



DESCRIPTION

LMX's POWERMAX is both an led high bay and led flood light, it comes in a 450w and 600w option. With an efficacy of 160lm/w the POWERMAX is an excellent choice when large areas need illuminating , such as airports, hangars, ship yards, ports, warehouses and large sports areas. With a versatile beam angle, the POWERMAX can meet the demands of different projects.

KEY FEATURES

- The heat dissipation of cold-forging aluminium is 3 times faster than die-cast aluminium .
- An anodic oxidation film is applied to the fitting to substantially reduce corrosion.
- Passed 1000hrs salt spray test.
- High efficacy up to 160lm/w.
- Beam angle: 15° 30° 60° 90° 120° optional.
- Can be used as both High Bay and Flood Light.
- Replaces 1000w and 2000w HID/ Metal Halide Lamps.

APPLICATIONS

- High ceiling application
- Warehouse
- Exhibition Hall
- Stadium
- Hangar/Airport

ELECTRICAL INFORMATION		
Model No.	LHBFL-450	LHBFL-600
Power Consumption (±5%)	450W	600W
Power Supply	Meanwell	
Input Voltage	100-240 VAC, 50 / 60 Hz	
Power Factor	>0.92	
Surge Protection	6kV line-line, 20kV line-earth	
Driver Type	Constant Current (CC)	
Control	dimmable, DALI, Daylight Sensor, Microwave Sensor, PIR Sensor Zigbee Wireless Control, Emergency	

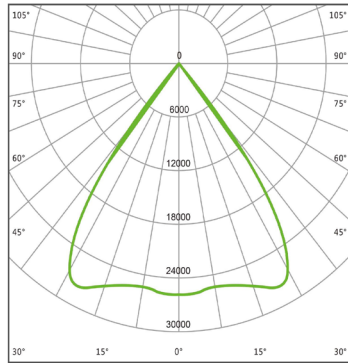
ELECTRICAL INFORMATION		
LED Type	LED 5050	
Luminous Flux (±10%)	72000LM	96000LM
Efficacy(5000K Ra70)	160lm/w	
Beam Angle	60° 90°	
LED Type 2	LED 3737	
Luminous Flux (±10%)	63000LM	84000LM
Efficacy(5000K Ra70)	140lm/w	
Correlated Colour Temperature	5000K (3000K, 4000K optional)	
Colour Rendering Index	Ra70 (Ra80 optional)	
UGR level	24	

DIMENSIONS AND MOUNT			
Product Dimension	Loop Hanging	Φ454 x 263mm	
	Bracket Mounting	633 x 467x 454mm	
Luminaire N.W	Loop Hanging	12.8±0.3kg	13.5±0.3kg
	Bracket Mounting	16.5±0.3kg	17.5±0.3kg
Export Carton Size	Light Carton Size	524×330×528mm	
	Bracket Carton Size	365×310×450m(4PCS/CTN)	
	Visor Carton Size	430×370×220mm(8PCS/CTN)	
Gross Weight (Loop Hanging)		14.8±0.3kg	15.6±0.3kg
Mounting Option		Loop Hanging / Bracket Mounting	
Material	Housing	Aluminium Alloy	
	Optics	Tempered Glass or Polycarbonate Optical Lens	
Finish	Powder Coating		
Fixture colour	Black		
EPA	NA		
IK Rating	IK08		
IP Rating	IP65		

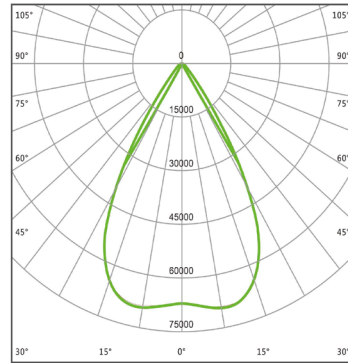
LIFESPAN AND WARRANTY	
Operating Temperature	-30°C to +45°C
Life Time of LED @Ta=25°C	52000hrs-L90
	105000hrs-L80
	164000hrs-L70
Warranty	5 Years

