traxon

Nano Liner XB CW Series
Low Profile XB CW Series[1]

XB.NF.xxxxxxx
XB.NG.xxxxxxx
XB.NH.xxxxxxx
XB.NI.xxxxxxx

The Nano Liner XB CW series is a slim-profile high-power linear fixture range equipped with 9, 18, 27, or 36 Luxeon® LEDs. Owing to its miniature-sized housing, it is ideal for space restricting installations requiring the projection of an intense and even light output on walls or any flat surfaces. This indoor fixture also has a variety of optics available.

INDOOR

PRODUCT SPECIFICATIONS

- **Light Source:** NF: 9 High intensity power LEDs
  NG: 18 High intensity power LEDs
  NH: 27 High intensity power LEDs
  NI: 36 High intensity power LEDs
- **Color Temperature:** Cold white - 6500 K
- **Beam Angle[2]:** 10°, 20°, 30°, 40°, 40°x10°, open beam
- **Luminous Flux[3]:** 1909 lm (40°x10° optics)
- **Efficacy[3]:** 46.6 lm/W (40°x10° optics)
- **Cover Lens:** Clear PC cover (CAST-UV protected)
- **LED Pitch:** 36.8mm
- **Housing:** Aluminium extrusion
- **Adjustment Options:** Mounting dependant
- **Size:** NF: 345mm (L) x 35.7mm (W) x 39.2mm (H) / 13.6" (L) x 1.41" (W) x 1.54" (H)
  NG: 678mm (L) x 35.7mm (W) x 39.2mm (H) / 26.7" (L) x 1.41" (W) x 1.54" (H)
  NH: 1012mm (L) x 35.7mm (W) x 39.2mm (H) / 39.8" (L) x 1.41" (W) x 1.54" (H)
  NI: 1345mm (L) x 35.7mm (W) x 39.2mm (H) / 52.9" (L) x 1.41" (W) x 1.54" (H)
- **Weight:** NF: 0.5kg / 1.1lbs; NG: 1.0kg / 2.2lbs; NH: 1.5kg / 3.3lbs; NI: 2.0kg / 4.4lbs
- **Regulatory Listing & Safety Approval:** CE, cTUVus
- **Operating Temperature:** 0°C to +50°C / 32°F to +122°F
- **Storage Temperature:** −40°C to +70°C / −40°F to +158°F
- **Environment:** Indoor
- **Humidity:** 85%, non-condensing

ELECTRICAL SPECIFICATIONS

- **Constant Current:** 350mA
- **Power Consumption:** NF: 10.5W typ. / 14W max.
  NG: 21W typ. / 27W max.
  NH: 31W typ. / 41W max.
  NI: 42W typ. / 54W max.

SYSTEM SPECIFICATIONS

- **Power/Data Interface:** TX CONNECT XB Indoor
- **Control:** DMX512 or standalone control by preset programs on LED Engine XB-SD
- **Power Supply:** LED Engine XB-SD

1. Model name in North America.
2. FWHM. Corrected notation to previous specifications, 10 was 6; 20 was 15; 30 was 25; 40 was 40; 40x10 was 25x6.
3. Based on photometric data from Liner Shield AC XB-27 and maximum power consumption of this fixture.

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.

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11/10, V1.0

Nano Liner XB CW Series
Low Profile XB CW Series

Photometrics

Photometric data based on Liner Shield AC

SOURCE SPECIFICATIONS

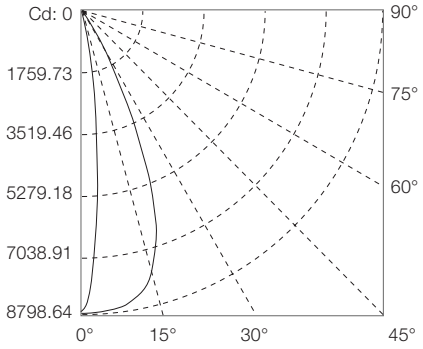
Source: 27 LEDs

Optics: 40° x 10°

Cover Lens: Clear PC

CCT: 6500 K - Cold white

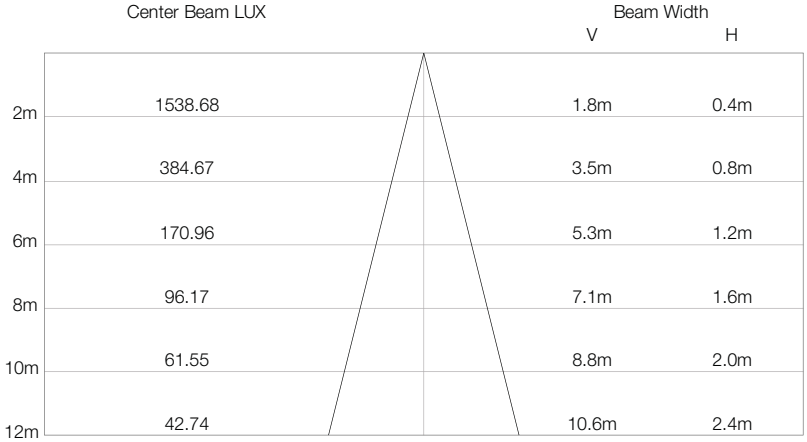
CANDELA DISTRIBUTION



LIGHT OUTPUT

Color	Luminous Flux (lm)
White	1909.37

ILLUMINANCE AT A DISTANCE



For fc divide by 10.7

Vert.Spread: 47.6°
Horiz.Spread: 11.3°
For feet multiply by 3.28

Measurements for other optics, IES and LDT files are available for download from the Traxon website.

