



Liner Quattro AC XB RGBW

The Liner Quattro AC XB RGBW 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

| | XB4.9 | XB4.18 |
|---|--|--|
| Light Source | 4-in-1 LED clusters | |
| Color Range | RGBW (White CCT 4000K) | |
| Beam Angle | 13°, 30° × 15°, 75° × 40°, 60° | |
| Luminous Flux¹ | 1494 lm | 2922 lm |
| Efficacy¹ | 34 lm/W | |
| Lumen Maintenance | L70 @25°C - 80,000hrs | |
| Cover Lens | Tempered glass cover | |
| Housing | Aluminium | |
| Adjustment Options | ±90° tilt | |
| Size (L × W × H) | 594mm × 75mm × 117mm 24" × 3" × 4.6" | 1188mm × 75mm × 117mm 48" × 3" × 4.6" |
| Weight | 5kg / 11lbs | 7.5kg / 16.5lbs |
| 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), suitable for coastal environments | |
| Humidity | 85%, non-condensing | |

Electrical Specifications

| | | |
|----------------------------------|---------------------|-----|
| Input Voltage² | 100-277V AC 50/60Hz | |
| Power Consumption | 46W | 85W |
| Power Factor | ≥ 0.9 | |

System Specifications

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

1. Based on photometric data of Liner Quattro AC XB 30° × 15°.
2. 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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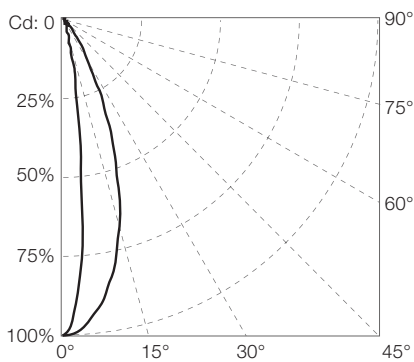
Liner Quattro AC XB RGBW

Photometrics

Source Specifications

| | |
|------------|---------------------|
| LED Source | 4-in-1 LED clusters |
| Beam Angle | 30° × 15° |

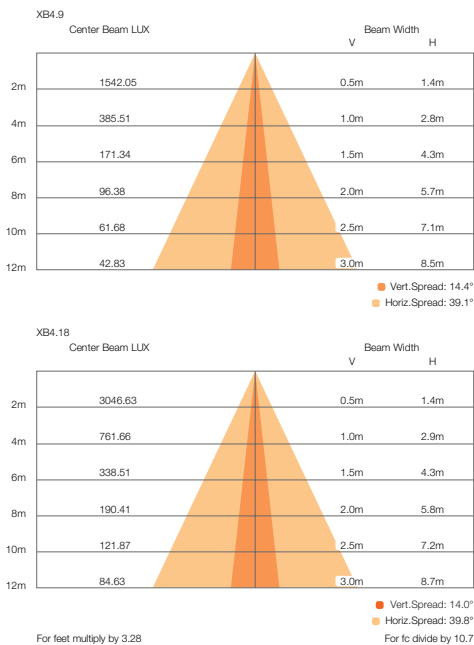
Candela Distribution



Light Output

| Color | Luminous Flux (lm) | Candela Distribution @100% | Efficacy (lm/W) |
|-----------------|--------------------|----------------------------|-----------------|
| XB4.9 | | | |
| White (full on) | 1494.32 | 6168.18 | 32.49 |
| White (RGB off) | 834.73 | 3490.84 | 48.87 |
| RGB | 692.01 | 2815.35 | 23.82 |
| Red | 169.67 | 667.20 | 21.40 |
| Green | 490.95 | 2011.31 | 30.27 |
| Blue | 46.73 | 187.58 | 4.97 |
| XB4.18 | | | |
| White (full on) | 2922.38 | 12186.52 | 34.38 |
| White (RGB off) | 1646.30 | 6805.84 | 48.26 |
| RGB | 1352.35 | 5617.31 | 24.38 |
| Red | 345.25 | 1408.26 | 24.61 |
| Green | 961.46 | 4024.36 | 29.58 |
| Blue | 89.12 | 352.33 | 5.36 |

Illuminance at a Distance



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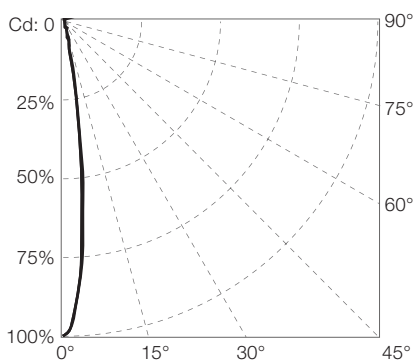
Liner Quattro AC XB RGBW

