

RAVEMEN

Bicycle Lights

Product Catalogue

**TAKE THE LIGHT
RIDE THE BIKE**



Our Story

Ravemen is derived from our passion for bike riding and concern for bike riders as well as others' safety. Coming from different areas of the bicycle industry and being biking enthusiasts, engaging in night riding is quite normal for us. To our regret, most of the high-output bike lights on the market have no anti-glare capability, which is dangerous to oncoming traffic, and as a result places them at great risk.

In fact, many people have had the experience of being dazzled by high lumen bike lights, and we believe that every rider also tries not to disturb others while enjoying the fun of riding. Based on such perception and being inspired by automotive headlights, the idea of applying a similar design to bike lights came into our minds. Through the entire process of conceiving, designing, proofing, testing and adjusting, we finally made it! That means the world's first bike light with a simulation of the design of automotive headlights is available.

Combining high quality and durable material with innovative design, along with the concern for riders and others' safety which has been fused into our genes, we promise each Ravemen product will be not only reliable and easy-to-use to improve your riding experience, but also a trusted companion that will earn you respect from others.

Awards and Accolades



MTBR
BEST OF 2016



★★★★★
Fantastic All-purpose
Light



KIELCE
Bike Award



2017 Creative Award



MBR
2018 Light Test



One of the Best
Bike Lights for 2020

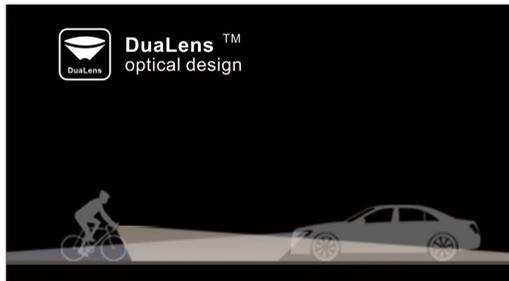


One of the Best
Bike Lights for 2020

INNOVATIVE OPTICAL DESIGN

For a better and safer night riding experience

RAVEMEN DuaLens and HiLo Beam optical design simulate to the design of automotive headlights. Through professional optical software modeling and simulation and using highly efficient lens, we successfully created the beam similar to automotive headlights into a compact yet powerful bike light.



Providing low beam with anti-glare cutoff line and flood light



Indoor beam shot



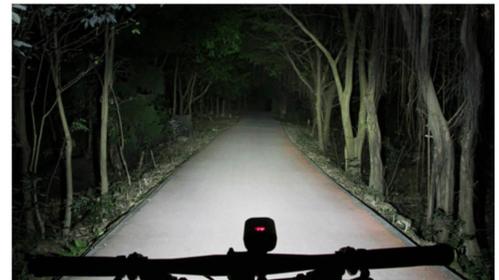
Outdoor beam shot



Providing illuminating light similar to automotive headlight with far reaching high beam and low beam



Indoor beam shot



Outdoor beam shot



**HiLo beam for trail riding/
single track / road biking**

NEW

PR2400

Max 2400 Lumens



OLED Display



USB Type-C Standard USB Output

Product Features

- Anti-glare optical lens for road biking mode to reduce glare for other road users and provide close-range wide flood light and long-distance spot light for urban riding
- HiLo beam system for mountain biking mode, a simulation to the design of automotive headlight with far-reaching high beam and wide low beam for all-terrain riding
- OLED real-time display to show the remaining runtime of each brightness level
- Wireless remote switch with instant max output and brightness adjustment buttons to control the light easily
- Extending battery runtime with external power source
- Type-C input port for easy charging and USB output port to charge your portable digital devices
- Intelligent thermal management circuit to prevent overheat of LEDs
- 2 years warranty and limited lifetime warranty

Technical Specifications

- LED: 5*high-efficiency white LED
- Battery: 8000mAh/3.6V rechargeable Li-ion battery
- Dimensions (Headlight): 105mm (L)*51mm (W)*36mm (H)
- Weight (Headlight): 282g
- Mount size: ϕ 31.8mm and 35mm round handlebar

Mode	Brightness level	Brightness (lumens)	Run time (hrs)	Max distance	Impact resistance	Waterproof
ROAD Biking	High	900	3.4	200 meters	1 meter	IPX8
	Mid	500	5.5			
	Low	300	11.5			
	Eco	100	45			
	Rapid flashing	500	20			
MOUNTAIN Biking	High	2400	1.5			
	Mid	1200	2.4			
	Low	600	5.5			
Emergency	Turbo	2400	/			

Notes:

- 1) The above data are tested in lab in line with ANSI/NEMA FL1 standard and may vary by environment and user conditions;
- 2) Only the low beam will be on in Road Biking mode; Both the high beam and the low beam will be on in Mountain Biking and Emergency modes;
- 3) To meet IPX8 waterproof standard, please make sure the tail USB caps are securely mounted before use

