

Technical Data



L-MBA-01-R / L-MBA-01-SQ

VOLTAGE: 12 VDC	COLOR TEMPERATURES: 3000K, 4000K, 5000K	COLOR FINISHING: Black, White and Silver	LENS: Polycarbonate
WATTAGE ONCE USED: 12W/meter	ADAPTER: Surface mount	STORAGE TEMPERATURE: recommended 22°C	LED: SMD CERAMIC
INPUT CURRENT: 1000mA/meter	DIMMABLE OPTIONS: Dimmable with PWM driver	CERTIFICATES / STANDARD: UL, CE	CLASS: III, Indoor use only
BEAM ANGLES: 103°	CRI: 97 min	WARRANTY: 5 years	RATING: IP30
PAN / TILT: 0 / 360°	WEIGHT: 431g	DRIVERS COMPATIBLE: Constant Voltage	LENGTH OF TAIL: 145cm
LUMINOUS EFFICIENCY OF THE LED: 120lm/W @ Ra97	MAIN MATERIAL: Aluminum	LIFESPAN: 50 000 hours	

IMPORTANT SAFETY INSTRUCTIONS

To ensure the safe installation and operation of the Luxam lighting system, follow these guidelines carefully. Failure to comply with these instructions may result in fire, electric shock, damage to the system, or voiding of the warranty.

General Safety Guidelines

1. Power Supply:
 - Disconnect the power supply before starting any installation or maintenance work. Ensure it cannot be reconnected inadvertently during the process.
 - Turn off electrical power before modifying the lighting system.
2. Installation Environment:
 - Do not install the system in wet locations.
 - Do not conceal or extend exposed conductors through a building wall.
3. Ventilation and Mounting:
 - Maintain proper ventilation around the luminaire. Do not place objects on top of it.
 - Keep a clearance of 10-15 cm between the luminaire and adjacent heat sources.
 - Use the standard mounting orientation. Non-standard orientations or high ambient temperatures may increase internal temperatures and require a reduction in output current. Refer to the specification sheet for the optimal mounting position and de-rating curve details.
4. Fire and Overheating Prevention:
 - Ensure all connections are tight to reduce the risk of fire, burns, or overheating.
 - Do not install the lighting system where exposed bare conductors can be shorted or come into contact with conductive materials.
 - Keep all luminaires at least 6 inches (152 mm) away from curtains or other combustible materials.

