

# PANEL LIGHT



Characteristics		Model No									
		LFPL020W	LFPL024W	LFPL030W	LFPL036W	LFPL040W	LFPL048W	LFPL060W	LFPL100W	LFPL150W	LFPL200W
Electrical	Luminaries Wattage	20W	24W	30W	36W	40W	48W	60W	100W	150W	200W
	Input Voltage Range	110V – 277V Ac 50Hz									
	Input Current Range	86mA	104mA	130mA	156mA	173mA	208mA	260mA	434mA	652mA	869mA
	Power Factor (PF)	0.95 Above									
	Athd.	<15%									
Light Quality & Output (Photometrics)	Efficiency	>89.5%									
	Luminous Flux (lm)	170 - 180 lm									
	Color Temp (CCT)	3000K , 4000K , 6500K									
	CRI (Ra)	RA 70,80									
	Beam Angle	120°									
LED & Optical Components	Total lumen @ tc 25°C	2,800 - 3,000 lm	3,360 - 3,600 lm	4,200 - 4,500 lm	5,040 - 5,400 lm	5,600 - 6,000 lm	6,720 - 7,200 lm	8,400 - 9,000 lm	14,000 - 15,000 lm	21,000 - 22,500 lm	28,000 - 30,000 lm
	Make of LED	Osram / bridgelux									
	Photo-biological Safety and Assessment of Blue Light	Yes According to IEC 62471									
	LED Type	SMD Single Lamp									
	Secondary optics	-									
Thermal Management	Junction Temperature - Tj	83°C									
	Case Temperature -Tc	60°C									
	Working Humldity	10% to 70%									
Driver & Protection	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	6KV									
Physical Build & Durability	IP Rating	IP 40									
	Size	(2x2) , (1x1) , (1x2) , (1x4) , (2x4)									
	Type of Fixture	Single Housing									
	Luminary Housing	ADC 12 Die Casting Aluminium									
Standards	Powder Color	Polyester Powder coating(Grey,White Grey)									
	Operating temperature range	(-10 to 50 °C)									
	Lamp Life	>50,000 Hours									
	Warranty Period	2 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>

**Technical Support: [salesleoforseled@gmail.com](mailto:salesleoforseled@gmail.com) | Ph: +91 95005 78101 | Hours: 9 AM – 5 PM**