



**NORDLAND  
LIGHTING®**



Management System  
ISO 9001:2015  
www.nlv.com  
ID: 9100087029



## JBPLS Linear

Zone 21, 22

### OVERVIEW

The JBPLS LED is a high-performance luminaire designed for use in Zone 21 and 22 hazardous areas. This high lumen output hazardous area fitting fixture is widely used in all sectors of the economy and can be supplied in a variety of lengths and

wattages ranging from 28W to 90W according to a customer's desired application. The luminaire is manufactured from compression moulded glass fibre reinforced polyester and a polycarbonate lens. This versatile, robust IP65, IK08

luminaire with a broad range of ambient operating temperatures, is ideal for use in any hazardous area application. An emergency option providing 20% of the designed lumen output for 1 hour is available on this fixture.

### APPLICATIONS



INDOOR  
AREAS



OUTDOOR  
AREAS



INDUSTRIAL  
ENVIRONMENTS



HAZARDOUS  
AREAS



MINING AND  
SURFACE AREAS

LINEAR • HAZARDOUS • INDUSTRIAL

## PERFORMANCE

Model Name	JBPLS		JBPLS		JBPLS	
	2ft (600mm)		4ft (1200mm)		5ft (1200mm)	
Wattages	28W	36W	53W	68W	64W	90W
Nominal Lumens	4603,2lm	5918,4lm	8713,2lm	11179,2lm	10521,6lm	14796lm
System Lumens	3836lm	4914lm	7261lm	9316lm	8768lm	12330lm
System efficacy lm/W	137	137	137	137	137	137

## LED AND OPTICS

Optics	120° standard
Expected lifetime	>80000
L70 rating	>80000, L70 B10 @25°C
Colour Rendering Index RA	>80
Colour Temperature	4000K standard, 3000K, 5000K and 6500K available on special request

## ELECTRICAL AND OPERATING

Driver	Constant Current, selectable
Operating temperature	-20°C to +40°C
Input voltage/Frequency	220V-240V, VAC ±10%, 50/60Hz
Input Current	0,134 @28W; 0,173 @36W; 0,254 @53W; 0,326 @68W; 0,307 @64W; 0,432 @90W
Power Factor	>0.95
Surge Protection	Inline Fuse

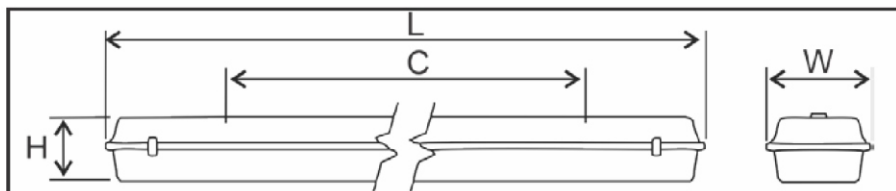
## PRODUCT MATERIALS AND INSTALLATION

Housing	DMC (Dough mould compound) Fibreglass 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	IP66
IK Rating	IK08
Mounting Options	Wall, Pole, Ceiling

**CERTIFICATIONS. STANDARDS**

Zone 21/22

EX
Complies to SANS 60598-1
Complies to SANS 60079-0
Ex tb IIIC T85°C Db IP66

**DIMENSIONS****DIMENSIONS AND PACKAGING**

Model	JBPLS 2ft Linear	JBPLS 4ft Linear	JBPLS 5ft Linear
Wattage	28W, 36W	53W, 68W	64W, 90W
Dimensions mm (LxWxH)	700 x 172 x 115mm	1310 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:**

Warranty 5 years

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