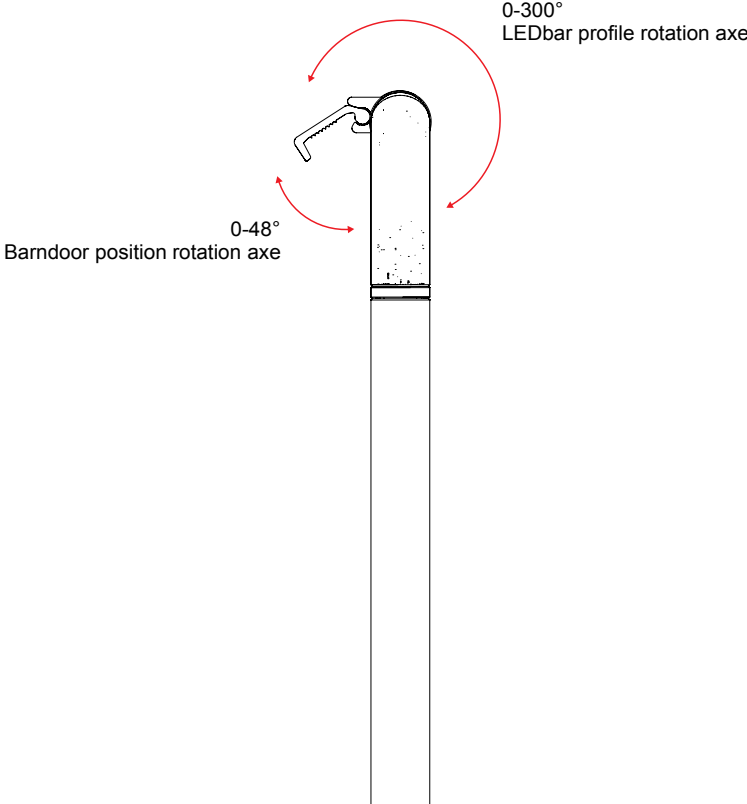
Fixtures-Specific Instructions

1. Manual Review: Thoroughly review the manual provided before installation. Failure to follow these instructions will void your warranty.
2. Warranty Conditions:
 - Do not attempt to repair or alter the system. This will void the warranty.
 - Always install the products in compliance with local, state, and national codes.
3. Showcase Installation: When installing in showcases, consider the internal temperature of the showcase rather than the ambient temperature. Ensure that minimum air volume, circulation, and conditioning requirements are met.

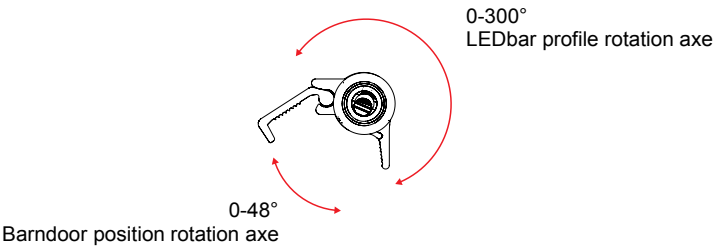
SAVE THESE INSTRUCTIONS

For more details about installation specifications, safe handling, or operation requirements, please refer to the manufacturer's documentation or contact the support team.

Basic Luminaire Manipulations



1 Fixture rotation axes details
Scale: 1:1

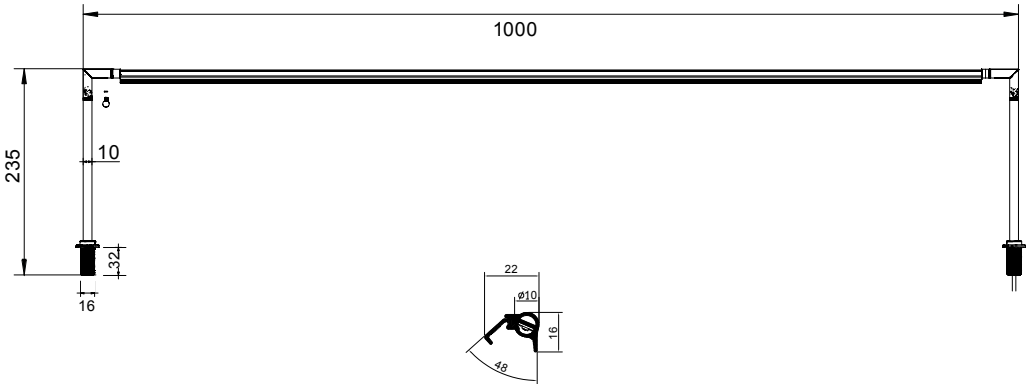
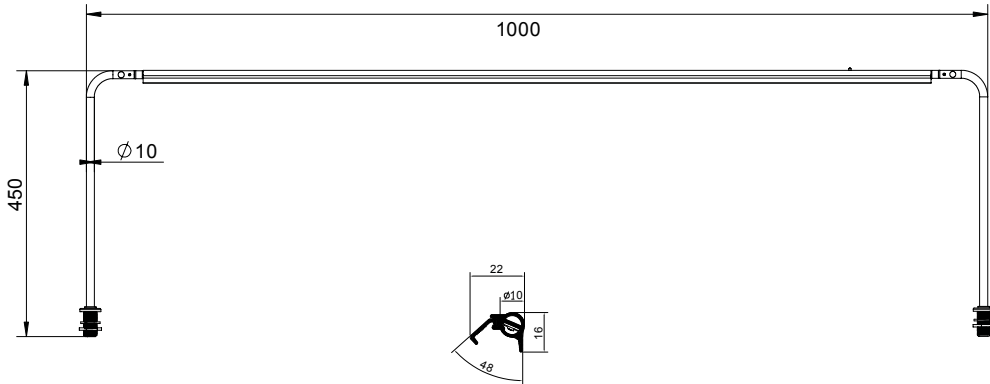


