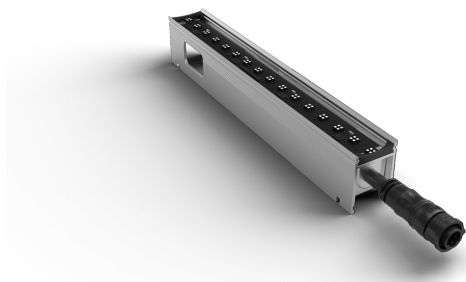




VPL 305·20

LED video pixel linear



Description

Features and benefits

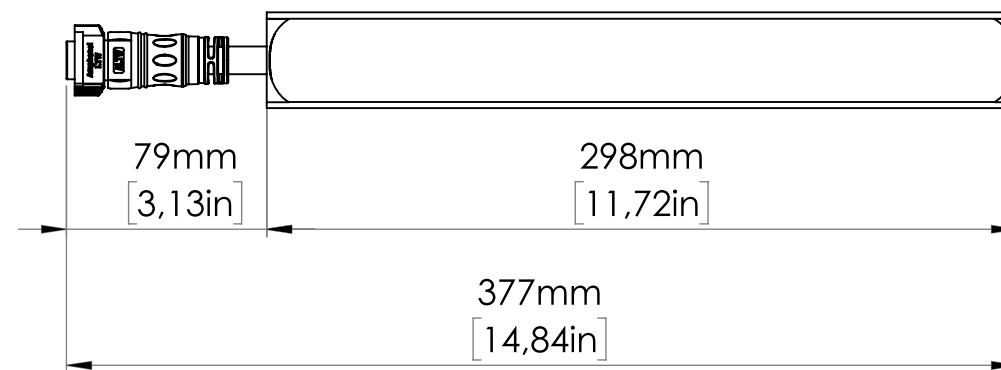
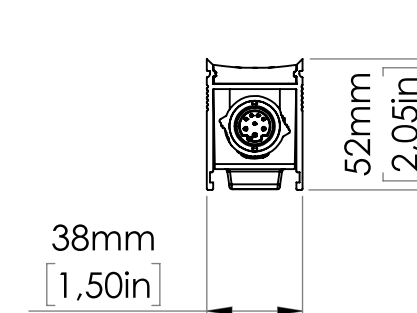
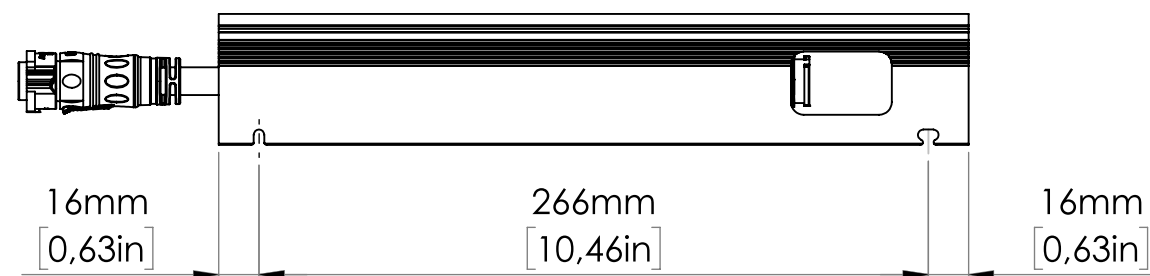
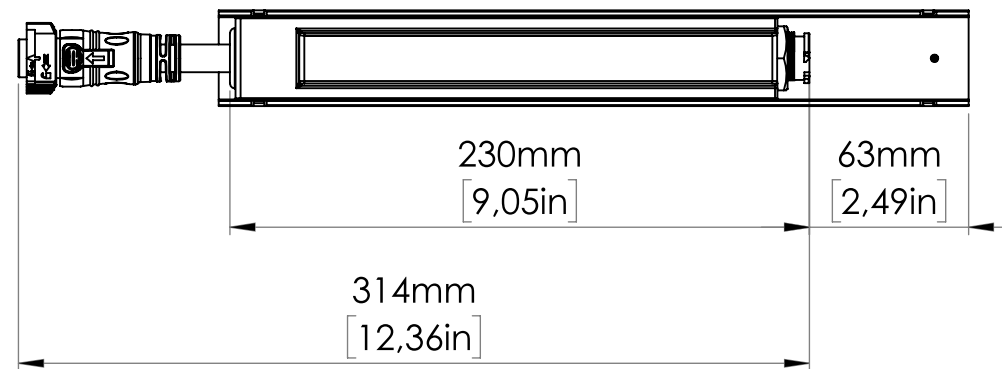
- ✓ IP66-rated Video Pixel Linear luminaire
- ✓ Power and data in one cable with no need for external power supplies
- ✓ 298 millimeter length per luminaire with integrated power supply
- ✓ 16 bit control, Real time remote monitoring, Auto addressing
- ✓ 16 Quad Full-Color LED Pixel Clusters (64 Full-Color LEDs per unit)
- ✓ Long run on a single circuit
- ✓ 19.05 mm pixel pitch and 120° viewing angle
- ✓ IK09-rated, C-5M / CX (marine), UV and corrosion resistant

