LED ONLINE · TECHNICAL DATASHEET

VLP Hazardous-Area LED Linear Luminaires

18W · 36W · 46W



Model comparison

Model	Power	Dimensions	Light output	Net weight
ZLVP18-2	18W	600 × 50 × 48mm	2160 lm	1.0kg
ZLVP36-4	36W	1200 × 50 × 48mm	4320 lm	1.3kg
ZLVP46-5	46W	1500 × 50 × 48mm	5520 lm	1.6kg

Hazardous-area selection

> The supplied datasheet declares Zones 2, 21 and 22 and the markings below. A certificate has not been provided with this brochure. Obtain the applicable certificate and confirm the exact model, area classification, temperature limits and installation requirements with a qualified hazardous-area specialist before ordering. Not represented as suitable for Zone 0 or Zone 1.

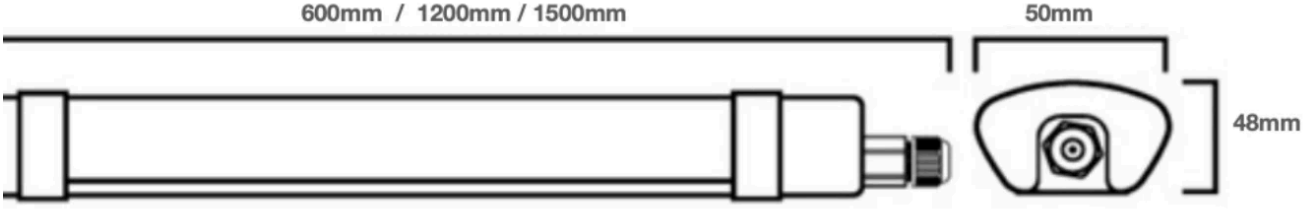
Conditions of safe use

- Isolate elsewhere before opening the cover.
- Do not open when energised or when an explosive atmosphere is present.
- Static hazards may exist; wipe only with a damp cloth.

Technical information transcribed from the supplied ZLVP2023 brochure. This LED Online summary is not a certificate or installation approval. Dimensions are fitting dimensions, not carton dimensions. Net weights exclude packing.

VLP 18W Hazardous-Area LED Linear Luminaire · ZLVP18-2

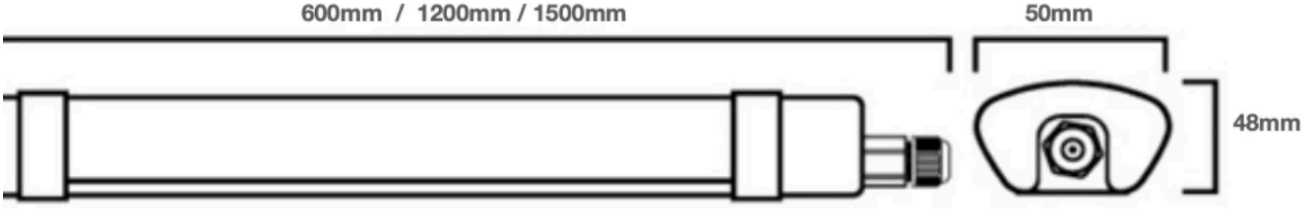
Model	ZLVP18-2
Power	18W
Dimensions (L × W × H)	600 × 50 × 48mm
Net weight	1.0kg (not packed shipping weight)
Luminous flux	2,160 lm
Luminous efficacy	120 lm/W (datasheet-declared)
Operating voltage	100–277V
Frequency	50Hz
Power factor	0.97
Electrical efficiency	92%
Start-up time	0.1s
THD	15%
Colour rendering index	<80 as printed in the datasheet; confirm before specification
Colour temperature options	3000K / 4000K / 5000K; confirm selection
SDCM	3
Light distribution angle	120°
Unified glare rating	22
Ingress protection	IP65
Declared zones	2 / 21 / 22
Gas marking (specification table)	Ex ec IIC T5 Gc
Dust marking (specification table)	Ex tb IIIC T100° Db IP65
Dust marking (overview)	Ex tb IIIC T100°C Db IP65
Listed standards	SANS (IEC) 60079-0:2019; SANS (IEC) 60079-7:2019; SANS (IEC) 60079-31:2014
Operating temperature	20 ~ +70°C as printed; confirm meaning and permitted limits
Ambient temperature	−30 ~ +40°C
LED life span	50,000 hours (L80 B10)
Warranty	5 years; confirm applicable terms



Dimensions shown: 600mm length × 50mm width × 48mm height. Appearance may vary by model.

