



## Washer Quattro AC XB DW

The Washer Quattro AC XB DW is an AC line powered, high brightness luminaire. The luminaire is controllable via DMX512 with auto-addressing for easy configuration. 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 lighting installation.



### Product Specifications

Light Source	4-in-1 LED cluster × 18
Color Range	DW (2700K - 6500K)
Beam Angle	13°, 30°, 40°, 60°
Luminous Flux	4975 lm (13°)
Efficacy	62 lm/W
Lumen Maintenance	L70 @25°C - 80,000hrs
Cover Lens	Tempered glass cover
Housing	Aluminium
Adjustment Options	360° horizontal, 220° vertical
Size (W × H × D)	291mm × 291mm × 218mm 11.5" × 11.5" × 8.6"
Weight	8.3kg / 18.3lbs
Regulatory Listing & Safety Approval	CE, cETLus
Operating Temperature	-30°C to +50°C / -22°F to +122°F (-20°C / -4°F starting)
Storage Temperature	-40°C to +70°C / -40°F to +158°F
Environment	Outdoor (IP66)
Humidity	85%, non-condensing

### Electrical Specifications

Input Voltage <sup>1</sup>	100-277V AC 50/60Hz
Power Consumption	85W
Power Factor	≥ 0.9

### System Specifications

Power	AC line
Control	DMX512 with auto-addressing, Remote Device Management (RDM)
Power Supply	Built-in

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 results always 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 complicate function of 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.

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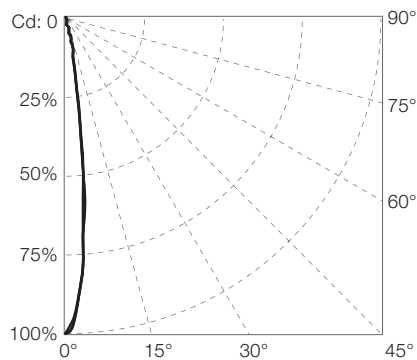
## Washer Quattro AC XB DW

## Photometrics

### Source Specifications

LED Source	4-in-1 LED clusters
Beam Angle	13°

### Candela Distribution



### Light Output

Color	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
White (full on)	4975.47	54346.56	62.11
Cold White	2937.76	32608.8	68.05
Warm White	2118.88	23826.6	49.20

### Illuminance at a Distance

	Center Beam LUX	Beam Width	V	H
2m	13586.64	0.5m	0.5m	0.5m
4m	3396.66	1.0m	0.9m	0.9m
6m	1509.63	1.4m	1.4m	1.4m
8m	849.17	1.9m	1.9m	1.9m
10m	543.47	2.4m	2.4m	2.4m
12m	377.41	2.9m	2.8m	2.8m

● Vert.Spread: 13.7°

● Horiz.Spread: 13.4°

For feet multiply by 3.28

For fc divide by 10.7

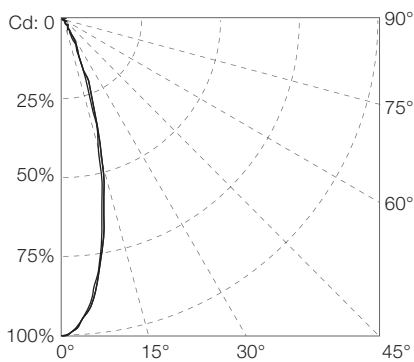
# Washer Quattro AC XB DW

# Photometrics

## Source Specifications

LED Source	4-in-1 LED clusters
Beam Angle	30°

## Candela Distribution



## Light Output

Color	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
White (full on)	4532.37	12825.81	56.58
Cold White	2677.34	7523.71	62.02
Warm White	1927.34	5443.72	44.75

## Illuminance at a Distance

	Center Beam LUX	Beam Width	
		V	H
2m	3206.45	1.1m	1.0m
4m	801.61	2.2m	2.1m
6m	356.27	3.3m	3.1m
8m	200.40	4.3m	4.1m
10m	128.26	5.4m	5.1m
12m	89.07	6.5m	6.2m

