

SL05 -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
- 2 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 Φ =60MM H:10-12M Φ =60MM

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	30W/40W/60W/80W/100W/120W
Efficacy	130-170lm/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	30W	LUMENS	4,500LM	EFFICACY	150LM/W(Ra70)
			4,200LM		140LM/W(Ra80)
	40W		6,000LM		150LM/W(Ra70)
			5,600LM		140LM/W(Ra80)
	60W		9,000LM		150LM/W(Ra70)
			8,100LM		135LM/W(Ra80)

POWER	80W	LUMENS	12,000LM	EFFICACY	150LM/W(Ra70)
			11,200LM		140LM/W(Ra80)
	100W		15,000LM		150LM/W(Ra70)
			14,000LM		140LM/W(Ra80)
	120W		18,000LM		150LM/W(Ra70)
			16,200LM		135LM/W(Ra80)

PREMIUM VERSION

POWER	30W	LUMENS	5,100LM	EFFICACY	170LM/W(Ra70)
			4,650LM		155LM/W(Ra80)
	40W		6,800LM		170LM/W(Ra70)
			6,200LM		155LM/W(Ra80)
	60W		10,200LM		170LM/W(Ra70)
			9,000LM		150LM/W(Ra80)

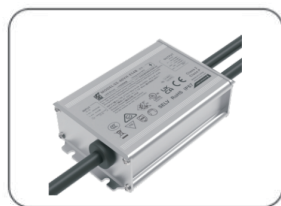
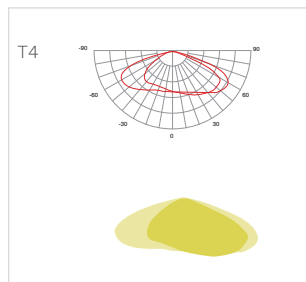
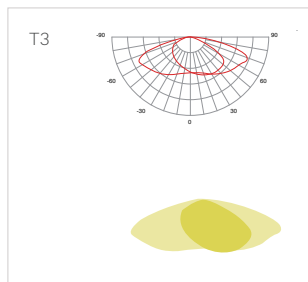
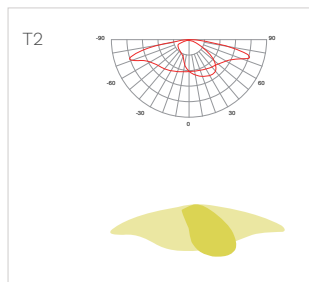
POWER	80W	LUMENS	13,600LM	EFFICACY	170LM/W(Ra70)
			124,00LM		155LM/W(Ra80)
	100W		17,000LM		170LM/W(Ra70)
			15,500LM		155LM/W(Ra80)
	120W		20,400LM		170LM/W(Ra70)
			18,000LM		150LM/W(Ra80)

※ 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/40W/60W	L605*W280*H145mm	1PCS/CTN	0.019	3.3kg	3.9kg
80W100W/120W	L710*W320*H145mm	1PCS/CTN	0.021	4.4kg	5.2kg

LIGHT DISTRIBUTIONS



VH-E




SPD

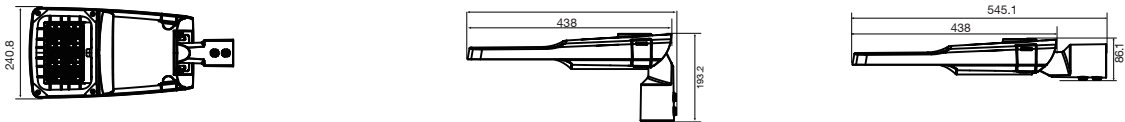


Cut-off switch

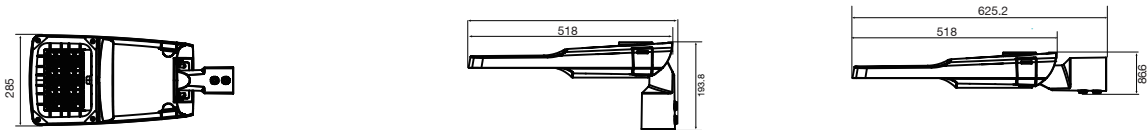


 Connecting the cable requires an IP65 Tightness level

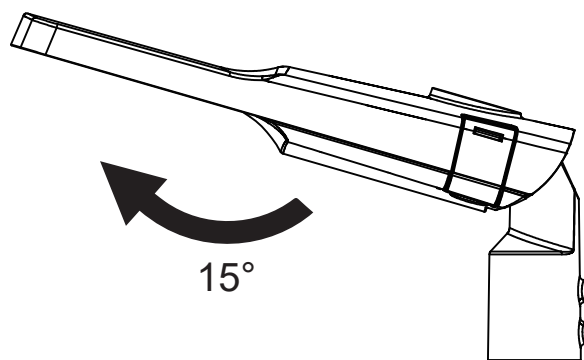
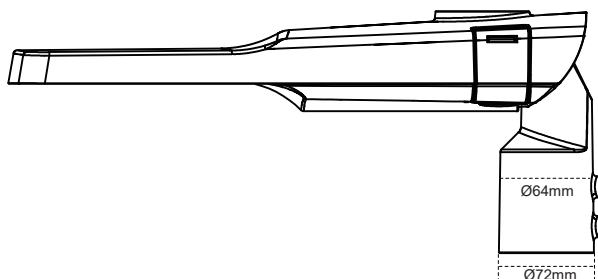
30W/40W/60W



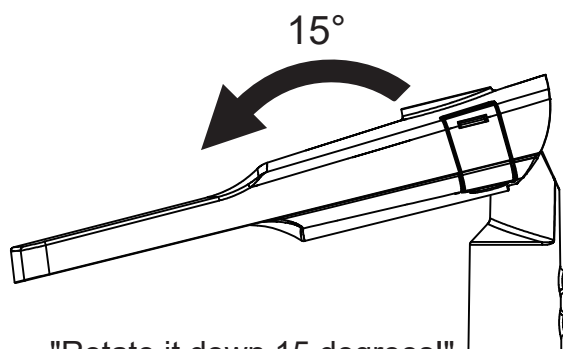
80W/100W/120W



Unit:mm



"Rotate it up 15 degrees!"



"Rotate it down 15 degrees!"