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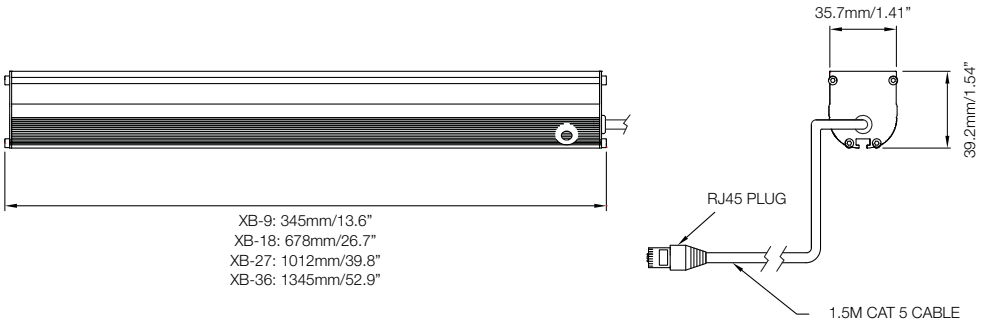
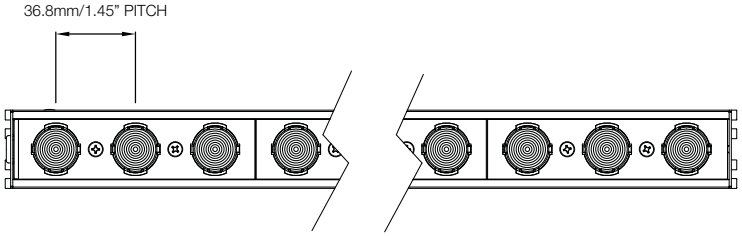
Nano Liner XB CW Series
Low Profile XB CW Series

Dimensions

TECHNICAL DRAWING

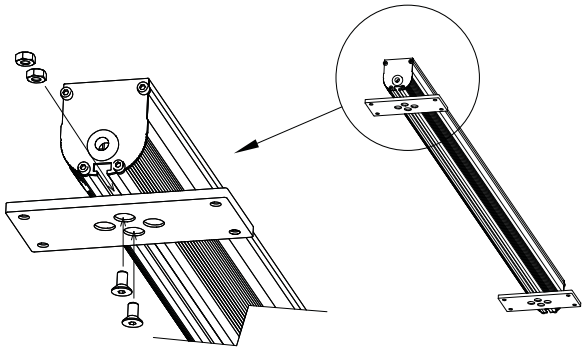




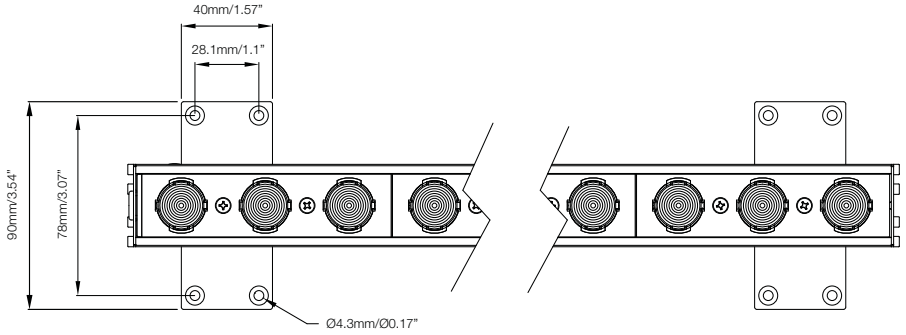
MOUNTING

1 Affix mounting plates to unit.

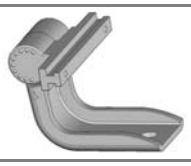
Use the provided screws and nuts to affix the two mounting plates to the unit.



