



L490 LED street lighting



L490 LED street lighting is design in accordance with IEC 60598-2-3:2002 for roadway and outdoor lighting applications. It focuses exclusively the safety environments for pedestrians to navigate walkway and allows those in motor vehicles to view pedestrian activity on the walkways which can reduce the potential for pedestrian-vehicular incidences.



General Characteristic

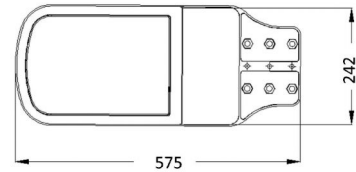
Body structure	Completely fabricated by die-cast aluminum alloy material integrated with highly efficient multi-fin heatsink and PC enclosure cover
OA size (see diagram)	575 x 242 x 70mm
Weight	6.5 kilos (14.3lbs)
Diffuser	Clear tempered glass
Finishing	Heat resistant plastic paint
Life span	50000 hours
Ingress protection rating	IP65
Certification	CE, FCC, RoHS
Operation temperature	-30° ~+65°C (max)
Total harmonic distortion	<15%
RF interference	Free

Light Characteristic

Light source	Bridgelux 45mil high power LED SMD (aluminum substrate)
LED module	
Color rendering index	Ra ≥70
Color temperature	3200K (K3); 4200K (K4); 6500K (K5)
Luminous efficacy	≥120 lumen per watt
Initial lumen	4800lm (T _j =25°C)
Mean lumen	4800lm (T _j =60°C, T _a =25°C)
Lamp efficiency	>80%
Luminous intensity pattern	Asymmetrical beam
Transverse beam angle	110° I _{max} (120° lens) 130° I _{max} (140° lens)
Portrait beam angle	45° I _{max}
Ultra violet rays	Free
Luminous uniformity (uO)	>0.4 (uO)

Electrical Characteristic (electronic gear)

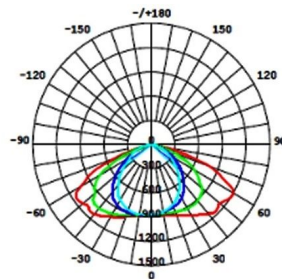
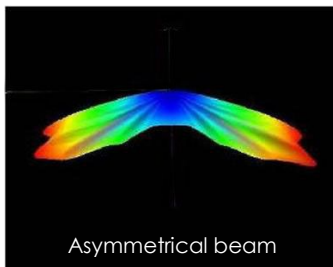
AC input voltage range	90~305VAC, 47~63Hz
Power factor	PF ≥0.95/230VAC
Current regulation	±3%
AC inrush current (max)	3000mA/230VAC
Output voltage	18VDC-105VDC
Protection type	OCP, OVP, OTP, SCP
Output current	0.25~1.2A
Typical efficiency	87%
Working temperature	-40°C ~ 60°C
Storage temperature	-40°C ~ 85°C
Ingress protection	IP67 compliant
Safety standard	UL8750
Compression resistance	I/P-O/P: 3KVAC
Insulation resistance	I/P-OP: 100M Ohms/500VDC
EMI	EN55015 Class B
Harmonic current	2, Class C



Overall size (mm)



Ø45~55mm lamp pole bracket



Model #	System Power	Lumen	Compatibility	
			HPS	M. Halide
L49575BL-40W45	44.9W	3650lm	70W	100W
L49575BL-60W67	66.7W	5475lm	100W	175W
L49575BL-80W89	88.9W	6800lm	150W	250 W

