

# SL02-Series



## KEY ADVANTAGES

- Maximize energy savings and lower maintenance costs
- A new generation of self-developed multi-angle T2/T3/T4 lenses, offering high-efficiency lighting, comfort and safety
- 4 sizes to provide the most accurate solution for numerous road and urban applications
- Tool-free access with a clear, perceptible click upon closing
- Die-cast aluminum heat sink with smooth surface design to ensure high-quality heat dissipation and automatic cleaning function
- Optional NEMA or ZHAGA socket function, realize energy saving needs
- Wide range of operating temperatures

## TYPES OF APPLICATION

- URBAN & RESIDENTIAL STREETS
- BRIDGES
- BIKE & PEDESTRIAN PATHS
- RAILWAY STATIONS & METROS
- CAR PARKS
- SQUARES & PEDESTRIAN AREAS
- ROADS & MOTORWAYS



BRIDGES



URBAN & RESIDENTIAL STREETS



BIKE & PEDESTRIAN PATHS



RAILWAY STATIONS & METROS



CAR PARKS



SQUARES & PEDESTRIAN AREAS



ROADS & MOTORWAYS



## GENERAL INFORMATION

Driver included	Yes
CE mark	Yes
RoHS compliant	Yes
Safety features	Open circuit protection Short circuit protection Overvoltage protection
Testing standard	LM-79 -19 (all measurements in ISO17025 accredited laboratory)

## HOUSING AND FINISH

Housing	Diecasting aluminium
Optic	Polycarbonate
Protector	Glass
Housing finish	Electrostatic polyester powder coating
Standard colour(s)	RAL 7040
Tightness level	IP 66
Impact resistance	IK 08
Vibration test	Yes
Mounting holes	H:6-8M $\Phi=60\text{MM}$ H:10-12M $\Phi=60\text{MM}$

## OPERATING CONDITIONS

Operating temperature range (Ta)	-35°C to + 50°C
Operating Humidity	10-90%RH
Mounting Option	Vertical pole mounted
Warranty	5 years

## PERFORMANCE

Power	30W/60W/100W/150W/200W/240W
Efficacy	130-150lm/W
Power Efficiency	≥85%
Start Time	≤0.2S

## ELECTRICAL INFORMATION

Electrical class	Class I
Nominal voltage	90-305V   50/60Hz
Power factor (at full load)	0.95@120VAC
Surge protection options (kV)	10KV-Line-Line / 10KV-Line-Earth 20KV Optional
Electromagnetic compatibility (EMC)	EN 55015:2019/A11:2020, EN 61000 3-2:2019, EN 61000-3-3:2013, EN 61547:2009, EN 62493:2015
Control protocol(s)	1-10V, Photocell (optional)
Socket	Zhaga (optional) NEMA 3/5/7-pin (optional)
Total Harmonic Distortion(THD)	IEC 61000-3-2 Class C <20%
Driver Type	Constant current(CC)
For fixed Class 1 luminaires, overvoltage protective devices which comply with IEC 61643-11 shall be disconnected from the circuit.	
withstand voltage	1.5KV 60S 10mA

## OPTICAL INFORMATION

LED Type	SMD3030
Beam Angle	T2 / T3 / T4
Recommended installation height	6m to 12m
Color Tolerance	Ra70 ≤7 Ra80 ≤5
LED colour temperature	3000-6500K
Colour rendering index (CRI)	CRI>70 standard CRI>80 optional
Upward Light Output Ratio (ULOR)	0%

## LIFETIME OF THE LEDS @ TA 25°C

All configurations	
L70B10	>100,000h
L80B10	>50,000h
L90B10	>30,000h
Switching Cycles	>100,000 times

## ECO VERSION

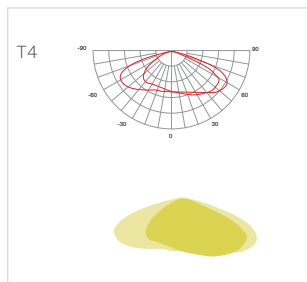
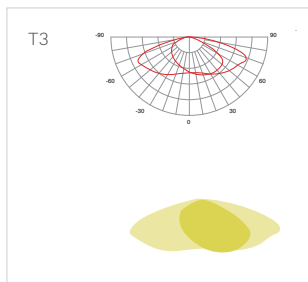
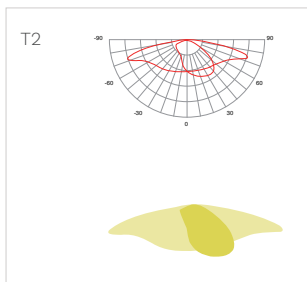
POWER	LUMENS	EFFICACY
30W	4,500LM	150LM/W(Ra70)
	3,900LM	130LM/W(Ra80)
60W	9,000LM	150LM/W(Ra70)
	7,800LM	130LM/W(Ra80)
100W	15,000LM	150LM/W(Ra70)
	13,000LM	130LM/W(Ra80)
150W	22,500LM	150LM/W(Ra70)
	19,500LM	130LM/W(Ra80)
200W	30,000LM	150LM/W(Ra70)
	26,000LM	130LM/W(Ra80)
240W	36,000LM	150LM/W(Ra70)
	31,200LM	130LM/W(Ra80)