2 Fix screws at mounting plates to mount entire fixture.



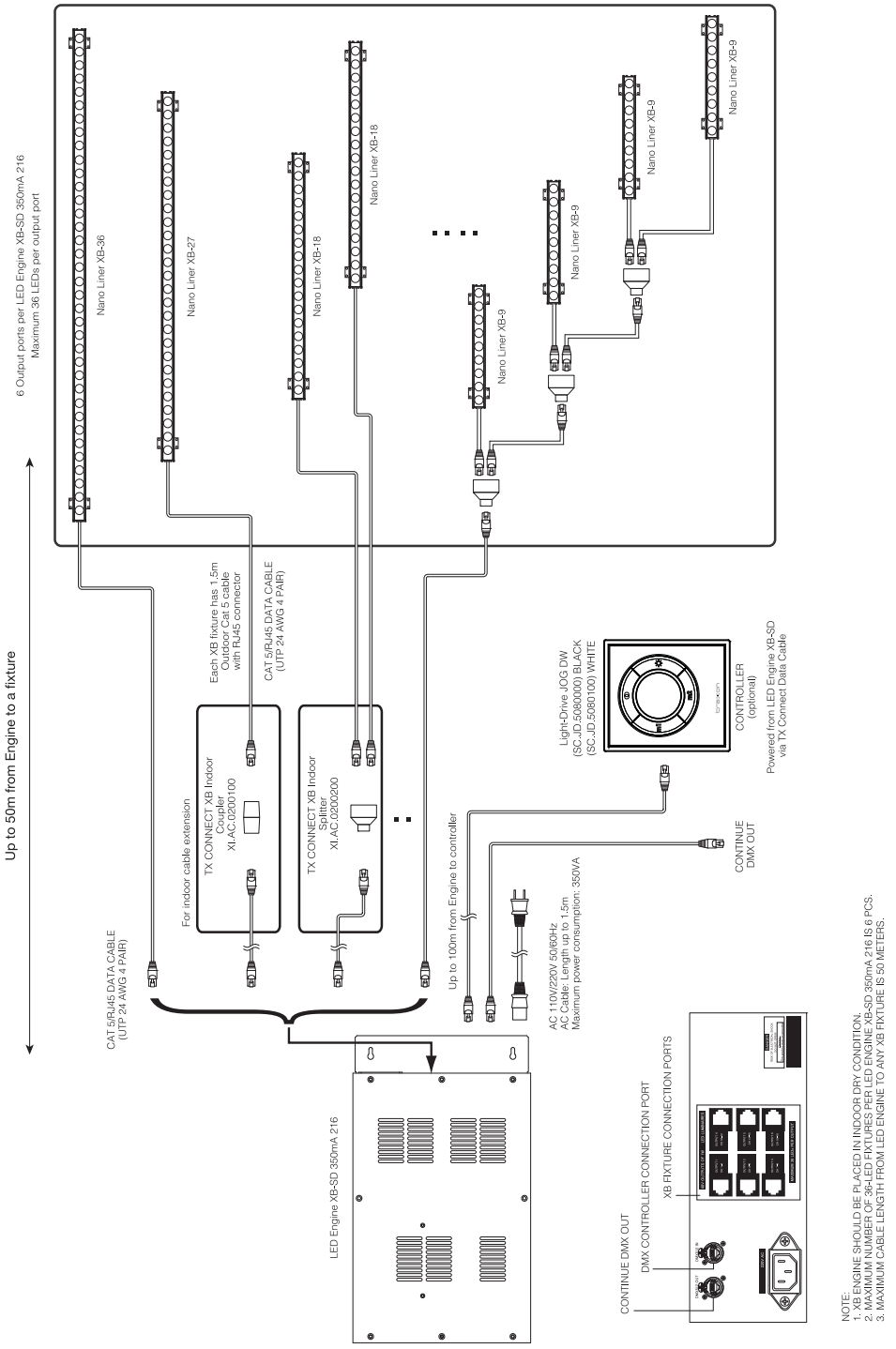
Optional Mounting Bracket
(XB.AC.0000500)



Nano Liner XB CW Series
Low Profile XB CW Series

System Diagram

SYSTEM DIAGRAM

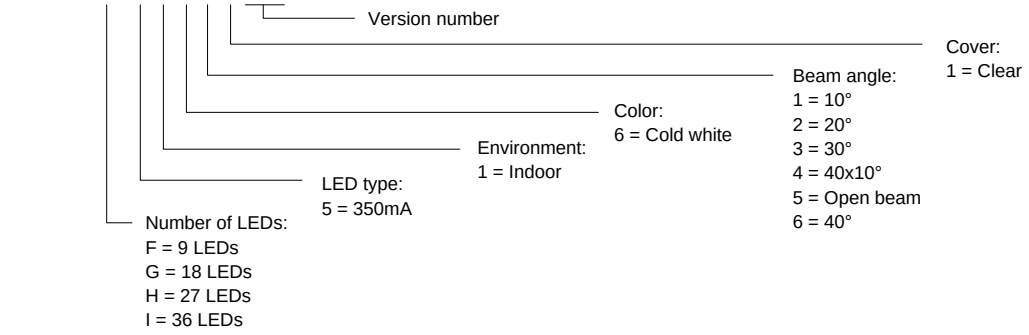


Nano Liner XB CW Series
Low Profile XB CW Series

Accessories

MODEL NUMBER

X B . N x . 5 1 x x x x x



STANDARD ACCESSORIES (included in delivery)

Model No.	Description
	Nano Liner XB with 1.5m/4.92ft cable attached, 2 mounting plates and screws.

TX CONTROL

Model No.	Description
CS.MA.5000000	Micro Server
SC.JD.5080000	Light-Drive Jog DW (Black)
SC.JD.5080100	Light-Drive Jog DW (White)

OPTIONAL ACCESSORIES

Model No.	Description
XB.AC.0000500	XB Mounting Bracket 190°

TX CONNECT

Model No.	Description
XI.IC.1000000	TX CONNECT XB Interconnection Cable (10m/32.8ft)
XI.IC.2000000	TX CONNECT XB Interconnection Cable (20m/65.6ft)
XI.AC.0200200	TX CONNECT XB Splitter
XI.AC.0200100	TX CONNECT XB Coupler
DI.IC.0020000	TX CONNECT Data Cable (20cm/0.65ft)
DI.IC.0100000	TX CONNECT Data Cable (1m/3.28ft)
DI.IC.0300000	TX CONNECT Data Cable (3m/9.84ft)
DI.IC.0500000	TX CONNECT Data Cable (5m/16.4ft)
DI.IC.1000000	TX CONNECT Data Cable (10m/32.8ft)
DI.IC.2000000	TX CONNECT Data Cable (20m/65.6ft)

TX POWER

Model No.	Description
PX.IC.5060100	LED Engine XB-SD 350mA 220V
PX.IC.5060200	LED Engine XB-SD 350mA 216 110V
PX.ID.5120100	LED Engine XB-SD Rackmount 350mA 432 220V
PX.ID.5120200	LED Engine XB-SD Rackmount 350mA 432 110V
PS.AC.0000x00	AC Power Cord (2m/6.6ft); 1=EU, 2=US, 3=UK, 4=AU, 5=JP

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Nano Liner XB DW Series
Low Profile XB DW Series[1]

XB.NF.xxxxxxx
XB.NG.xxxxxxx
XB.NH.xxxxxxx
XB.NI.xxxxxxx

The Nano Liner XB DW series is a slim-profile high-power linear fixture range equipped with 9, 18, 27, or 36 Luxeon® LEDs. Owing to its miniature-sized housing, it is ideal for space restricting installations requiring the projection of an intense and even light output on walls or any flat surfaces. This indoor fixture also has a variety of optics available.

