



P-3 Vision

DualSource Direct View & Wash Light



Description

The P-3 Vision is the first fixture released in the new 3 series platform of SGM Light fixtures. Incorporating a 42mm pitch LED matrix and a >12,700 lumen illumination LED engine on the same surface, this compact powerhouse can be arrayed in grids, used in LED screen borders, arranged in LED extensions, or used as stage outlines. All the while providing an extended canvas for video, and a punchy color strobe in one.

Features and benefits

Incorporating a direct view LED pixel grid together with a top-quality illumination LED engine, the P-3 Vision® is a game-changer in entertainment lighting. With these two LED engines in one viewing plane, designers can reproduce pixel content and provide illumination in ways never before possible. P-3 Vision is a new type of lighting solution and a building block for creating exciting lighting effects and video content in ways never seen before.

Certifications & classifications

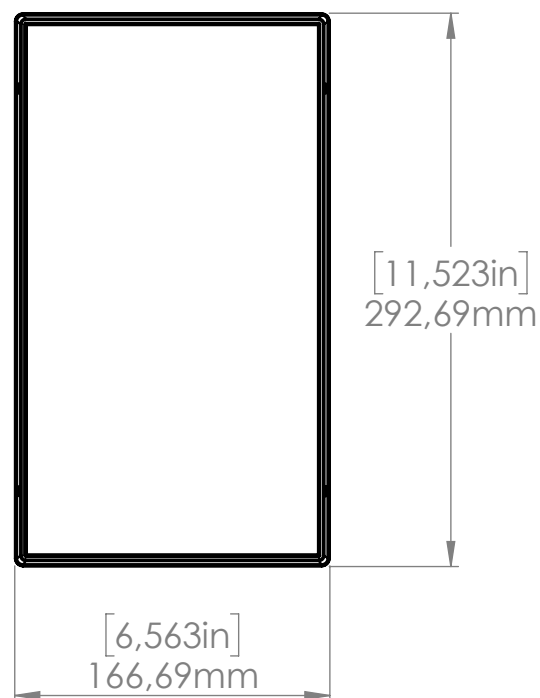
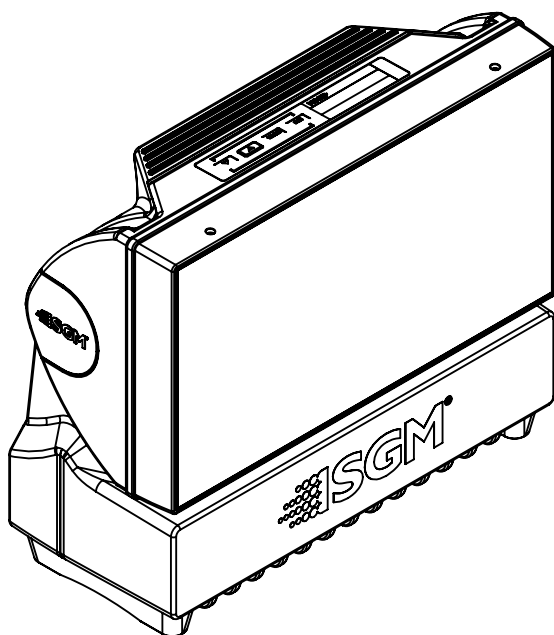
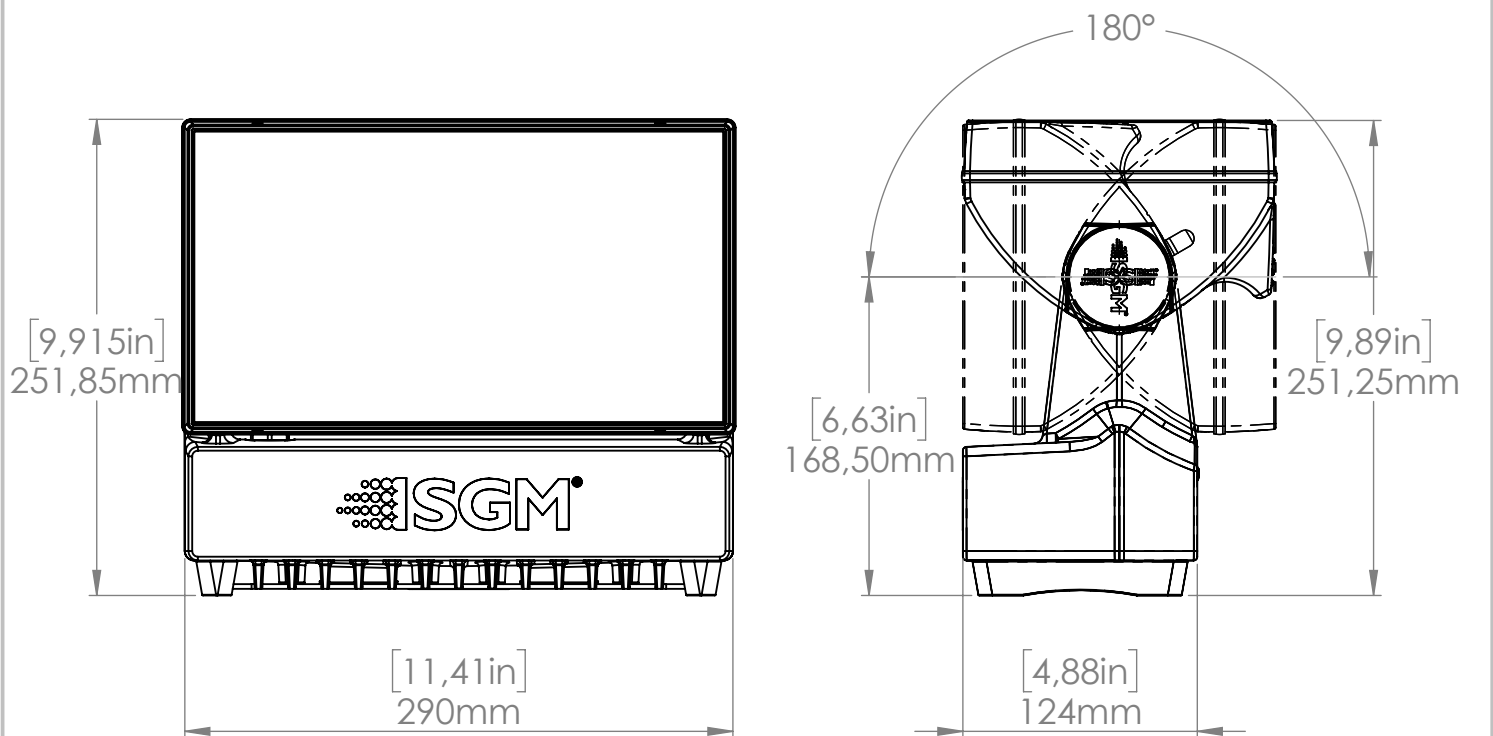
IP66
INGRESS

