

FLOOD LIGHT (Lens Variant)



Characteristics		Model No									
		LFLFL50W	LFLFL80W	LFLFL100W	LFLFL150W	LFLFL180W	LFLFL200W	LFLFL250W	LFLFL300W	LFLFL400W	LFLFL500W
Electrical	Luminaries Wattage	50W	80W	100W	150W	180W	200W	250W	300W	400W	500W
	Input Voltage Range	110V – 277V Ac 50Hz									
	Input Current Range	217mA	347mA	434mA	652mA	782mA	869mA	1086mA	1304mA	1739mA	2173mA
	Power Factor (PF)	0.95 Above									
	Athd.	<10%									
Light Quality & Output (Photometrics)	Efficiency	>89.5%									
	Luminous Flux (lm)	220-240 lm									
	Color Temp (CCT)	3000K , 4000K , 6500K									
	CRI (Ra)	RA 70,80,90									
	Beam Angle	30°, 60°, 90°, 120°									
LED & Optical Components	Total lumen @ tc 25°C	7,250 – 7,500 lm	11,600 – 12,000 lm	14,500 – 15,000 lm	21,750 – 22,500 lm	26,100 – 27,000 lm	29,000 – 30,000 lm	36,250 – 37,500 lm	43,500 – 45,000 lm	58,000 – 60,000 lm	72,500 – 75,000 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	PMMA,PC									
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 Humldity	10% to 70%									
Driver & Protection	MOC- Hest 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									
	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	1.35kg	2.10kg	2.25kg	2.7kg	2.9kg	5.4kg	5.6kg	8.4kg	8.5kg	13.5kg
Standards	Dimensions (mm)	190x255mm	260x300mm	260x300mm	275x365mm	275x365mm	300x385mm	300x385mm	350x485mm	350x485mm	600x400mm
	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									
	Enquiry link for the Product	https://leoforse.com/contact-us/									



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Visit www.Leoforse.com for more details

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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