



# 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

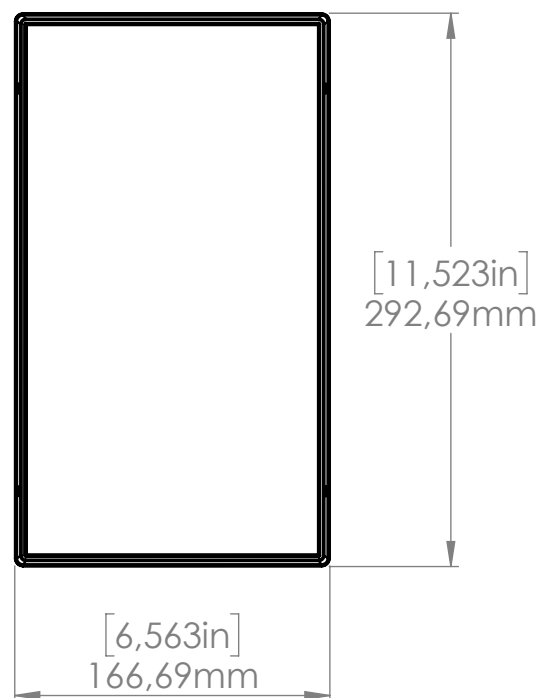
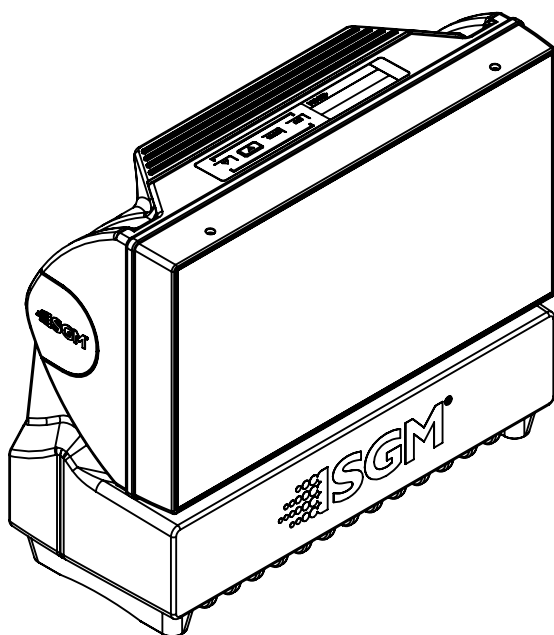
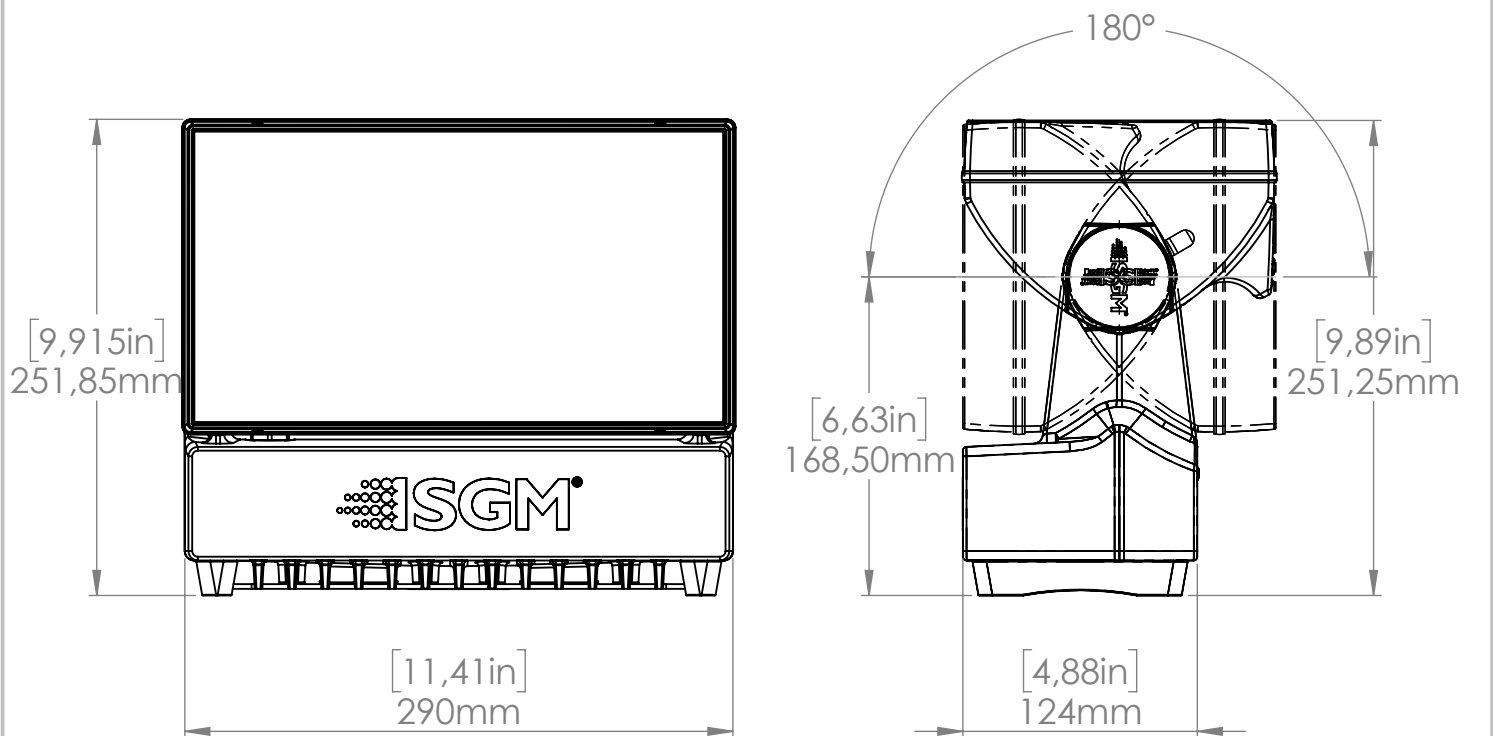
**IP66**  
INGRESS

