



MODULAR LIGHTING BAR OR PERCH BAR SYSTEM

JLX-LITE MkII

Technical Specification Sheet

DESCRIPTION

The Jands JLX-LITE MkII is a universal modular wired bar system intended for fixed installation in bars, clubs, schools, theatres, and other venues where a lighting bar with associated fixed wiring is required. A mounting kit is available that allows the JLX-LITE MkII to also be installed vertically as a Perch bar.

The JLX-LITE MkII consists of a structural body, standard size (nominal 48mm OD) extruded aluminium lighting bar, and multiple interconnecting supports between the two. The body incorporates an internal divider that forms two electrically segregated wiring compartments, allowing mains outlets to be fitted on one side and low voltage connections such as DMX-512, Ethernet, audio, or video to be fitted on the other. The mains side of the body is pre-punched with a socket outlet every 400mm, while the low voltage side is pre-punched for an AXR connector every 800mm.

The covers of the JLX-LITE MkII are secured with a single screw and are easily installed and removed for maintenance. The JLX-LITE MkII is supplied with unwired mains socket outlets, ready to be installed by a licensed electrician to suit the specific circuit requirements. The rear of the JLX-LITE includes an abundance of fixing holes that ensure a mounting hole is available where needed. It can be mounted flush against a surface or for suspended from standard threaded rod.

The JLX-LITE modules are available in lengths of 2400mm and 1600mm. A spigot is supplied with each module that when fitted ensures the lighting bars align when mounted end to end.

The JLX-LITE can carry distributed loads of up to 50kg/m and point loads of up to 50kg, depending on installation or rigging configurations.

SPECIFICATIONS

Model :	16M4	24M6
Depth :	153mm	153mm
Height :	220mm	220mm
Nominal Length :	1600mm	2400mm
Nominal Bar Diameter :	48.8mm	48.8mm
Weight :	9kg	12kg
Mains Outlets :	10A x 4	10A x 6
Mains Outlet Density :	400mm	400mm
Distributed Load (UDL) :	50kg/m max	50kg/m max
Point Load :	50kg max	50 kg max

SUPPLIED ACCESSORIES

- User Guide/Installation instructions
- End caps
- Mains sockets, earth wires
- Bar spigot (pipe alignment only)
- Adhesive numbering kit

ORDERING INFORMATION

MODEL/PART	PART NUMBER
1600mm Lighting Bar, 2 x ELV knock-outs, 4 x 10A outlets.	JND-JLXL16M4
2400mm Lighting Bar, 3 x ELV knock-outs, 6 x 10A outlets.	JND-JLXL24M6
Vertical Mounting Kit	JND-JLXL-VMK
DMX Wiring Kit with hardware	JND-JLXP-DMX

FEATURES

- Module lengths of 1600mm (4 mains outlets) and 2400mm (6 mains outlets)
- Black finish (other colours available upon request)
- Strong, durable construction
- Multiple mounting holes and configurations
- ELV holes for industry standard fittings
- Surface or suspended mounting
- Distributed loads up to 50kg/m
- Knock-outs for cable entry
- Point loads of up to 50kg
- 240V 10A socket outlets
- Simple installation



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ARCHITECT & ENGINEER'S SPECIFICATION

Mechanical

The lighting bar system shall provide a prefabricated solution that enables traditional lighting bars to be quickly and easily installed. It shall also provide adjacent segmented cable ducting facilities for both mains and low voltage wiring. The system shall consist of body that's fixed to the building structure, a standard 48mm nominal OD aluminium lighting bar, and multiple interconnecting supports between the two.

The lighting bar body shall be constructed from punched sheet steel and be fitted with easily removable covers to facilitate installation and maintenance. All surfaces shall be properly treated to prevent corrosion. Multiple mounting holes shall be available to accommodate installation against a surface or hung from threaded rod. It shall also be able to be installed vertically with the addition of a vertical mounting kit.

The lighting bar body shall include a fixed divider enables it to be used as a segregated duct for both mains and low voltage wiring. The lighting bar body shall be supplied with holes for mains socket outlets every 400mm and low voltage outlets every 800mm.

