O LOGO	Rear (后面)	Silver (银色)	Red (红色)	C.P.S.C./BS/JIS	500	7.5/8.0	0.033



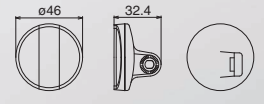
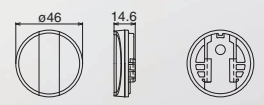
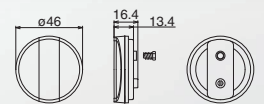
• 泥除材: R330  
• 基準角度: 41.5°

• 泥除材: R330  
• 基準角度: 35°

## RR-165



Product Code 产品编号	Model No. 型号	Position 位置	Housing 外壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净重/毛重)	Ctn Size 外箱体积
5009201CM	RR-165-BTW	Front (前面)	Black (黑色)	White (透明)	C.P.S.C./BS/UN(ECE)IA/StVZO/ JIS/AS/GB	1000	13.0/14.5	0.054
5009202CM	RR-165-BTR	Rear (后面)	Black (黑色)	Red (红色)	C.P.S.C./BS/UN(ECE)IA/StVZO/ JIS/AS/GB	1000	13.0/14.5	0.054
5009211CM	RR-165-SLW	Front (前面)	Black (黑色)	White (透明)	C.P.S.C./BS/UN(ECE)IA/StVZO/ JIS/AS/GB	1000	10.5/12.2	0.048
5009212CM	RR-165-SLR	Rear (后面)	Black (黑色)	Red (红色)	C.P.S.C./BS/UN(ECE)IA/StVZO/ JIS/AS/GB	1000	10.5/12.2	0.048
5009221C	RR-165-BPW	Front (前面)	Black (黑色)	White (透明)	C.P.S.C./BS/UN IA/StVZO/JIS/GB	1000	12.2/13.2	0.105
5080920	RR-165-BPW	Front (前面)	Black (黑色)	White (透明)	AS	1000	12.2/13.2	0.105
5009222C	RR-165-BPR	Rear (后面)	Black (黑色)	Red (红色)	C.P.S.C./BS/UN IA/StVZO/JIS/GB	1000	12.2/13.2	0.105
5080925	RR-165-BPR	Rear (后面)	Black (黑色)	Red (红色)	AS	1000	12.2/13.2	0.105



Product Code 产品编号	Model No. 型号	Position 位置	Housing 外壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积	
5009231C	RR-165-BP2W	Front (前面) (Handlebar) (车手)	Black (黑色)	White (透明)	C.P.S.C./BS/UN IA/StVZO/JIS/GB	1000	10.0/13.0	0.103	
5080930	RR-165-BP2W	Front (前面) (Handlebar) (车手)	Black (黑色)	White (透明)	AS	1000	10.0/13.0	0.103	
5009250C	RR-165-BS3R	Rear (后面) (Seat Stay) (后上叉)	Black (黑色)	Red (红色)	BS/UN IA/StVZO/JIS/GB	1000	12.1/13.1	0.064	
5009251C	RR-165-GS3R	Rear (后面) (Seat Stay) (后上叉)	Gray (灰色)	Red (红色)	BS/UN IA/StVZO/JIS/GB	1000	12.1/13.1	0.064	
5009252C	RR-165-SS3R	Rear (后面) (Seat Stay) (后上叉)	Silver (银色)	Red (红色)	BS/UN IA/StVZO/JIS/GB	500	6.2/7.3	0.051	
5009260C	RR-165-BS2R	Rear (后面)	Black (黑色)	Red (红色)	BS/UN IA/StVZO/JIS/GB	500	8.6/10.1	0.035	
5009261C	RR-165-GS2R	Rear (后面)	Gray (灰色)	Red (红色)	BS/UN IA/StVZO/JIS/GB	500	8.6/10.1	0.035	
5009262C	RR-165-SS2R	Rear (后面)	Silver (银色)	Red (红色)	BS/UN IA/StVZO/JIS/GB	500	8.6/10.1	0.035	
5009240C	RR-165-BMR	Rear (后面)	Black (黑色)	Red (红色)	C.P.S.C./BS/UN IA/StVZO/JIS/GB	500	8.3/9.3	0.035	
5009241C	RR-165-GMR	Rear (后面)	Gray (灰色)	Red (红色)	C.P.S.C./BS/UN IA/StVZO/JIS/GB	500	8.3/9.3	0.035	
5009247C	RR-165-SMR	Rear (后面)	Silver (银色)	Red (红色)	C.P.S.C./BS/UN IA/StVZO/JIS/GB	500	8.3/9.3	0.035	