PR1600

Max 1600 Lumens



Wireless Remote



USB Type-C

Product Features

- DualLens optical low beam, providing broad flood light with cut-off line for commuting, no dazzle and glare for oncoming riders and pedestrians
- Dual LEDs for HiLo Beam System, providing illuminating light similar to automotive headlight with far reaching high beam and low beam
- LED real-time display to show remaining runtime in each brightness level
- Wireless remote switch with instant max output and brightness adjustment buttons to control the light easily
- Extending battery runtime with external power source
- USB output to charge portable digital devices
- Intelligent thermal management circuit to prevent overheat of LEDs

Technical Specifications

- LED: 2*high-efficiency white LED
- Battery: 6000mAh/3.7V rechargeable Li-ion battery
- Dimensions (Headlight): 100mm (L)*48mm (W)*27mm (H)
- Weight (Headlight): 220g
- Mount size: ϕ 31.8mm and 35mm round handlebar

Mode	Brightness level	Brightness (lumens)	Run time (hrs)	Max distance	Impact resistance	Waterproof
ROAD Biking	High	800	2.5	150 meters	1 meter	IPX8
	Mid	400	4.0			
	Low	200	7.0			
	Eco	100	20			
MOUNTAIN Biking	Rapid flashing	400	24	150 meters	1 meter	IPX8
	High	1600	1.4			
	Mid	800	2.0			
Emergency	Low	400	4.0	150 meters	1 meter	IPX8
	Turbo	1600	/			

Notes:

- 1) The above data are tested in lab in line with ANSI/NEMA FL1 standard and may vary by environment and user conditions;
- 2) Only the low beam will be on in Road Biking mode; Both the high beam and the low beam will be on in Mountain Biking and Emergency modes;
- 3) To meet IPX8 waterproof standard, please make sure the tail USB caps are securely mounted before use



PR1200

Max 1200 Lumens



LED: 2*high-efficiency white LED
 Battery: 5200mAh/3.7V rechargeable Li-ion battery
 Minimum runtime: 2 hours
 Maximum runtime: 21 hours
 Dimensions (Headlight): 100mm (L)*48mm (W)*27mm (H)
 Weight (Headlight): 213g
 Waterproof: IPX8
 Mount size: Φ 31.8mm and 35mm round handlebar



PR900

Max 900 Lumens

LED: 2*high-efficiency white LED
 Battery: 5200mAh/3.7V rechargeable Li-ion battery
 Minimum runtime: 2.5 hours
 Maximum runtime: 20 hours
 Dimensions (Headlight): 100mm (L)*48mm (W)*27mm (H)
 Weight (Headlight): 202g
 Waterproof: IPX8
 Mount size: Φ 31.8mm and 35mm round handlebar



PR800

Max 800 Lumens

LED: 2*high-efficiency white LED
 Battery: 3200mAh/3.7V rechargeable Li-ion battery
 Minimum runtime: 1.5 hours
 Maximum runtime: 22 hours
 Dimensions (Headlight): 85mm (L)*48mm (W)*27mm (H)
 Weight (Headlight): 165g
 Waterproof: IPX8
 Mount size: Φ 22.2mm / 25.4mm / 31.8mm round handlebar

Mode	Brightness level	Brightness (lumens)	Run time (hrs)	Max distance	Impact resistance	Waterproof
ROAD Biking	High	600	3.5	142 meters	1 meter	IPX8
	Mid	400	5			
	Low	200	9.5			
	Eco	100	21			
MOUNTAIN Biking	Pulse flashing	100	13	142 meters	1 meter	IPX8
	High	1200	2			
	Mid	600	3.5			
Emergency	Low	300	8.5	142 meters	1 meter	IPX8
	Turbo	1200	/			

Mode	Brightness level	Brightness (lumens)	Run time (hrs)	Max distance	Impact resistance	Waterproof
ROAD Biking	High	400	4.5	125 meters	1 meter	IPX8
	Mid	200	7.5			
	Low	100	13.5			
	Eco	50	20			
MOUNTAIN Biking	Pulse flashing	100	13	125 meters	1 meter	IPX8
	High	800	2.5			
	Mid	500	3.5			
Emergency	Low	300	7	125 meters	1 meter	IPX8
	Turbo	900	/			

Mode	Brightness level	Brightness (lumens)	Run time (hrs)	Max distance	Impact resistance	Waterproof
ROAD Biking	High	400	2.8	110 meters	1 meter	IPX8
	Mid	200	7			
	Low	100	13.5			
	Eco	50	19			
MOUNTAIN Biking	Rapid flashing	100	22	110 meters	1 meter	IPX8
	High	800	1.5			
	Mid	350	5			
Emergency	Low	150	11	110 meters	1 meter	IPX8
	Turbo	800	/			

To See Safely
Be Seen Friendly



CR1000

Max 1000 Lumens



Anti-glare Lens with T-shaped Beam



Runtime Extension

Product Features

- Anti-glare lens with T-shaped beam, providing close-range flood light and long-distance spotlight
- Extending battery runtime by connecting with external power source
- Wired remote button to change brightness level safely without releasing the grip
- Side visibility to increase your riding safety
- 4000mAh high capacity battery for longer runtime
- Quick release design for easily slide in and out
- Built-in mode memory function and thermal management circuit

