

# JBP-LED

Zone 2



Management System  
ISO 9001:2015



www.tuv.com  
ID: 2110587922

## Overview

- **High-Performance Luminaire:**  
The JBP LED is an industrial vapour-proof fitting suitable for demanding environments.
- **Versatile Applications:**  
Commonly used in corrosive environments and industrial settings, available in various lengths and wattages.
- **Flexibility in Installation:**  
Designed to suit any application with flexibility in mounting heights.
- **Robust Construction**  
Made from compression-moulded glass fibre reinforced polyester with a Polycarbonate lens.
- **Durability:**  
Rated IP65 and IK08, the luminaire is robust, can operate in a wide range of ambient temperatures, and includes 10kV surge protection.
- **Energy Efficiency:**  
Ensures high energy efficiency and long-lasting performance, optimizing energy consumption and reducing operational costs.

## Applications



Mining and Surface Areas



Oil and Gas



Hazardous Areas



Industrial



Outdoor Areas



Indoor Areas

Linear - Hazardous - Industrial



**NORDLAND  
LIGHTING**

## PERFORMANCE DATA

| Model Name                    | JBP-LED 2ft 25                   | JBP-LED 4ft 47                    |
|-------------------------------|----------------------------------|-----------------------------------|
| Wattage (W)<br>+- 5% variance | 25 W                             | 47 W                              |
| Nominal Flux (Lumen)          | 3990                             | 7501,2                            |
| System Flux (Lumen)           | 3325                             | 6251                              |
| System Efficacy (lm/W)        | 133 lm/W                         | 133 lm/W                          |
| Emergency Operation           | 6W @ 1hour 600lm EM version only | 6W @ 1 hour 600lm EM version only |

## ELECTRICAL OPERATING DATA

|   |  |
|---|--|
| Driver Type                               | Ex approved, Constant Current  |
| Voltage input, Frequency and Power Factor | 230VAC +- 10% / 50 or 60Hz / PF > 0.96                                       |
| Running Current                           | 0.120A @ 25W / 0.226A @ 47W  |
| Allowed Operating Temperature             | -20° C to + 40° C  |
| Electrical and Thermal Protection         | 10kV Standalone, 2kV L/N to PE, 1kV L to N Driver, Thermal Cutout Protection |

## LED CHARACTERISTICS AND OPTIC DATA

|                                     |  |
|-------------------------------------|--|
| Available Optics                    | 120° Standard  |
| Expected LED Lifespan               | >80000 hours @ L70B10 80°C (According to LM-80-08)                               |
| Colour Rendering Index (CRI)        | >80  |
| Correlated Colour Temperature (CCT) | 4000K Standard, 3000K, 5000K and 6500K available as options on special request   |
| IES Files                           | Available on request, Professional Lighting Design services available at no cost |

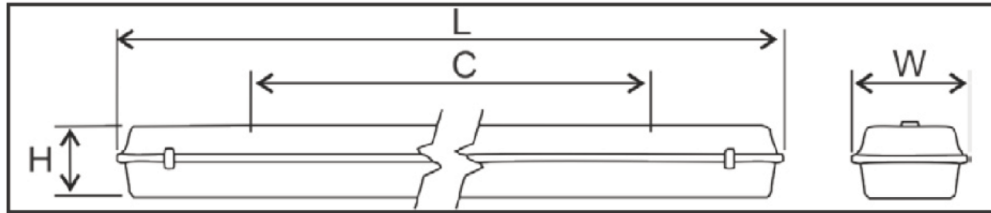
## PRODUCT MATERIAL AND INSTALLATION

|                                   |   |
|-----------------------------------|---|
| Housing Material and Finish       | DMC (Dough mould compound) Fibreglass Reinforced        |
| Lens and Gasket                   | Polycarbonate lens / Secured with Stainless steel clips |
| Ingress Protection and IK Rating  | IP66 / IK08   |
| Mounting and Installation options | Wall, Pole and Ceiling mountings available              |

Linear - Hazardous - Industrial

## Certifications and Standards Compliance

|                             |   |
|-----------------------------|---|
| Standards compliance        | SANS 60079 / SANS 60598 / SANS 1464-22      |
| Ex Certification Compliance | Ex ec nC mc IIC T4/T5 Gc<br>MASC S/19-1193X |
| ISO QMS                     | 9001:2015                                   |



## Dimensions and Packaging

| Model                                      | JPB-LED 2ft 25  | JPB-LED 4ft 47   |
|--|-----------------|------------------|
| Dimensions (Length x Width x Height) in mm | 700 x 172 x 115 | 1310 x 172 x 115 |
| Weight (Unit / Packaged) in kg             | 4 / 4.2         | 5 / 5.2          |

## Miscellaneous

|                        |                   |  |  |
|------------------------|-------------------|--|--|
| Contact Nordland       | T: 010 442 2809   | E: Sales@Nordland.co.za                      | W: <a href="https://Nordland-Lighting.com/">https://Nordland-Lighting.com/</a> |
| Warranty Details       | 5 Years (Limited) | T's and C's Available from Nordland          | W: <a href="https://Nordland-Lighting.com/">https://Nordland-Lighting.com/</a> |
| Free Services Provided | Lighting Audits   | Lighting Designs by Accredited Professionals | Lighting Specification Writing and Tender Detail Assistance                    |

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