2 Profile only side view
Scale: 1:1

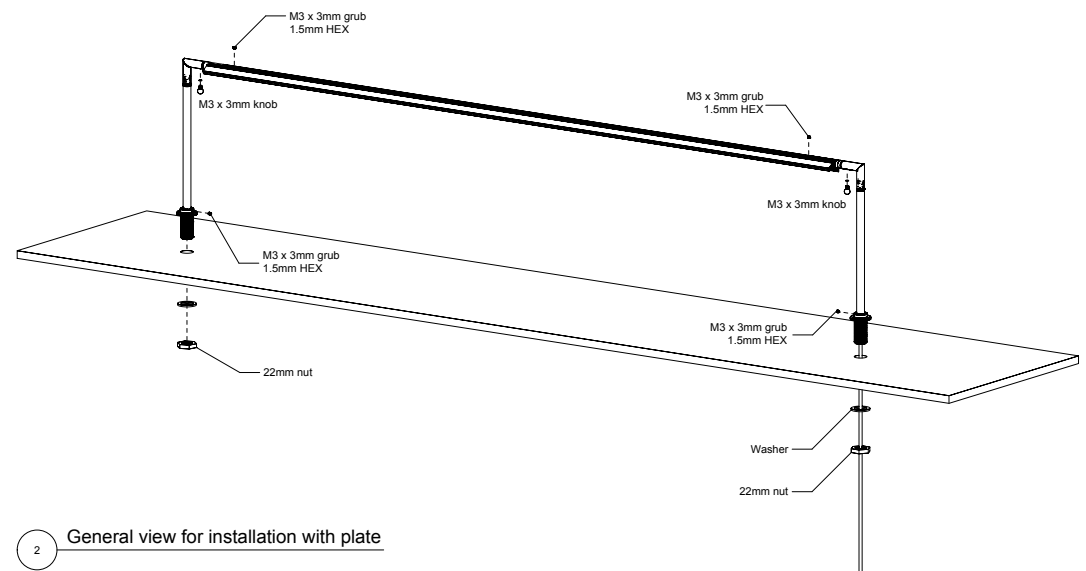
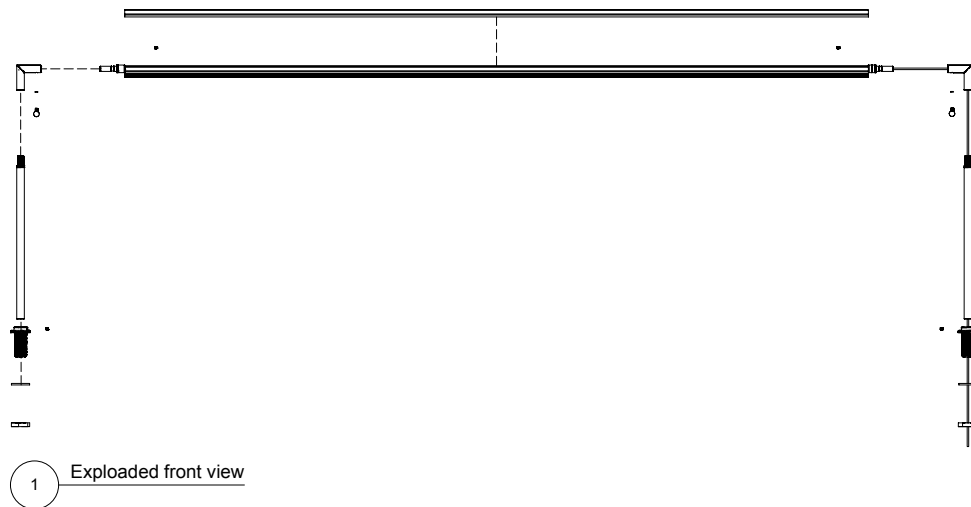
Product Dimensions

