

# COMPARISON CHART

HEADLIGHTS						
						
	AMPP2200	AMPP1700	AMPP1100	AMPP900	AMPP900 with Helmet Mount	SYNC CORE
LEDs Light Output	LED x 1 2,200 lm / 5,000 cd	LED x 1 1,700 lm / 3,500 cd	LED x 2 1,100 lm / 6,000 cd	LED x 1 900 lm / 4,800 cd	LED x 1 900 lm / 4,800 cd	LED x 1 500 lm / 5,000 cd
Battery	Li-ion, USB-C rechargeable	Li-ion, USB-C rechargeable	Li-ion, USB rechargeable	Li-ion, USB-C rechargeable	Li-ion, USB-C rechargeable	Li-ion, USB rechargeable
Run Time (Approx.)	1 hr.(Ultra Boost) 2200 lm 1.5 hr.(High) 1500 lm 2.5 hr.(Middle) 800 lm 5 hr.(Low) 400 lm 12 hr.(Enduro) 200 lm 4 hr.(Daytime HC)*1 1500/400lm 60 hr.(Flashing) 200 lm	1.25 hr.(Ultra Boost) 1700 lm 1.75 hr.(High) 1300 lm 3 hr.(Middle) 700 lm 5 hr.(Low) 400 lm 4 hr.(Daytime HC)*1 1300/400lm 60 hr.(Flashing) 200 lm	1.5 hr.(High) 1100 lm 2 hr.(Middle) 800 lm 4.5 hr.(Low) 400 lm 6.5 hr.(Daytime HC)*1 1100/400lm 50 hr.(Flashing) 200 lm	2 hr.(High) 900 lm 3 hr.(Middle) 400 lm 5 hr.(Low) 200 lm 4 hr.(Daytime HC)*1 900/200 lm 35 hr.(Flashing) 200 lm	2 hr.(High) 900 lm 3 hr.(Middle) 400 lm 5 hr.(Low) 200 lm 4 hr.(Daytime HC)*1 900/200 lm 35 hr.(Flashing) 200 lm	2 hr.(High) 500 lm 9 hr.(Middle) 150 lm 15 hr.(Low) 100 lm 18 hr.(Daytime HC)*1 500/100 lm 130 hr.(Flashing) 100 lm
Mounting Position	Handlebar, Helmet	Handlebar, Helmet	Handlebar, Helmet	Handlebar, Helmet	Helmet	Handlebar, Helmet
Bracket	ø22 - 35 mm FlexTight™ (H-34N)	ø22 - 35 mm FlexTight™ (H-34N)	ø22 - 35 mm FlexTight™ (H-34N)	ø22 - 35 mm FlexTight™ (H-34N)	- Helmet Mount	ø22 - 35 mm FlexTight™ (H-34N)
Weight *Light Unit + Battery	213.5 g	213.5 g	200 g	142 g	142 g	94 g
Recharge Time (Approx.)	4 hr. (2A)	4 hr. (2A)	3 hr. (2A) - 5 hr.(1A)	4 hr. (1A) - 8 hr.(0.5A)	4 hr. (1A) - 8 hr.(0.5A)	3 - 6 hr. * 3 hr fast recharge using 1A or higher USB charging adaptor, or using USB3.0
Dimensions	43.5 x 117 x 38.5 mm	43.5 x 117 x 38.5 mm	48.5 x 105 x 39.5 mm	32 x 102 x 35 mm	32 x 102 x 35 mm	33.5 x 93.5 x 41 mm

