

# DOWN LIGHT



Characteristics		Model No			
		LFDL08W	LFDL15W	LFDL24W	LFDL32W
Electrical	Luminaries Wattage	8W	15W	24W	32W
	Input Voltage Range	110V – 277V Ac 50Hz			
	Input Current Range	34mA	65mA	104mA	139mA
	Power Factor (PF)	0.95 Above			
	Athd.	<15%			
	Efficiency	>88.5%			
Light Quality & Output (Photometrics)	Luminous Flux (lm)	180-220 lm			
	Color Temp (CCT)	3000K , 4000K , 6500K			
	CRI (Ra)	RA 70,80,90			
	Beam Angle	120°			
	Total lumen @ tc 25°C	1,040 - 1,080 lm	1,950 - 2,025 lm	3,120 - 3,240 lm	4,160 - 4,320 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 )			
	Output Protection	Short Circuit ,Open circuit,Output ground Short,Output overload protection			
	Surge Protection	4KV			
Physical Build & Durability	IP Rating	IP 20			
	Luminary Housing	ADC 12 Die Casting Aluminium			
	Shape Type	Round			
	Cut out dimensions	70mm	105mm	155mm	205mm
	Dimensions (mm)	80mm	120mm	170mm	225mm
Standards	Operating temperature range	(-10 to 50 °C)			
	Lamp Life	>50,000 Hours			
	Warranty Perlod	2 years			
	Certification	LM-80 ,(IEC 62471:2006 & IEC 62778:2014) , LM-79 ,BIS ,ROHS			
	Connection details	Red –Phase, Black – Neutral			
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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