

CLEAN ROOM PANEL LIGHT



Characteristics		Model No						
		LFPL020W	LFPL024W	LFPL030W	LFPL036W	LFPL040W	LFPL048W	LFPL060W
Electrical	Luminaries Wattage	20W	24W	30W	36W	40W	48W	60W
	Input Voltage Range	110V – 277V Ac 50Hz						
	Input Current Range	86mA	104mA	130mA	156mA	173mA	208mA	260mA
	Power Factor (PF)	0.95 Above						
	Athd.	<15%						
	Efficiency	>89%						
Light Quality & Output (Photometrics)	Luminous Flux (lm)	170-180 lm						
	Color Temp (CCT)	3000K , 4000K , 6500K						
	CRI (Ra)	RA 70,80						
	Beam Angle	120°						
	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
LED & Optical Components	Make of LED	Osram / bridgelux						
	Photo-biological Safety and Assessment of Blue Light	Yes According to IEC 62471						
	LED Type	SMD Single Lamp						
	Lens Material	-						
Thermal Management	Junction Temperature - Tj	83°C						
	Case Temperature -Tc	60°C						
	Working Humidity	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)						
	Type of Fixture	Single Housing						
	Luminary Housing	ADC 12 Die Casting Aluminium						
	Powder Color	Polyester Powder coating (Grey,White Grey)						
Standards	Operating temperature range	(-10 to 50 °C)						
	Lamp Life	>50,000 Hours						
	Warranty Period	2 years						
	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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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>

Technical Support: salesleoforseled@gmail.com | Ph: +91 95005 78101 | Hours: 9 AM – 5 PM