



## 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.

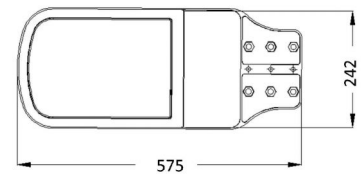


### General Characteristic

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
LED module	SMD (aluminum substrate)
Color rendering index	Ra ≥70
Color temperature	3200K (K3); 4200K (K4); 6500K (K5)
Luminous efficacy	≥110 lumen per watt
Lamp efficiency	>80%
Luminous intensity pattern	Asymmetrical lens
Ultra violet rays	Transverse 110° I <sub>max</sub> / portrait 45° I <sub>max</sub>
Luminous uniformity	Free
	>0.4 (uO)



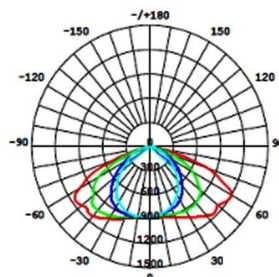
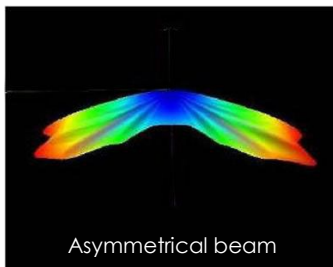
Overall size (mm)

### 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



∅45~60mm lamp pole bracket



Spectral distribution



Model #	System		Lumen	Compatibility	
	Rated	System		HPS	M. Halide
L49575BL-40W45	45.0W	44.9W	4950lm	70W	100W
L49575BL-55W60	60.0W	66.7W	6600lm	90W	130W
L49575BL-72W80	80.0W	88.9W	9900lm	130W	200 W

