

JLX-PRO

MODULAR WIRED LIGHTING BAR SYSTEM



DESCRIPTION

The Jands JLX-PRO is a modular pre-wired lighting bar system featuring a central load-bearing extrusion with aluminium side panels, forming two mechanically and electrically segregated wiring compartments.

Top & bottom strut channels accept accessories for fixing to wire ropes, chains, RHS or pipe battens, and fixed supports.

JLX-PRO modules are supplied as 2.35, 3.5 or 4.7m long ducts, with an underhung aluminium 48.4mm OD tube.

230V 10A outlets are provided along one side of the module at low (780mm), medium (590mm) or high (390mm) density centres, wired to top mounted Socapex 419 inlets.

A range of Socapex cabling options are available and supplied separately. These include Socapex to Socapex extension cables (available in 2.5m increments from 15m to 25m length) and adaptors for Socapex to discrete plugs or sockets ("tails" & "headers").

Each JLX-PRO module is fitted with JANDS SB plates, which, in conjunction with an optional top mounted universal inlet panel, allow easy installation of Extra Low Voltage services on the "reverse" side of the module.

The JLX-PRO can carry distributed loads of (up to) 100kg/m and point loads of (up to) 100kg, depending on installation or rigging configurations.

The Jands JLX-PRO is designed to comply with the electrical safety requirements of AS3100:2002 and is designed for use as a lifting beam to AS4991:2004.

OVERALL SPECIFICATIONS

Depth :	153mm
Height :	346mm
Duct & Tube Length :	2356mm (23M6) 3531mm (35M6) 4706mm (47M6, 47M12)
Weight :	24kg (23M6) 35kg (35M6) 46kg (47M6) 48kg (47M12)
Outlets :	10A x 6 (23M6, 35M6, 47M6) 10A x 12 (47M12)
Outlet Density :	Low (780mm centres) Medium (590mm centres) High (390mm centres)
Loading Capacities :	Distributed Load (UDL) 100kg/m (max) Point Load 100kg (max)

FEATURES

- Proprietary extruded aluminium spine for strength (Registered Design No. 302249)
- Durable construction & black low sheen finish.
- Distributed Loads of (up to) 100kg/m & Point Loads of (up to) 100kg.
- Three module lengths (2.35, 3.5 & 4.7m) and three outlet densities (low, medium & high) for simple user-customised solutions from standard building blocks.
- Kits for flying from ropes or chains, for suspending from battens and for fixed installations.
- Industry standard Socapex cables, headers & tails.
- 10A (standard) & 20A (optional) outlets available.
- Compatible with Jands WM range of patch panels.
- User configurable Extra Low Voltage compartment using Jands SB plates and universal inlet kit.

ORDERING INFORMATION

MODEL/PART	PART NUMBER
2.35m Lighting Bar, 1 x Socapex inlet, 6 x 10A outlets.	JND-JLXP23M6
3.53m Lighting Bar, 1 x Socapex inlet, 6 x 10A outlets.	JND-JLXP35M6
4.71m Lighting Bar, 1 x Socapex inlet, 6 x 10A outlets.	JND-JLXP47M6
4.71m Lighting Bar, 2 x Socapex inlets, 12 x 10A outlets.	JND-JLXP47M12
Socapex to Socapex extension cable, 20A, 15m.	JND-JLXPEX15S20
Socapex to Socapex extension cable, 20A, 17.5m.	JND-JLXPEX17S20
Socapex to Socapex extension cable, 20A, 20m.	JND-JLXPEX20S20
Socapex to Socapex extension cable, 20A, 22.5m.	JND-JLXPEX22S20
Socapex to Socapex extension cable, 20A, 25m.	JND-JLXPEX25S20
Socapex to Socapex patch cable, 20A, 2.5m.	JND-JLXPP2S20
Socapex to Socapex patch cable, 20A, 5m.	JND-JLXPP5S20
Socapex socket to 6 x 10A 3 pin plugs, 1m.	JND-JLXPLNSS10
Socapex plug to 6 x 10A 3 pin sockets, 1m.	JND-JLXPLNSP10
Socapex socket to 6 x 20A 3 pin plugs, 1m.	JND-JLXPLNSS20
Socapex plug to 6 x 20A 3 pin sockets, 1m.	JND-JLXPLNSP20

ACCESSORIES & KITS

MODEL/PART	PART NUMBER
2.35m "Blank" module, 2.35m pipe, joiner kits.	JND-JLXP23M0
Cut to length service for JND-JLXP23M0.	JND-JLXPCUT
Joining Kit, for structural joints between modules.	JND-JLXPJOINKIT
Flying Iron, suspending JLX-PRO from wire ropes.	JND-JLX-FLY
Clamp for attaching 48OD tube below JLX-PRO.	JND-JLX-PIPE
Cable Management Rubber Clips.	JND-JLXPCABMAN
Hook Clamp for 75x50RHS batten.	JND-JLX-BATT
Hook Clamp for 40NB pipe batten.	JND-JLX-BATTP
Top mount universal inlet kit for ELV cabling.	JND-JLXPELV