Photometrics

Source Specifications

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

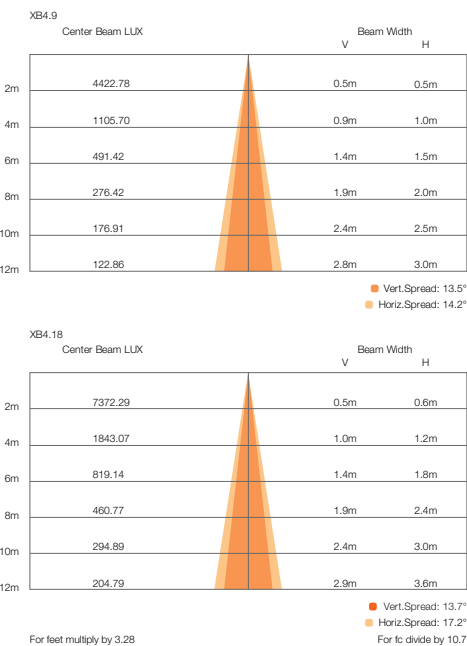
Candela Distribution



Light Output

| Color | Luminous Flux (lm) | Candela Distribution @100% | Efficacy (lm/W) |
|-----------------|--------------------|----------------------------|-----------------|
| XB4.9 | | | |
| White (full on) | 1664.43 | 17691.13 | 36.18 |
| White (RGB off) | 944.76 | 9886.965 | 55.31 |
| RGB | 761.45 | 8179.188 | 26.21 |
| Red | 189.95 | 1892.63 | 23.95 |
| Green | 552.46 | 6004.634 | 34.06 |
| Blue | 51.92 | 553.742 | 5.52 |
| XB4.18 | | | |
| White (full on) | 3300.55 | 29489.14 | 38.83 |
| White (RGB off) | 1858.71 | 16556.36 | 54.49 |
| RGB | 1538.9 | 13667.39 | 27.73 |
| Red | 388.64 | 3337.136 | 27.70 |
| Green | 1091.58 | 9807.511 | 33.59 |
| Blue | 97.38 | 837.005 | 5.85 |

Illuminance at a Distance



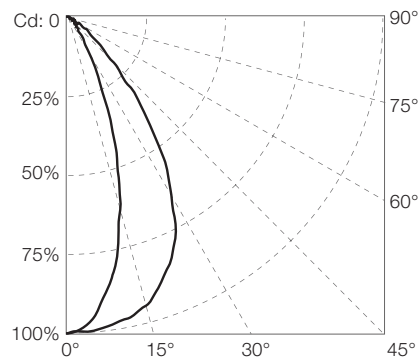
Liner Quattro AC XB RGBW

Photometrics

Source Specifications

| | |
|------------|---------------------|
| LED Source | 4-in-1 LED clusters |
| Beam Angle | 75° × 40° |

Candela Distribution



Light Output

| Color | Luminous Flux (lm) | Candela Distribution @100% | Efficacy (lm/W) |
|-----------------|--------------------|----------------------------|-----------------|
| XB4.9 | | | |
| White (full on) | 1464.65 | 1721.79 | 31.84 |
| White (RGB off) | 821.84 | 966.07 | 48.08 |
| RGB | 673.29 | 782.36 | 23.18 |
| Red | 165.62 | 193.40 | 20.89 |
| Green | 481.43 | 555.99 | 29.68 |
| Blue | 45.86 | 51.04 | 4.88 |
| XB4.18 | | | |
| White (full on) | 2861.30 | 3331.26 | 33.66 |
| White (RGB off) | 1613.73 | 1872.38 | 47.31 |
| RGB | 1313.73 | 1526.38 | 23.68 |
| Red | 329.72 | 385.52 | 23.50 |
| Green | 939.09 | 1082.44 | 28.90 |
| Blue | 87.12 | 96.25 | 5.24 |