## RR-290



Product Code 产品编号	Model No. 型号	Position 位置	Housing 外壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积	
5006040N	RR-290-BTW	Front (前面)	Black (黑色)	White (透明)	C.P.S.C./BS/UN IVA StVZO/Belgium/JIS	1000	20.0/22.0	0.061	
5006060N	RR-290-BTR	Rear (后面)	Black (黑色)	Red (红色)	C.P.S.C./BS/UN IVA StVZO/Belgium/JIS	1000	20.0/22.0	0.061	
1155215N	RR-290-BM3R	Rear (后面)	Black (黑色)	Red (红色)	C.P.S.C./BS/UN IVA StVZO/Belgium/JIS	500	14.7/15.7	0.079	

## RR-395



Product Code 产品编号	Model No. 型号	Position 位置	Housing 外壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积	
5004010	RR-395-BTW	Front (前面)	Black (黑色)	White (透明)	C.P.S.C./BS/UN IVA/ StVZO/Sweden/Belgium/JIS	500	18.5/19.0	0.052	
5004000	RR-395-BTR	Rear (后面)	Black (黑色)	Red (红色)	C.P.S.C./BS/UN IVA/ StVZO(Category Z)/ Sweden/Belgium/JIS	500	19.0/20.4	0.052	
5004050	RR-395-BZR	Rear (后面)	Black (黑色)	Red (红色)	C.P.S.C./BS/UN IVA/ StVZO(Category Z)/ Sweden/Belgium/JIS	500	18.5/19.0	0.053	

## RR-C1



Product Code 产品编号	Model No. 型号	Position 位置	Housing 外壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积	
1157001	RR-C1-BMR	Rear (后面)	Black (黑色)	Red (红色)	BS/JIS	500	10.0/11.0	0.057	
1157000	RR-C1-GMR	Rear (后面)	Gray (灰色)	Red (红色)	BS/JIS	500	10.0/11.0	0.057	

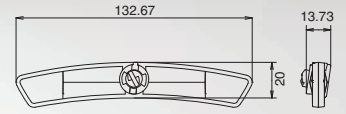
Standard installation angle (标准安装角度)  
\*Angular range of effective reflection (有效范围): 20 - 30°

# WHEEL REFLECTOR [轮反光片]

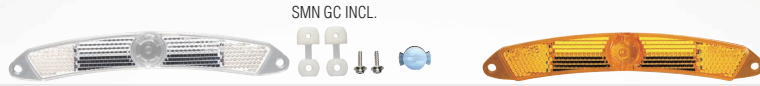
## RR-550N



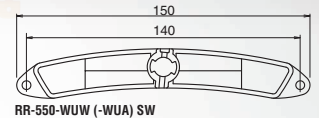
Product Code 产品编号	Model No. 型号	Position 位置	Housing 外壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积
5018500C	RR-550N-WUW	Wheel (轮子)	-	White (透明)	C.P.S.C./BS/JIS/AS/GB	1000	16.3/18.1	0.045
5018501C	RR-550N-WUA	Wheel (轮子)	-	Amber (琥珀色)	C.P.S.C.(Front)/BS/JIS/AS/GB	1000	16.3/18.1	0.045



## RR-550 SW



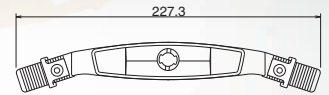
Product Code 产品编号	Model No. 型号	Position 位置	Housing 外壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积
5018430C	RR-550-WUW SW W/O	Wheel (轮子)	-	White (透明)	C.P.S.C./BS/JIS/AS/GB	500	10.2/11.2	0.050
5018431C	RR-550-WUA SW W/O	Wheel (轮子)	-	Amber (琥珀色)	C.P.S.C./BS/JIS/AS/GB	500	11.0/12.0	0.050
5043470C	RR-550-WUW/W SMN GC	Wheel (轮子)	-	White (透明)	C.P.S.C./BS/JIS/AS/GB	200 (KIT)	11.0/12.0	0.049
5043471C	RR-550-WUA/A SMN GC	Wheel (轮子)	-	Amber (琥珀色)	C.P.S.C./BS/JIS/AS/GB	200 (KIT)	11.0/12.0	0.049



## RR-530 SW II



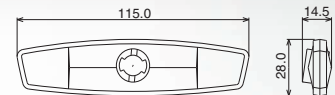
Product Code 产品编号	Model No. 型号	Position 位置	Housing 外壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积
5018330C	RR-530-WUW SW II	Wheel (轮子)	-	White (透明)	C.P.S.C./BS/JIS/AS/GB	400	14.5/15.5	0.068
5018331C	RR-530-WUA SW II	Wheel (轮子)	-	Amber (琥珀色)	C.P.S.C./BS/JIS/AS/GB	400	14.5/15.5	0.068
5018340N	RR-530-WUA SW II	Wheel (轮子)	-	Amber (琥珀色)	TPL/UN IVA	400	14.5/15.5	0.068



