

Highbay 120-200

ML-HB120 & ML-HB200



Highbay 120-200

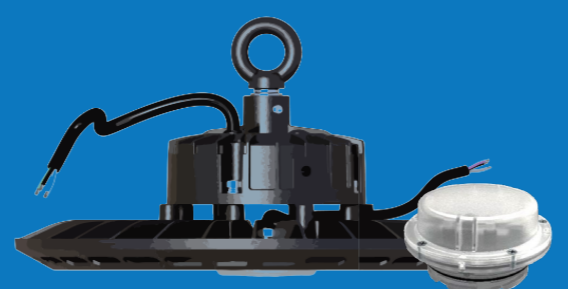
ML-HB120, & ML-HB200



Product code/category

ML-HB120-W / Highbays
ML-HB200-W / Highbays

Product information



The HB range of high bays from M-Elec now features optional 'push and turn' sensor modules allowing you to install microwave sensors in seconds! Programmable from up to 15m distance the microwave sensors can save even more power thanks to the dimming function built into the system. With 135lm/W output the HB series is efficient and slimline thanks to the low profile construction. All the features and benefits of the HB are protected by M-Elec's 5 year warranty.

Features and benefits

- Lightweight, robust construction
- Unique fin cooling design
- High efficacy 135lm/W
- Polycarbonate lens with enhanced optics
- 0-10V dimming
- Push and turn on optional sensor



Technical details

IP rating: IP65
IK rating: IK08
CRI: RA>80
Efficacy: 135lm/W
Beam angle: 90 degrees
Dimmable: Yes (0-10V)
Power supply: Integrated 240V 50-60Hz AC LIFUD driver
Power factor: 0.9
Colour temperature: 5000K (W)
Frequency: 50/60Hz
Average life: 50,000hrs**

Temperature range: -35°C to 45°C
Compliance: SAA, CE, ROHS, EMC
Connection: 1.5m flex and plug
LED chip brand: SMD2835
Material type: Aluminum housing, PC cover
Kit includes: 1 x hanging ring, 1 x high bay, 1 x instruction manual, 1x1.5m AU flex & plug (remote & sensor not included/optional)

	ML-HB120-W	ML-HB200-W
Total power consumed:	120W*	200W*
Lumen output:	16,150lm	27,260lm
Input current:	0.7A	1.2A
Dimensions	D: 320mm H: 171mm	D: 395mm H: 179mm
Net weight:	2.8kg	4.2kg

*Total power consumed including driver
 ** Average life is calculated on expected average lifespan

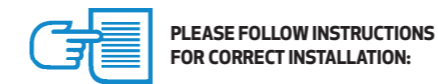
PLEASE NOTE!

MUST BE INSTALLED BY LICENSED ELECTRICIAN

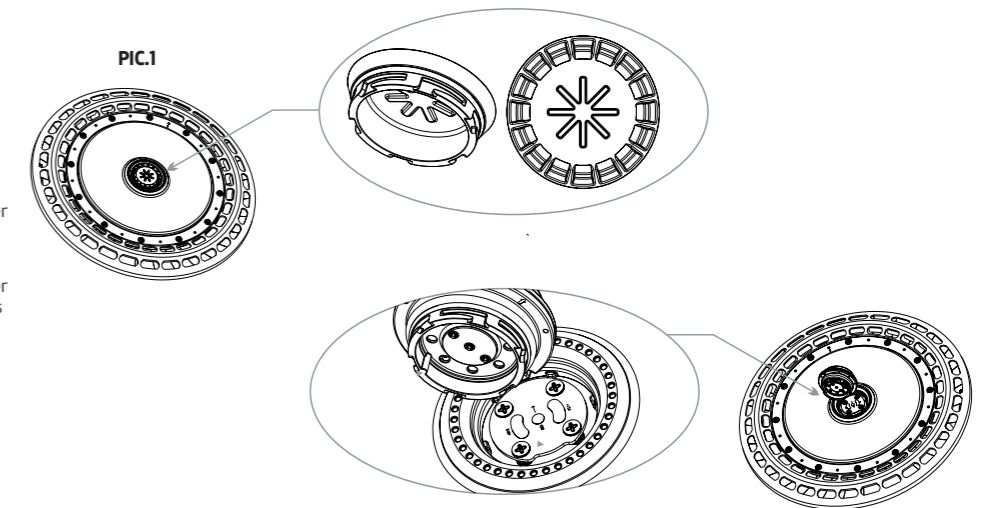
- Do not extend low voltage cables from the output of the power supply.
- All components must not be mechanically stressed.
- Be careful not to damage or destroy conducting paths on the circuit board.
- Follow all relevant electrical and safety standards (including AS3000) – only qualified personnel should be allowed to perform installations.
- Damage by corrosion will not be honoured as a material defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture, condensation and other harmful elements.
- If these regulations are not followed warranty will be void and all issues are the responsibility of the installer.