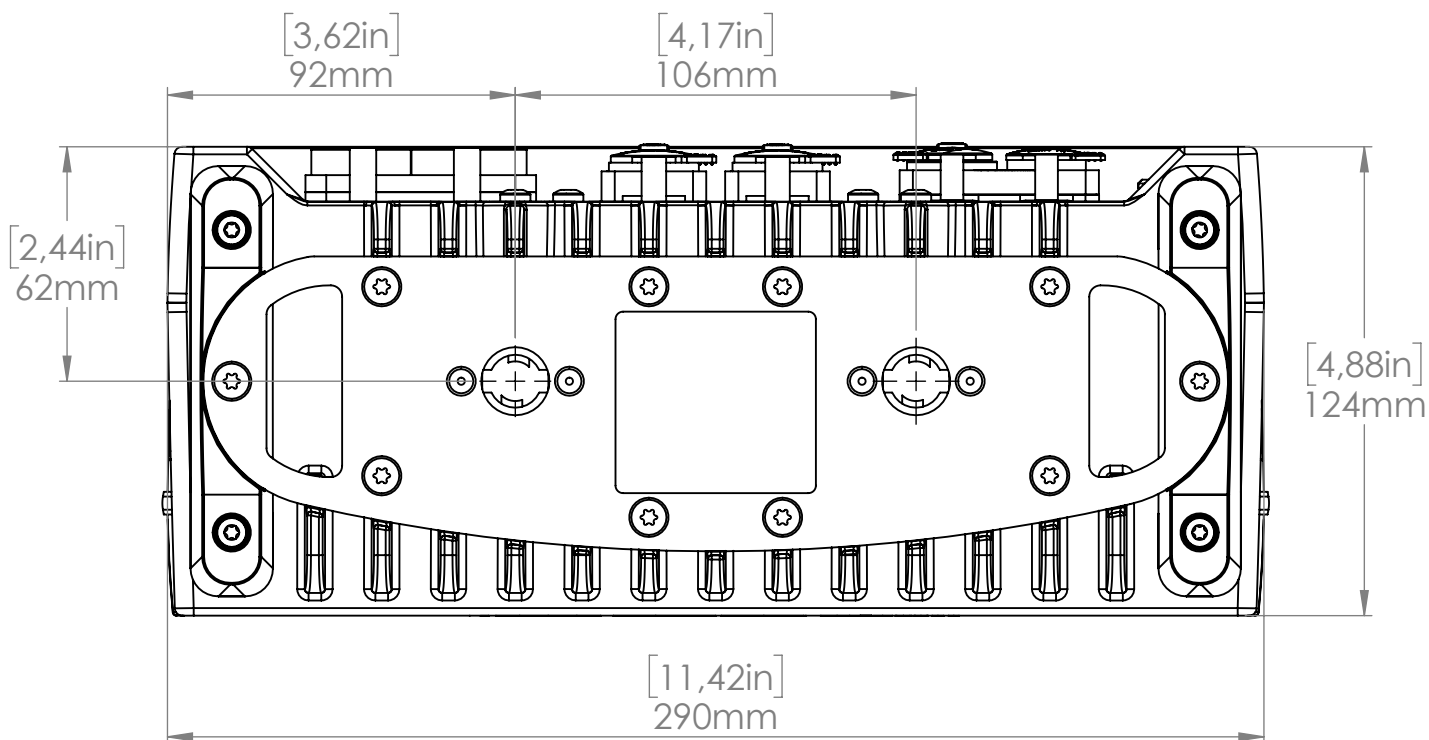