## RR-530



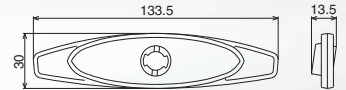
Product Code 产品编号	Model No. 型号	Position 位置	Housing 外壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积
5018200C	RR-530-WUW	Wheel (轮子)	-	White (透明)	C.P.S.C./BS/JIS/AS/GB	1000	17.0/19.0	0.059
5018201C	RR-530-WUA	Wheel (轮子)	-	Amber (琥珀色)	C.P.S.C.(Front)/BS/JIS/AS/GB	1000	17.0/19.0	0.059
5018210N	RR-530-WUA	Wheel (轮子)	-	Amber (琥珀色)	TPL/UN IVA	1000	17.0/19.0	0.059
5018220	RR-530-WUR	Wheel (轮子)	-	Red (红色)	C.P.S.C.(Rear)	1000	17.0/19.0	0.059



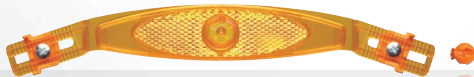
## RR-317



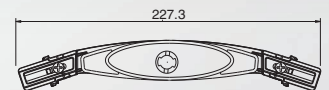
Product Code 产品编号	Model No. 型号	Position 位置	Housing 外壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积
5287601N	RR-317-WUA	Wheel (轮子)	-	Amber (琥珀色)	StVZO/UN IA	1000	18.0/20.0	0.067



## RR-317 SW II



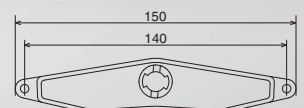
Product Code 产品编号	Model No. 型号	Position 位置	Housing 外壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积
5287660N	RR-317-WUA SW II	Wheel (轮子)	-	Amber (琥珀色)	StVZO/UN IA	400	12.5/13.5	0.065



## RR-318 SW



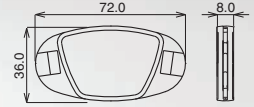
Product Code 产品编号	Model No. 型号	Position 位置	Housing 外壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积
5288000	RR-318-WUA SW W/O	Wheel (轮子)	-	Amber (琥珀色)	StVZO/UN IA	500	8.5 / 9.9	0.033
5288010	RR-318-WUA SMN GC	Wheel (轮子)	-	Amber (琥珀色)	StVZO/UN IA	100 (KIT)	9.3 / 10.5	0.051



## RR-316N



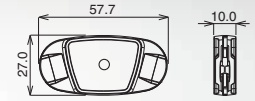
Product Code 产品编号	Model No. 型号	Position 位置	Housing 後壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积
5287701	RR-316N-WUA	Wheel (轮子)	-	Amber (琥珀色)	StVZO/UN IA	1000	17.0/19.1	0.034



## RR-340



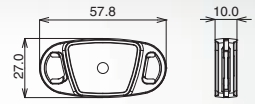
Product Code 产品编号	Model No. 型号	Position 位置	Housing 後壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积
5287800	RR-340-WUW	Wheel (轮子)	-	White (透明)	JIS	1000	9.0/11.1	0.031



## RR-345



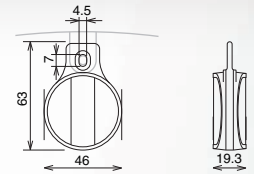
Product Code 产品编号	Model No. 型号	Position 位置	Housing 後壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积
5287900	RR-345-WUW	Wheel (轮子)	-	White (透明)	JIS	1000	8.70/10.70	0.031



## RR-165



Product Code 产品编号	Model No. 型号	Position 位置	Housing 後壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积
5010510	RR-165-WUW	Plastic Wheel (塑胶轮)	White (白色)	White (透明)	C.P.S.C./BS/JIS	500	7.7/9.1	0.033
5080950	RR-165-WUA	Plastic Wheel (塑胶轮)	White (白色)	Amber (琥珀色)	AS	500	7.7/9.1	0.033

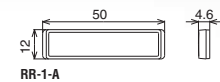


# PEDAL REFLECTOR [脚踏反光片]

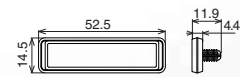
## RR-1



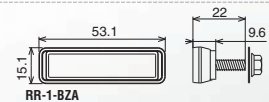
Product Code 产品编号	Model No. 型号	Position 位置	Housing 後壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积
5111501C	RR-1-A	Pedal (脚踏)	White (白色)	Amber (琥珀色)	C.P.S.C./BS/TPP/ Belgium/JIS/AS/GB	8000	15.8/16.8	0.041