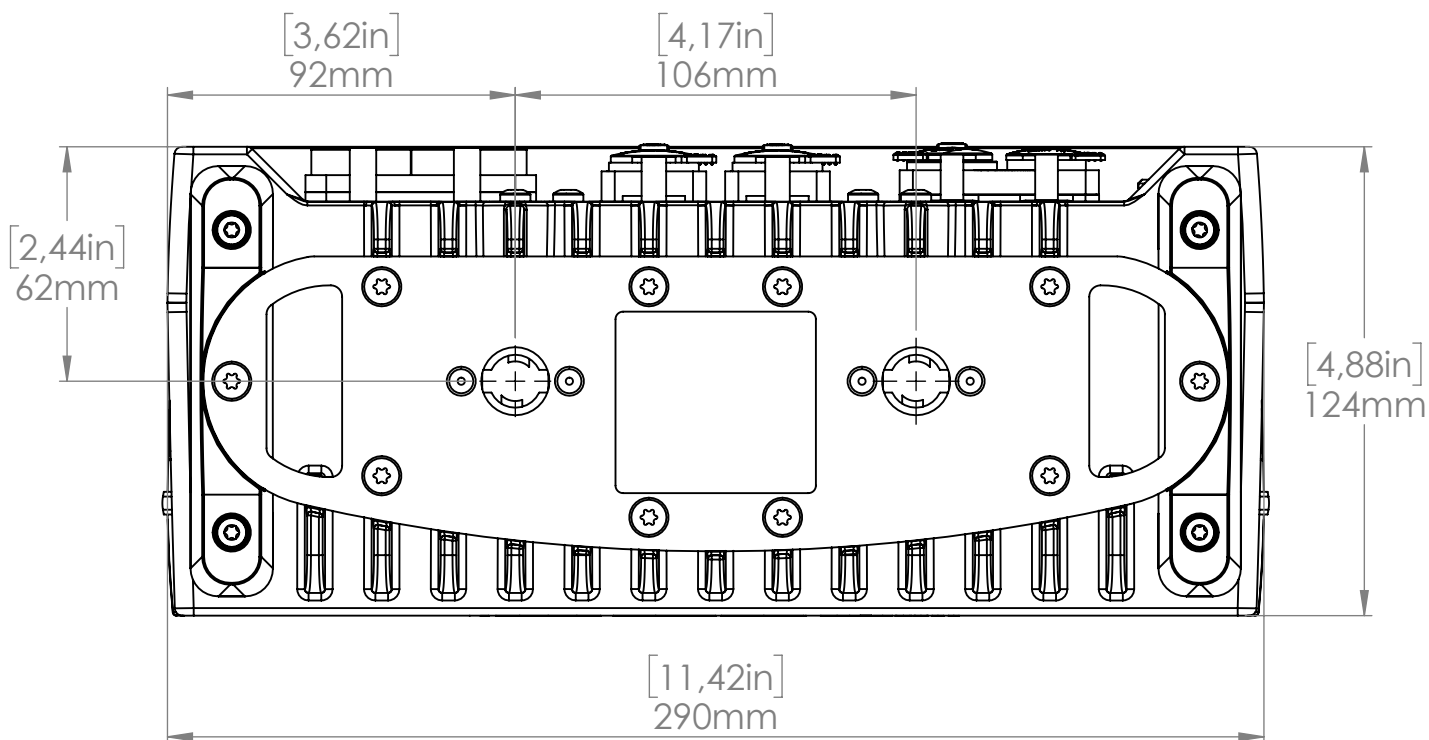