LUXEON LIGHTING NETWORK

CE

INDOOR

PRODUCT SPECIFICATIONS

- **Light Source:** NF: 9 High intensity power LEDs
  NG: 18 High intensity power LEDs
  NH: 27 High intensity power LEDs
  NI: 36 High intensity power LEDs
- **Color Temperature:** Dynamic white - 2700 K - 6500 K
- **Beam Angle[2]:** 10°, 20°, 30°, 40°, 40°x10°, open beam
- **Luminous Flux[3]:** 1398 lm (40°x10° optics)
- **Efficacy[3]:** 34.1 lm/W (40°x10° optics)
- **Cover Lens:** Clear PC cover (CAST-UV protected)
- **LED Pitch:** 36.8mm
- **Housing:** Aluminium extrusion
- **Adjustment Options:** Mounting dependant
- **Size:** NF: 345mm (L) x 35.7mm (W) x 39.2mm (H) / 13.6" (L) x 1.41" (W) x 1.54" (H)
  NG: 678mm (L) x 35.7mm (W) x 39.2mm (H) / 26.7" (L) x 1.41" (W) x 1.54" (H)
  NH: 1012mm (L) x 35.7mm (W) x 39.2mm (H) / 39.8" (L) x 1.41" (W) x 1.54" (H)
  NI: 1345mm (L) x 35.7mm (W) x 39.2mm (H) / 52.9" (L) x 1.41" (W) x 1.54" (H)
- **Weight:** NF: 0.5kg / 1.1lb; NG: 1.0kg / 2.2lb; NH: 1.5kg / 3.3lb; NI: 2.0kg / 4.4lb
- **Regulatory Listing & Safety Approval:** CE, cTUVus
- **Operating Temperature:** 0°C to +50°C / 32°F to +122°F
- **Storage Temperature:** −40°C to +70°C / −40°F to +158°F
- **Environment:** Indoor
- **Humidity:** 85%, non-condensing

ELECTRICAL SPECIFICATIONS

- **Constant Current:** 350mA
- **Power Consumption:** NF: 10.5W typ. / 14W max.
  NG: 21W typ. / 27W max.
  NH: 31W typ. / 41W max.
  NI: 42W typ. / 54W max.

SYSTEM SPECIFICATIONS

- **Power/Data Interface:** TX CONNECT XB Indoor
- **Control:** DMX512 or standalone control by preset programs on LED Engine XB-SD
- **Power Supply:** LED Engine XB-SD

1. Model name in North America.
2. FWHM. Corrected notation to previous specifications, 10 was 6; 20 was 15; 30 was 25; 40 was 40; 40x10 was 25x6.
3. Based on photometric data from Liner Shield AC XB-27 and maximum power consumption of this fixture.

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.

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Nano Liner XB DW Series
Low Profile XB DW Series

Photometrics

Photometric data based on Liner Shield AC

SOURCE SPECIFICATIONS

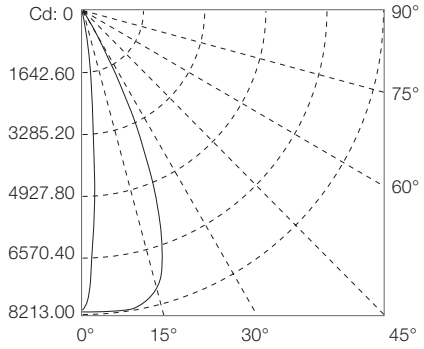
Source: 27 LEDs

Optics: 40° x 10°

Cover Lens: Clear PC

CCT: 2700 K - 6500 K - Dynamic white

CANDELA DISTRIBUTION



LIGHT OUTPUT

Color	Luminous Flux (lm)
White	1397.84

ILLUMINANCE AT A DISTANCE

For fc divide by 10.7

Vert.Spread: 48.4°
Horiz.Spread: 8.4°
For feet multiply by 3.28

Measurements for other optics, IES and LDT files are available for download from the Traxon website.

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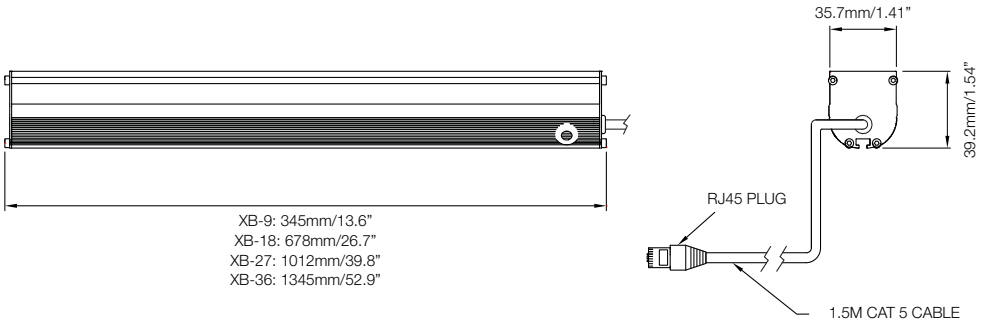
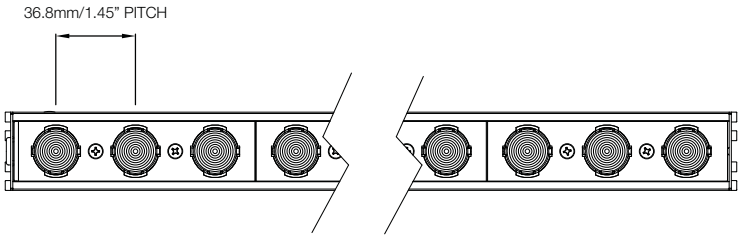
Nano Liner XB DW Series
Low Profile XB DW Series