5111650C	RR-1-SL2A	Pedal (脚踏)	Black (黑色)	Amber (琥珀色)	C.P.S.C./BS/TPP/ JIS/AS/GB	4000	12.0/13.0	0.041
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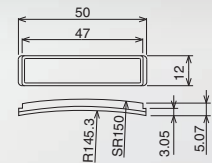
5111530C	RR-1-BZA	Pedal (脚踏)	Black (黑色)	Amber (琥珀色)	C.P.S.C./BS/TPP/ Belgium/JIS/GB	1000	8.4/9.4	0.027
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## RR-1-CA



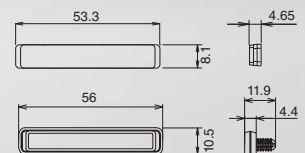
Product Code 产品编号	Model No. 型号	Position 位置	Housing 後壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积
5111550	RR-1-CA	Pedal (脚踏)	White (白色)	Amber (琥珀色)	C.P.S.C./BS/TPP/JIS	4000	7.7/8.7	0.025



## RR-2






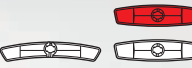
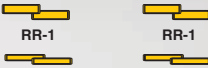
Product Code 产品编号	Model No. 型号	Position 位置	Housing 後壳	Lens 镜面	Country Standard 适用国家标准	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积
5111620C	RR-2-A	Pedal (脚踏)	White (白色)	Amber (琥珀色)	C.P.S.C./BS/TPP/ JIS/AS/GB	6000	9.1/9.7	0.024
5111630C	RR-2-SLA	Pedal (脚踏)	Black (黑色)	Amber (琥珀色)	C.P.S.C./BS/TPP/ JIS/AS/GB	4000	8.8/9.6	0.031








# WORLD MAJOR SAFETY STANDARDS

[世界主要国家安全规格]




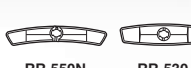

## U.S.A. Regulation (C.P.S.C.) 美国消费者制品安全委员会标准(C.P.S.C.)

<b>Front Reflector</b> 前反光片 <b>Clear(1pc.)</b> 透明(1片)  RR-165 RR-290 RR-F1	<b>Rear Reflector</b> 后反光片 <b>Red(1pc.)</b> 红色(1片)  RR-165 RR-290 RR-F1	<b>Wheel Reflector</b> 轮反光片 <b>Front(1pc.)</b> 前轮(1pc.)  RR-550N RR-530	<b>Rear(1pc.)</b> 后轮(1pc.)  RR-550N RR-530	<b>Pedal Reflector Amber</b> 脚踏反光片 琥珀色 <b>Right (2pcs.)</b> 右边(2pcs.) <b>Left (2pcs.)</b> 左边(2pcs.)  RR-1 RR-1 RR-2 RR-2
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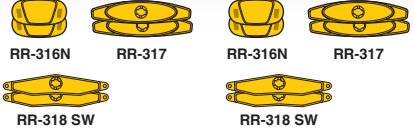

## Canada 加拿大规格

<b>Front Reflector</b> 前反光片 <b>Clear(1pc.)</b> 透明(1片)  RR-165 RR-290 RR-F1	<b>Rear Reflector</b> 后反光片 <b>Red(1pc.)</b> 红色(1片)  RR-165 RR-290 RR-F1	<b>Wheel Reflector</b> 轮反光片 <b>Front(1pc.)</b> 前轮(1pc.)  RR-550N RR-530	<b>Rear(1pc.)</b> 后轮(1pc.)  RR-550N RR-530	<b>Pedal Reflector Amber</b> 脚踏反光片 琥珀色 <b>Right (2pcs.)</b> 右边(2pcs.) <b>Left (2pcs.)</b> 左边(2pcs.)  RR-1 RR-1 RR-2 RR-2
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## British Standard (BS6102/2) 英国规格(BS6102/2)

<b>Front Reflector</b> 前反光片 <b>Clear(1pc.)</b> 透明(1片)  RR-165 RR-290 RR-F1	<b>Rear Reflector</b> 后反光片 <b>Red(1pc.)</b> 红色(1片)  RR-165 RR-290 RR-F1	<b>Wheel Reflector</b> Clear 轮反光片 透明 <b>Front(1pc.)</b> 前轮(1pc.)  RR-550N RR-530	<b>Rear(1pc.)</b> 后轮(1pc.)  RR-550N RR-530	<b>Pedal Reflector Amber</b> 脚踏反光片 琥珀色 <b>Right (2pcs.)</b> 右边(2pcs.) <b>Left (2pcs.)</b> 左边(2pcs.)  RR-1 RR-1 RR-2 RR-2
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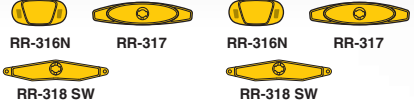
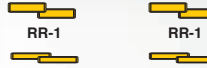
## German Homologation (StVZO) 德国规格(StVZO)