Illuminance at a Distance



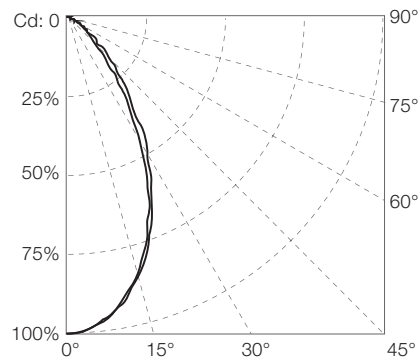
Liner Quattro AC XB RGBW

Photometrics

Source Specifications

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

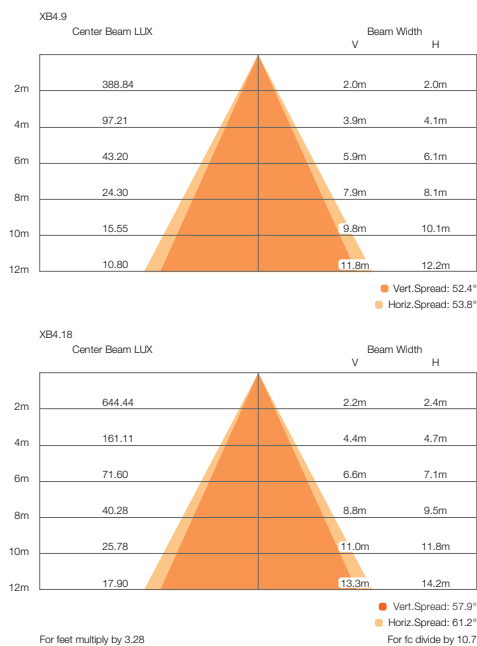
Candela Distribution

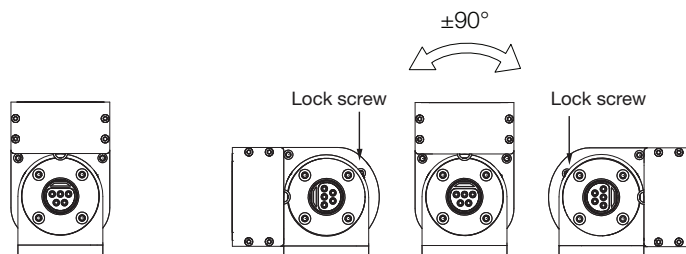
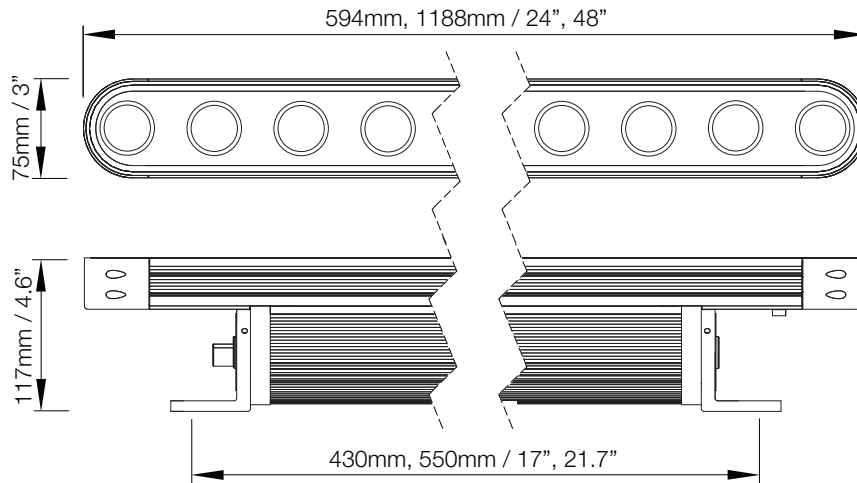


