

# HIGHBAY LIGHT



Characteristics		Model No			
		LFHBL50W	LFHBL100W	LFHBL150W	LFHBL200W
Electrical	Luminaries Wattage	50W	100W	150W	200W
	Input Voltage Range	110V – 277V Ac 50Hz			
	Input Current Range	217mA	434mA	652mA	869mA
	Power Factor (PF)	0.95 Above			
	Athd.	<10%			
	Efficiency	>90%			
Light Quality & Output (Photometrics)	Luminous Flux (lm)	180-190 lm			
	Color Temp (CCT)	3000K , 4000K , 6500K			
	CRI (Ra)	RA 70,80,90			
	Beam Angle	30°,90°, 120°			
	Total lumen @ tc 25°C	6,750 – 7,000 lm	13,500 – 14,000 lm	20,250 – 21,000 lm	27,000 – 28,000 lm
LED & Optical Components	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			
	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)			
	Total Weight	2.2kg	2.45kg	3.95kg	4.45kg
	Dimensions (mm)	245x245mm	245x245mm	342 x342mm	342x342mm
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		<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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