

STREET LIGHT (ECO Variant)



Characteristics		Model No						
		LFESL025W	LFESL036W	LFESL050W	LFESL072W	LFESL100W	LFESL150W	LFESL200W
Electrical	Luminaries Wattage	25W	36W	50W	72W	100W	150W	200W
	Input Voltage Range	110V – 277V Ac 50Hz						
	Input Current Range	108mA	156mA	217mA	313mA	434mA	652mA	869mA
	Power Factor (PF)	0.95 Above						
	Athd.	<10%						
	Efficiency	>90.5%						
Light Quality & Output (Photometrics)	Luminous Flux (lm)	170 - 180 lm						
	Color Temp (CCT)	3000K , 4000K , 6500K						
	CRI (Ra)	RA 70,80,90						
	Beam Angle	145°x40°						
	Total lumen @ tc 25°C	3,250 – 3,375lm	4,680 – 4,860lm	6,500 – 6,750lm	9,360 – 9,720lm	13,000 – 13,500lm	19,500 – 20,250lm	26,000 – 27,000lm
LED & Optical Components	Make of LED	Osram / Cree – High Power LED						
	Photo-biological Safety and Assessment of Blue Light	Yes According to IEC 62471						
	LED Type	SMD Single Lamp						
	Lens Material	PMMA, PC						
	Secondary optlcs	-						
Thermal Management	Junction Temperature - Tj	83°C						
	Case Temperature -Tc	60°C						
	Heat Sink	Well designed heat sink with Below 85°C Tj						
	Working Humidity	10% to 70%						
	MOC- Hest Sink	Aluminium Casting						
Driver & Protection	Type of Driver	Constant Current(CC)						
	Output Protection	Short Circuit ,Open circuit,Output ground Short,Output overload protection						
	Surge Protection	Internal Surge 6KV, External Surge 5KV,10 KV,20KV						
Physical Build & Durability	IP Rating	IP 65 - IP 66						
	Type of Fixture	Single Housing						
	Luminary Housing	ADC 12 Die Casting Aluminium						
	Powder Color	Polyester Powder coating (Grey,White Grey)						
	Total Weight	0.61kg	0.85kg	1.2kg	1.4kg	2.10kg	3.2kgkg	3.8kg
	Dimenslons (mm)	105x285mm	125x325mm	163x375mm	163x375mm	480x205mm	575x205mm	575x205mm
Standards	Operating temperature range	(-10 to 50 °C)						
	Lamp Life	>50,000 Hours						
	Warranty Period	2-5 years						
	BIS CRS Number	R-61003425						
	Certification	LM-80 ,(IEC 62471:2006 & IEC 62778:2014) , LM-79 ,BIS ,ROHS						
Connection details	Red –Phase, Black – Neutral , Yellow green- Earth							
Enquiry link for the Product		https://leoforse.com/contact-us/						



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2026 updated

Installation Guidelines	<p>Ensure power is switched OFF prior to commencing installation.</p> <p>Verify that the input power matches the standard 220–240V AC range.</p> <p>Confirm the lighting fixture is mounted both firmly and securely.</p> <p>Engage a qualified electrician for the installation of high capacity street or flood lighting.</p> <p>Maintain safety compliance by always utilizing a dedicated earth wire.</p>
Power & Wiring Standards	<p>Utilize high grade wiring materials to ensure long term reliability.</p> <p>Maintain tight and secure connections to prevent hazards associated with loose wiring.</p> <p>Integrate a suitable switch or MCB to provide essential circuit protection.</p>
Outdoor Usage	<p>Restrict outdoor applications exclusively to waterproof lighting fixtures.</p> <p>Prevent the exposure of indoor rated lights to rain or moisture.</p> <p>Ensure all installations are positioned in a safe and dry environment.</p>
Heat & Safety Management	<p>Avoid placing any covers or obstructions over the lighting unit.</p> <p>Maintain a safe distance from heat sources and flammable materials.</p> <p>Facilitate adequate air ventilation to prevent overheating.</p>
General Usage	<p>Select the appropriate lighting type tailored for the specific environment.</p> <p>Minimize frequent power cycling to preserve the longevity of the light.</p> <p>Utilize the recommended wattage to ensure optimal performance levels.</p>
Maintenance Protocols	<p>Ensure the power is switched OFF before performing any cleaning tasks.</p> <p>Utilize only a dry cloth for cleaning the fixture surface.</p> <p>Refrain from using water or any chemical cleaning agents during maintenance.</p>
Safety Precautions	<p>Do not attempt to open or modify the lighting unit under any circumstances.</p> <p>Replace the unit immediately if it shows signs of damage or consistent flickering.</p> <p>Keep all electrical components out of reach of children.</p>
Key Benefits	<p>Features low power consumption for increased energy efficiency.</p> <p>Designed for a long operational life cycle.</p> <p>Manufactured with eco friendly materials and processes.</p>
Support & Warranty	<p>Note that the warranty coverage applies exclusively to manufacturing defects.</p> <p>Damage resulting from improper use is not covered under the warranty terms.</p> <p>Please contact the authorized supplier directly for all service and support inquiries.</p>

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