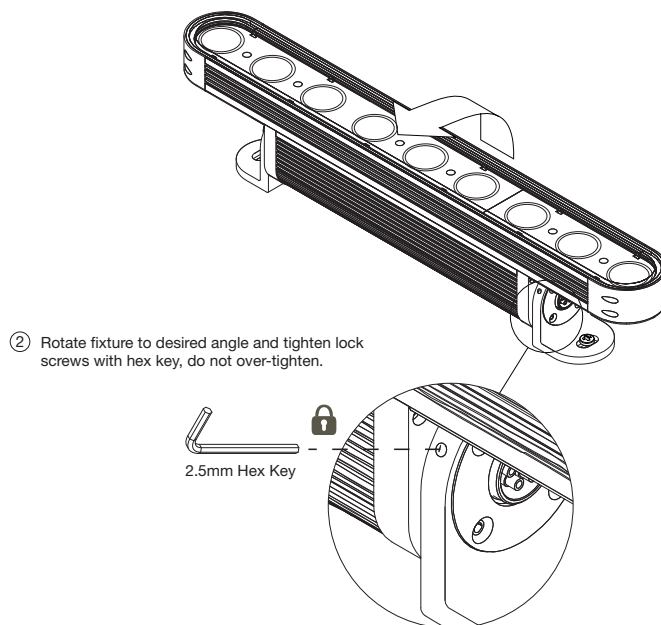
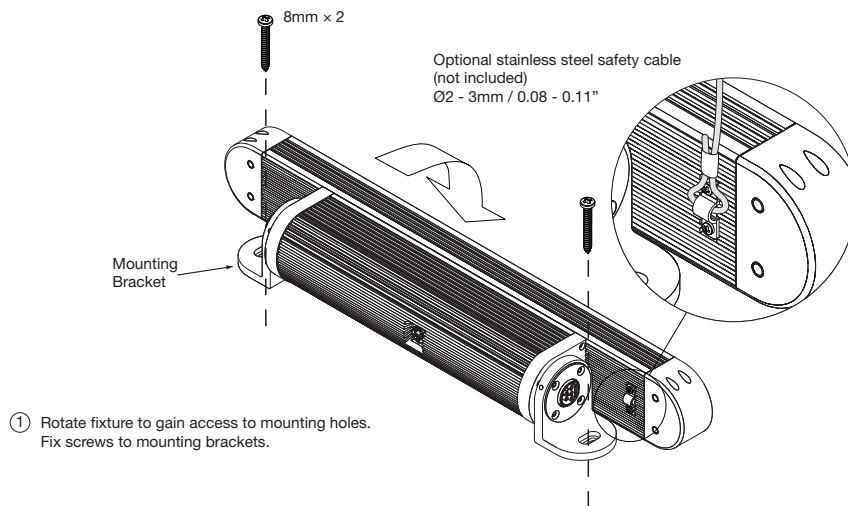
Light Output

| Color | Luminous Flux (lm) | Candela Distribution @100% | Efficacy (lm/W) |
|-----------------|--------------------|----------------------------|-----------------|
| XB4.9 | | | |
| White (full on) | 1465.41 | 1555.35 | 31.86 |
| White (RGB off) | 821.63 | 873.23 | 48.10 |
| RGB | 675.07 | 707.68 | 23.24 |
| Red | 165.87 | 175.66 | 20.92 |
| Green | 482.44 | 502.32 | 29.74 |
| Blue | 45.90 | 46.25 | 4.88 |
| XB4.18 | | | |
| White (full on) | 2859.35 | 2581.87 | 33.64 |
| White (RGB off) | 1605.46 | 1446.32 | 47.07 |
| RGB | 1315.79 | 1178.30 | 23.72 |
| Red | 329.56 | 302.74 | 23.49 |
| Green | 939.88 | 831.26 | 28.92 |
| Blue | 86.56 | 72.80 | 5.20 |