● Vert.Spread: 28.9°  
● Horiz.Spread: 30.4°  
For fc divide by 10.7

For feet multiply by 3.28

Washer Quattro AC XB DW

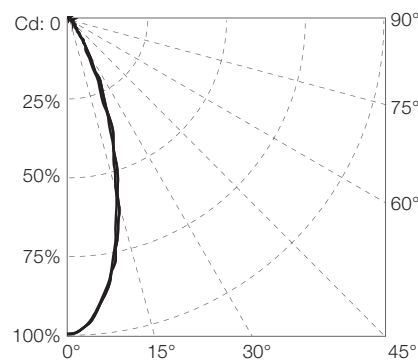
Photometrics

Source Specifications

LED Source	4-in-1 LED clusters
Beam Angle	40°

Candela Distribution

Light Output



Color	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
White (full on)	4481.35	9190.68	55.94
Cold White	2647.82	5383.92	61.33
Warm White	1906.51	3905.88	44.27

Illuminance at a Distance

	Center Beam LUX	Beam Width	
		V	H
2m	2297.67	1.3m	1.3m
4m	574.42	2.7m	2.5m
6m	255.30	4.0m	3.8m
8m	143.60	5.3m	5.0m
10m	91.91	6.6m	6.3m
12m	63.82	8.0m	7.6m

Vert.Spread: 36.8°

Horiz.Spread: 35.0°

For feet multiply by 3.28

For fc divide by 10.7

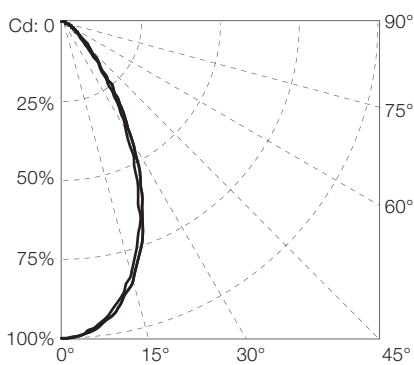
Washer Quattro AC XB DW

Photometrics

Source Specifications

LED Source	4-in-1 LED clusters
Beam Angle	60°

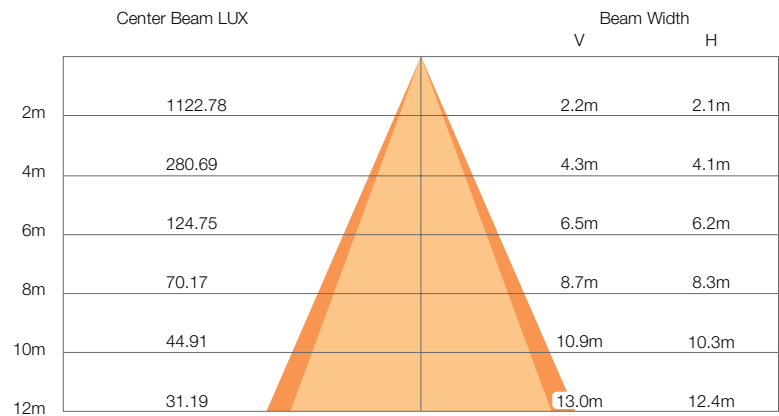
Candela Distribution



Light Output

Color	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
White (full on)	4432.37	4492.98	55.33
Cold White	2614.84	2636.15	60.57
Warm White	1891.18	1910.08	43.91

