

FLOOD LIGHT



Characteristics		Model No								
		LFFL10W	LFFL20W	LFFL30W	LFFL50W	LFFL100W	LFFL150W	LFFL200W	LFFL250W	LFFL300W
Electrical	Luminaries Wattage	10W	20W	30W	50W	100W	150W	200W	250W	300W
	Input Voltage Range	110V – 277V Ac 50Hz								
	Input Current Range	043mA	086mA	130mA	217mA	434mA	652mA	869mA	1086mA	1304mA
	Power Factor (PF)	0.95 Above								
	Athd.	<10%								
Light Quality & Output (Photometrics)	Efficiency	>91%								
	Luminous Flux (lm)	180-190 lm								
	Color Temp (CCT)	3000K , 4000K , 6500K								
	CRI (Ra)	RA 70,80,90								
	Beam Angle	90° , 120°								
LED & Optical Components	Total lumen @ tc 25°C	1,300 - 1,400 lm	2,600 - 2,800 lm	3,900 - 4,200 lm	6,500 - 7,000 lm	13,000 - 14,000 lm	19,500 - 21,000 lm	26,000 - 28,000 lm	32,500 - 35,000 lm	39,000 - 42,000 lm
	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	-								
Thermal Management	Secondary optics	glass								
	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%								
Driver & Protection	MOC- Hest Slnk	Aluminium Casting								
	Type of Driver	Constant Current(CC)								
	Make of Driver	PHILIPS / Leo Forse / Mean Well / Inventronics								
	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 66								
	Type of Fixture	Single Housing								
	Luminary Housing	ADC 12 Die Casting Aluminium								
	Powder Color	Polyester Powder coating (Grey, White Grey)								
	Total Weight	0.8kg	0.9kg	1.05kg	1.6kg	2.3kg	3.4kg	4.5kg	5.3kg	5.6kg
Standards	Dimensions (mm)	120x140mm	120x140mm	152x1784mm	205x505mm	245x285mm	290x330mm	315x335mm	415x370mm	415x370mm
	Operating temperature range	(-10 to 50 °C)								
	Lamp Life	>50,000 Hours								
	Warranty Period	2-5 years								
	BIS CRS Number	R-61003425								
Connection details	Certification	LM-80 ,(IEC 62471:2006 & IEC 62778:2014) , LM-79 ,BIS ,ROHS								
		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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