Technical Specifications

- LED: 1*high-efficiency white LED
- Battery: 4000mAh/3.6V rechargeable Li-ion battery
- Dimensions (Headlight): 104mm (L)*29mm (W)*32mm (H)
- Weight (Headlight): 140g
- Mount size: $\phi 22.2-35$ mm round / aero handlebar

Mode	Brightness level	Brightness (lumens)	Run time (hrs)	Max distance	Impact resistance	Water resistance
	High	1000	2			
	Mid	600	2.7			
Low beam	Low	350	5.8			
	Eco	100	25	150 meters	1 meter	IPX6
	Pulse flashing	500	43.5			
	Rapid flashing	150	45			
Emergency	High	1000	/			

Note: The above data are tested in lab in line with ANSI/NEMA FL1 standard and may vary by environment and user conditions.

CR900

Max 900 Lumens



Touch Control Operation
User-defined Mode



Wired Remote Button

Product Features

- DualLens optical design for road biking, providing anti-glare broad flood light
- LED runtime display and stepless output adjustment for full control in user-defined mode
- Wired remote button to change brightness level safely without releasing the grip
- 3000mAh high capacity Li-ion rechargeable battery
- Quick release design for easy daily use
- Built-in mode memory function and thermal management circuit

Technical Specifications

- LED: 1*high-efficiency white LED
- Battery: 3000mAh/3.7V rechargeable Li-ion battery
- Dimensions (Headlight): 98mm (L)*30mm (W)*33mm (H)
- Weight (Headlight): 115g
- Mount size: Φ 22.2~35mm round / aero handlebar

Mode	Brightness level	Brightness (lumens)	Run time (hrs)	Max distance	Impact resistance	Water resistance
Default	High	900	1.5	105 meters	1 meter	IPX6
	Mid	450	2.5			
	Low	200	9			
	Eco	35	36			
	Pulse flashing	350	16			
	Rapid flashing	100	25			
User-defined	Self-defining	35-900	/			
Emergency	High	900	/			

Note: The above data are tested in lab in line with ANSI/NEMA FL1 standard and may vary by environment and user conditions.



NEW
CR800
Max 800 Lumens

LED: 1*high-efficiency white LED
 Battery: 2600mAh/3.6V rechargeable Li-ion battery
 Minimum runtime: 1.5 hours
 Maximum runtime: 22 hours
 Dimensions (Headlight): 100mm (L)*29mm (W)*32mm (H)
 Weight (Headlight): 109g
 Water resistance: IPX6
 Mount size: Φ22.2mm and 35mm round / aero handlebar

Mode	Brightness level	Brightness (lumens)	Run time (hrs)	Max distance	Impact resistance	Water resistance
Low beam	High	800	1.5	150 meters	1 meter	IPX6
	Mid	450	2.5			
	Low	200	4.5			
	Eco	70	17			
	Pulse flashing	150	22			
	Rapid flashing	100	20			
Emergency	High	800	/			



NEW
CR600
Max 600 Lumens

LED: 1*high-efficiency white LED
 Battery: 1600mAh/3.7V rechargeable Li-ion battery
 Minimum runtime: 1.4 hours
 Maximum runtime: 33 hours
 Dimensions (Headlight): 82mm (L)*29mm (W)*32mm (H)
 Weight (Headlight): 87g
 Water resistance: IPX6
 Mount size: Φ22.2mm and 35mm round / aero handlebar