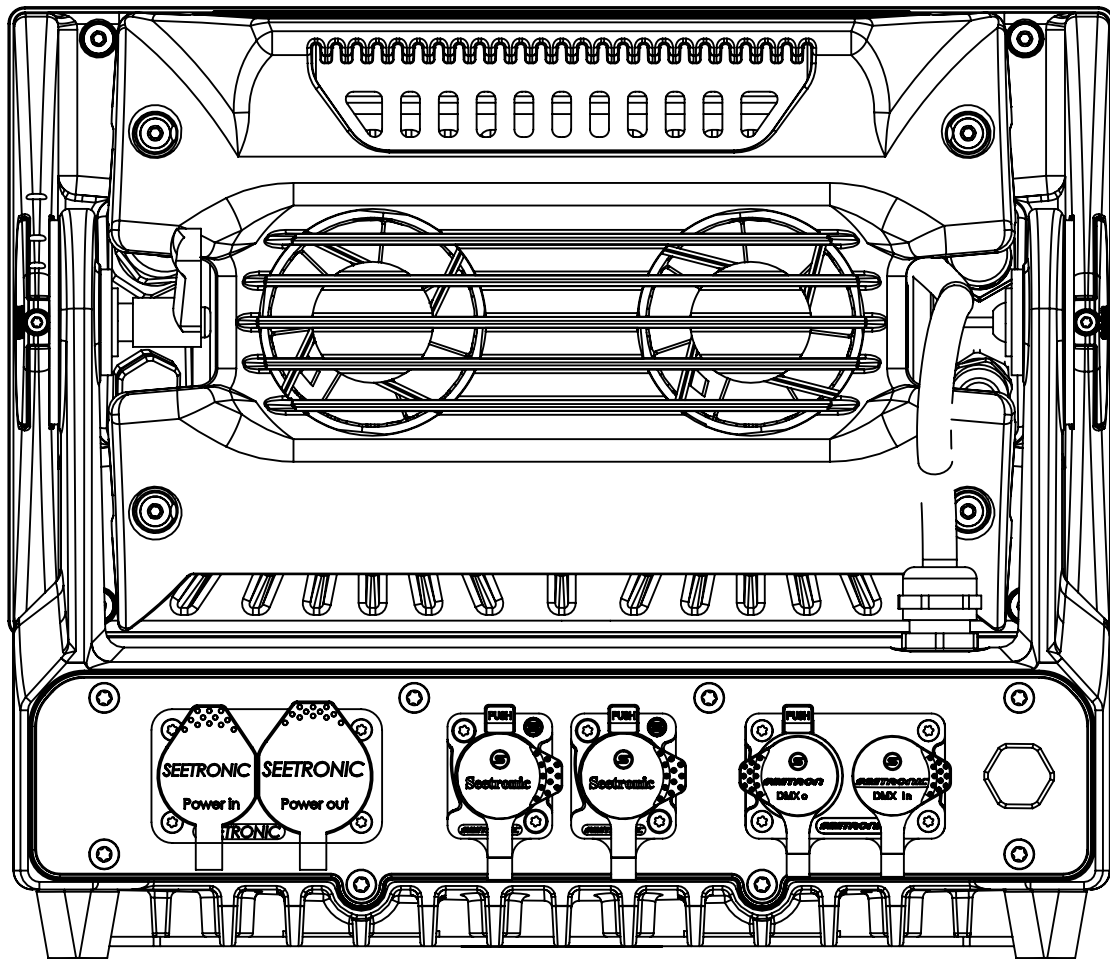
**C5**  
CORROSION

