

LED Street Ultimate



Characteristics

- Easy and quick installation
- High light efficiency, low energy consumption High luminous efficiency of >150 lm/W
- They are light-emitting diodes, so they do not have filaments or burn out quickly (they have incredibly long lives)
- Built-in level for LED Street Ultimate
- EU made product

Typical application

Street lighting
Areal lighting

Electrical characteristics

Supply voltage range	90-305VAC
Frequency	50/60 Hz
Power factor	≥0.95
Control Protocol(s)	1-10V, Photocell (optional)
LED driver	Constant current (CC)
Socket	Zhaga (optional) NEMA 3/5/7-pin (optional)

Protection

Ingress protection	IP 66
IK Rating	IK 08
Safety class	Class I
Surge protection	L-N:10KV: L/N-GND:10KV (optional)
Recommended usage for countries with lots of lightning/thundering	Electrostart SPD 10/20kV

Body characteristics

Body material	Die-casting aluminum alloy
Color	RAL 7040
Optic material	Polycarbonate (PC)
Protector	Glass
Mounting hole diameter	60/70 mm
Angle of movement	168°-192°

Lighting characteristics

Efficiency	up to 160 lm/W
Energy efficiency class	B
Color rendering index (CRI)	>70, >80 on request
Color temperature (CCT)	3000K/4000K/ 5000K/6500K
LEDs	LED SMD3030
Beam angle lens options	T2-65°x145° - 44°x155° T3-70°x150° - 80°x150° T4-85°x160° - 80°x160°

Warranty conditions

Lifespan of the LEDs @ Ta 25°	L70B10 -> 100 000h L80B10 -> 50 000h L90B10 -> 30 000h 5 Y/7 Y (optional)
Warranty	
Operating temperature	-35 ~ 50°C
Storage temperature	-20 ~ 60°C

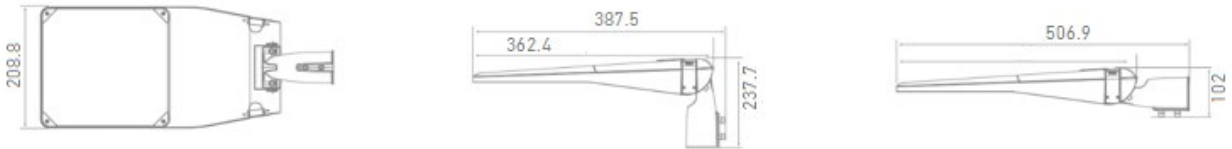
Standards

Harmonics	EN 61000-3-2 Class C <20%
EMC Immunity	EN 61547
Conducted Emission Test	EN 55015
Luminaires	EN 60598-1
LED Luminaire performance	EN 62722-2-1
Photobiological safety	EN 62471

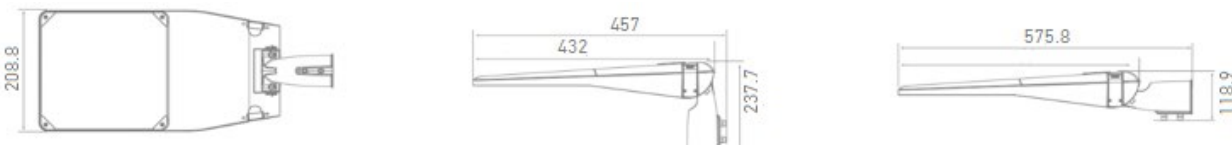
Product	Rated Power	Luminous Flux	CRI	CCT	Efficiency	Optics	Material of Body
LED Street Ultimate 20W	20W	3 200 lm	>70	3000K/4000K/5000K/6500K	160lm/W	T2/T3/T4	Die-casting aluminum
LED Street Ultimate 30W	30W	4 800 lm	>70	3000K/4000K/5000K/6500K	160lm/W	T2/T3/T4	Die-casting aluminum
LED Street Ultimate 40W	40W	6 400 lm	>70	3000K/4000K/5000K/6500K	160lm/W	T2/T3/T4	Die-casting aluminum
LED Street Ultimate 50W	50W	8 000 lm	>70	3000K/4000K/5000K/6500K	160lm/W	T2/T3/T4	Die-casting aluminum
LED Street Ultimate 60W	60W	9 600 lm	>70	3000K/4000K/5000K/6500K	160lm/W	T2/T3/T4	Die-casting aluminum
LED Street Ultimate 70W	70W	11 200 lm	>70	3000K/4000K/5000K/6500K	160lm/W	T2/T3/T4	Die-casting aluminum
LED Street Ultimate 80W	80W	12 800 lm	>70	3000K/4000K/5000K/6500K	160lm/W	T2/T3/T4	Die-casting aluminum
LED Street Ultimate 100W	100W	16 000 lm	>70	3000K/4000K/5000K/6500K	160lm/W	T2/T3/T4	Die-casting aluminum
LED Street Ultimate 150W	150W	24 000 lm	>70	3000K/4000K/5000K/6500K	160lm/W	T2/T3/T4	Die-casting aluminum
LED Street Ultimate 200W	200W	32 000 lm	>70	3000K/4000K/5000K/6500K	160lm/W	T2/T3/T4	Die-casting aluminum
LED Street Ultimate 240W	240W	38 400 lm	>70	3000K/4000K/5000K/6500K	160lm/W	T2/T3/T4	Die-casting aluminum

Schemes and Dimensions

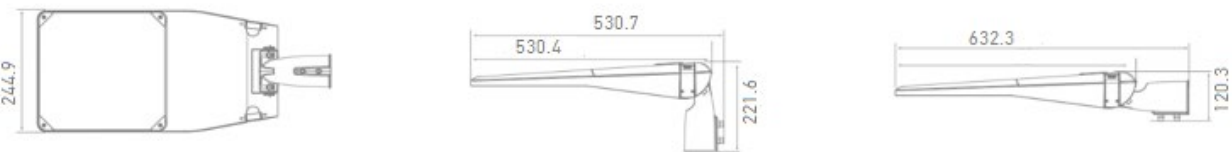
20W, 30W, 40W



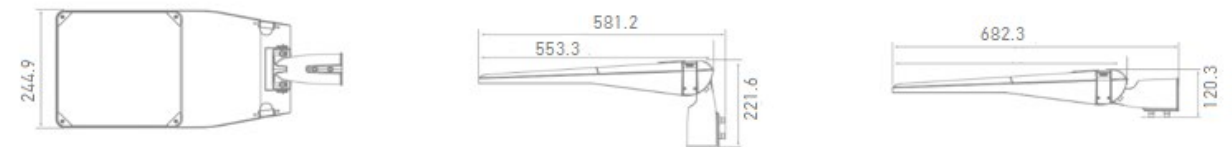
50W, 60W, 70W



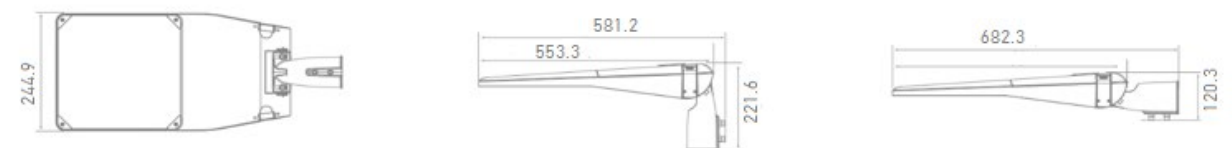
80W, 100W



150W



200W, 240W



Lighting Curves