SAFETY LIGHTS									
	VIZ450	VIZ300	VIZ150	SYNC KINETIC	RAPID X2 KINETIC	TIGHT KINETIC	SYNC WEARABLE	WEARABLE X	WEARABLE MINI
LEDs	Red x 5	Red x 3	Red x 3	Red x 5	COB LED	Red x 5	COB LED	COB LED	Red x 1
Battery	Li-ion USB rechargeable	Li-ion USB rechargeable	Li-ion USB rechargeable	Li-poly USB rechargeable	Li-poly USB rechargeable	LR3 AAA x 2	Li-poly USB rechargeable	Li-poly USB rechargeable	CR2032 x 1
Run Time (Approx.)	5 hr. (Constant) 65 hr. (Flashing) 10 hr. (Group Ride) 14 hr. (Daytime HyperFlash)	5 hr. (Constant) 45 hr. (Flashing) 10 hr. (Group Ride) 10 hr. (Daytime HyperFlash)	5 hr. (Constant) 70 hr. (Flashing) 33 hr. (Group Ride) 15 hr. (Daytime HyperFlash)	1.5 hr.*2 (High) 15 hr.*2 (Low) 50 hr.*2 (Flashing) 20 hr.*2 (Rapid) 15 hr.*2 (Group Ride) 30 hr.*2 (Daytime HyperFlash)	5 hr.*2 (Constant) 30 hr.*2 (Flashing) 16 hr.*2 (Rapid)	70 hr.*2 (Constant) 160 hr.*2 (Flashing) 140 hr.*2 (Rapid)	1.5 hr.*2(High) 18 hr.*2(Low) 45 hr.*2(Flashing) 16 hr.*2(Rapid) 12 hr.*2(Group Ride) 25 hr.*2(Daytime HyperFlash)	1 hr.(High) 10 hr.(Low) 30 hr.(Flashing) 10 hr.(Rapid) 10 hr.(GroupRide) 13 hr.(Daytime HyperFlash)	60 hr.(Constant) 550 hr.(Slow Flashing) 140 hr.(Rapid Flashing)
Mount Size (mm / approx.)	ø21.5 - 32 mm SP-15 Fits aero seat post of up to 130 mm outer circumference	ø21.5 - 32 mm SP-15 Fits aero seat post of up to 130 mm outer circumference	ø21.5 - 32 mm SP-15 Fits aero seat post of up to 130 mm outer circumference	Rubber band mount ø26.0 - 31.8 mm	ø12 - 32 mm	ø12 - 32 mm FlexTight™ (SP-11)	Bike mount : ø26 - 32 mm	Bike mount : ø26 - 32 mm	Rubber band mount ø26.0 - 31.8 mm
Other	Battery auto save	Battery auto save	Battery auto save	Kinetic mode Battery auto save	Kinetic mode Battery auto save	Kinetic mode	Kinetic mode (when used with SYNC Kinetic), Battery auto save	Battery auto save Bike mount included	Long rubber band for helmet also included
Recharge Time (Approx.)	3.5 hr.	3 hr.	3 hr.	2.5 hr.	2 hr.	—	2.5 hr.	2 hr.	—
Dimensions	25 x 75.5 x 34 mm	25 x 75.5 x 34 mm	21 x 62.5 x 32.5 mm	26.5 x 74.5 x 23 mm	30.5 x 74.5 x 33 mm	36 x 77.5 x 23.5 mm	44 x 50 x 24.5 mm	44 x 50 x 21.5 mm	33.5 x 39 x 18.5 mm
Snap System™	•	•	•	—	—	•	—	—	—

