



**NORDLAND
LIGHTING®**



Management System
ISO 9001:2015
www.nlv.com
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JBPLT LED Linear

Zone 2, 21, 22

OVERVIEW

The JBPLT LED Zone 2/21/22 linear luminaire is a high-performance industrial fitting designed for hazardous areas. Supplied with Ex nA certified LED tubes this fitting is available in a variety of lengths and wattages according to the customers application and lighting requirements.

Used widely in hazardous area applications this robust, high lumen output linear fitting, is supplied in wattages ranging from 18W to 48W. The luminaire is manufactured from compression moulded glass fibre reinforced polyester and an injection moulded polycarbonate lens. This

versatile, robust IP65, IK08 luminaire with a broad range of ambient operating temperatures and an ex approved in-line fuse to protect against surges, making the luminaire ideal for use in any hazardous application both indoors and outdoors.

APPLICATIONS



INDOOR
AREAS



OUTDOOR
AREAS



INDUSTRIAL
ENVIRONMENTS



HAZARDOUS
AREAS



MINING AND
SURFACE AREAS



OIL AND GAS

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PERFORMANCE

Model Name	JBPLT 1200mm	JBPLT 1200mm	JBPLT 1500mm
	2x9W	2x18W	2x24W
Wattages	18W	36W	48W
Nominal Lumens	2160lm	4320lm	5760lm
System Lumens	1800lm	3600lm	4800lm
System efficacy lm/W	100lm/W	100lm/W	100lm/W

LED AND OPTICS

Optics	120° standard
Expected lifetime	>30000
L70 rating	>30000 @25C L70 B10
Colour Rendering Index RA	>80
Colour Temperature	4500K

ELECTRICAL AND OPERATING

Driver	AC to DC Converter
Operating temperature	-20°C to +40°C
Input voltage/Frequency	240VAC \pm 10%, 50/60Hz
Input Current	0,082 @18W, 50/60Hz
Power Factor	>0.9
Surge Protection	Ex approved Inline Fuse

PRODUCT MATERIALS AND INSTALLATION

Housing	DMC (Dough mould compound), Fibre Reinforced
Lens	Clear Polycarbonate, Secured with Stainless steel clips
Gasket	Extruded rubber silicone cemented into body
Finish	Beige DMC (Dough mould compound) Fibreglass Reinforced
Ingress Protection	IP65 Standard IP66 on request
IK Rating	IK08
Mounting Options	Wall, Pole, Ceiling
Spigot size	N/A

CERTIFICATIONS. STANDARDS	EX
	Complies to SANS 60598-1
	Complies to SANS 1464-22 (EM Version)
	Complies to SANS 60079-0
Zone 2	Exe nA IIC T4 Gc
Zone 21/22	Ex tb IIIC T135°C Db

DIMENSIONS



DIMENSIONS AND PACKAGING

Model	JBPLT 2ft	JBPLT 4ft	JBPLT 5ft
Wattage	18W	36W	48W
Dimensions mm (LxWxH)	1310 x 172 x 115mm	1610 x 172 x 115mm	1610 x 172 x 115mm
Weight Kg (Unit / packaged)	4kg / 4,2kg	5kg / 5,2kg	6kg / 6,2kg

ACCESSORIES

Pole clamp Bracket
Metal Gland on request

PHOTOMETRIC PERFORMANCE:

As photometric data and IES files differ according to the selected optics and wattages, these are available on request

LIGHTING DESIGN SERVICES:

On request we can do lighting design for your application.

WARRANTY:

Lamp - 1 year
Luminaire - 5 years

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Nordland reserves the right to change any specification or design without prior notice.

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