



VX200C | Vandaprime WP, 29.5 W, Power supply unit with DALI interface, Wide beam, 110° x 110°, Single layer powder coating

Pierlite Vandaprime waterproof is the ultimate solution for robust and reliable lighting in challenging environments. Designed with an LM6 marine-grade aluminum housing and a RAL 9007 powder-coated finish, this luminaire is built to withstand impact and abuse. With IP66 ingress protection and IK10 impact protection ratings, the Vandaprime range is both waterproof and extremely safe from vandalism and heavy collisions. Designed for installation flexibility, Pierlite Vandaprime luminaires support multiple mounting configurations including ceiling, wall, and pipe mounting, enabling seamless adaptation to a wide range of project requirements. The Vandaprime range offers multiple optical distributions and a wide selection of lumen packages of up to 10,000 lumens, allowing you to precisely and efficiently tailor lighting designs and ensure optimized illumination performance for specific application needs across a variety of environments. It is available with a choice of clear or opal polycarbonate covers. With a service life of up to 100,000 hours (L85), Vandaprime luminaires significantly reduce maintenance needs and operational disruptions, lowering the total cost of ownership. Pierlite Vandaprime waterproof complies with the principles of the circular economy by prioritizing durability and recyclability. The

luminaire is serviceable, with all product information available at your fingertips via the Signify Service tag app. Whether you're upgrading your facility's lighting or seeking robust and reliable illumination in adverse conditions, Pierlite Vandaprime waterproof is the ultimate solution.

General Information

Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Value ladder	Specification
Warranty period	5 years

Light Technical

Luminous Flux	4,200 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	143 lm/W
Color rendering index (CRI)	80
Beam angle of light source	116 degree(s)
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	110° x 110°
Unified glare rating CEN	19

Operating and Electrical

Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Inrush current	18 A
Inrush time	0.214 ms
Power Consumption	29.5 W
Power Factor (Fraction)	0.90
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	21
Suitable for random switching	Not applicable

Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Surge protection level until 6 kV
Feed-through wiring	-
Total harmonic distortion	20 %

Wiring

Connector Type	PUSH-IN [Push-in]
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Controls and Dimming

Dimmable	DALI
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
Embedded control	-
Photocell	-

Mechanical and Housing

Housing Material	Aluminium die-cast LM6 - alloy grade (EN AC-44300)
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	Grey
Optical cover finish	Clear
Overall length	700 mm
Overall width	138 mm
Overall height	114 mm
Dimensions (Height x Width x Depth)	114 x 138 x 700 mm
Optical finish	Clear

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Explosion hazard class	-
Mounting	Bracket
Net Weight (Piece)	5.300 kg

Emergency Operation

Central Emergency	No
Emergency lighting	-

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	-
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +45 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-5%
Initial chromaticity	(0.382, 0.378)
Power consumption tolerance	+/-15%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L95
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L90

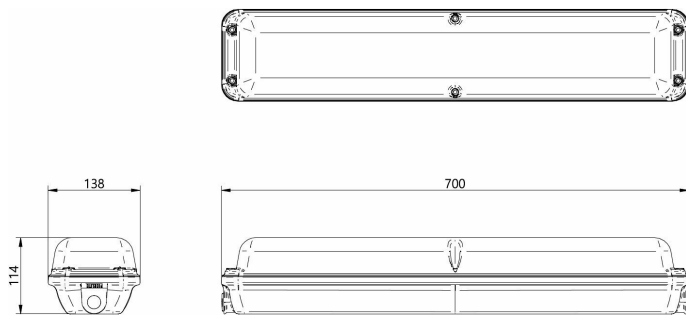
Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Packaging Material	Cardboard

Product Data

Order product name	VX200C 42S/840 PSD L700 WB BR PI5
Full product name	VX200C 42S/840 PSD L700 WB BR PI5
Full product code	872016963404600
Order code	910505105938
Material Nr. (12NC)	910505105938
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169634046
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169634046
Product family code	VX200C [Vandaprime WP]

Dimensional drawing



Polar normal diagrams