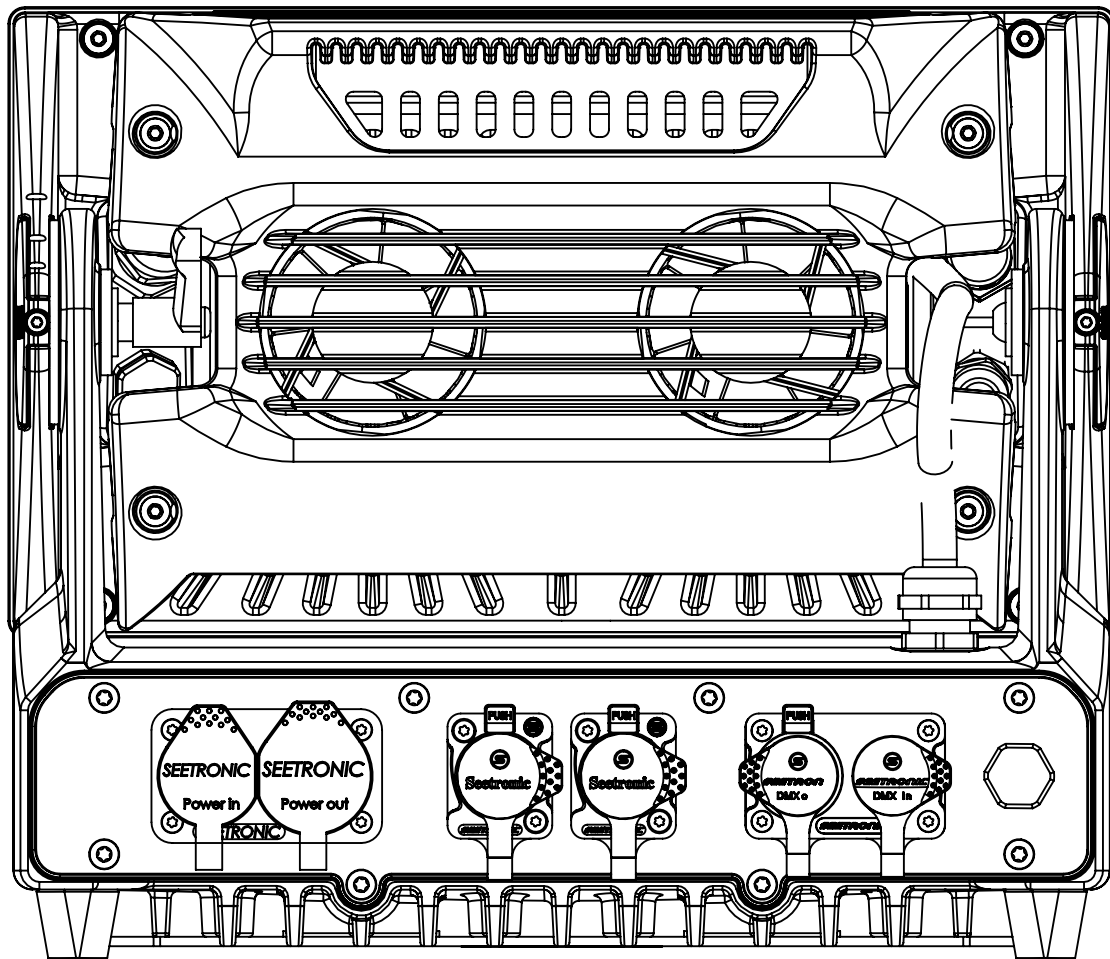
C5
CORROSION