NEW FEATURES
1. 65.9°C High Temperature Solution
2. Emergency Solution; Microwave motion sensor Solution; Surge protection Solution
3. Ceiling mounting bracket ; ±90deg rotatable mounting bracket; Pole mount solution
4. Dust-resistance Solution
5. Anti-glare AL Reflector Solution
<i>* Please consult us for details.</i>

PHOTOMETRY

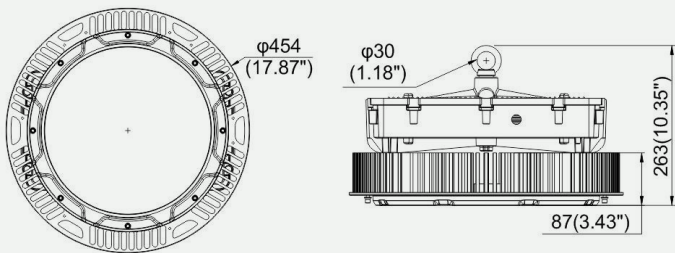


90° PC Lens

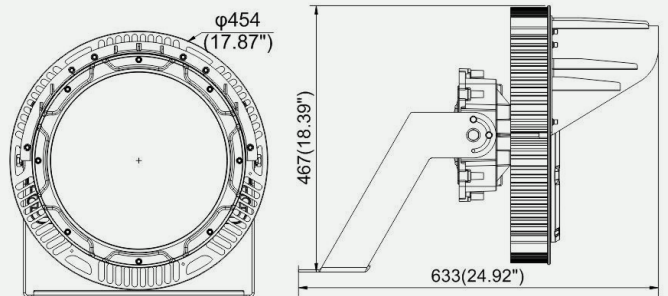


60° PC Lens

DIMENSIONS



450W/600W as high bay



450W/600W as flood light

MOUNTING OPTIONS

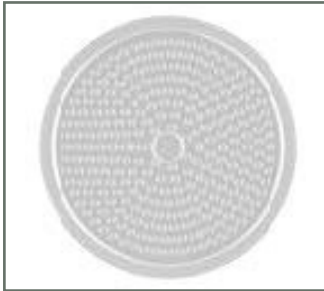


Loop Hanging



Bracket Mounting

ACCESSORIES



Optic lens

High transmittance PC materials, UV test approval.



Aluminium reflectors

Different beam angle, anti glare effect, black/silvery colour options.



±90°adjustable bracket

SPCC materials with outdoor powder coating.



Visor

90°PC reflector with lid.



±90°adjustable bracket

An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.



Zigbee wireless controller

1pcs for each luminaire.

Zigbee gateway

1pcs can control 100pcs fixtures.



Safety chain

304 stainless steel, available for 0.25m, 1m, 1.5m and 5m long.

PRODUCT ORDERING CODES (LHBFL)

SERIES	POWER	CCT (K)	OPTICS	CONTROL	EMERGENCY	MOUNT	ACCESSORY	FINISH
LHBFL	450w	3	60	DA (DALI)	(EMERGENCY)	L (LOOP HANGING)	AR (ALUMINIUM REFLECTORS)	BLACK
	600w	4	90	D (1-10v DIMMING)		B (BRACKET MOUNTING)	AB90 (ADJUSTABLE BRACKET 90°)	
		5		MS (MICROWAVE SENSOR)			AB45 (ADJUSTABLE BRACKET 45°)	
				ZW (ZIGBEE WIRELESS)			SC (SAFETY CHAIN)	
				DL (DAYLIGHT SENOR)			ZC (ZIGBEE WIRELESS CONTROLLER)	
				PIR (PIR SENSOR)			V (VISOR 90° PC REFLECTOR WITH LID)	

Example order code for 450w, 3K, 60 degree angle, dimmable, bracket mounting, aluminium reflector, black

PRODUCT CODE: LHBFL450360DBARB

PRODUCT NAME: POWERMAX