



Quantity:



# ProPoint<sup>™</sup> RGBW 120W Wall Washer

Date:

Company: Project:

The ProPoint RGBW 120W Wall Washer is an AC line powered, high brightness luminaire. The luminaire is controllable via DMX512. The system is connected using a daisy chain topology, allowing easy installation to form long run lengths. Remote Device Management (RDM) circuits are built into each luminaire that enables extensive control and monitoring of the entire installation.

### **Product Specifications**

Light Source	4-in-1 LED cluster × 18		
Color Range	RGBW (White CCT - 4000K)		
Beam Angles	8°, 15°, 25°, 35°		
Luminous Flux	4560		
Efficacy	38 lm/W		
Lumen Maintenance	L <sub>70</sub> @ 25°C 81,000 hours		
Cover-Lens	(8mm) .31" Glass		
Housing	Die Cast Aluminum		
Adjustment Options	50° Forward, 80° Backward		
Size	315mm x 288mm x 433mm (12.4"x11.4"x17.1")		
Weight	14 kgs (30.9 lbs.)		
Regulatory/Product Certifications	ETL, FCC, RoHS, ASTM B117-16, ANSI 3G, IK09		
Operating Temperature	-30°C to +50°C (-22°F to +122°F)		
Minimum Starting Temperature	-20°C (-4°F)		
Storage Temperature	-40°C to +80°C (-40°F to +158°F)		
Environment	IP66 Outdoor, Coastal Rated		
Humidity	85%, non-condensing		

### **Electrical Specifications**

Input Voltage <sup>1</sup> 120-277Vac 50/60Hz		
Power Consumption	120W	
Power Factor	≥ 0.9	

### System Specifications

Power	AC Line
Control	DMX 512, RDM Enabled
Power Supply	Integrated

1. Auto-switching. Single phase (line, neutral and ground).

LED CHAPACTERISTICS: Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers "sort" LEDs into bins according to different preset parameters, such as forward driving voltage, illumination, etc. Whereas binning is a sorting function, it is not a correction process. Inherent variability in the manufacturing process always results in different binning distributions according to different production lots. Traxon uses automatically binned LEDs on its products, thereby minimizing output variations within the model range.

As with all electronic devices, LED output degrades over time – a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degrade is a complicated function involving many factors, such as operating difficiency, duration of continuous operation and, more significantly, environmental conditions (embient temporature for example). If allower, working under optimal operating temporature areage and with good ventitian, LED devices enjoy on genvice lives over conventional light sources. When using/instaling LED devices, care should be taken to ensure that the devices will operate within the operating conditions specified in respective product literature.

Lumen measurement complies with LM-79-08 standard. Lumen maintenance is calculated based on LM-80 compliant measurement.

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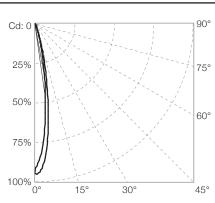
# Photometrics

### Source Specifications

LED Source	4-in-1 LED cluster × 18
Beam Angle	15°

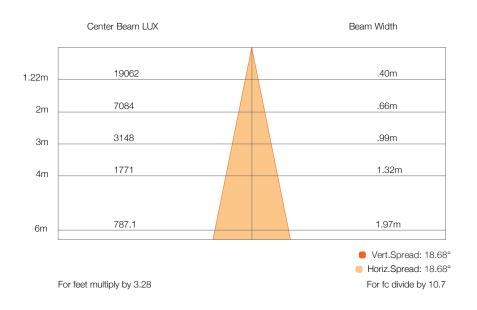
Light Output

# Candela Distribution



Color	Luminous Flux (Im)	Candela Distribution @100%	Efficacy Im/W
White (full on)	4560	28348	38.23
White (RGB off)	2723	16919	40.36
RGB	2163	13091	37.17
Red	582.5	3385	41.58
Green	1571	9577	50.93
Blue	123.4	754.2	8.24

## Illuminance at a Distance



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System Diagram

- ProPoint fixtures ship with two cable whips: One cable whip for power input consisting of two wires plus a ground and one cable whip for DMX512 RDM input/output. No more than (32) fixtures on a single DMX512 link, max 300m total (source to last fixture). Ħ Ηľ ProPoint Wall Washer (Last fixture in line) roPoint Wall W ProPoint W Ø Data cabling from DMX source to first \_ 120-277Va tion box fixture and between subsequent ProPoint (2 Wire + Ground (By others) ď fixtures shall be Cat5e UTP or higher a junction box (stranded type only) or other cable type suitable for DMX communication. Consult DMX512/RDM (1 x twisted pair DMX standard for additional guidance. fixture whip fixture whip Each DMX512 link must be properly terminated to DMX (+) DMX (-) prevent signal reflections. Resistor 45 From power source/ previous fixture To next fixture rom previous fixture rom DMX transmitter/ previous fixture To next fixture

#### **General Notes**

- All data cabling must adhere to ANSI E1.11-2008 (R2013) Entertainment Technology – USITT DMX512-A, Asynchronous Serial Digital Data Transmission Standard for Controlling Lighting Equipment and Accessories.
- Fixture is RDM capable.
- Fixtures allow a universal input of 120Vac to 277Vac.
- Data termination shall utilize cage clamp terminal blocks, or equivalent.
  Wire nuts are not permissible and will void warranty.
- The method of line voltage termination, both for data and power, is at the discretion of the installing contractor, and or engineer. Splicing and/or joining of cables must adhere to all applicable electrical codes.
- Cables must be spliced/joined in a weatherproof enclosure/junction box, which is to be properly rated and provided by others.

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# Ordering

### Model Number

PP	. W2	. 9	4	4	1	х	х
ProPoint	Washer	Control	Channels	CCT	Cover Lens	Optic	Finish
		9: DMX	4: RGBW	4: 4000K	Clear	1:8°	1: Gray
						2: 15°	2: Black
						3: 25°	3: White
						4: 35°	





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