Illuminance at a Distance

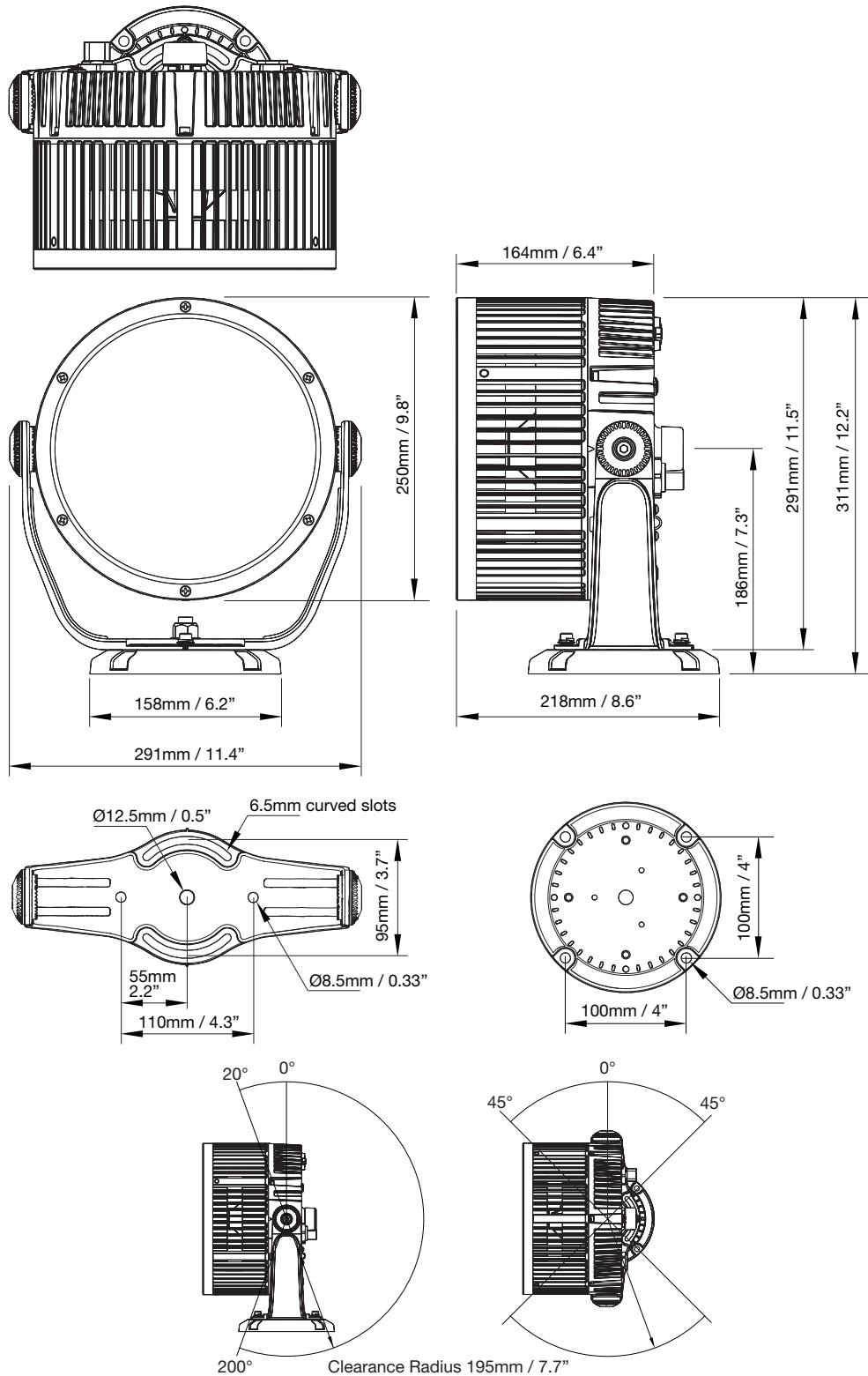


Vert.Spread: 57.0°

Horiz.Spread: 54.7°

For feet multiply by 3.28

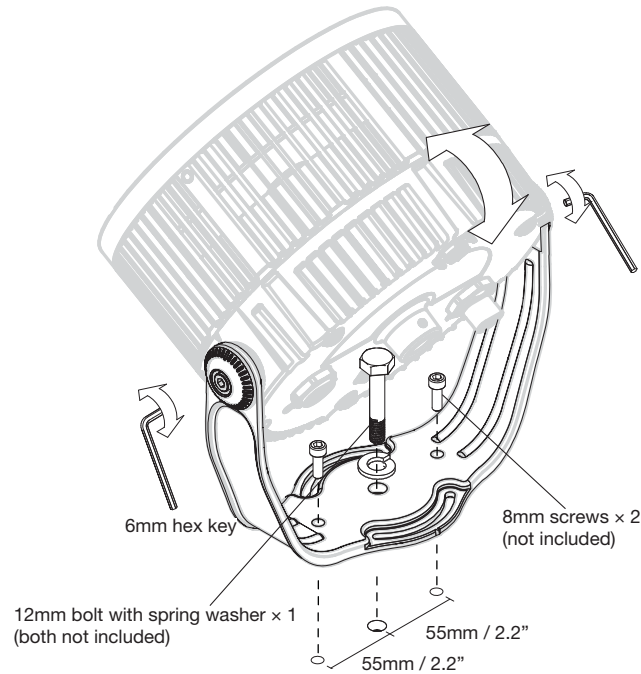
For fc divide by 10.7



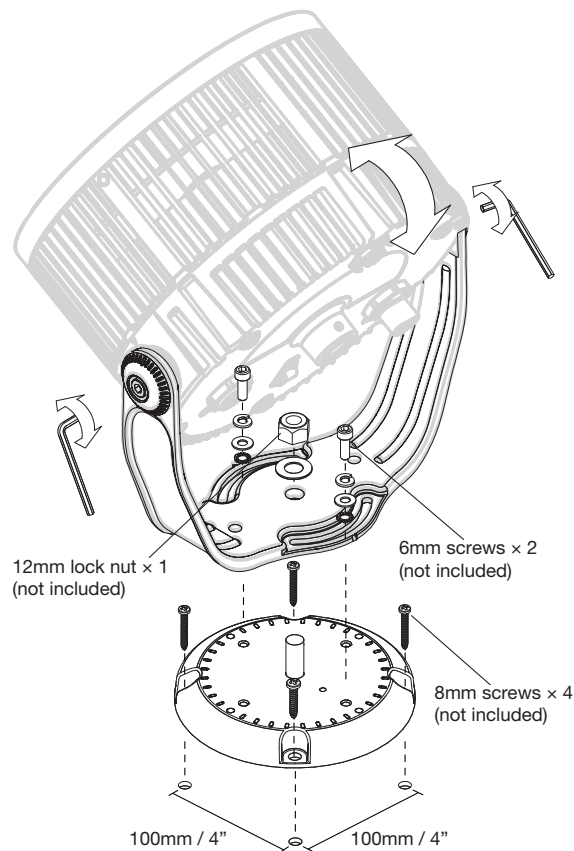