<b>Front Reflector</b> 前反光片 <b>Clear(1pc.)</b> 透明(1片)  RR-165 RR-290 RR-395	<b>Rear Reflector</b> 后反光片 <b>Red(1pc.)</b> 红色(1片)  RR-165 RR-290 RR-395	<b>Wheel Reflector</b> Amber 轮反光片 琥珀色 <b>Front(2pcs.)</b> 前轮(2pcs.) <b>Rear(2pcs.)</b> 后轮(2pcs.)  RR-316N RR-317 RR-316N RR-317 RR-318 SW RR-318 SW	<b>Pedal Reflector Amber</b> 脚踏反光片 琥珀色 <b>Right (2pcs.)</b> 右边(2pcs.) <b>Left (2pcs.)</b> 左边(2pcs.)  RR-1 RR-1 RR-2 RR-2
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## French Homologation 法国规格

<b>Front Reflector</b> 前反光片 <b>Clear(1pc.)</b> 透明(1片)  RR-165 RR-290 RR-395	<b>Rear Reflector</b> 后反光片 <b>Red(1pc.)</b> 红色(1片)  RR-165 RR-290 RR-395	<b>Wheel Reflector</b> Amber 轮反光片 琥珀色 <b>Front(1pc.)</b> 前轮(1pc.) <b>Rear(1pc.)</b> 后轮(1pc.)  RR-530 RR-530	<b>Pedal Reflector Amber</b> 脚踏反光片 琥珀色 <b>Right (2pcs.)</b> 右边(2pcs.) <b>Left (2pcs.)</b> 左边(2pcs.)  RR-1 RR-1 RR-2 RR-2
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## UN R3 Class IA (Ex: Denmark, Austria) UN 规格 IA (例如: 丹麦, 奥地利)

<b>Front Reflector</b> 前反光片 <b>Clear(1pc.)</b> 透明(1片)  RR-165	<b>Rear Reflector</b> 后反光片 <b>Red(1pc.)</b> 红色(1片)  RR-165	<b>Wheel Reflector</b> Amber 轮反光片 琥珀色 <b>Front(1pc.)</b> 前轮(1pc.) <b>Rear(1pc.)</b> 后轮(1pc.)  RR-316N RR-317 RR-316N RR-317 RR-318 SW RR-318 SW	<b>Pedal Reflector Amber</b> 脚踏反光片 琥珀色 <b>Right (2pcs.)</b> 右边(2pcs.) <b>Left (2pcs.)</b> 左边(2pcs.)  RR-1 RR-1 RR-2 RR-2
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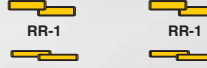
## UN R3 Class IVA (Ex: Sweden, Finland, Denmark) UN规格 IVA (例如: 瑞典, 芬兰, 丹麦)

<b>Front Reflector</b> 前反光片 <b>Clear(1pc.)</b> 透明(1片)  RR-290 RR-395	<b>Rear Reflector</b> 后反光片 <b>Red(1pc.)</b> 红色(1片)  RR-290 RR-395	<b>Wheel Reflector</b> Amber 轮反光片 琥珀色 <b>Front(1pc.)</b> 前轮(1pc.) <b>Rear(1pc.)</b> 后轮(1pc.)  RR-530 RR-530	<b>Pedal Reflector Amber</b> 脚踏反光片 琥珀色 <b>Right (2pcs.)</b> 右边(2pcs.) <b>Left (2pcs.)</b> 左边(2pcs.)  RR-1 RR-1 RR-2 RR-2
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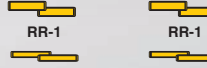
## Japanese Standard (JIS D9452) / B.A.A. 日本规格(JIS D9452) / B.A.A.

<b>Front Reflector</b> 前反光片 <b>Clear(1pc.)</b> 透明(1片)  RR-0217-GEW RR-165 RR-F1	<b>Rear Reflector</b> 后反光片 <b>Red(1pc.)</b> 红色(1片)  RR-165 C1 RR-F1	<b>Wheel Reflector</b> 轮反光片 <b>Front(1pc.)</b> 前轮(1pc.) <b>Rear(1pc.)</b> 后轮(1pc.)  RR-550N RR-530 RR-550N RR-530 RR-345 RR-340 RR-345 RR-340	<b>Pedal Reflector Amber</b> 脚踏反光片 琥珀色 <b>Right (2pcs.)</b> 右边(2pcs.) <b>Left (2pcs.)</b> 左边(2pcs.)  RR-1 RR-1 RR-2 RR-2
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## Australian Standard (AS-2142) 澳大利亚规格(AS-2142)

