

SL04 -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)	Dual-color gray
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)	-20°C to + 50°C
Operating Humidity	10-90%RH
Mounting Option	Vertical pole mounted
Warranty	5 years

PERFORMANCE

Power	100W/150W/200W/240W
Efficacy	140-170lm/W
Power Efficiency	≥85%
Start Time	≤0.2S

ELECTRICAL INFORMATION

Electrical class	Class I
Nominal voltage	120-277V 50/60Hz
Power factor (at full load)	0.95@120VAC
Surge protection options (kV)	10KV-Line-Line / 10KV-Line-Earth
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	
L70B50	>100,000h
L80B20	>50,000h
L90B10	>30,000h
Switching Cycles	>100,000 times

ECO VERSION

POWER		LUMENS		EFFICACY	
100W		15,000LM		150LM/W(Ra70)	
		14,000LM		140LM/W(Ra80)	
150W		22,500LM		150LM/W(Ra70)	
		21,000LM		140LM/W(Ra80)	
200W		30,000LM		150LM/W(Ra70)	
		28,000LM		140LM/W(Ra80)	
240W		36,000LM		150LM/W(Ra70)	
		33,600LM		140LM/W(Ra80)	

PREMIUM VERSION

POWER		LUMENS		EFFICACY	
100W		16,000LM		160LM/W(Ra70)	
		15,000LM		150LM/W(Ra80)	
150W		24,000LM		160LM/W(Ra70)	
		22,500LM		150LM/W(Ra80)	
200W		32,000LM		160LM/W(Ra70)	
		30,000LM		150LM/W(Ra80)	
240W		38,400LM		160LM/W(Ra70)	
		36,000LM		150LM/W(Ra80)	

①

The Performance Data is tested base on 230VAC, TYPE II and 4000K for all versions

②

Power Consumption Tolerance $\pm 5\%$ (Apply to all versions)

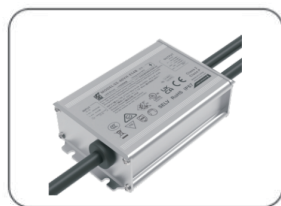
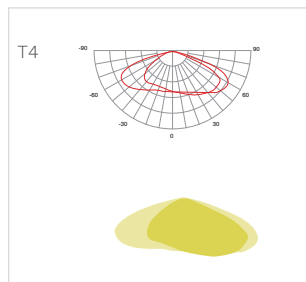
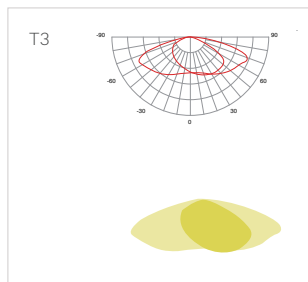
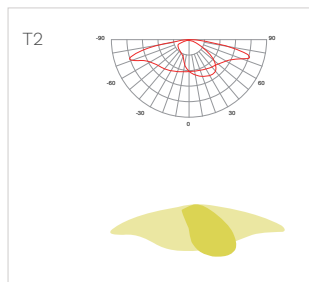
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Lumen Efficiency Tolerance $\pm 5\%$ (Apply to all versions)

PACKAGING

POWER	PACKAGE SIZE	QTY/CTN	CBM	NET WEIGHT	GROSS WEIGHT
100W	L680*W285*H125mm	1PCS/CTN	0.024	4.8kg	5.3kg
150W	L720*W285*H125mm	1PCS/CTN	0.026	5.4kg	5.9kg
200W	L750*W350*H125mm	1PCS/CTN	0.031	6.5kg	7kg
240W	L850*W350*H125mm	1PCS/CTN	0.037	7.4kg	8.1kg

LIGHT DISTRIBUTIONS



VH-E




SPD



Cut-off switch



 Connecting the cable requires an IP65 Tightness level

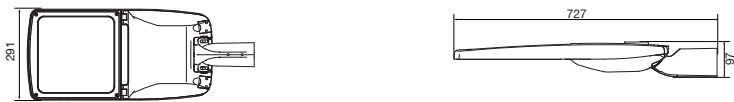
100W



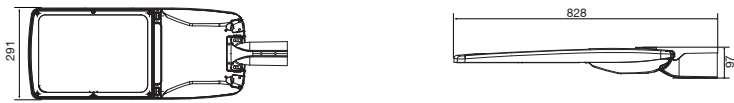
150W



200W



240W



Unit:mm