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Jands Pty Ltd 40 Kent Road Mascot NSW 2020 Australia
Phone +61 2 9582 0909 Fax +61 2 9582 0999 www.jands.com.au

JLX-PRO

TSS JND-JLXPRO-0905-02

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**MODULAR
WIRED LIGHTING BAR SYSTEM**

JANDS

ARCHITECT'S & ENGINEER'S SPECIFICATION

Mechanical

The lighting bar shall be constructed from an extruded aluminium spine with punched aluminium side panels and profile cut aluminium end panels.

The top and bottom of the spine shall be formed so that fixings can be made to the extrusion using industry standard channel nut or channel stud fixings.

Longitudinal channels shall permit end plates and side panels to be attached using self threading screws, eliminating the need for nuts or nut-strips.

The lighting bar shall be able to accommodate Uniform Distributed Loads of (up to) 100kg/m and Point Loads of (up to) 100kg.

The lighting bar shall have mounting kits for flying directly from wire ropes, attaching to 75 x 50 RHS or 40NB pipe battens or for fixed installation.

The lighting bar shall be part of a modular system, available in modules of 2.35m, 3.5m and 4.7m, with an underhung 48.4mm OD aluminium lighting barrel.

Modules shall be able to be joined using joiners in the top & bottom strut channels and spigots in the underhung lighting barrels. Joins between modules shall not compromise the lighting bar load rating.

Joining of modules shall not require disassembly of electrical components and shall be able to be easily carried out using only hand tools.

The lighting bar shall be designed and tested for use as a Lifting Beam to AS4991:2004.

The Lighting Bar shall be the Jands JLX-PRO.

Electrical

The lighting bar shall be arranged such that the central structural spine forms 2 electrically segregated wiring compartments.

One compartment shall be for Low Voltage (LV) wiring systems, and shall be supplied fitted, as standard, with single phase surface mounted unswitched 230V/10A socket outlets.

Optional 20A socket outlets shall be available, and all multipin connectors, multicore cabling and lighting bar internal cabling, shall be rated to allow the retrofitting of 20A outlets with no further modifications.

Socket outlets shall be wired, in groups of six (6), to a 19 pin circular inlet connector, housed in an earthed metal housing on the top of the lighting bar. This housing shall be easily reversible to accommodate left & right handed cabling arrangements.

The second wiring compartment shall be reserved for Extra Low Voltage (ELV) wiring systems.

An optional, reversible, top mounted inlet housing shall be available for ELV cable reticulation. This housing shall have interchangeable plates for different cabling and connector options.

The ELV side panels shall be fitted with Jands SB plate positions for the mounting of ELV outlets. Fitting of ELV inlets and SB plates shall be possible without exposing any LV cabling.

Top mounted cable management clips shall facilitate management of multicore cables along the bar.

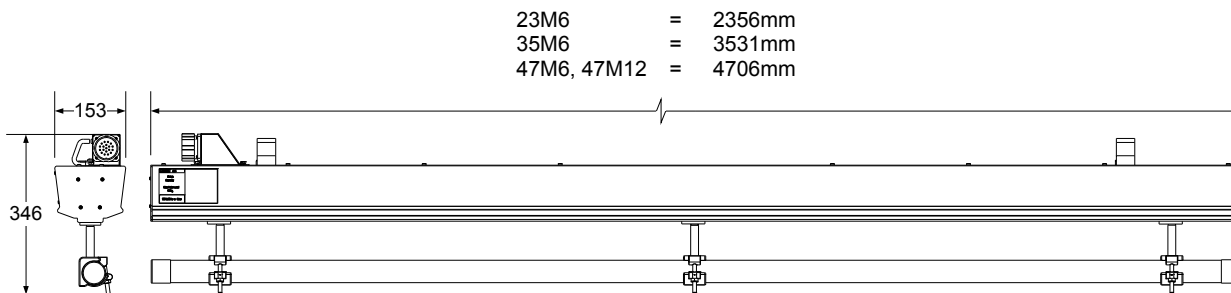
A range of complementary multicore extension cables, headers & tails shall be available.

Lighting bar modules shall be available with six (6) socket outlets (sizes 23, 35 & 47) and twelve (12) socket outlets (size 47).

The lighting bar shall be designed and tested to comply with the requirements of AS3100:2002.

The Lighting Bar shall be the Jands JLX-PRO.

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