## Washer Quattro AC XB DW

## Mounting

Mounting without base



Mounting with base



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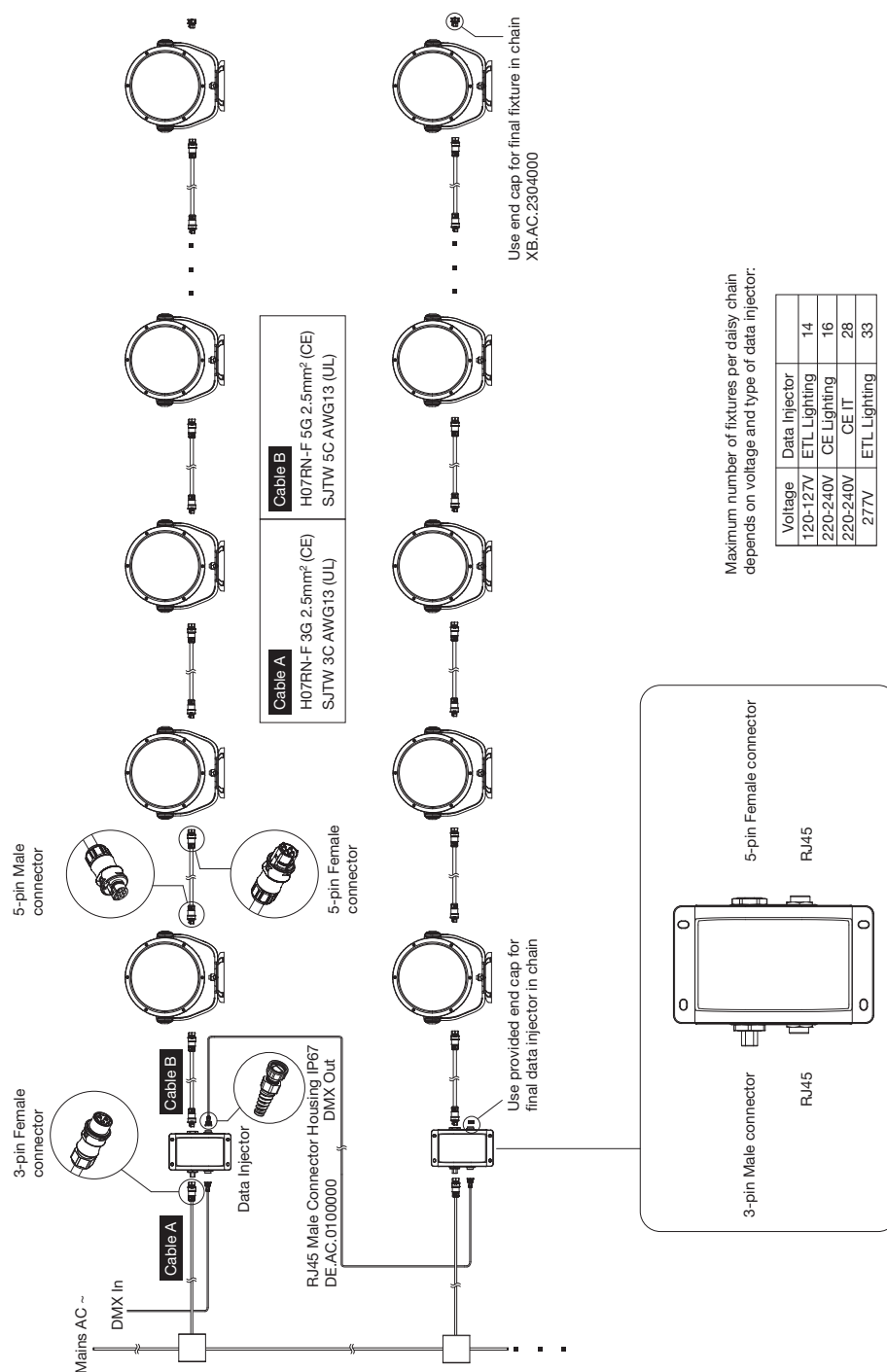
Product Specification