For further information please visit www.melec.com.au

Installation instructions



1. Before commencing installation or maintenance, ensure electricity is switched off at the mains. Remove existing light and disconnect any unsuitable wiring OR install the new highbay by the suitable mounting method.
2. Ensure you install a 'fail safe' in case the initial supports fail on the highbay.
3. (Optional) For 0-10V control or dimming, connect directly to the 0-10V cable coming from the power supply.
4. (Optional) For microwave sensor (ML-MW) installation, remove the plastic cover in the center of the install the sensor by rotating it 30 degrees in an anti-clockwise direction (PIC.1). Insert the microwave sensor and twist into position.
5. Once safe to do so plug the new highbay into the power outlet and apply power.
6. Test the highbay for safety and performance. For programming using the remote, see below.



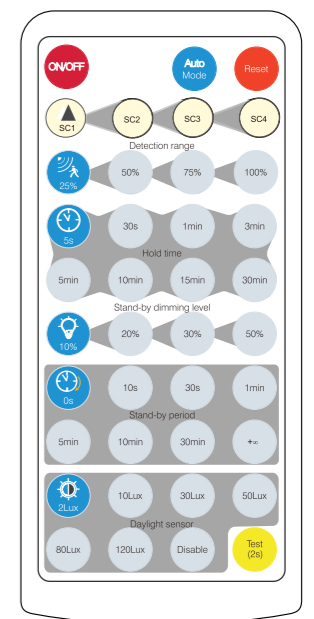
Microwave sensor (Optional extra)

The microwave sensors are **factory pre-set** in the following way. To adjust these settings please purchase a IR remote (ML-RM).

1. When the brightness of ambient lighting is >50Lux, the sensor won't switch the high bay on even if motion is detected.
2. When the brightness of ambient lighting is <50Lux, the sensor will switch the high bay on when motion is detected.
3. 5 mins after motion has stopped being detected the sensor will decrease the high bay output to 30%.
4. 30mins after motion has stopped being detected the sensor will switch the high bay completely off.

	SCENE MODE	DETECTION AREA	HOLD TIME	DAYLIGHT SENSOR	STAND-BY PERIOD	STAND-BY DIMMING LEVEL
Sc1	Sc1	100%	30s	2 Lux	1min	10%
Sc2	Sc2	100%	5min	10 Lux	10min	10%
Sc3	Sc3	100%	10min	30 Lux	30min	10%
Sc4	Sc4	100%	30min	Disable	+ ∞	10%

BUTTON	FUNCTION	DESCRIPTION
	ON/OFF	Press the 'ON/OFF' button, the light goes to constantly on or constantly off and the sensor is disabled. Press 'Reset' or 'Auto Mode' to quit from this mode.
	Reset	Restores sensor function to the default setting.
	Auto Mode	The sensor will turn on and all parameter settings will remain the same as the previous status before the light was set to constant ON or OFF.
	Test pattern	The button 'Test(2s)' is for factory testing purposes only. Press any button to exit testing mode.
	Detection area (sensitivity)	Set the sensor's sensitivity and detection area of moving objects
	Hold time	Refers to the time period that the lamp will remain at 100% illumination after no motion has been detected.
	Stand-by dimming level	After hold time, the lamp will fade slowly to this level instead of switching off immediately.
	Stand-by period	The time period the lamp stays on the stand-by dimming level.
	Brightness	Set threshold value, when ambient light is lower than this value, the sensor will be active.



Highbay 120-200

ML-HB120, & ML-HB200



PLEASE NOTE!

- To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.
- To avoid electric shock make sure the electrical power is OFF before and during installation and maintenance.

Warranty disclaimer

M-ELEC TRANSFORMERS/DRIVERS

M-Elec provides warranty against defects of M-Elec drivers on the following terms and conditions. Please refer to the M-Elec website (below) for information on the warranty period of each product. The driver must be properly installed by a qualified electrician and in accordance with our installation guidelines and any relevant codes and standards.