IK09
IMPACT

UV
RESISTANT

RoHS
COMPLIANT





Specification

Optical Data	LED expected lifetime (L70)	50,000 hours
	Lightsource	28 x RGB Clusters (112 total RGB LEDs) 18 x 15W RGBW LEDs
	Pixel size	6 x 6 mm Quad LED Pixel Clusters
Photometric	Native beam angle(s)	10° (with 10° lens) 25° (with 25° lens) 35° (with 35° lens)
	Preliminary light output all LEDs on	12700 lm
Physical	Color options	Black - RAL 9004 White - RAL 9010
	Corrosion class	C5 (ISO 12944:2018)
	IK rating	IK09
	IP class	IP66
	Lens material	Tempered glass front
	Material	Aluminium PC/ASA Steel
	Net dimensions L x H x W	290 x 252 x 124 mm
	Net dimensions L x H x W (inches)	11.4 x 9.9 x 4.9 inches
	Net weight	8.3 kg (18.3 lbs)
	Vibration Rating	3G
Features	Addressable pixels	3 (Wash) + 28 (Vision)
	Color calibration	SGM proprietary with Dynamic Drive
	Dehumidifier	Head
	Remote monitoring	Yes (Real Time)
	Tilt locking system	Locking system with angle indicator
	View angle	110°

Electrical	Electrical protection	Overload protection with automatic recover
	Input voltage, nominal	115 - 277 VAC; 50 / 60 Hz
	Max inrush current 230VAC	60 A
	Max power consumption	360 W
	Max power thru @ 100 V	16 A
	Max power thru @ 230 V	14 A
	Power factor	0.99 PF (230 V)
	Power Supply Unit	High-efficiency electronic switch-mode
	Standby power consumption	6 W
Programming and Control	16-bit control	Dimmer, Red, Green, Blue, White, Pixels
	Cabled DMX	5 pin XLR input/output
	Data communication	100 Mb
	DMX channels	7 - 128
	DMX modes	9
	Protocol	CRMX, W-DMX™ G2, W-DMX™ G3, W-DMX™ G4, W-DMX™ G4S USITT DMX512A RDM ANSI E1.20 Art-Net (up to 120 Hz) sACN
	Setting and addressing	OLED graphical display / 4 buttons RDM ANSI E1.20
	Standalone mode	Quick Color
	Wireless DMX	Lumen Radio with RDM
Connections	DMX data in/out	IP66 XLR 5-pin connector, Female IP66 XLR 5-pin connector, Male
	Ethernet Connections	IP66 RJ45 Locking Chassis Mount Connections
	Power	Power input connector & link-thru

Installation	Mounting point	2 quarter-turn locking points for one Omega bracket
	Orientation	Any
	Safety features	Bottom mount for safety wire
Thermal	Cooling	Active, Forced Air, Temperature-regulated
	Humidity (max.)	98 %
	Temperature range, operating	-40°C to 50°C
	Temperature range, operating max	50 °C
	Temperature range, operating min	-40 °C
	Temperature range, start-up	-20°C to 50°C
	Temperature range, storage	-40°C to 80°C
	Total heat dissipation, max power	1228.3 BTU per hour
	Total heat dissipation, standby	20.5 BTU per hour
Included items	Included items	2 m IP66 power cable pigtail 1 Omega bracket with quarter-turn fasteners
Conforms To	CE - 2014/30/EU: EMC Directive	EN 55015
		EN 61547
		EN 61000-3-2
		EN 61000-3-3
		EN 55032
		EN 55035
	CE - 2014/35/EU: Low Voltage Directive	EN 60598-1
		EN 60598-2-17
		EN 62471
		EN 60529
	RoHS2 Directive	2011/65/EU
	UL	UL Std. 1573
Certified To	CSA	CSA-E598-2-17-98, Ed: 1 CSA E60598-1, Ed: 3

Ordering information

Qty	Product name	Item number
<input type="checkbox"/>	P-3 Vision, 25°, BL	80032001
<input type="checkbox"/>	P-3 Vision, 35°, BL	80032002
<input type="checkbox"/>	P-3 Vision, 10°, BL	80032000
<input type="checkbox"/>		
Accessories		Item number
<input type="checkbox"/>	Omega Bracket with 1/4-turn fasteners	83060602
<input type="checkbox"/>	Power cable with IP connector	07860275
<input type="checkbox"/>	SGM USB uploader cable	83062011
<input type="checkbox"/>	Filter Frame for P-3 (Empty)	83061197
<input type="checkbox"/>	Filter Frame for P-3 (Set)	83061193
<input type="checkbox"/>	Arraying Bracket for P-3 Vision	83061196
<input type="checkbox"/>	4-Way Barndoors for P-3	83061194
<input type="checkbox"/>		



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