Dimensions

TECHNICAL DRAWING

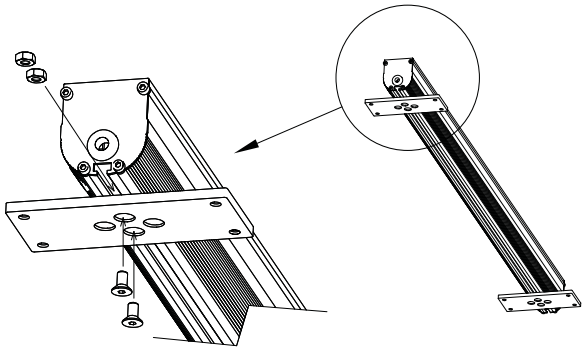




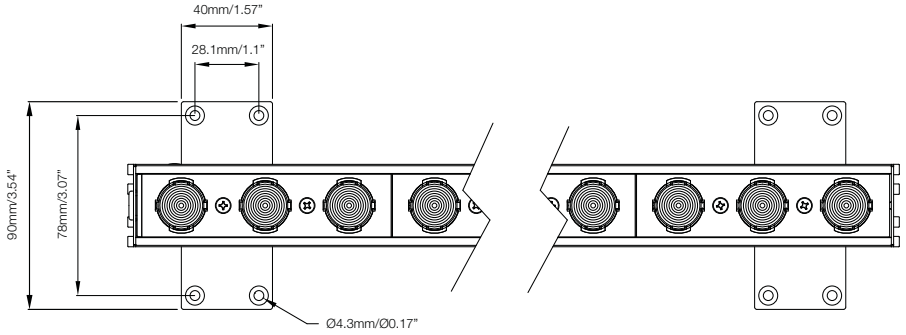
MOUNTING

1 Affix mounting plates to unit.

Use the provided screws and nuts to affix the two mounting plates to the unit.