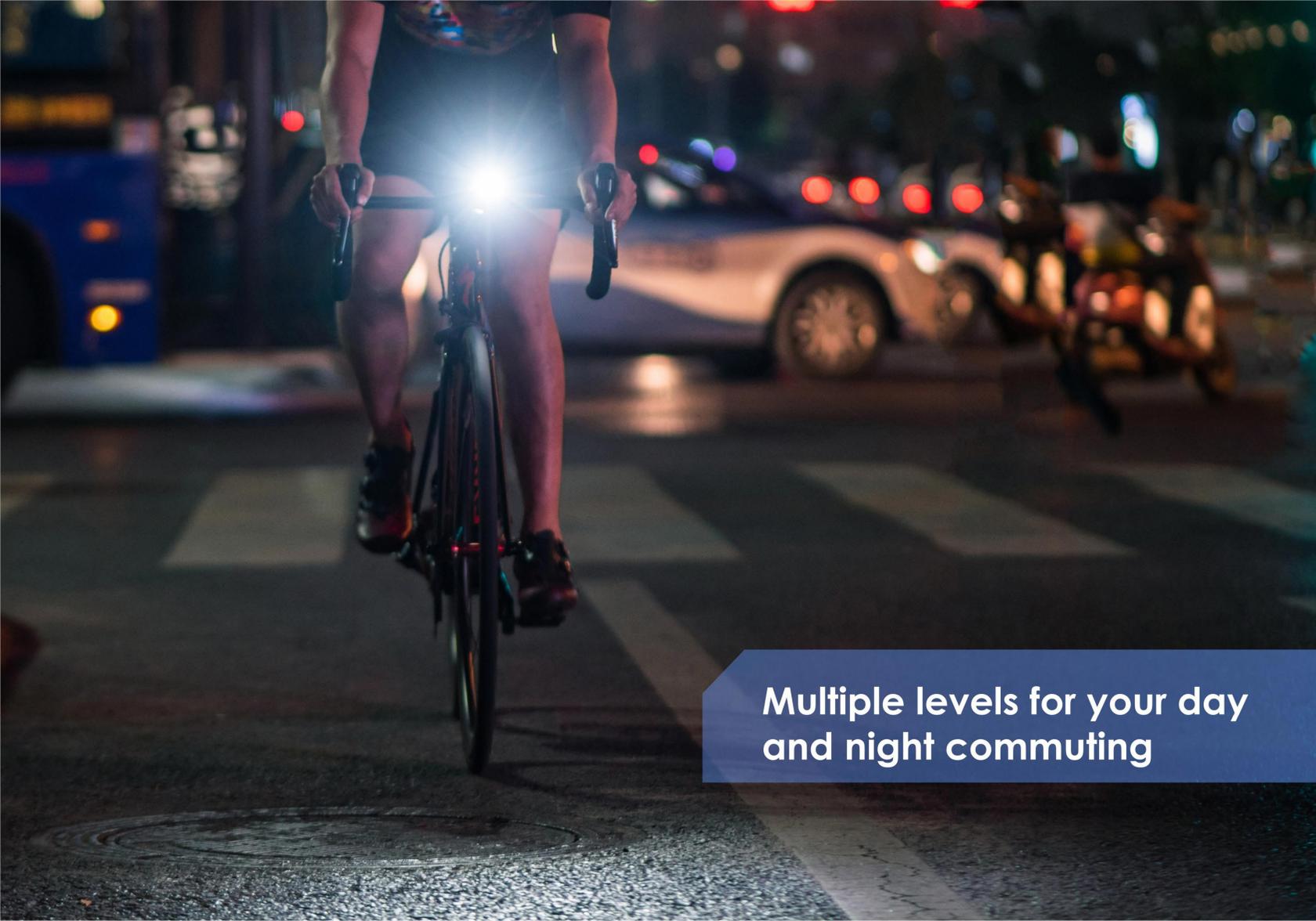
Mode	Brightness level	Brightness (lumens)	Run time (hrs)	Max distance	Impact resistance	Water resistance
Low beam	High	600	1.4	125 meters	1 meter	IPX6
	Mid	300	2.4			
	Low	150	4.5			
	Eco	50	11.5			
	Pulse flashing	150	2.6			
	Rapid flashing	50	33			
Emergency	High	600	/			



NEW
CR450
Max 450 Lumens

LED: 1*high-efficiency white LED
 Battery: 1600mAh/3.7V rechargeable Li-ion battery
 Minimum runtime: 1.7 hours
 Maximum runtime: 33 hours
 Dimensions (Headlight): 82mm (L)*29mm (W)*32mm (H)
 Weight (Headlight): 87g
 Water resistance: IPX6
 Mount size: Φ22.2mm and 35mm round / aero handlebar

Mode	Brightness level	Brightness (lumens)	Run time (hrs)	Max distance	Impact resistance	Water resistance
Low beam	High	450	1.7	115 meters	1 meter	IPX6
	Mid	250	2.8			
	Low	150	4.5			
	Eco	50	11.5			
	Pulse flashing	150	2.6			
	Rapid flashing	50	33			
Emergency	High	450	/			



**Multiple levels for your day
and night commuting**



LR800P

Max 800 Lumens

LED: 1*high-efficiency white LED
 Battery: 2600mAh/3.6V rechargeable Li-ion battery
 Minimum runtime: 1.2 hours
 Maximum runtime: 11.5 hours
 Dimensions (Headlight): 85mm (L)*36mm (W)*30mm (H)
 Weight (Headlight): 120g
 Water resistance: IPX6
 Mount size: Φ 22.2mm and 35mm round / aero handlebar

Mode	Brightness level	Brightness (lumens)	Run time (hrs)	Max distance	Impact resistance	Water resistance
Wide beam	High	800	1.2	126 meters	1 meter	IPX6
	Mid	450	1.9			
	Low	200	4.3			
	Rapid flashing	300	11.5			



LR500S

Max 500 Lumens

LED: 1*high-efficiency white LED
 Battery: 2200mAh/3.7V rechargeable Li-ion battery
 Minimum runtime: 2 hours
 Maximum runtime: 53 hours
 Dimensions (Headlight): 85mm (L)*36mm (W)*30mm (H)
 Weight (Headlight): 119g
 Water resistance: IPX6
 Mount size: Φ 22.2mm and 35mm round / aero handlebar

Mode	Brightness level	Brightness (lumens)	Run time (hrs)	Max distance	Impact resistance	Water resistance
Wide beam	High	500	2	120 meters	1 meter	IPX6
	Mid	300	3.2			
	Low	100	7.5			
	Rapid flashing	200	53			



