TRAXON

Project: _____

Type: _____

ProPoint™ SW 20W Wall Washer

The ProPoint SW 20W 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	12 LED
Color Range	4000K/3000K
Beam Angles	15°, 25°, 35°
Luminous Flux	4000K -1340 / 3000K - 1240
Efficacy	4000K - 67lm/W / 3000K - 62lm/W
Lumen Maintenance	L_{70} @ 25°C 81,000 hours
Cover-Lens	(10mm) .39" Glass
Housing	Die Cast Aluminum
Adjustment Options	50° Forward, 80° Backward
Size	161mm x 130mm x 197mm (6.4"x5.2"x7.8")
Weight	2.0 kgs (4.4 lbs.)
Regulatory/Product Certifications	ETL, FCC, RoHS, ASTM B117-16, ANSI 3G, IK10
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[1]	120-277V$_{AC}$ 50/60Hz
Power Consumption	20W
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 CHARACTERISTICS: 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 efficiency, duration of continuous operation and, more significantly, environmental conditions (ambient temperature for example). If allowed, working under optimal operating temperature range and with good ventilation, LED devices enjoy long service lives over conventional light sources. When using/installing 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.
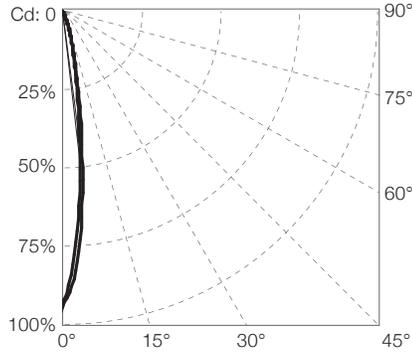Lumen maintenance is calculated based on LM-80 compliant measurement.

TRAXON

www.traxon-ecue.com

TRAXON

ProPoint™ SW 20W Wall Washer
Photometrics

Source Specifications

LED Source	White
Beam Angle	15°

Candela Distribution

Light Output

Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy lm/W
4000K	1340	8352	82.96

Illuminance at a Distance

	Center Beam LUX	Beam Width
1.29m	5608	.38m
2m	2084	.62m
3m	926.3	.93m
4m	521	1.24m
6m	231.6	1.86m
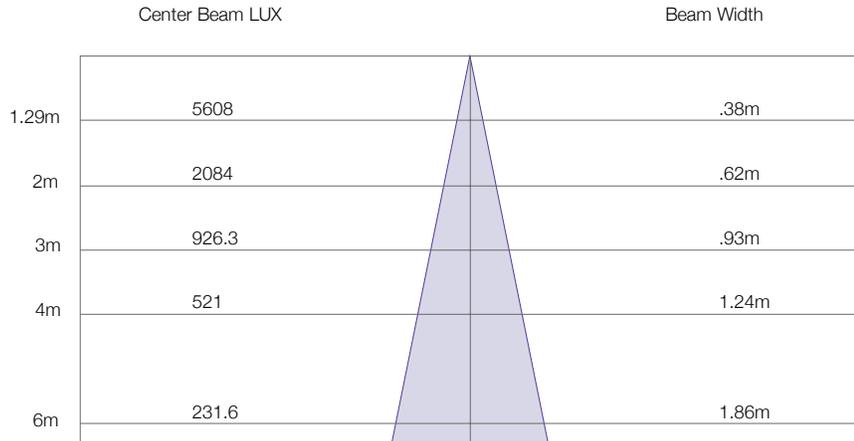
● Vert.Spread: 17.6°
● Horiz.Spread: 17.6°

For feet multiply by 3.28

For fc divide by 10.7

www.traxon-ecue.com

TRAXON

ProPoint™ SW 20W Wall Washer   Photometrics

Source Specifications

LED Source	White
Beam Angle	15°

Candela Distribution

Light Output

Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy lm/W
3000K	1240	7980	76.70