<b>Front Reflector</b> 前反光片 <b>Clear(1pc.)</b> 透明(1片)  RR-165	<b>Rear Reflector</b> 后反光片 <b>Red(1pc.)</b> 红色(1片)  RR-165	<b>Wheel Reflector</b> Amber 轮反光片 琥珀色 <b>Front(1pc.)</b> 前轮(1pc.) <b>Rear(1pc.)</b> 后轮(1pc.)  RR-550N RR-530 RR-550N RR-530	<b>Pedal Reflector Amber</b> 脚踏反光片 琥珀色 <b>Right (2pcs.)</b> 右边(2pcs.) <b>Left (2pcs.)</b> 左边(2pcs.)  RR-1 RR-1 RR-2 RR-2
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## Chinese Standard (GB31887-2015) 中华人民共和国国家标准 (GB31887-2015)














<b>Front Reflector</b> 前反光片 <b>Clear(1pc.)</b> 透明(1片)  RR-165	<b>Rear Reflector</b> 后反光片 <b>Red(1pc.)</b> 红色(1片)  RR-165	<b>Wheel Reflector</b> Amber 轮反光片 琥珀色 <b>Front(1pc.)</b> 前轮(1pc.) <b>Rear(1pc.)</b> 后轮(1pc.)  RR-550N RR-530 RR-550N RR-530	<b>Pedal Reflector Amber</b> 脚踏反光片 琥珀色 <b>Right (2pcs.)</b> 右边(2pcs.) <b>Left (2pcs.)</b> 左边(2pcs.)  RR-1 RR-1 RR-2 RR-2
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# IMPRINT DESCRIPTION [刻印说明]

<b>U.K.</b> (英国) <b>BS6102/2</b>	<b>Germany</b> (德国)  <b>K</b>
<b>UN</b> (欧盟) IA(E1), MA(E1)	(德国货架用) <b>Z (Carrier Reflector)</b>
<b>Sweden</b> (瑞典) 	<b>Japan</b> (日本) 
<b>Belgium</b> (比利时) IA  I  (Pedal Reflector)	<b>Australia</b> (澳大利亚) 
<b>France</b> (法国) <b>TPL</b> (Wheel Reflector) <b>TPP</b> (Pedal Reflector)	<b>China</b> (中国) <b>GB31887</b>

# BRACKET [支架]

Model No.	BS-3	BS-5	HP-5	SP-5	SP-6	SP-7	SP-8	SP-9	
With Packing (加垫片)	$\phi 12.7-13.4$ BOLT: M5 x L28 	$\phi 15.5-16.5$ BOLT: M5 x L28 	$\phi 19.0-20.6$ BOLT: M5 x L30 	$\phi 23.5-25.0$ BOLT: M5 x L30 	$\phi 26.5-28.2$ BOLT: M5 x L30 	$\phi 28.8-30.5$ BOLT: M5 x L30 	$\phi 31.0-32.5$ BOLT: M5 x L30 	$\phi 34.5-36.0$ BOLT: M5 x L30 	
Without Packing (不加垫片)	/		$\phi 21.2-22.6$ BOLT: M5 x L30 	$\phi 25.4-27.2$ BOLT: M5 x L30 	$\phi 28.5-30.2$ BOLT: M5 x L30 	$\phi 30.8-32.5$ BOLT: M5 x L30 	$\phi 33.0-34.5$ BOLT: M5 x L30 	/	

Product Code 产品编号	Model No. 型号	Position 位置	Rubber Pad 垫片	Pipe Size(mm) 管径(mm)	Screw Size(mm) 螺丝尺寸(mm)	Country Standard 适用国家标准	Qty /Ctn 数量 / 箱	Wt /Ctn (N.W./G.W.) 重量 / 箱 (净重 / 毛重)	Ctn Size 外箱体积
5009501	BS-3	Seatstay (后上叉)	With (附)	$\phi 12.7 - 13.4$	M5 x 28	C.P.S.C./JIS	1000	9.2/10.2	0.019
5009511	BS-5	Seatstay (后上叉)	With (附)	$\phi 15.5 - 16.5$	M5 x 28	C.P.S.C./JIS	1000	9.4/10.4	0.019
5009505	GS-3	Seatstay (后上叉)	With (附)	$\phi 12.7 - 13.4$	M5 x 28	C.P.S.C./JIS	1000	9.2/10.2	0.019
5009515	GS-5	Seatstay (后上叉)	With (附)	$\phi 15.5 - 16.5$	M5 x 28	C.P.S.C./JIS	1000	9.4/10.4	0.019
5009521	HP-5	Handlebar (车手)	With (附) Without (不附)	$\phi 19.0 - 20.6$ $\phi 21.2 - 22.6$	M5 x 30 M5 x 30	C.P.S.C./JIS	1000	10.8/11.8	0.032
5009531	SP-5	Seatpost (座杆)	With (附) Without (不附)	$\phi 23.5 - 25.0$ $\phi 25.4 - 27.2$	M5 x 30 M5 x 30	C.P.S.C./JIS	1000	11.5/12.5	0.032
5009541	SP-6	Seatpost (座杆)	With (附) Without (不附)	$\phi 26.5 - 28.2$ $\phi 28.5 - 30.2$	M5 x 30 M5 x 30	C.P.S.C./JIS	1000	11.6/12.6	0.032
5009551	SP-7	Seatpost (座杆)	With (附) Without (不附)	$\phi 28.8 - 30.5$ $\phi 30.8 - 32.5$	M5 x 30 M5 x 30	C.P.S.C./JIS	1000	13.8/14.5	0.038
5009561	SP-8	Seatpost (座杆)	With (附) Without (不附)	$\phi 31.0 - 32.5$ $\phi 33.0 - 34.5$	M5 x 30 M5 x 30	C.P.S.C./JIS	1000	13.4/14.4	0.039
5009571	SP-9	Seatpost (座杆)	With (附) Without (不附)	$\phi 34.5 - 36.0$ $\phi 36.5 - 38.0$	M5 x 30 M5 x 30	C.P.S.C./JIS	1000	14.2/15.2	0.052