Wired remote button (sold separately)



Specifically designed curved lens



Battery runtime extension



AUB01 upside-down mount (sold separately)

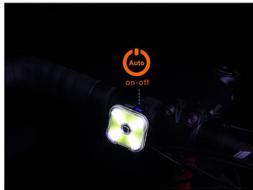
Daytime Visible Light for Urban Commuting and Riding



FR150

NEW

Max 150 Lumens



Auto on-off



USB Type-C

Product Features

- Highly efficient COB LEDs with max 150 lumens
- Eye-catching warning flash for daytime riding and visible from up to 650 meters away
- Auto on-off function for convenient use
- Auto power save and indicator for low battery
- USB-C charging port to charge the light easily
- Built-in mode memory function
- IPX6 water-resistance for heavy rain

Technical Specifications

- LED: highly efficient COB LEDs
- Battery: 500 mAh/3.7V rechargeable Li-polymer battery
- Dimensions(light unit): 43mm(L)*22.5mm(W)*44mm(H)
- Weight(light unit): 32g
- Compatible with round handlebar and aero handlebar

Mode	Brightness (lumens)	Run time (hrs)	Impact resistance	Water resistance
High	60	3.8	1 meter	IPX6
Mid	30	7		
Low	15	14.5		
Warning flashing	150	10		
Rapid flashing	30	12.5		
Slow flashing	60	7		

Note: The above data are tested in lab and may vary by environment and user conditions.



**Be Seen in
Confidence**

TR300

Max 300 Lumens



Compatible with round and aero seatpost



Auto on-off

Product Features

- Flashing modes with max 300 LED lumens, providing great visibility for daytime riding
- Internal side reflecting stripes, enhancing the side visibility and increasing the rider's safety
- Auto on-off mode for convenient use
- Compatible with round and aero seatposts
- 2 years warranty and limited lifetime warranty

Technical Specifications

- LED: 3* CREE XP-E2 red LEDs
- Battery: 1600mAh/3.7V rechargeable Li-ion battery
- Dimensions (light unit): 41mm (L)*33mm (W)*65mm (H)
- Weight (light unit): 77g
- Mount size: ϕ 24-36mm round / aero seatpost

Mode	Brightness (lumens)	Run time (hrs)	Impact resistance	Water resistance
High	45	9.5	1 meter	IPX4 anti-spray
Low	8	58		
Flashing 1	300	2		
Flashing 2	145	8.5		
Rapid flashing	30	27.5		
Pulse flashing	300	8		

Note: the above data are tested in lab standard and may vary by environmental and user conditions.

TR50

Max 50 Lumens



Quick release clamp design



Angle adjustable mount, compatible with round and aero seatposts

Product Features

- Dual-row highly efficient COB LED with max 50 lumens
- Specifically designed lens providing rear and side visibility
- Sensitive touch pad to switch modes easily and promptly
- Pulse flashing mode for group riding, no dazzle for following riders
- Quick release design, compatible with round and aero seatposts
- Convenient micro USB charging

Technical Specifications

- LED: highly efficient COB LED
- Battery: 800mAh/3.7V rechargeable Li-ion battery
- Dimensions (light unit): 19mm (L)*35mm (W)*65mm (H)
- Weight(light unit): 41g
- Mount size: \varnothing 24-36mm round / aero seatpost

Mode	Brightness (lumens)	Run time (hrs)	Impact resistance	Water resistance
High	30	2.7		
Low	10	7.6		
Flashing	50	4	1 meter	IPX4
Rapid flashing	10	25		
Pulse flashing	10	18		

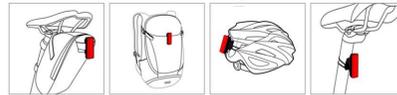
Note: the above data are tested in lab standard and may vary by environmental and user conditions.



TR20

Max 20 Lumens

LED: COB LED
 Battery: 200mAh/3.7V rechargeable Li-polymer battery
 Minimum runtime: 1.5 hours
 Maximum runtime: 11 hours
 Dimensions (Headlight): 22mm (L)*18mm (W)*52mm (H)
 Weight (Headlight): 15g
 Water resistance: IPX4
 Mount size: Φ 24mm and 36mm seatpost



Mode	Run time (hrs)	Impact resistance	Water resistance
High	1.5		
Low	4		
Flashing	10	1 meter	IPX4
Rapid flashing	10		
Pulse flashing	11		

Note: the above data are tested in lab standard and may vary by environmental and user conditions.



TR30M

Max 30 Lumens

LED: Dual highly efficient LEDs
 Battery: 200mAh/3.7V rechargeable Li-polymer battery
 Minimum runtime: 1.7 hours
 Maximum runtime: 15 hours
 Dimensions (Headlight): 25mm (L)*21mm (W)*62mm (H)
 Weight (Headlight): 22g
 Water resistance: IPX4
 Mount size: Φ 24mm and 36mm seatpost

Mode	Run time (hrs)	Impact resistance	Water resistance
High	1.7		
Low	3.2		
Flashing	2.2	1 meter	IPX4
Rapid flashing	15		
Pulse flashing	4.8		

Note: the above data are tested in lab standard and may vary by environmental and user conditions.