Illuminance at a Distance

	Center Beam LUX		Beam Width
1.29m	5369		.37m
2m	1995		.60m
3m	886.7		.91m
4m	498.8		1.22m
6m	221.7		1.83m
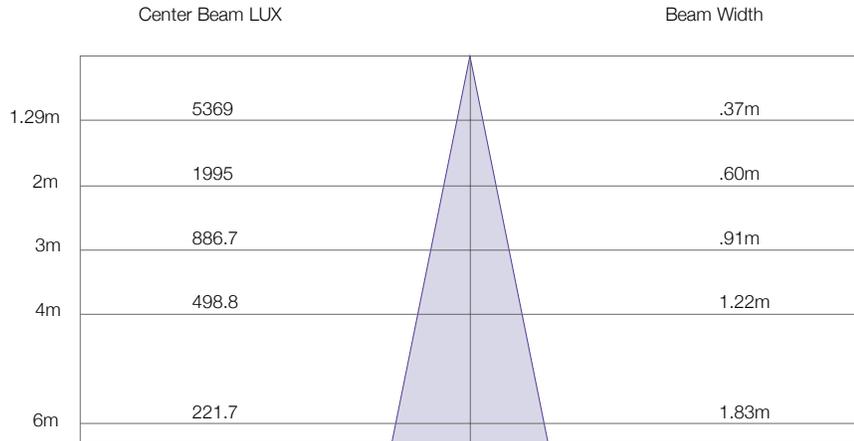
● Vert.Spread: 17.3°
● Horiz.Spread: 17.3°

For feet multiply by 3.28   For fc divide by 10.7

— 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.

ProPoint Wall Washer

ProPoint Wall Washer

ProPoint Wall Washer
(Last fixture in line)

120-277V_{AC}
(2 Wire + Ground)

Line voltage junction box
(By others)

Data junction box
(By others)

DMX512/RDM
(1 x twisted pair
+ 1 shield/common)

fixture
whip

AC L
AC N

From power source/
previous fixture

To next fixture

fixture
whip

DMX IN   DMX OUT

DMX (+)
DMX (-)
DMX(Com)

DMX (+)
DMX (-)
DMX(Com)

Terminal Blocks
(Wago 221-412 or equivalent)

From DMX transmitter/
previous fixture

To next fixture

fixture
whip

DMX IN   DMX OUT

DMX (+)
DMX (-)
DMX(Com)

120 Ohm
Resistor

From previous fixture

— No more than (32) fixtures on a single DMX512 link, max 300m total (source to last fixture).

— Data cabling from DMX source to first fixture and between subsequent ProPoint fixtures shall be Cat5e UTP or higher (stranded type only) or other cable type suitable for DMX communication. Consult DMX standard for additional guidance.

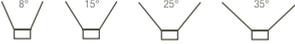— Each DMX512 link must be properly terminated to prevent signal reflections.

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 120V_{AC} to 277V_{AC}.

— 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.

TRAXON

ProPoint™ SW 20W Wall Washer	Technical Specifications / Options

	RGBW	DW	Static White
COLOR	RGBW	Neutral White / 2200K-6500K Dynamic White	4000K Neutral White / 3000K Warm White
BEAM ANGLE	8° 15° 25° 35°	15° 25° 35°	15° 25° 35°
ENVIRONMENT	IP66 / Suitable for Coastal Environment	IP66 / Suitable for Coastal Environment	IP66 / Suitable for Coastal Environment
CERTIFICATIONS	CE, cETLus, FCC, RoHS, ANSI 3G	CE, cETLus, FCC, RoHS, ANSI 3G	CE, cETLus, FCC, RoHS, ANSI 3G