# HEAD LIGHT / TAIL LIGHT [头灯 / 尾灯]

## HL-HUB200



- Hub Dynamo specific
- Compatible with 6V/2.4W specifications
- JIS standards compliant (in accordance with BAA)
- Attaches to center fork or below the front basket
- Compact body without a reflector
- Daytime Light

\*J1 harness terminal

- 摩电花鼓专用
- 兼容6V/2.4W 规格
- 符合JIS标准 (符合BAA规范)
- 安装在前叉中心位置,或前菜篮下方。
- 不搭载反光片的简洁外型
- 白昼灯

\*J1线束端子。

Size (体积): 47.0×47.0×65.0mm



## HL-HUB200AS



- Pedal-assist electric bicycle only
- Compatible with 17.5V-30V (rated value 25.9V) specification and 6V specification
- JIS standards compliant (in accordance with BAA)
- Attaches to center fork or below the front basket
- Compact body without a reflector

- 脚踏电动自行车专用
- 兼容17.5V~30V规格(额定值25.9V)和6V规格
- 符合JIS标准 (符合BAA规范)
- 安装在前叉中心位置,或前菜篮下方。
- 不搭载反光片的简洁外型

Size (体积): 47.0×47.0×65.0mm



## HL-HUB200D



- Hub Dynamo specific
- Compatible with 6V/2.4W specifications
- JIS standards compliant (in accordance with BAA)
- Attaches below the front basket
- Achieves the highest grade of brightness in BAA light distribution standards (equivalent to BAA grade 5)
- Able to independently adjustable light angles
- Daytime Light

\*J2 harness terminal

- 摩电花鼓专用
- 兼容6V/2.4W 规格
- 符合JIS标准 (符合BAA规范)
- 安装前菜篮下方
- 达到BAA配光标准中最高亮度等级(相当于BAA 5级)
- 可以独立将灯调整到不同角度
- 白昼灯

\*J2线束端子。

Size (体积): 47.0×47.0×65.0mm



Product Code 产品编号	Model No. 型号	Meets 对应规格	Body Color 外观颜色	Rated Voltage 额定电压	Terminal & Cord Length 端子及导线长度	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积
5340731	HL-HUB200	JIS	Black	6V-2.4W	J1 Terminal	100	4.86/5.76	0.034
5340734	HL-HUB200 D TWIN	JIS	Black	6V-2.4W	J2 Terminal	50	5/6.35	0.029
5340735	HL-HUB200 AS CORD500	JIS	Black	6V	02T-JWPF-VSDLE-S/500mm	50	2.9/3.85	0.029
5340733	HL-HUB200 AS	JIS	Black	17.5~30V	02T-JWPF-VSDLE-S/130mm	100	4.86/5.76	0.034
5340780	BF-2 BRACKET	-	-	-	-	500	22.29/22.94	0.029
5340781	BF-2 L BRACKET	-	-	-	-	500	21.95/22.62	0.029

## GVOLT25C



- ISO light distribution with Approx. 2500 cd brightness
- JIS/StVZO standards compliant (in accordance with BAA)
- Top cut light distribution to reduce glare to the surroundings
- Light distribution that illuminates a large area of road surfaces
- Equipped with a battery indicator to show battery life
- Mode memory function to start where you left off

Size (体积): 85.5×34.0×38.0mm



- 对应ISO配光,约2500cd亮度
- 符合日本JIS及德国StVZO标准(符合BAA规范)
- 上切配光分布设计,减少对周围眩光的状况发生
- 能照亮大范围路面的光线分布
- 配备电量显示功能
- 模式记忆功能,上次关闭时的状况于下次启动点亮开始。

