



VPL 1220-20

LED Video Pixel Linear



Description

The VPL 1220-20 is a video pixel linear designed to create powerful pixel mapping and media effects. It is a powerful and versatile tool for linear and radial installations where high-visibility and a very flexible setup are essential. This easily integrated fixture is suitable for a wide range of applications, including media façades, touring concerts, stadiums, theme parks or just about any fixed or temporary tight space installation. The VPL series are available in different lengths with multiple accessories like Opal lenses, brackets, and extension cables.

Features and benefits

- ✓ IP66-rated Video Pixel Linear luminaire
- ✓ Up to 65 fixtures (79 meters) on a single circuit
- ✓ 19.05 mm pixel pitch and 120° viewing angle
- ✓ 64 Quad Full-Color LED Pixel Clusters (256 Full-ColorLEDs per unit)
- ✓ IK05-rated, C-5M (marine), UV and corrosion resistant
- ✓ Power and data in one cable with no need for external power supplies
- ✓ 1212 millimeter length per luminaire with integrated power supply
- ✓ 16 bit control, Real time remote monitoring, Auto addressing

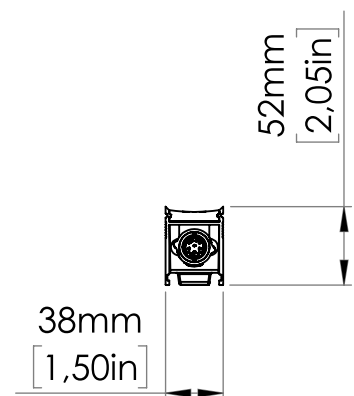
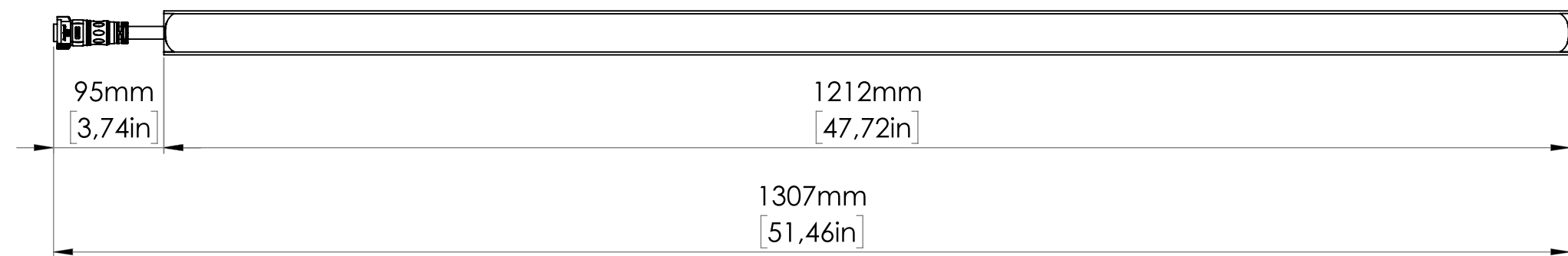
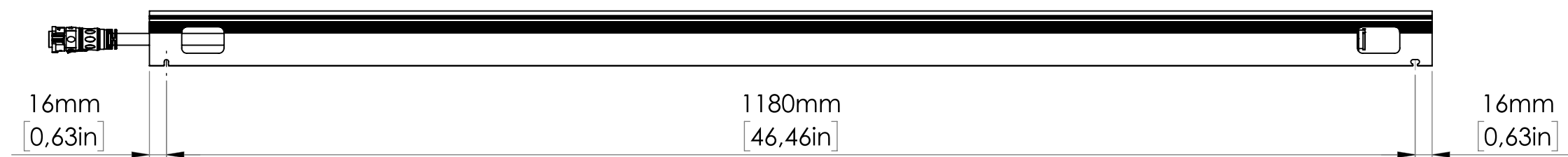
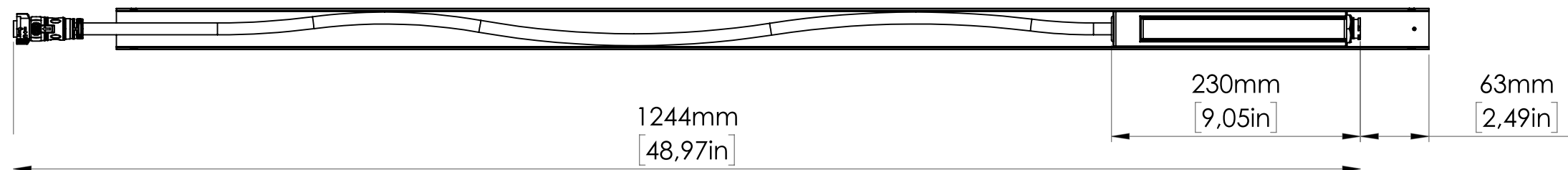
Certifications & classifications

IP66

RoHS

CE





Specification

Optical Data	LED expected lifetime	50,000 hours
	Lens	Clear 120°
	Lightsource	256 x high-power RGB LEDs
	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
	Luminance	8400 nits (modular spacing 38mm) 8400 Nits (cd/m2)
	Luminance efficacy	10.14 Nits/W
Physical	Color options	Black - RAL 9004 AluGrey
	Corrosion class	C5-M (ISO 12944)
	IK Rating	IK05
	IP class	IP66
	Material	Aluminium
	Net dimensions	1212 x 52 x 38 mm
	Net dimensions inches	47.8 x 2 x 1.5 inches
	Net weight	1.6 kg (3.5 lbs)
Features	Addressable pixels	64
	Auto addressing	Yes
	Calibration	Full color calibration White calibration
	Dimming	Electronic
	On-fixture test	Yes
	Other	Can be linked up to 79 meters / 65 units
	Remote monitoring	Yes (Real Time)
	View angle	120°
Electrical	AC Power, nominal	200 - 240V 50/60Hz
	Electrical Protection	Overload protection with automatic recover
	Max Inrush Current	1.9 A
	Max power consumption	35 W
	Power factor	0.98 PF (230 V) PF (230V)

	Power per meter	29 W/m
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	2.8 W
	Typical power consumption	35 W
Programming and Control	16-bit control	Red, Green, Blue
	Data communication	100 Mb
	Data distribution	SGM VP Processor SGM Power and Data Joiner
	DMX channels	3, 6, 12, 24, 48, 96, 192 or 384
	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
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

RoHS2 Directive

EN 60598-2-17
EN 62471
EN 60529
EN 62368-1
2011/65/EU

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
☐	VPL1220-20, AG	80080053
☐	VPL1220-20, BL	80080058
☐		
Accessories		Item number
☐	VP Processor	80070238
☐	VPL Touring bracket	83060633
☐	VPL Opal lens	83061075
☐	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
☐	VP Administrator	
☐	VP Power + Data Joiner	83062046
☐		



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