



CATEYE HEADLIGHT

Performance comparison table

	IRRADIATION RANGE (distance,width,height) COMPARISON	BEAM PATTERN	MODEL	RUN TIME / BATTERY	WEIGHT / BRACKET SIZE	PRICE
TRAIL RIDE / RACE / SUBURBAN COMMUTE PRO MODEL	TRIPLE SHOT PRO Total Candlepower : 30000 Candlepower at center of light : 2450		 TRIPLE SHOT PRO	[HIGH] UP TO 3hr [LOW] UP TO 6hr Li-ion [CHARGE] UP TO 5hr	Light Unit : 249g Battery : 263g ø22-32mm (H-34) 	
	TRIPLE SHOT Total Candlepower : 20000 Candlepower at center of light : 2400		 TRIPLE SHOT	[CONSTANT] UP TO 3.3hr Ni-MH [CHARGE] UP TO 3hr	Light Unit : 240g Battery : 477g ø22-28mm (H-32) ø28-32mm (H-31) 	
	DOUBLE SHOT PRO Total Candlepower : 25000 Candlepower at center of light : 3200		 DOUBLE SHOT PRO	[HIGH] UP TO 2hr [LOW] UP TO 4hr Li-ion [CHARGE] UP TO 3hr	Light Unit : 227g Battery : 158g Helmet mount bracket ø22-32mm (H-34) 	
	DOUBLE SHOT Total Candlepower : 20000 Candlepower at center of light : 3000		 DOUBLE SHOT	[CONSTANT] UP TO 5.5hr Ni-MH [CHARGE] UP TO 3hr	Light Unit : 216g Battery : 477g Helmet mount bracket ø22-28mm (H-32) ø28-32mm (H-31) 	
URBAN COMMUTE / SAFETY / BACK UP SPORT MODEL	SINGLE SHOT PLUS Total Candlepower : 15000 Candlepower at center of light : 1500		 SINGLE SHOT PLUS	[HIGH] UP TO 3hr [LOW] UP TO 9hr [FLASHING] UP TO 36hr Ni-MH [CHARGE] UP TO 4hr	270g ø22-32mm (H-34) 	
	SINGLE SHOT Total Candlepower : 10000 Candlepower at center of light : 1000		 SINGLE SHOT	[HIGH] UP TO 2hr [LOW] UP TO 6hr [FLASHING] UP TO 24hr Ni-MH [CHARGE] UP TO 5hr	132g ø22-32mm (H-34) 	
	HL-EL530 Total Candlepower : 7000 Candlepower at center of light : 1500		 HL-EL530 • WATER PROOF : 30m	[CONSTANT] UP TO 90hr AA×4	207g ø22-32mm (H-34) 	
	HL-EL450 Total Candlepower : 4000 Candlepower at center of light : 400		 HL-EL450 • WATER PROOF : 50m	[HIGH] UP TO 30hr [LOW] UP TO 60hr [FLASHING] UP TO 60hr AAA×3	91g ø16-32mm Universal mount [OPTION] Flex-Tight™ BRACKET ø22-32mm(H-34) 	
	UNO Total Candlepower : 2800 Candlepower at center of light : 400		 UNO	[FLASHING] UP TO 60hr [CONSTANT] UP TO 15hr AA×1	73g ø22-32mm (H-34) 	
URBAN COMMUTE / SAFETY / BACK UP SPORT MODEL	HL-EL135 Total Candlepower : 1200 Candlepower at center of light : 80		 HL-EL135	[FLASHING] UP TO 320hr [CONSTANT] UP TO 80hr AA×2	91g ø22-32mm (H-34) 	




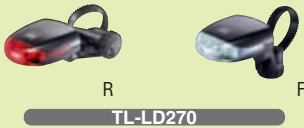


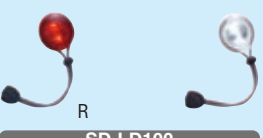
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CATEYE TAIL&SAFETY LIGHT

Performance comparison table



MODEL	BRIGHTNESS(CANDLEPOWER)	RUN TIME / BATTERY	BRACKET SIZE / NOTE	PRICE
 TL-LD1100	100 cd	[FLASHING] UP TO 100hr [CONSTANT] UP TO 50hr AA×2	ø23.5-32.5mm BELT CLIP	
 TL-LD610	80 cd	[FLASHING] UP TO 60hr [CONSTANT] UP TO 30hr AAA×2	ø13-32mm Flex-Tight™ BRACKET	
 TL-LD500	2 cd	[FLASHING] UP TO 100hr [CONSTANT] UP TO 50hr AAA×2	ø23.5-30.2mm REFLECTOR MEET CPSC/BS/JIS	
 TL-LD270	4 cd	[R] [FLASHING] UP TO 180hr [CONSTANT] UP TO 60hr [F] [FLASHING] UP TO 90hr [CONSTANT] UP TO 30hr N×2	ø18-32mm Flex-Tight™ BRACKET	
 TL-LD150	4 cd	[FLASHING] UP TO 90hr [CONSTANT] UP TO 45hr AAA×2	ø18-32mm Flex-Tight™ BRACKET BELT CLIP	
 TL-LD130	4 cd	[FLASHING] UP TO 150hr [CONSTANT] UP TO 75hr AAA×2	ø18-32mm Flex-Tight™ BRACKET BELT CLIP	
 SD-LD100	[R] 0.4 cd [W] 0.3 cd	[R] [FLASHING] UP TO 100hr [CONSTANT] UP TO 50hr [ALTERNATING] UP TO 150hr [W] [FLASHING] UP TO 60hr [CONSTANT] UP TO 30hr [ALTERNATING] UP TO 90hr CR2032×2	ø18-32mm	

How CatEye Engineers the Best Bicycling Lights.

The goal of any well-designed bicycle light is to project the light where it is needed, maximizing the components and technology available. CatEye engineers the best optics and lens of a light in designing our products utilizing the best battery source and circuitry to drive the highest quality LED's taking full advantage of the usable light. The result is a superior light projected where it is needed.

Watts, Lumens, & Candlepower?

With an abundance of lighting products and technology on the market, the topic of how to measure light efficiency can be rather confusing.

Watts are a measurement of energy consumed by a light source. In the past, when most systems were using similar halogen bulbs, understanding that a 15 watt system will be brighter than a 10 watt system was simple. Now, not only are there different technologies of halogen, HID and LED, but the same wattage of LED will not necessarily produce the same amount of light. Thus, we can no longer consider watts as an accurate way to measure light output.

Lumens measure the total amount of light that a specific light system produces. Although lumens is an accurate measurement of light output, it says nothing about the efficiency of light projected. Respectively, a lighting system with a high lumen output may not be designed to utilize the light properly for cycling.

Candlepower is the specific measurement of projected light. As a preferred method of measurement by CatEye, this usable light is the result of complete consideration of the lighting system from the batteries and circuitry that drive the light source, to the lens and reflector that project the light.

As a result, with every CatEye product, you can be confident that all aspects of the light has been measured, refined, engineered and designed to exceed your expectations.

OptiCube technology

Our proprietary OptiCube technology maximizes brightness for greater visibility.



Total Candlepower



Total Candlepower represents amount of light that is projected out front, where users mostly needs lights. Total Candlepower is the measurement total of the 21 points representing a beam width of 3.5 meter in the distance of 10 meters.



Engineered for optimal brightness and efficiency, our Reverse Offset Lens design launches the next generation in lighting technology. ROL™ features a unique lens that focuses an LED beam on our precisely-curved reflector, maximizing output by eliminating non-controlled light.