Product Code 产品编号	Model No. 型号	Meets 对应规格	Body Color 外观颜色	Battery 电池	Mounting position 安装位置	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净量/毛量)	Ctn Size 外箱体积
5340152	HL-EL370G BULK	JIS/StvZO	Black	AAA batteries×3 (Include)	Handlebar (φ22-35.0mm)	100	TBA	TBA

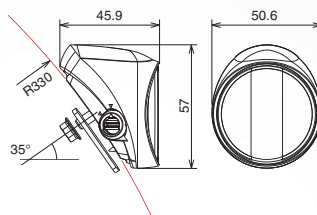
## TL-SLR120



- The solar panel recharges the built-in battery for repeated usage.
- Ensures about three times the runtime when compared to previous model (TL-SLR100N).
- About 4 hours of charge under direct sunlight allows about 22 hours of operation in Flashing mode.
- JIS standard compliant wide angle reflector
- Mud guard ready (fixed attachment)

Power source: Solar battery + NiMH rechargeable battery (GP17AAAH)

\*Rechargeable Battery is replaceable



- 內建太阳能充电功能,可重复充电使用
- 相较于旧产品(TL-SLR100N)保证多了3倍的运行使用时间
- 在阳光直射下充电4小时,可在闪烁模式下运行22小时
- 符合JIS标准的广角反光片
- 适用于安装在挡泥板(固定式)

电源:太阳能电池+镍氢充电电池(GP17AAAH)

\*充电电池可以更换。

Product Code 产品编号	Model No. 型号	Meets 对应规格	Body Color 外观颜色	Battery 电池	Mounting position 安装位置	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净重/毛重)	Ctn Size 外箱体积
5441790	TL-SLR120	JIS(D 9452)	Dark Gray	GP17AAAH	Mudguard	100	4.7/5.4	0.017

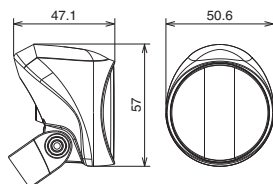
## TL-SLR220



- The solar panel recharges the built-in battery for repeated usage.
- Ensures about three times the runtime when compared to previous model (TL-SLR200N).
- About 4 hours of charge under direct sunlight allows about 22 hours of operation in Flashing mode.
- JIS standard compliant wide angle reflector
- Attaches to seat stay

Power source: Solar battery + NiMH rechargeable battery (GP17AAAH)

\*Rechargeable Battery is replaceable



Attached bracket : BS-3N (φ12.7~16.0mm)  
附支架 : BS-3N(φ12.7~16.0mm)

- 內建太阳能充电功能,可重复充电使用
- 相较于旧产品(TL-SLR200N)保证多了3倍的运行使用时间
- 在阳光直射下充电4小时,可在闪烁模式下运行22小时
- 符合JIS标准的广角反光片
- 适用于安装在后上叉

电源:太阳能电池+镍氢充电电池(GP17AAAH)

\*充电电池可以更换。

Product Code 产品编号	Model No. 型号	Meets 对应规格	Body Color 外观颜色	Battery 电池	Mounting position 安装位置	Qty/Ctn 数量/箱	Wt/Ctn (N.W/G.W.) 重量/箱(净重/毛重)	Ctn Size 外箱体积
5441962	TL-SLR220	JIS(D 9452)	Dark Gray	GP17AAAH	Seat stay (φ12.7-16.0mm)	100	5.2/6.2	0.040
5441963	TL-SLR220 BK DM	JIS(D 9452)	Black	GP17AAAH	Direct mount	100	4.88/6.4	0.029

## **CATEYE CO.,LTD.**

2-8-25, Kuwazu, Higashi Sumiyoshi-ku,  
OSAKA JAPAN. 546-0041  
Tel: 81-6-6719-7781 Fax: 81-6-6719-2362  
e-mail: sales@cateye.co.jp

### **TAIWAN**

## **U-MOUTH ENTERPRISE CO., LTD**

優賢仕企業有限公司

Add:No. 75, Zhongshan 8th Rd., Daya Dist, 42841 Taichung.  
Taiwan. R. O.C./台中市大雅區中山八路75號  
Zip code: 42841  
TEL:+886-4-25662575 FAX:+886-4-25660820  
e-mail: umouth@ms39.hinet.net

### **CHINA**

## **TAICANG YOUSHI TRADING CO.,LTD.**

太仓优仕商贸有限公司

Add: East of No.356, Zhenghe East Road, Ludu Town, Taicang City,  
Jiangsu Province, China./ 江苏省太仓市陆渡镇郑和东路356号东侧  
Zip code:215412  
TEL:86-512-5371-8119 FAX:86-512-5371-8599  
E-mail:sales@youshi.net.cn