2 Fix screws at mounting plates to mount entire fixture.

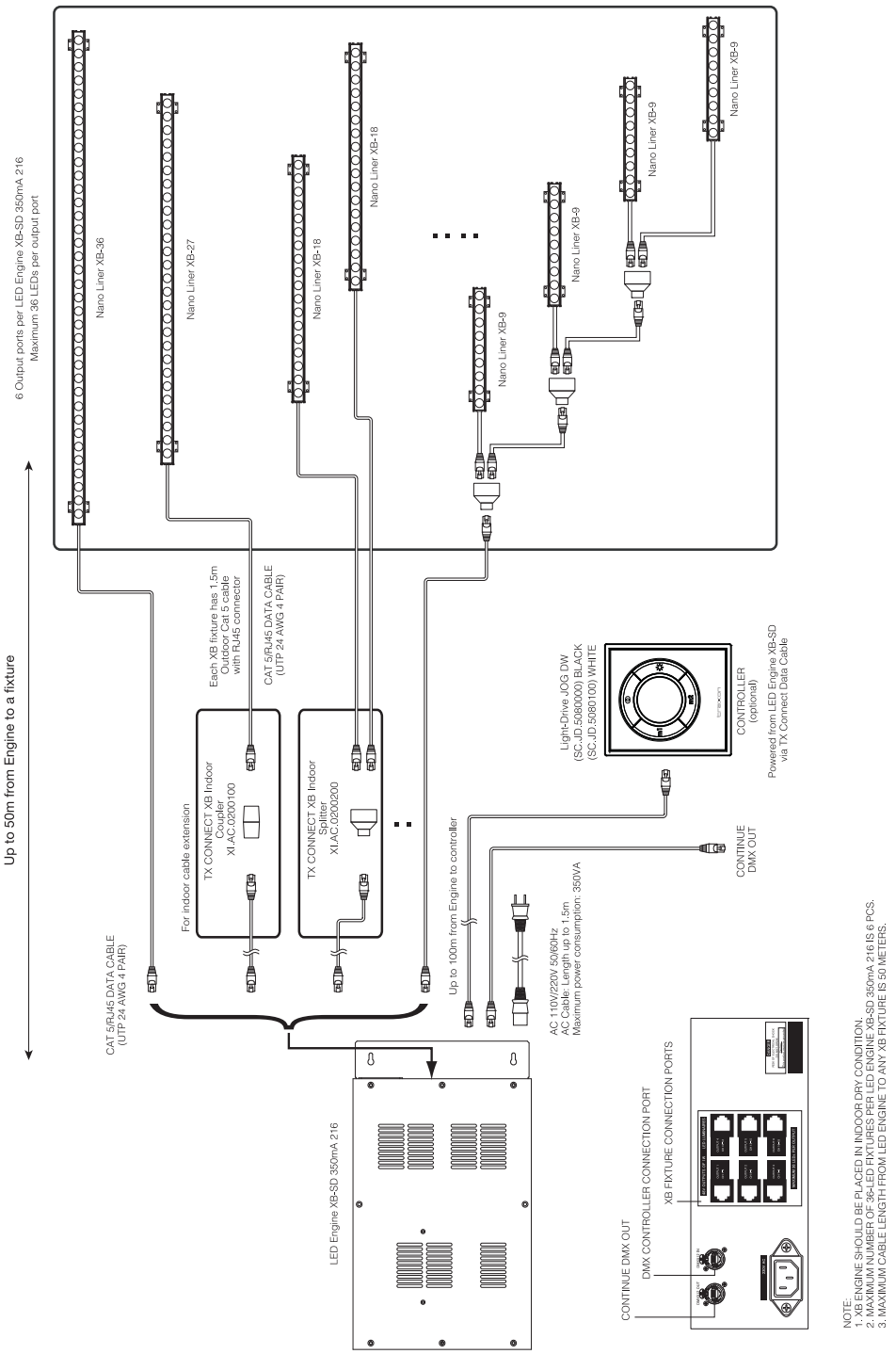


Optional Mounting Bracket
(XB.AC.0000500)

Nano Liner XB DW Series
Low Profile XB DW Series

System Diagram

SYSTEM DIAGRAM



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Nano Liner XB DW Series
Low Profile XB DW Series

Accessories

MODEL NUMBER

X B . N x . 5 1 x x x x x

- Version number
- Cover: 1 = Clear
- Beam angle: 1 = 10°, 2 = 20°, 3 = 30°, 4 = 40x10°, 5 = Open beam, 6 = 40°
- Color: 8 = Dynamic white
- Environment: 1 = Indoor
- LED type: 5 = 350mA
- Number of LEDs: F = 9 LEDs, G = 18 LEDs, H = 27 LEDs, I = 36 LEDs

STANDARD ACCESSORIES (included in delivery)

Model No.	Description
	Nano Liner XB with 1.5m/4.92ft cable attached, 2 mounting plates and screws.

TX CONTROL

Model No.	Description
CS.MA.5000000	Micro Server
SC.JD.5080000	Light-Drive Jog DW (Black)
SC.JD.5080100	Light-Drive Jog DW (White)

OPTIONAL ACCESSORIES

Model No.	Description
XB.AC.0000500	XB Mounting Bracket 190°

TX CONNECT

Model No.	Description
XI.IC.1000000	TX CONNECT XB Interconnection Cable (10m/32.8ft)
XI.IC.2000000	TX CONNECT XB Interconnection Cable (20m/65.6ft)
XI.AC.0200200	TX CONNECT XB Splitter
XI.AC.0200100	TX CONNECT XB Coupler
DI.IC.0020000	TX CONNECT Data Cable (20cm/0.65ft)
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DI.IC.1000000	TX CONNECT Data Cable (10m/32.8ft)
DI.IC.2000000	TX CONNECT Data Cable (20m/65.6ft)

TX POWER

Model No.	Description
PX.IC.5060100	LED Engine XB-SD 350mA 220V
PX.IC.5060200	LED Engine XB-SD 350mA 216 110V
PX.ID.5120100	LED Engine XB-SD Rackmount 350mA 432 220V
PX.ID.5120200	LED Engine XB-SD Rackmount 350mA 432 110V
PS.AC.0000x00	AC Power Cord (2m/6.6ft); 1=EU, 2=US, 3=UK, 4=AU, 5=JP

traxon

Nano Liner XB WW Series
Low Profile XB WW Series[1]

XB.NF.xxxxxxx
XB.NG.xxxxxxx
XB.NH.xxxxxxx
XB.NI.xxxxxxx

The Nano Liner XB WW series is a slim-profile high-power linear fixture range equipped with 9, 18, 27, or 36 Luxeon® LEDs. Owing to its miniature-sized housing, it is ideal for space restricting installations requiring the projection of an intense and even light output on walls or any flat surfaces. This indoor fixture also has a variety of optics available.

INDOOR

PRODUCT SPECIFICATIONS

- **Light Source:** NF: 9 High intensity power LEDs
  NG: 18 High intensity power LEDs
  NH: 27 High intensity power LEDs
  NI: 36 High intensity power LEDs
- **Color Temperature:** Warm white - 2700 K
- **Beam Angle[2]:** 10°, 20°, 30°, 40°, 40°x10°, open beam
- **Luminous Flux[3]:** 1232 lm (40°x10° optics)
- **Efficacy[3]:** 30.0 lm/W (40°x10° optics)
- **Cover Lens:** Clear PC cover (CAST-UV protected)
- **LED Pitch:** 36.8mm
- **Housing:** Aluminium extrusion
- **Adjustment Options:** Mounting dependant
- **Size:** NF: 345mm (L) x 35.7mm (W) x 39.2mm (H) / 13.6" (L) x 1.41" (W) x 1.54" (H)
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- **Weight:** NF: 0.5kg / 1.1lbs; NG: 1.0kg / 2.2lbs; NH: 1.5kg / 3.3lbs; NI: 2.0kg / 4.4lbs
- **Regulatory Listing & Safety Approval:** CE, cTUVus
- **Operating Temperature:** 0°C to +50°C / 32°F to +122°F
- **Storage Temperature:** −40°C to +70°C / −40°F to +158°F
- **Environment:** Indoor
- **Humidity:** 85%, non-condensing

ELECTRICAL SPECIFICATIONS

- **Constant Current:** 350mA
- **Power Consumption:** NF: 10.5W/14W typ. / max.
  NG: 21W/27W typ. / max.
  NH: 31W/41W typ. / max.
  NI: 42W/54W typ. / max.