**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)<br>18 x 15W RGBW LEDs      |
|              | Pixel size                           | 6 x 6 mm Quad LED Pixel Clusters                                  |
| Photometric  | Native beam angle(s)                 | 10° (with 10° lens)<br>25° (with 25° lens)<br>35° (with 35° lens) |
|              | Preliminary light output all LEDs on | 12700 lm                                                          |
| Physical     | Color options                        | Black - RAL 9004<br>White - RAL 9010                              |
|              | Corrosion class                      | C5 (ISO 12944:2018)                                               |
|              | IK rating                            | IK09                                                              |
|              | IP class                             | IP66                                                              |
|              | Lens material                        | Tempered glass front                                              |
|              | Material                             | Aluminium<br>PC/ASA<br>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°                                                              |

|                                |                           |                                                                                                                        |
|--------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Electrical</b>              | 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                                                                                                                    |
| <b>Programming and Control</b> | 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<br>USITT DMX512A<br>RDM ANSI E1.20<br>Art-Net (up to 120 Hz)<br>sACN |
|                                | Setting and addressing    | OLED graphical display / 4 buttons<br>RDM ANSI E1.20                                                                   |
|                                | Standalone mode           | Quick Color                                                                                                            |
|                                | Wireless DMX              | Lumen Radio with RDM                                                                                                   |
| <b>Connections</b>             | DMX data in/out           | IP66 XLR 5-pin connector, Female<br>IP66 XLR 5-pin connector, Male                                                     |
|                                | Ethernet Connections      | IP66 RJ45 Locking Chassis Mount Connections                                                                            |
|                                | Power                     | Power input connector & link-thru                                                                                      |

|                       |                                        |                                                                             |
|-----------------------|----------------------------------------|-----------------------------------------------------------------------------|
| <b>Installation</b>   | Mounting point                         | 2 quarter-turn locking points for one Omega bracket                         |
|                       | Orientation                            | Any                                                                         |
|                       | Safety features                        | Bottom mount for safety wire                                                |
| <b>Thermal</b>        | 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                                                           |
| <b>Included items</b> | Included items                         | 2 m IP66 power cable pigtail<br>1 Omega bracket with quarter-turn fasteners |
| <b>Conforms To</b>    | 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                                                                |
| <b>Certified To</b>   | CSA                                    | CSA-E598-2-17-98, Ed: 1<br>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"/> |                                       |             |



Headquarter [+45 70 20 74 00](tel:+4570207400)

Mail [info@sgmlighting.com](mailto:info@sgmlighting.com)

Website [sgmlight.com](http://sgmlight.com)