

FLAME PROOF LIGHT



| Characteristics | | Model No | | | | | |
|--|--|---|------------------|------------------|--------------------|--------------------|--------------------|
| | | LFFPLO20W | LFFPLO30W | LFFPLO50W | LFFPLO80W | LFFPPL100W | LFFPPL150W |
| Electrical | Luminaries Wattage | 20W | 30W | 50W | 80W | 100W | 150W |
| | Input Voltage Range | 110V – 277V Ac 50Hz | | | | | |
| | Input Current Range | 86mA | 130mA | 217mA | 347mA | 434mA | 652mA |
| | Power Factor (PF) | 0.95 Above | | | | | |
| | Athd. | <15% | | | | | |
| | Efficiency | >89.5% | | | | | |
| Light Quality & Output (Photometrics) | Luminous Flux (lm) | 210 - 220 lm | | | | | |
| | Color Temp (CCT) | 3000K , 4000K , 6500K | | | | | |
| | CRI (Ra) | RA 70,80,90 | | | | | |
| | Beam Angle | 120° | | | | | |
| | Total lumen @ tc 25°C | 2,800 - 3,000 lm | 4,200 - 4,500 lm | 7,000 - 7,500 lm | 11,200 - 12,000 lm | 14,000 - 15,000 lm | 21,000 - 22,500 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 | PMMA,PC | | | | | |
| | Secondary optics | glass | | | | | |
| 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% | | | | | |
| | MOC- Hest Sink | Aluminium Casting | | | | | |
| 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 | Internal Surge 6KV, External Surge 5KV,10 KV,20KV | | | | | |
| Physical Build & Durability | 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) | | | | | |
| Standards | Operating temperature range | (-10 to 50 °C) | | | | | |
| | Lamp Life | >50,000 Hours | | | | | |
| | Warranty Period | 2-5 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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| 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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