SYSTEM SPECIFICATIONS

- **Power/Data Interface:** TX CONNECT XB Indoor
- **Control:** DMX512 or standalone control by preset programs on LED Engine XB-SD
- **Power Supply:** LED Engine XB-SD

1. Model name in North America.
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11/10, V1.0

Nano Liner XB WW Series
Low Profile XB WW Series

Photometrics

Photometric data based on Liner Shield AC

SOURCE SPECIFICATIONS

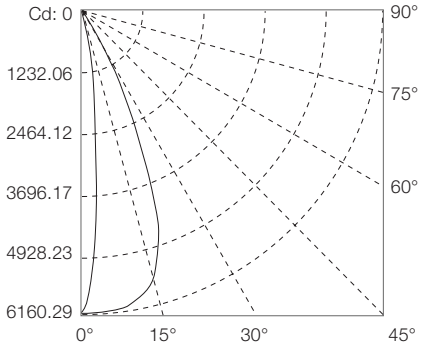
Source: 27 LEDs

Optics: 40° x 10°

Cover Lens: Clear PC

CCT: 2700 K - Warm white

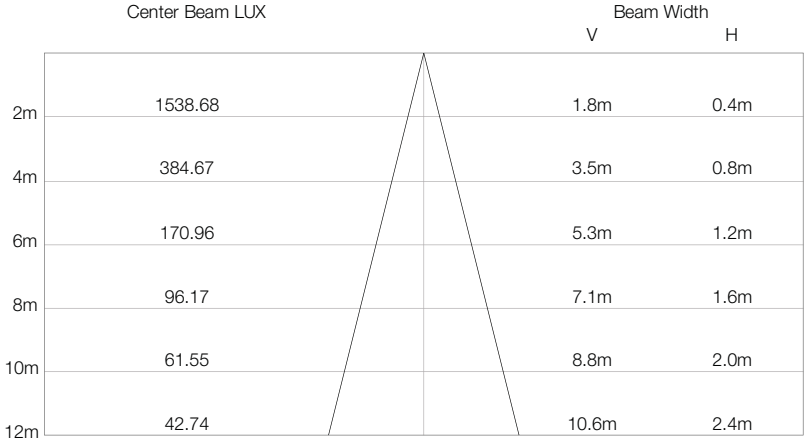
CANDELA DISTRIBUTION



LIGHT OUTPUT

Color	Luminous Flux (lm)
White	1231.66

ILLUMINANCE AT A DISTANCE



For fc divide by 10.7

Vert.Spread: 47.6°
Horiz.Spread: 11.3°
For feet multiply by 3.28

Measurements for other optics, IES and LDT files are available for download from the Traxon website.

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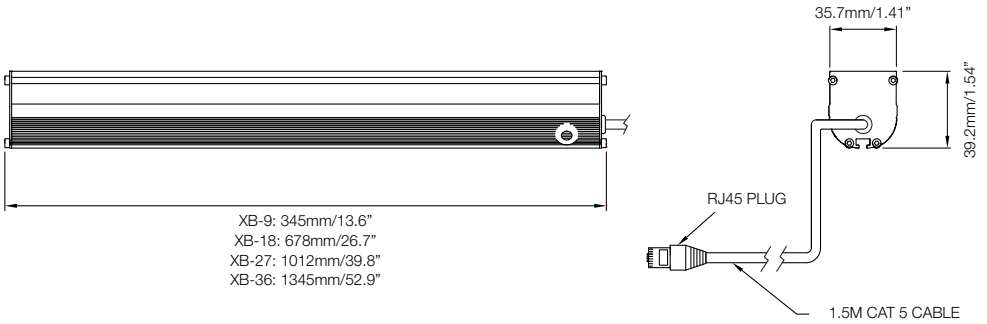
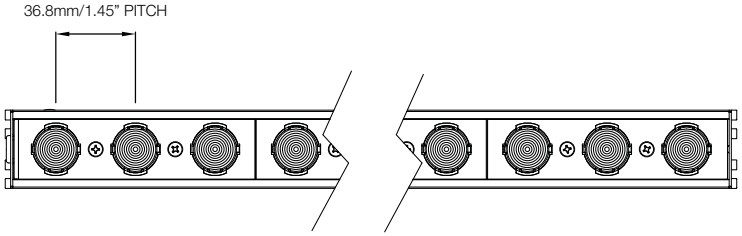
Nano Liner XB WW Series
Low Profile XB WW Series

Dimensions

TECHNICAL DRAWING





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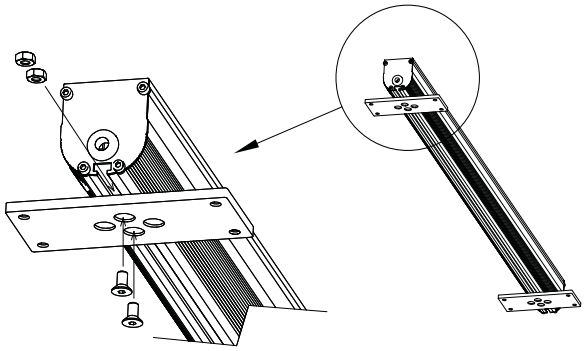
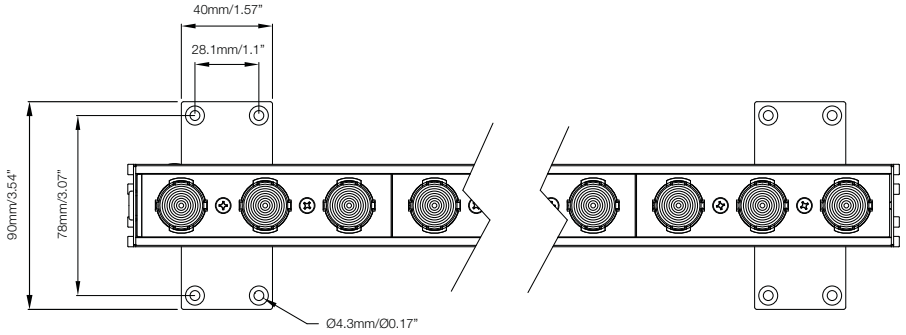
1 Affix mounting plates to unit.