The warranty does not apply to M-Elec drivers that fail as a result of neglect, mistake, misuse, alteration, exposure to the elements, or that is improperly installed and implemented. This includes but is not limited to: improper wiring, installation under improper and non-approved operating environments such as temperature, humidity, corrosion or voltage conditions; improper installation using components that are not approved or are not M-Elec manufactured products.

It is the responsibility of the purchaser to obtain all necessary approvals and to understand the products intended use and all relevant instructions, recommendations and guidelines for the proper installation and use of any M-Elec driver product and related 'manufactured products' used in conjunction with same.

M-Elec is not liable for the accuracy and completeness of any statements, technical information and recommendations in any form of product literature or instructions are not guaranteed and are not part of this warranty and does not in any way constitute a warranty. The purchaser is solely responsible for determining suitability of the M-Elec drivers for installation and full implementation must determine potential applications and installations independently.

To make a claim on this warranty, you must do so within the warranty period (from place of purchase). Please read our returns policy for further information (<https://melec.com.au/returns-policy/>) and deliver the driver to M-Elec (at your cost) at the address given below. We will assess the warranty claim and if we grant the warranty claim, we will replace the product or refund your money, at our election.

M-Elec is not responsible or liable for any injuries, damages, or death caused by the use, misuse or failure of products purchased from us. This warranty is in addition to any other rights the consumer may have under the Australian Consumer Law.

M-ELEC LED PRODUCTS - OTHER

Please refer to the M-Elec website (melec.com.au) for information on the warranty period of each product. Each of our LED product warranties is separate and subject to the following terms and conditions:

M-Elec products must be properly installed by a qualified electrician and in accordance with any relevant guidelines, codes and standards. This includes wiring and connection to proper approved components and product working environments.

This warranty is void and does not apply to products that fail as a result of neglect, mistake misuse, alteration, or that is improperly installed and implemented. This includes but is not limited to: improper wiring, installation under improper and non-approved operating environments such as temperature, humidity, corrosion or voltage conditions; improper installation using components that are not approved or are not M-Elec manufactured products.

It is the responsibility of the purchaser to obtain all necessary approvals and to understand the products intended use and all relevant instructions, recommendations and guidelines for the proper installation and use of any M-Elec products and related 'manufactured products' used in conjunction with same.

M-Elec is not liable for the accuracy and completeness of any statements, technical information and recommendations in any form of product literature or instructions are not guaranteed and are not part of this warranty and does not in any way constitute a warranty. The purchaser is solely responsible for determining suitability of the M-Elec LED products for installation and full implementation must determine potential applications and installations independently.

The LED product warranties do not cover LEDs that continue to light, but exhibit varying/differing forward voltage drops, light output, or colour/wavelength.

Warranty is void if LEDs are cut in any way (outside of LED strip instructions) or damaged by neglect.

Warranty is void if products have been altered, opened/modified in any way that is outside the bounds of normal electrical work. **Please note:** This does not include removing or hard wiring downlight drivers or the hard wiring of a flex on an M-Elec flood light.

To make a claim on any of M-Elec's products, you must do so within the warranty period (from place of purchase) please read our returns policy for further information (<https://melec.com.au/returns-policy/>) and deliver the product to M-Elec (at your cost) at the address given below. M-Elec will assess the warranty claim by conducting electrical tests, making sure the contacts still exist on the LED and visual and microscopic inspection to make sure there is no visible physical damage. If M-Elec grants the warranty claim, we will replace the product or refund your money, at our election.

M-Elec is not responsible or liable for any injuries, damages, or death caused by the use, misuse or failure of products purchased from us. This warranty is in addition to any other rights the consumer may have under the Australian Consumer Law.

To the fullest extent permitted by law, no warranties other than those described above are given in respect of M-Elec products. M-Elec's liability is limited, to the fullest extent permitted by law, to the refund or replacement of the M-Elec products. We expressly do not warrant that an M-Elec product will last any particular length of time nor guarantee is made as to fitness to a particular application, since we have no control of the electrical supply or circuits you are using to drive the LEDs.

M-Elec goods come with guarantees that cannot be excluded under the Australian Consumer Law.

Please read our returns policy procedure for further information on M-Elec website melec.com.au or request it via phone 1300 222 445 from our customer care consultants.