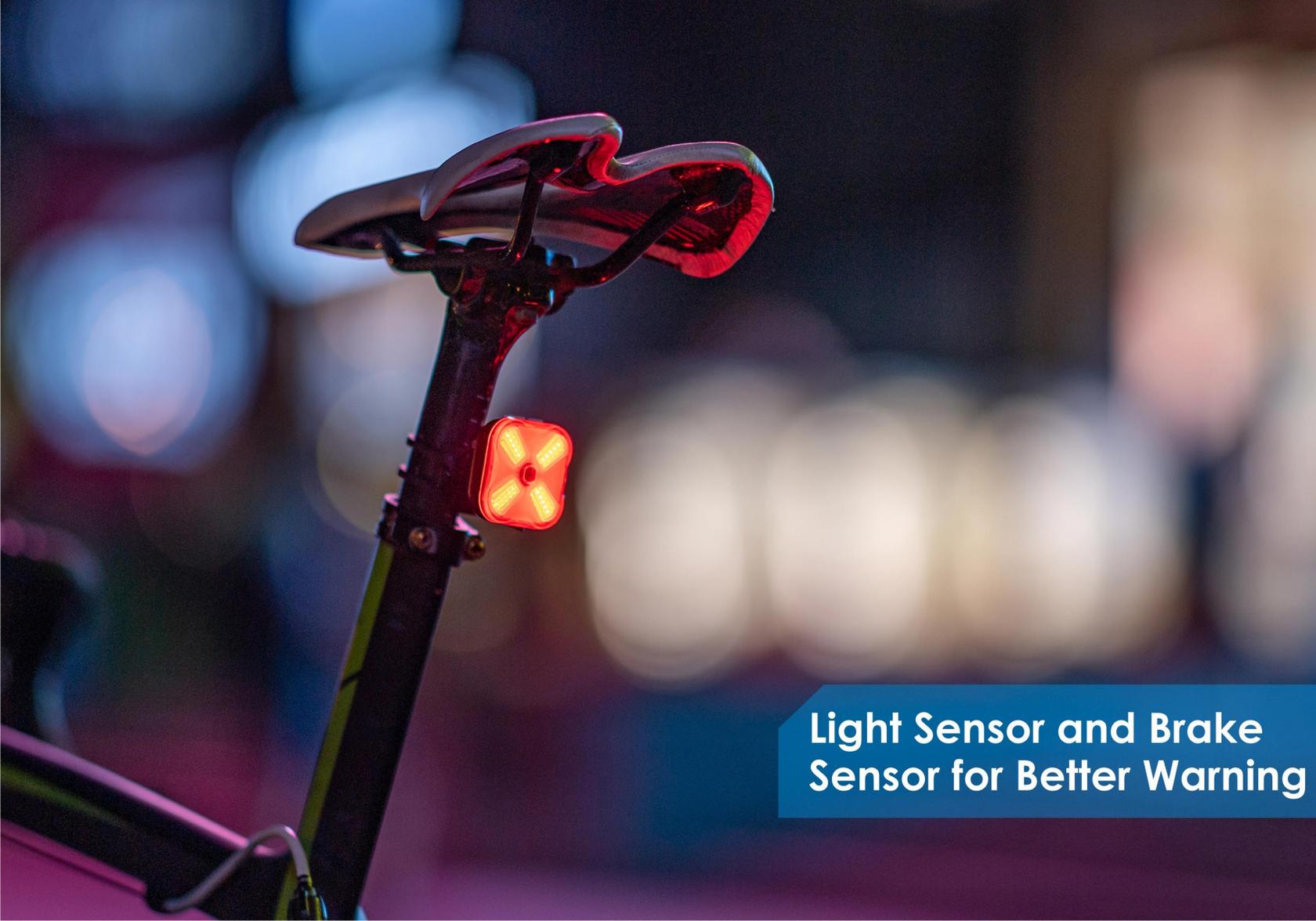


Transparent light body with 360 degree beam angle

Brighter and larger side visibility

Mounting angle adjustable to suit different riding situations

Special internal reflecting patterns



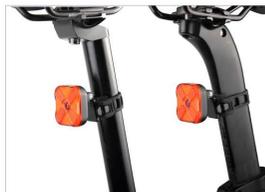
**Light Sensor and Brake
Sensor for Better Warning**

CLO6

Max 50 Lumens



Quick release clamp design



Angle adjustable mount, compatible with round and aero seatposts

Product Features

- Highly efficient COB LED with max 50 lumens
- Built-in brake sensor to activate max output for warning when braking
- Built-in light sensor to activate max output for warning when detecting headlights from rear approaching vehicles
- Auto power save and indicator for low battery
- Quick release design for various mounting ways
- USB-C charging port for convenient use
- Built-in mode memory function
- IPX6 water-resistance for heavy rain

