



**MODULAR WIRED
LIGHTING BAR SYSTEM**

JLX-PRO

Technical Specification Sheet

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 19 pin inlets.

A range of multi core cabling options are available and supplied separately. These include 19 pin to 19 pin extension cables (available in 2.5m increments from 15m to 25m length) and adaptors for 19 pin 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, Classification C2.

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 multi core 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.

OVERALL SPECIFICATIONS

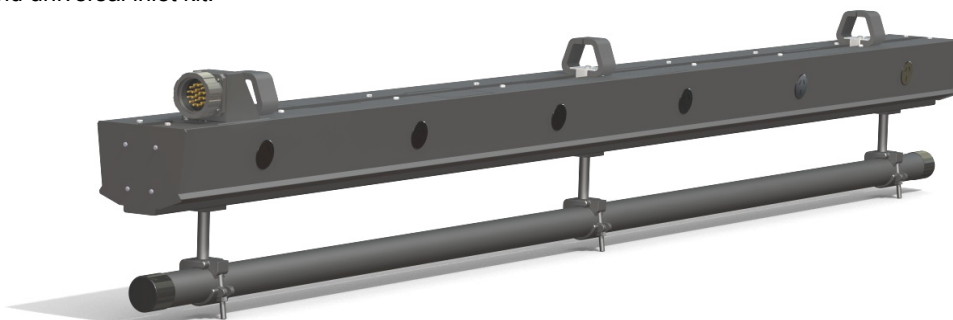
Depth :	153mm
Height :	346mm
Duct & Tube Length :	2356mm (23M6) 3531mm (35M6) 4706mm (47M6, 47M12)
Weight :	24kg (23M6) 35kg (35M6) 46kg (47M6) 48kg (47M12)
Outlets :	10A x 6 (23M6, 35M6, 47M6) 10A x 12 (47M12)
Outlet Density :	Low (780mm centres) Medium (590mm centres) High (390mm centres)
Loading Capacities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

ORDERING INFORMATION

MODEL/PART	PART NUMBER
2.35m Lighting Bar, 1 x 19 pin inlet, 6 x 10A outlets.	JND-JLXP23M6
3.53m Lighting Bar, 1 x 19 pin inlet, 6 x 10A outlets.	JND-JLXP35M6
4.71m Lighting Bar, 1 x 19 pin inlet, 6 x 10A outlets.	JND-JLXP47M6
4.71m Lighting Bar, 2 x 19 pin inlets, 12 x 10A outlets.	JND-JLXP47M12
19 pin to 19 pin extension cable, 20A, 15m.	JND-JLXPEX15S20
19 pin to 19 pin extension cable, 20A, 17.5m.	JND-JLXPEX17S20
19 pin to 19 pin extension cable, 20A, 20m.	JND-JLXPEX20S20
19 pin to 19 pin extension cable, 20A, 22.5m.	JND-JLXPEX22S20
19 pin to 19 pin extension cable, 20A, 25m.	JND-JLXPEX25S20
19 pin socket to bare ends, length to order	JND-JLXPEXFTB
19 pin to 19 pin patch cable, 20A, 2.5m.	JND-JLXPP2S20
19 pin to 19 pin patch cable, 20A, 5m.	JND-JLXPP5S20
19 pin socket to 6 x 10A 3 pin plugs, 1m.	JND-JLXPLNSS10
19 pin plug to 6 x 10A 3 pin sockets, 1m.	JND-JLXPLNSP10
19 pin socket to 6 x 20A 3 pin plugs, 1m.	JND-JLXPLNSS20
19 pin 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
Joining Kit, for joining extrusion modules and pipes.	JND-JLX-JOINKIT
Flying Iron, suspending JLX-PRO from wire ropes.	JND-JLX-FLY
Extended flying iron to suit JLX-PRO with energy bins	JND-JLXP-FLYLONG
Clamp for attaching 48OD tube below JLX-PRO.	JND-JLX-PIPE
Cable Management Rubber Clips.	JND-JLXPCM
Hook Clamp for 75x50RHS batten.	JND-JLX-BATT
Hook Clamp for 40NB pipe batten.	JND-JLX-BATTP
Spigot for joining 48OD pipe	JND-JLX-SPIGKIT
Top mount universal inlet kit for ELV cabling.	JND-JLXPELV
DMX Wiring Kit with hardware	JND-JLXP-DMX
Ethernet Wiring Kit with hardware	JND-JLXP-ETHERN
Wall/Ceiling mount pre-wired single 19 pin outlet	JND-JLXPS1SOCA
Wall/Ceiling mount pre-wired double 19 pin outlet	JND-JLXPS2SOCA
Trim Chain Kit	JND-MP491



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ARCHITECT & 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 Classification C2.

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 to AS/NZS 3112:2004.

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, fully compatible with the Socapex® 419AR connector range and tested to AS/NZS 61535.1:2003.

The 19 pin inlet shall be housed in an earthed metal housing on the top of the lighting bar, easily reversible for both 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.