The underhung bar shall be made from lightweight extruded aluminium of 48mm nominal outside diameter to suit standard lighting fittings. When correctly installed the lighting bar shall be able to accommodate uniformly distributed loads of up to 50kg/m and point loads of up to 50kg.

The lighting bar system shall be modular, available in nominal lengths of 1600mm and 2400mm. A machined aluminium spigot shall be provided to ensure bar alignment when modules are mounted end to end.

The lighting bar system shall be finished in black. Other colours shall be available upon request.

Electrical

The lighting bar system shall provide a pair of segregated wiring compartments to enable AS3000 compliant mains wiring be safely installed alongside with wiring for DMX-512, Ethernet, audio, video, or other Extra Low Voltage (ELV) signals.

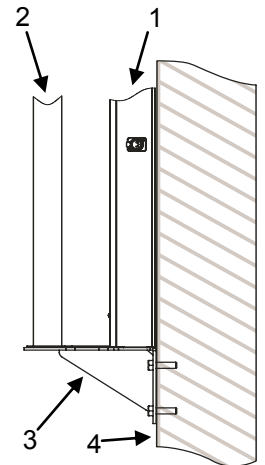
The mains compartment shall be supplied with single phase surface mounted un-switched 230V/10A sockets. Lighting bar modules shall include either four (4) (1600mm module) or six (6) (2400mm module) mains socket outlets. Each socket outlet shall have an earthing point available close to the socket.

The ELV wiring compartment shall include two (2) (1600mm module) or three (3) (2400mm module) knockouts suitable for use with AXR chassis mount 34-series or equivalent connectors.

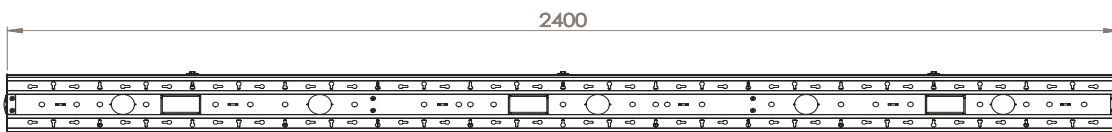
The base plate shall be formed to include attachments for cable-ties to assist with cable management. Knock-outs shall be provided to facilitate cable entry into the duct.

The combined lighting bar and duct assembly shall be designed for installation by licensed electricians and when properly installed allow the wiring to conform to AS3000:2007.

The lighting bar system shall be the Jands JLX-LITE MKII.

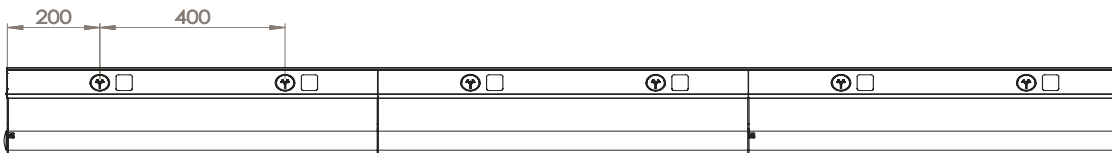


Vertical mounting arrangement showing JLX-LITE Body (1), JLX-LITE Bar (2), Vertical Mounting Bracket (3), and supporting wall (4)

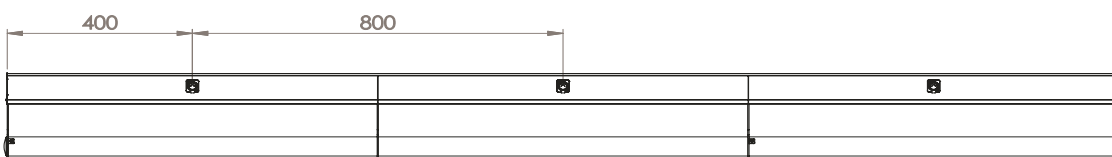


Plan View

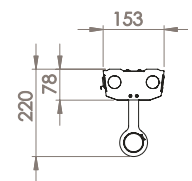
2400mm module shown. The 1600mm module includes only 2 of the 3 segments shown.



Mains Outlet Side View



ELV Side View



End View



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