Certifications & classifications

IP66

RoHS





Specification

Optical Data	LED expected lifetime	50,000 hours
	Lightsources	64 x high-power RGB LEDs
	Native lens options	110°
	Pixel per meter	52 px/m
	Pixel pitch	19.05 mm
	Pixel size	6 x 6 mm Quad LED Pixel Clusters
Photometric	Color temperature range	2000K - 10000K
	Efficacy	26 lm/W
	Light output all LEDs on	201 lm
	Lumen per kilogram	503 lm / Kg
	Luminance	2100 Nits (cd/m2) 2100 nits (modular spacing 35mm)
	Native beam angle(s)	109° (with clear 110° lens)
	Native field angle(s)	151° horizontal, 158° vertical (with 110° clear lens)
Physical	Color options	Black - RAL 9004 AluGrey
	Corrosion class	CX (C5-M - ISO 12944)
	Effective Projected Area	0.16 Square ft
	IK rating	IK09
	IP class	IP66
	Material	Aluminium
	Net dimensions	298 x 52 x 38 mm
	Net dimensions inches	11.7 x 2 x 1.5 inches
Features	Net weight	0.4 kg (0.9 lbs)
	Addressable pixels	16
	Auto addressing	Yes
	Color calibration	SGM proprietary, full color calibration White calibration for RGB
	Dimming	Smooth fade in, gamma corrected curve
	On-fixture test	Yes
	Other	LED frequency control via SGM Network Admin
	Remote monitoring	Yes (Real Time)
	View angle	120°

Electrical	Electrical protection	Overload protection with automatic recover
	Input voltage, nominal	200 - 240 VAC; 50 / 60 Hz
	Max inrush current 230VAC	1.9 A
	Max power consumption	9 W
	Power factor	0.98 PF (230 V)
	Power per meter	29 W/m
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	2.8 W
Programming and Control	16-bit control	Red, Green, Blue
	Data communication	100 Mb
	Data distribution	SGM Power and Data Joiner
	DMX channels	1, 3, 6, 12, 24, 48 or 96
	DMX modes	8
	Protocol	ArtNet (up to 120 Hz) sACN SGM VP-Net
	Setting and addressing	SGM VP Administrator
Connections	Data / Power input	Multicore 8 pin cable 1xShield, 2xPower, 4xSignal
	Data / Power output	Multicore 8 pin cable 1xShield, 2xPower, 4xSignal
Installation	Orientation	Any
	Rigging possibilities	Installation mounting profiles (not included) Hanging / horizontal mounted or ceiling / wall mount (optional)
Thermal	Cooling	Passive
	Humidity (max.)	98 %
	Temperature range, operating	-20°C to 60°C
	Temperature range, start-up	-20°C to 60°C
	Temperature range, storage	-40°C to 80°C
	Thermal protection	Automatic overtemperature protection
	Total heat dissipation, max power	30.7 BTU per hour
	Total heat dissipation, standby	9.6 BTU per hour
Included items	Included items	Safety instructions and installation quick guide
Conforms To	CE - 2014/30/EU: EMC Directive	EN 55103-2

		EN 55015 EN 61547 EN 61000-3-2 EN 61000-3-3 EN 55024 EN 55032
	CE - 2014/35/EU: Low Voltage Directive	EN 60598-1 EN 60598-2-17 EN 62471 EN 60529 EN 62368-1
	RoHS2 Directive	2011/65/EU
	UL	UL Std. 1573
Certified To	CSA	CSA E60598-1, Ed: 2 CSA-E598-2-17-98, Ed: 1

NOTES:

Due to continuous improvements and innovations, specifications may change without notice.

LEDs' expected lifetime provided by manufacturer and obtained under manufacturer's test conditions.

Zoom range defined as a minimum beam angle to a maximum field angle.

Photometric measurements obtained with Goniometer Scan / SGM Illumination Lab 1.6.0.0.

Lumen output in pixel products is calculated.

Ordering information

Qty	Product name	Item number
☐	VPL305-20, AG	80080052
☐	VPL305-20, BL	80080056
☐		
	Accessories	Item number
☐	VPL Touring bracket	83060633
☐	VPL Rounded Opal lens	83061074
☐	VP Power Inserter	83062047
☐	VP Touring Power + Data Joiner	83062049
☐	VP Data Redundancy Interface	83062048
☐	VPL Single installation bracket	83060634
☐	VPL Dual installation bracket	83060635
☐	VP Extension cable	83062051
☐	VP Connector End cap	83062056
☐	SGM Network Admin	
☐	VP Power + Data Joiner	83062046
☐	VPL Smoked clear lens	83061079
☐	GND/Earth wire for VPL, 1m	83062050
☐	VPL Opal / Black lens	83061083
☐	VP Processor	80070238
☐	VPL Smoked Frosted lens	83061087
☐	VPL Rounded Smoked Opal lens	83061091
☐	VP Extension cable, 1m	
☐	VP Extension cable, 2.5m	
☐	VP Extension cable, 5m	
☐	VP Custom Extension cable Kit, 1m	
☐	VP Custom Extension cable Kit, 10m	
☐		



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