Illuminance at a Distance

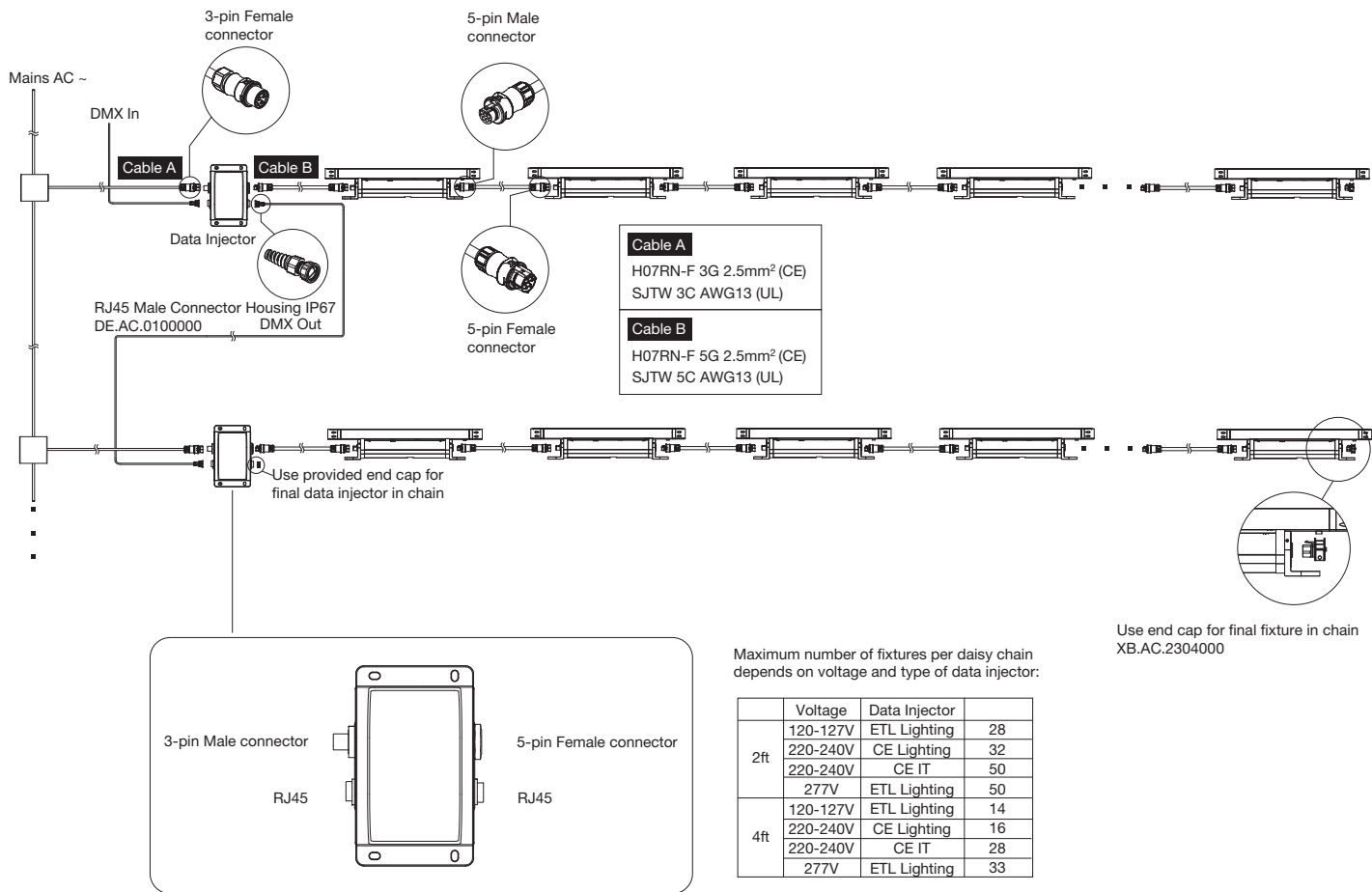






Liner Quattro AC XB RGBW

System Diagram





Liner Quattro AC XB RGBW

Ordering

Model Number

| XB | XX | 9 | 3 | 1 | N | 1 | 0 | 0 |
|------------------|-----------|--------------------|----------|----------|--------------|------------|----------|----------|
| Length | | Ingress Protection | | Colors | Beam Angle | Cover Lens | | |
| L5: XB4.9 (24") | | 3: IP66 | | 1: RGBW | 1: 13° | 1: Clear | | |
| L7: XB4.18 (48") | | | | | 4: 30° × 15° | | | |
| | | | | | 7: 75° × 40° | | | |
| | | | | | 8: 60° | | | |

Fixtures

| Model No. | Description | Item Code |
|---------------|--|-------------|
| XB.L5.9311100 | Liner Quattro AC XB4.9 RGBW 13° | AB389700055 |
| XB.L5.9314100 | Liner Quattro AC XB4.9 RGBW 30° × 15° | AB389730055 |
| XB.L5.9317100 | Liner Quattro AC XB4.9 RGBW 75° × 40° | AB389760055 |
| XB.L5.9318100 | Liner Quattro AC XB4.9 RGBW 60° | AB389770055 |
| XB.L7.9311100 | Liner Quattro AC XB4.18 RGBW 13° | AB389780055 |
| XB.L7.9314100 | Liner Quattro AC XB4.18 RGBW 30° × 15° | AB389810055 |
| XB.L7.9317100 | Liner Quattro AC XB4.18 RGBW 75° × 40° | AB389840055 |
| XB.L7.9318100 | Liner Quattro AC XB4.18 RGBW 60° | AB389850055 |

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 Connector Plug IP66 | AA438580235 |
| XB.AC.2303000 | 5-pin Field Installable AC Connector Socket IP66 | AA438570235 |
| XB.AC.4006000 | 3-pin Field Installable AC Connector Socket 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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