Technical Specifications

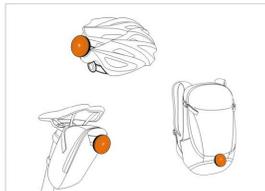
- LED: highly efficient COB LED
- Battery: 500 mAh/3.7V rechargeable Li-polymer battery
- Dimensions(light unit): 43mm(L)*22.5mm(W)*44mm(H)
- Weight(light unit): 31g
- Compatible with $\Phi 24\sim 36$ mm round seatpost and aero seatpost

Mode	Run time (hrs)	Impact resistance	Water resistance
High	8		
Low	18		
Rapid flashing	30		
Pulse flashing	12	1 meter	IPX6
High slow flashing	16		
Low slow flashing	28		
Warning flashing	/		

Note: 1)The above data are tested in lab with the sensors being deactivated and may vary by environmental and user conditions; 2)The warning flashing mode is available when the light sensor or brake sensor is activated.

CL05

Max 30 Lumens



Quick release clamp design



Angle adjustable mount, compatible with round and aero seatpost

Product Features

- Highly efficient COB LED with max 30 lumens
- Built-in light sensor to activate max output for warning when detecting headlights from rear approaching vehicles
- Auto power save and indicator for low battery
- Quick release design for various mounting ways
- USB-C charging port for convenient use
- Built-in mode memory function
- IPX6 water-resistance for heavy rain

Technical Specifications

- LED: highly efficient COB LED
- Battery: 200 mAh/3.7V rechargeable Li-polymer battery
- Dimensions(light unit): 42.5mm(L)*23.5mm(W)*43.5mm(H)
- Weight(light unit): 23g
- Compatible with $\Phi 24\sim 36$ mm round seatpost and aero seatpost

Mode	Run time (hrs)	Impact resistance	Water resistance
High	4.5		
Low	12		
Rapid flashing	8		
Pulse flashing	18	1 meter	IPX6
High slow flashing	17		
Low slow flashing	22		
Warning flashing	/		

Note: 1)The above data are tested in lab with the light sensor being deactivated and may vary by environmental and user conditions; 2)The warning flashing mode is available when the light sensor is activated.



NEW

LS01
FR150 + CL06



LS-CT02
LR500S + TR20



NEW

LS10
CR600 + TR20



NEW

LS15
CR800 + TR30M



NEW

LS20
CR1000 + CL05



NEW

LS25
PR1200 + TR50



NEW

LS30
PR1600 + TR300

ACCESSORIES



ABM01

Small yet Versatile

Bike mount for RAVEMEN headlights except PR2400/FR150;
Compatible with 22.2mm, 25.4mm and 31.8mm diameters handlebar;
Right-Left rotation angle: 10°.



ABM03

Silicone Rubber Band Bike Mount

Bike mount for RAVEMEN headlights except PR2400/FR150;
Compatible with 22.2mm to 35mm diameters round and aero handlebar;
Right-Left rotation angle: 10°.



ABM05

Bike Mount

Bike mount for RAVEMEN headlights except PR2400/FR150;
Compatible with 31.8mm and 35mm diameters handlebar;
Made by glass fiber and nylon material, light and durable.



ABM08

Bike Mount

Bike mount for PR2400;
Compatible with 31.8mm and 35mm diameters handlebar;
Made by glass fiber and nylon material, light and durable.



AUB01

Upside-down Bracket

Standard GoPro mount adapter.



ARS01

Wireless Remote Switch

Compatible with PR1600 headlight;
For replacement only. The PR1600 headlight can be paired with one ARS01 at a time;
Battery: CR2032 (sold separately).



ABM09

Light Weight and Simple

Bike mount for FR150 with quick release design



ABM06

Light Weight and Simple

Bike Mount for TR20 / TR30M / TR50/ CL05/ CL06 with quick release design, compatible with Φ 24–36mm round seatpost and aero seatpost.



ABM07

Saddle Rail Mount

Saddle rail mount for rear lights, light-weight and easy-to-use;
Compatible with TR20, TR30M, TR50, CL05 and CL06 rear lights.



AHM01

Helmet Mount

Length adjustable design and standard GoPro mount adapter.



ARB01

Wired Remote Button

Change brightness levels safely without releasing the grip during riding;
Outer jacket is made of TPE, sturdy and durable;
Compatible with PR / CR / LR (Except PR1600/PR2400) front lights.



ARS02

Wireless Remote Switch

Compatible with PR2400 headlight;
For replacement only. The PR2400 headlight can be paired with one ARS02 at a time;
Battery: CR2032 (sold separately).