※ The Performance Data is tested base on 230VAC, TYPE II and 4000K for all versions  
 ※ Power Consumption Tolerance ±5% (Apply to all versions)  
 ※ Lumen Efficiency Tolerance ±5% (Apply to all versions)

## PACKAGING

POWER	PACKAGE SIZE	QTY/CTN	CBM	NET WEIGHT	GROSS WEIGHT
30W	L520*W250*H125mm	1PCS/CTN	0.019	2.5kg	3.0kg
60W	L595*W250*H125mm	1PCS/CTN	0.021	3.0kg	3.5kg
100W	L650*W290*H125mm	1PCS/CTN	0.028	3.5kg	4.0kg
150W	L715*W290*H125mm	1PCS/CTN	0.032	4.0kg	4.5kg
200/240W	L785*W350*H150mm	1PCS/CTN	0.036	5.0kg	5.5kg

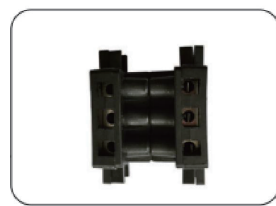
## LIGHT DISTRIBUTIONS



Driver



SPD

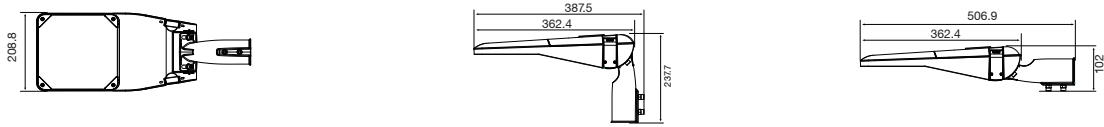


Cut-off switch

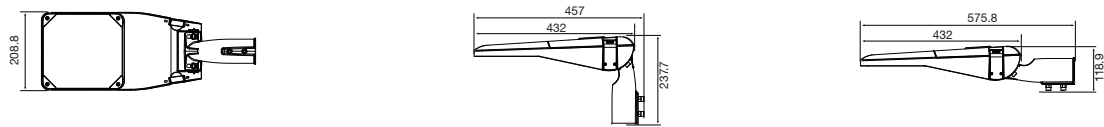




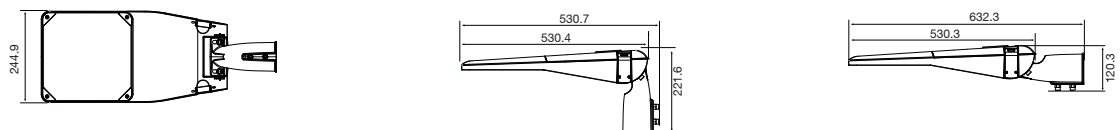
## 30W



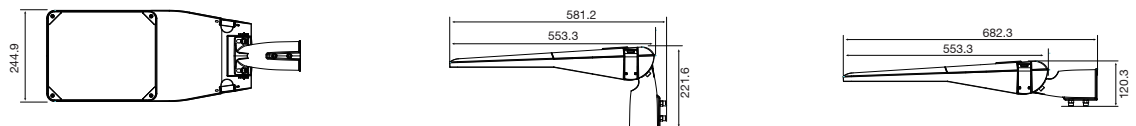
## 60W



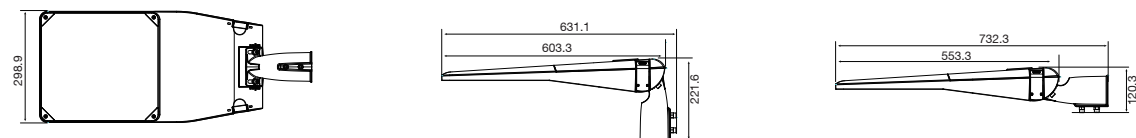
## 100W



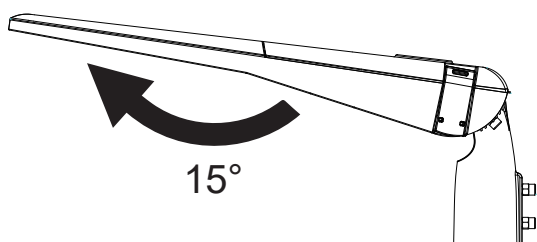
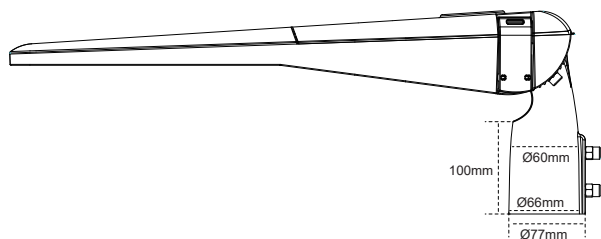
## 150W



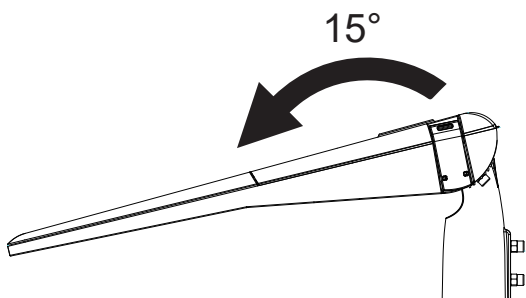
## 200/240W



Unit:mm



"Rotate it up 15 degrees!"



"Rotate it down 15 degrees!"