# HEADLIGHTS / SAFETY LIGHTS

NEW



NEW



AMPP500S	AMPP400S	AMPP200	AMPP100	HL-EL160	HL-EL135
LED x 1 500 lm / 4,500 cd	LED x 1 400 lm / 3,500 cd	LED x 1 200 lm / 2,000 cd	LED x 1 100 lm / 1,000 cd	LED x 1 50 lm / 1,700 cd	LED x 3 150 cd
Li-ion, USB-C rechargeable	Li-ion, USB-C rechargeable	Li-ion, USB rechargeable	Li-ion, USB rechargeable	LR6 (AA) x 2	LR6 (AA) x 2
1.5 hr.(High) 500 lm 3 hr.(Middle) 250 lm 8 hr.(Low) 100 lm 5 hr.(Daytime HC)*1 500/100 lm 60 hr.(Flashing) 100 lm	2 hr.(High) 400 lm 4 hr.(Middle) 200 lm 8 hr.(Low) 100 lm 6 hr.(Daytime HC)*1 400lm/100 lm 60 hr.(Flashing) 100 lm	1.5 hr.(High) 200 lm 13 hr.(Low) 40 lm 30 hr.(Flashing) 200 lm	3.5 hr.(Constant) 100 lm 35 hr.(Flashing) 100 lm	250 hr.(Flashing) 50 lm 30 hr.(Constant) 50 lm	320 hr.(Flashing) 80 hr.(Constant)
Handlebar, Helmet	Handlebar, Helmet	Handlebar	Handlebar	Handlebar	Handlebar
ø22 - 35 mm FlexTight™ (H-34N)	ø22 - 35 mm FlexTight™ (H-34N)	ø22 - 35 mm Rubber strap	ø22 - 35 mm Rubber strap	ø22 - 35 mm FlexTight™ (H-34N)	ø22 - 35 mm FlexTight™ (H-34N)
106 g	106 g	62 g	62 g	83 g	77 g
4 hr. (1A)	4 hr. (1A)	2.5hr. (0.5A)	2.5hr. (0.5A)	—	—
36 x 100.5 x 38.5 mm	36 x 100.5 x 38.5 mm	34.5 x 86 x 33 mm *3	34.5 x 86 x 33 mm *3	37.5 x 88.5 x 32 mm	36 x 85.5 x 27 mm

lm: Lumens

cd: Candlepower



REFLEX RACK	REFLEX AUTO	OMNI 5	OMNI 3		ORB RECHARGEABLE		ORB	
			- F	- R	- F	- R	SL-LD160-F SL-LD160-R	SL-LD160-R-BE
Red x 1	Red x 5	Red x 5	White x 3	Red x 3	White x 1	Red x 1	White x 1 Red x 1	Red x 1
LR6 AA x 2	LR3 AAA x 2	LR3 AAA x 2	LR3 AAA x 2	LR3 AAA x 2	Li-poly USB rechargeable	Li-poly USB rechargeable	CR2032 x 2	CR2032 x 2
220 hr. (Constant)	60 hr.(Rapid) 120 hr.(Long-Life) 30 hr.(Pulse) 100 hr.(Flashing) 30 hr.(Constant)	120 hr. (Rapid) 90 hr. (Flashing) 60 hr. (Constant)	50 hr. (Rapid) 150 hr. (Flashing) 50 hr. (Constant)	200 hr. (Rapid) 150 hr. (Flashing) 100 hr. (Constant)	3 hr.(Constant) 6.5 hr.(Rapid flashing) 6.5 hr.(Slow flashing)	2.5 hr.(Constant) 5 hr.(Rapid flashing) 5 hr.(Slow flashing)	50 hr. (Constant) 100 hr. (Rapid flashing) 100 hr. (Slow flashing)	
50 mm, 80 mm, center mount (19 mm) Fits rear rack only	ø21.5 - 31.8 mm	ø12 - 32 mm FlexTight™ (SP-11)	ø22.2 - 32 mm FlexTight™ (SP-12-F)	ø12 - 32 mm FlexTight™ (SP-11)	ø22 - 32 mm	ø22 - 32 mm	ø22 - 32 mm	Inside diameter of the handlebar ø18.5 - 22 mm
Reflector	Reflector Auto light Rear rack mount included	Clothing clip included	Clothing clip included	Clothing clip included	—	—	—	—
—	—	—	—	—	3.5 hr.	3.5 hr.	—	—
103 x 53 x 29.5 mm	81.5 x 44.5 x 30.5 mm	75 x 36 x 22 mm	75 x 36 x 22 mm	75 x 36 x 22 mm	27 x 27 x 32 mm *3	27 x 27 x 32 mm *3	27 x 27 x 32 mm *3	27 x 27 x 52.5 mm
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\*1 Daytime HyperConstant \*2 When not using Kinetic Mode. \*3 excluding the rubber strap.