11/16 V1.0

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## Washer Quattro AC XB DW

## System Diagram



Maximum number of fixtures per daisy chain depends on voltage and type of data injector:

Voltage	Data Injector	
120-127V	ETL Lighting	14
220-240V	CE Lighting	16
220-240V	CE IT	28
277V	ETL Lighting	33





## Washer Quattro AC XB DW

Ordering

### Model Number

XB	.	W5	.	9	3	8	N	1	0	0
				Ingress Protection		Color	Beam Angle	Cover Lens		
				3: IP66		8: DW	1: 13°	1: Clear		
							3: 30°			
							6: 40°			
							8: 60°			

### Fixtures

Model No.	Description	Item Code
XB.W5.9381100	Washer Quattro AC XB4.18 DW 13°	AB487210055
XB.W5.9383100	Washer Quattro AC XB4.18 DW 30°	AB487190055
XB.W5.9386100	Washer Quattro AC XB4.18 DW 40°	AB487160055
XB.W5.9388100	Washer Quattro AC XB4.18 DW 60°	AB487140055

### Accessories

Model No.	Description	Item Code
XB.AC.4000000	Quattro AC XB Data Injector (ETL Lighting / CE IT)	AB389160055
XB.AC.4000100	Quattro AC XB Data Injector (CE Lighting)	AB444880055
XB.AC.2302000	5-pin Field Installable AC Male Connector IP66	AA438580235
XB.AC.2303000	5-pin Field Installable AC Female Connector IP66	AA438570235
XB.AC.4006000	3-pin Field Installable AC Female Connector IP66	AB389040035
XE.ID.0204000	AC XB Interconnection Cable, 5-wire, CE (2m)	AB389130055
XE.ID.0204001	AC XB Interconnection Cable, 5-wire, UL (6.5ft)	AB389120055
XE.ID.0074000	AC XB Interconnection Cable, 5-wire, CE (0.7m)	AB389100055
XE.ID.0074001	AC XB Interconnection Cable, 5-wire, UL (2.33ft)	AB389070055
XE.IF.0104000	AC XB Power Cable, 3-wire, CE (1m)	AB389060055
XE.IF.0104001	AC XB Power Cable, 3-wire, UL (3.25ft)	AB389050055
DE.AC.0100000	RJ45 Male Connector Housing IP67	AA556100155
XB.AC.2304000	5-pin Connector Socket End Cap IP66	AA508870335



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