VLP 36W Hazardous-Area LED Linear Luminaire · ZLVP36-4

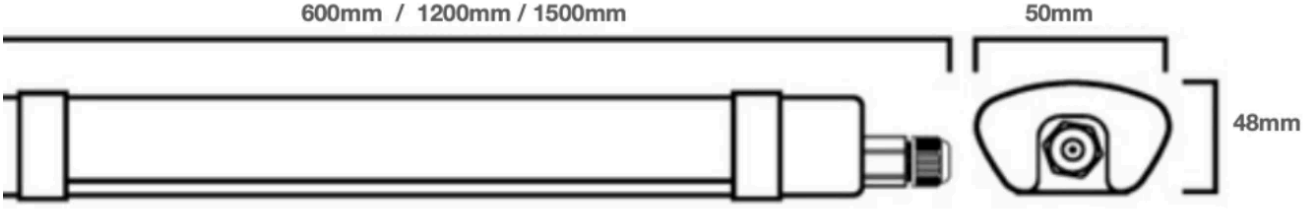
Model	ZLVP36-4
Power	36W
Dimensions (L × W × H)	1200 × 50 × 48mm
Net weight	1.3kg (not packed shipping weight)
Luminous flux	4,320 lm
Luminous efficacy	120 lm/W (datasheet-declared)
Operating voltage	100–277V
Frequency	50Hz
Power factor	0.97
Electrical efficiency	92%
Start-up time	0.1s
THD	15%
Colour rendering index	<80 as printed in the datasheet; confirm before specification
Colour temperature options	3000K / 4000K / 5000K; confirm selection
SDCM	3
Light distribution angle	120°
Unified glare rating	22
Ingress protection	IP65
Declared zones	2 / 21 / 22
Gas marking (specification table)	Ex ec IIC T5 Gc
Dust marking (specification table)	Ex tb IIIC T100° Db IP65
Dust marking (overview)	Ex tb IIIC T100°C Db IP65
Listed standards	SANS (IEC) 60079-0:2019; SANS (IEC) 60079-7:2019; SANS (IEC) 60079-31:2014
Operating temperature	20 ~ +70°C as printed; confirm meaning and permitted limits
Ambient temperature	−30 ~ +40°C
LED life span	50,000 hours (L80 B10)
Warranty	5 years; confirm applicable terms



Dimensions shown: 1200mm length × 50mm width × 48mm height. Appearance may vary by model.

VLP 46W Hazardous-Area LED Linear Luminaire · ZLVP46-5

Model	ZLVP46-5
Power	46W
Dimensions (L × W × H)	1500 × 50 × 48mm
Net weight	1.6kg (not packed shipping weight)
Luminous flux	5,520 lm
Luminous efficacy	120 lm/W (datasheet-declared)
Operating voltage	100–277V
Frequency	50Hz
Power factor	0.97
Electrical efficiency	92%
Start-up time	0.1s
THD	15%
Colour rendering index	<80 as printed in the datasheet; confirm before specification
Colour temperature options	3000K / 4000K / 5000K; confirm selection
SDCM	3
Light distribution angle	120°
Unified glare rating	22
Ingress protection	IP65
Declared zones	2 / 21 / 22
Gas marking (specification table)	Ex ec IIC T5 Gc
Dust marking (specification table)	Ex tb IIIC T100° Db IP65
Dust marking (overview)	Ex tb IIIC T100°C Db IP65
Listed standards	SANS (IEC) 60079-0:2019; SANS (IEC) 60079-7:2019; SANS (IEC) 60079-31:2014
Operating temperature	20 ~ +70°C as printed; confirm meaning and permitted limits
Ambient temperature	−30 ~ +40°C
LED life span	50,000 hours (L80 B10)
Warranty	5 years; confirm applicable terms



Dimensions shown: 1500mm length × 50mm width × 48mm height. Appearance may vary by model.

Product pages & quotations

Visit the matching product page for current information and pricing. Instant quotes are available where listed. Other products and accessories require a quote request.

VLP 18W Hazardous-Area LED Linear Luminaire	View product page	Request a quote
VLP 36W Hazardous-Area LED Linear Luminaire	View product page	Request a quote
VLP 46W Hazardous-Area LED Linear Luminaire	View product page	Request a quote

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Price, availability, selected colour temperature, certification and suitability require confirmation.