

# FLOOD LIGHT (Module Variant)



Characteristics		Model No								
		LFMFL050W	LFMFL100W	LFMFL150W	LFMFL200W	LFMFL300W	LFMFL400W	LFMFL500W	LFMFL600W	LFMFL1000W
Electrical	Luminaries Wattage	50W	100W	150W	200W	300W	400W	500W	600W	1000W
	Input Voltage Range	110V – 277V Ac 50Hz								
	Input Current Range	217mA	434mA	652mA	869mA	1304mA	1739mA	2173mA	2608mA	4347mA
	Power Factor (PF)	0.95 Above								
	Athd.	<10%								
Light Quality & Output (Photometrics)	Efficiency	>90%								
	Luminous Flux (lm)	220-230 lm								
	Color Temp (CCT)	3000K , 4000K , 6500K								
	CRI (Ra)	RA 70,80,90								
	Beam Angle	30°, 60°, 90°, 120°								
Total lumen @ tc 25°C	7,000 – 7,500 lm	14,000 – 15,000 lm	21,000 – 22,500 lm	28,000 – 30,000 lm	42,000 – 45,000 lm	56,000 – 60,000 lm	70,000 – 75,000 lm	84,000 – 90,000 lm	140,000 – 150,000 lm	
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 optics	-								
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%								
Driver & Protection	MOC- Heat Sink	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								
Physical Build & Durability	Surge Protection	Internal Surge 6KV, External Surge 5KV,10 KV,20KV								
	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	1.2kg	1.95kg	2.10kg	3.6kg	5.2kg	5.4kg	6.95kg	8.9kg	13.8kg
Standards	Dimensions (mm)	195x95mm	390x95mm	390x95mm	390x200mm	390x305mm	390x305mm	390x405mm	390x510mm	780x405mm
	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		<a href="https://leoforse.com/contact-us/">https://leoforse.com/contact-us/</a>								



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2026 updated

Installation Guidelines	<p>Ensure power is switched OFF prior to commencing installation.</p> <p><b>Verify that the input power matches the standard 220–240V AC range.</b></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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