TECHNICAL SPECIFICATIONS

POWER CONSUMPTION	IMPACT RATING	LUMINOUS FLUX	EFFICACY	LUMINOUS FLUX	EFFICACY	LUMINOUS FLUX	EFFICACY
180W	IK09	7100	40lm/W	7350	40lm/W	13380/12375	74lm/W - 68lm/W
120W	IK09	4560	38lm/W	5250	43lm/W	9200/8650	76lm/W - 72lm/W
80W	IK09	2980	37lm/W	3670	44lm/W	6075/5440	75lm/W - 68lm/W
40W	IK10	1330	33lm/W	1640	41lm/W	2670/2540	66lm/W - 63lm/W
20W	IK10	725	36lm/W	825	41lm/W	1340/1240	67lm/W - 62lm/W
INPUT VOLTAGE		120-277Vac 50/60Hz		120-277Vac 50/60Hz		120-277Vac 50/60Hz	
OPERATING TEMPERATURE		-30°C to +50°C / -22°F to +122°F		-30°C to +50°C / -22°F to +122°F		-30°C to +50°C / -22°F to +122°F	
POWER FACTOR		≥ 0.9		≥ 0.9		≥ 0.9	
CONTROL		DMX512, RDM Enabled		DMX512, RDM Enabled		DMX512, RDM Enabled	

180W and 120W

80W

40W

20W

TRAXON
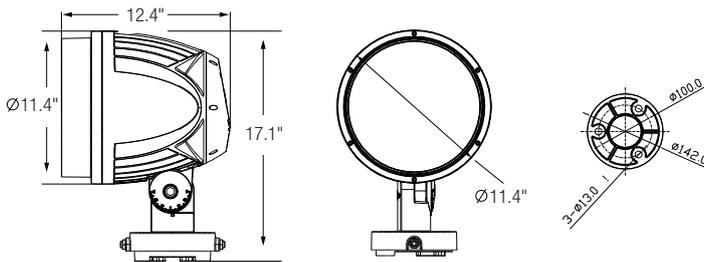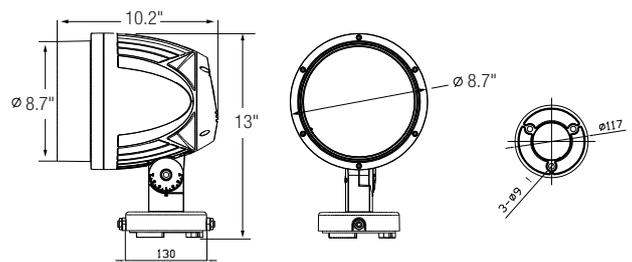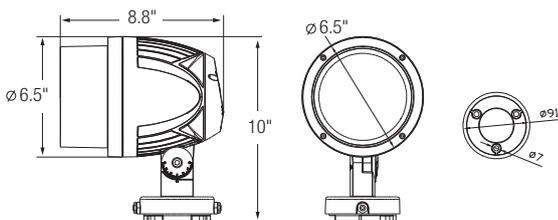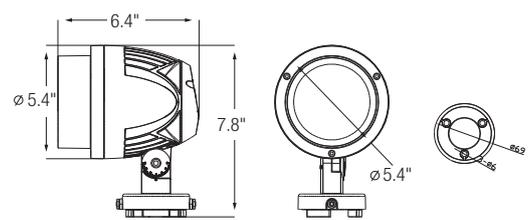
Model Number

PP	.	W5	.	9	1	X	1	X	X

ProPoint	Washer	Control	Channels	CCT	Cover Lens	Optic	Finish
		9: DMX	1: SW	3: 3000K	Clear	2: 15°	1: Gray
				4: 4000K		3: 25°	2: Black
						4: 35°	3: White

Item Code	Description
AM226030055	ProPoint-S Wall Washer 20W 3000K 15°
AM226060055	ProPoint-S Wall Washer 20W 3000K 25°
AM226070055	ProPoint-S Wall Washer 20W 3000K 35°
AM226290055	ProPoint-S Wall Washer 20W 4000K 15°
AM226320055	ProPoint-S Wall Washer 20W 4000K 25°
AM226330055	ProPoint-S Wall Washer 20W 4000K 35°
AM201970055	ProPoint-S Wall Washer 20W DW 15°
AM226430055	ProPoint-S Wall Washer 20W DW 25°
AM226440055	ProPoint-S Wall Washer 20W DW 35°
AM225120055	ProPoint-S Wall Washer 20W RGBW 8°
AM201960055	ProPoint-S Wall Washer 20W RGBW 15°
AM225140055	ProPoint-S Wall Washer 20W RGBW 25°
AM225150055	ProPoint-S Wall Washer 20W RGBW 35°