PRODUCT LIST

Front Light



PR2400



PR1600



PR1200



PR900



PR800



CR1000



CR900

LED	5*high-efficiency white LED	2*high-efficiency white LED	2*high-efficiency white LED	2*high-efficiency white LED	high-efficiency white LED	1*high-efficiency white LED	1*high-efficiency white LED
Battery	8000mAh Li-ion battery	6000mAh Li-ion battery	5200mAh Li-ion battery	5200mAh Li-ion battery	3200mAh Li-ion battery	4000mAh Li-ion battery	3000mAh Li-ion battery
Maximum Output	2400 LM	1600 LM	1200 LM	900 LM	800 LM	1000 LM	900 LM
Maximum Runtime	45 hrs	24 hrs	21 hrs	20 hrs	22hrs	45hrs	36 hrs
Size(mm)	105x51x36	100x48x27	100x48x27	100x48x27	85x48x27	104x29x32	98x30x33
Weight (Headlight)	282g	220g	213g	202g	165g	140g	115g
Water Proof/Resistance	IPX8	IPX8	IPX8	IPX8	IPX8	IPX6	IPX6
Mount Size(mm)	Φ31.8 ~ 35	Φ31.8 ~ 35	Φ31.8 ~ 35	Φ31.8 ~ 35	Φ22.2 ~ 31.8	Φ22.2 ~ 35	Φ22.2 ~ 35

PRODUCT FEATURES CHART

Front Light Features	 PR2400	 PR1600	 PR1200	 PR900	 PR800	 CR1000	 CR900
Wireless Remote Control	★	★					
Wired Remote Control			★	★	★	★	★
HiLo Beam System(Car light design)	★	★	★	★	★		
Low Beam System(Anti-glare design)	★	★	★	★	★	★	★
Curved Lens System							
Runtime Display	★	★	★	★			★
Low Battery Indicator	★	★	★	★	★	★	★
USB Output Function	★	★	★	★	★		
Runtime Extension	★	★			★	★	
Intelligent Thermal Control	★	★	★	★	★	★	★
Side Visibility						★	
Touch Control							★
Stepless Output Adjustment							★

☆ The wired remote button can be applied to LR500S and LR800P but needs to be purchased separately.

PRODUCT LIST

Rear Light



TR300



TR50



TR30M



TR20



CL06



CL05

	TR300	TR50	TR30M	TR20	CL06	CL05
LED	3°CREE XP-E2 (Red)	COB LED	Dual highly efficient LEDs	COB LED	COB LED	COB LED
Battery	1600mAh Li-ion battery	800mAh Li-ion battery	200mAh Li-polymer battery	200mAh Li-polymer battery	500mAh Li-polymer battery	200mAh Li-polymer battery
Maximum Output	300 LM	50 LM	30 LM	20 LM	50 LM	30 LM
Maximum Runtime	58hrs	25hrs	15hrs	11hrs	30hrs	22hrs
Size(mm)	41x33x65	19x35x65	25x21x62	22x18x52	43x22.5x44	42.5x23.5x43.5
Weight (light unit)	77g	41g	22g	15g	31g	23g
Water Resistance	IPX4	IPX4	IPX4	IPX4	IPX6	IPX6
Mount Size	Φ24 ~ 36mm	Φ24 ~ 32mm	Φ24 ~ 36mm	Φ24 ~ 36mm	Φ24 ~ 36mm	Φ24 ~ 36mm

PRODUCT FEATURES CHART

Front Light Features	 CR800	 CR600	 CR450	 LR800P	 LR500S	 FR150
Wireless Remote Control						
Wired Remote Control	★	★	★	☆	☆	
HiLo Beam System(Car light design)						
Low Beam System(Anti-glare design)	★	★	★			
Curved Lens System				★	★	
Runtime Display						
Low Battery Indicator	★	★	★	★	★	★
USB Output Function						
Runtime Extension	★	★	★	★	★	★
Intelligent Thermal Control	★	★	★	★	★	
Side Visibility	★			★	★	★
Touch Control						
Stepless Output Adjustment						

☆ The wired remote button can be applied to LR500S and LR800P but needs to be purchased separately.

PRODUCT FEATURES CHART

Rear Light Features	 TR300	 TR50	 TR30M	 TR20	 CL06	 CL05
360 Degree Visibility			★			
75 Degree Angle Adjustable		★	★	★	★	★
Touch Control		★				
Multiple Mounting Options		★	★	★	★	★
Group Riding Function	★	★	★			
Side Visibility	★	★	★	★	★	★
Aero Seatpost Compatibility	★	★			★	★
Low Battery Indicator	★	★	★	★	★	★
Auto On-off	★					
Built-in Light Sensor					★	★
Built-in Brake Sensor					★	

PRODUCT WARRANTY

We proudly claim and warrant our products free of defects in material and workmanship for 2 years from the day of purchase under normal use.

If a covered defect occurred, return the light to the place of purchase.

If this happens within the 15 days from the day of purchase, we will replace the defect model with a brand new one without extra charges;

After 15 days from the day of purchase, handling and transportation charges shall be borne by person desiring service.

Limited lifetime warranty is also available after 2 years free warranty period and the cost of service and spare parts will be charged accordingly.

WARRANTY EXCLUSIONS

1. Without original sales receipt or proof of the purchase
2. Normal wear and tear and normal battery deterioration
3. Unauthorized modifications or alterations, improper use and maintenance

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