L-MBA-01-R

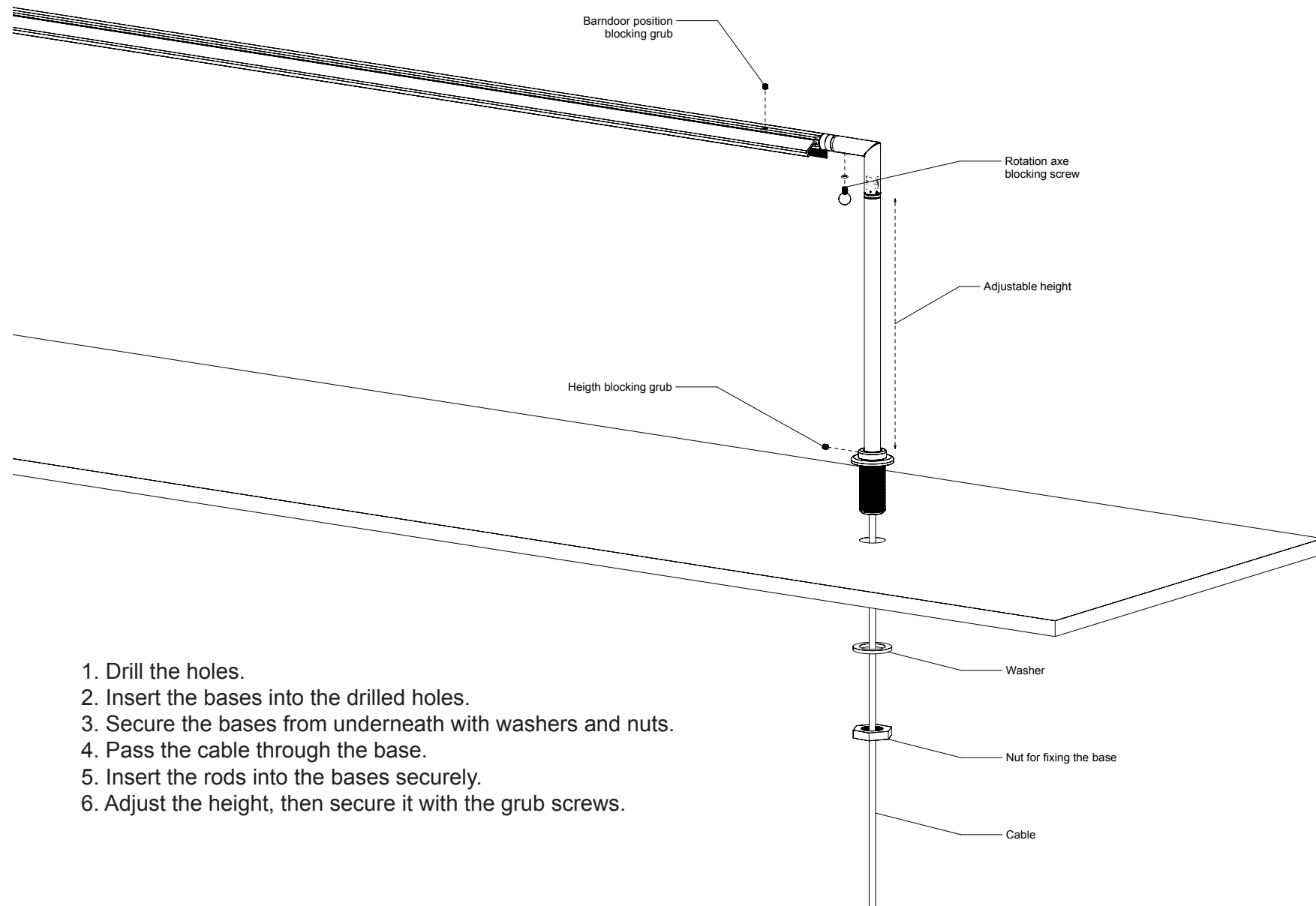
L-MBA-01-SQ



Installation



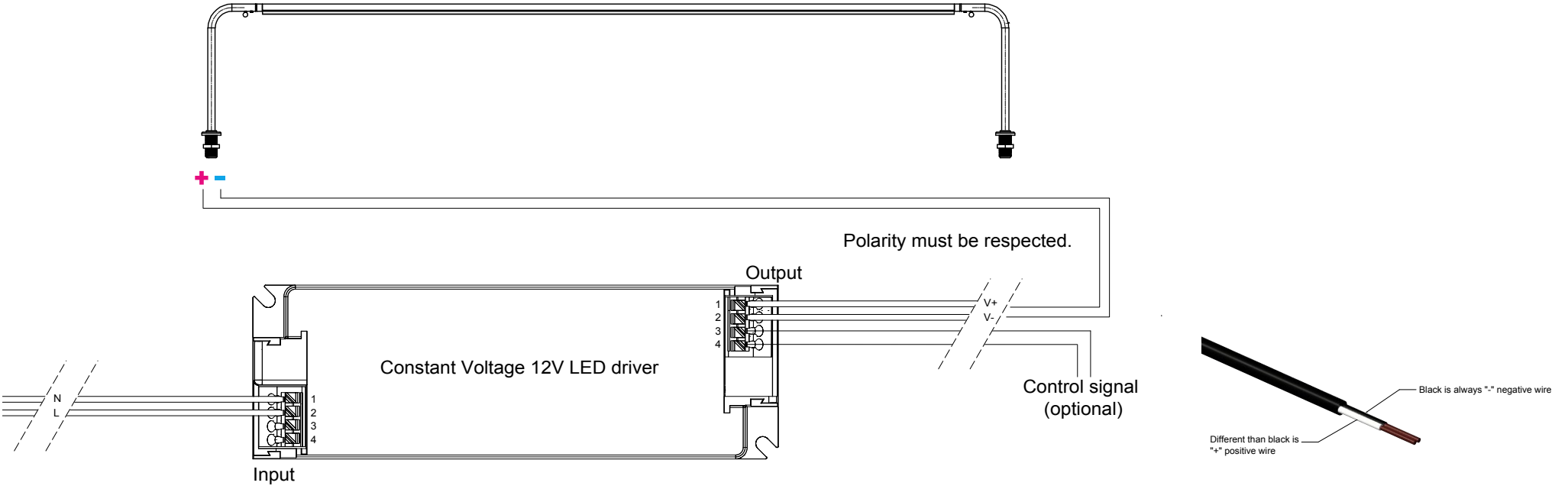
Base Installation



1. Drill the holes.
2. Insert the bases into the drilled holes.
3. Secure the bases from underneath with washers and nuts.
4. Pass the cable through the base.
5. Insert the rods into the bases securely.
6. Adjust the height, then secure it with the grub screws.

Driver Wiring Schema

L-MBA-01



To ensure accurate calculations and detailed information, it is highly recommended to consult the dedicated drivers' cutsheets.

Driver	Short Description	Nbr of Fixtures (for 1m length)	Settings
LM-60-12-U1A2	Constant Voltage driver with 0-10V control, 60W	1 - 4	12V
LM-60-12-U1M2	Constant Voltage driver with DMX control, 60W	1 - 4	12V

To calculate the maximum length you can power, note that the L-MBA consumes 12W per meter. Simply divide your driver's capacity by 12 to determine the maximum supported length. The number of fixtures per driver is calculated based on 80% capacity for safety reasons.

IMPORTANT: Always use with UL power unit, with isolated output, 12VDC, 10A maximum.