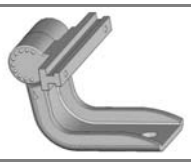
Use the provided screws and nuts to affix the two mounting plates to the unit.



2 Fix screws at mounting plates to mount entire fixture.



Optional Mounting Bracket
(XB.AC.0000500)



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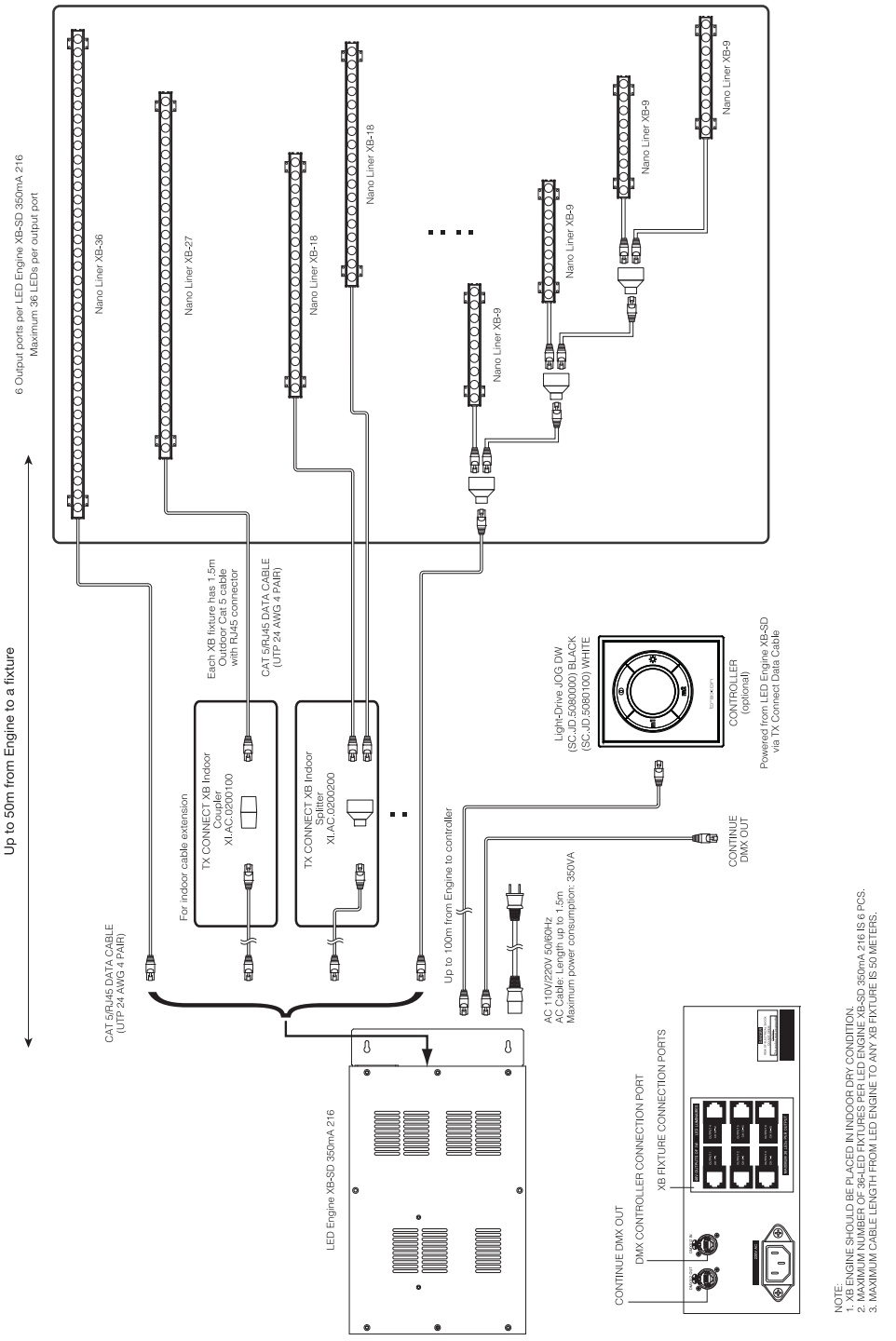
Nano Liner XB WW Series
Low Profile XB WW Series

System Diagram

SYSTEM DIAGRAM



Nano Liner XB WW Series
Low Profile XB WW Series

Accessories

MODEL NUMBER

X B . N x . 5 1 x x x x x

- Version number
- Cover:
  1 = Clear
- Beam angle:
  1 = 10°
  2 = 20°
  3 = 30°
  4 = 40x10°
  5 = Open beam
  6 = 40°
- Color:
  7 = Warm white
- Environment:
  1 = Indoor
- LED type:
  5 = 350mA
- Number of LEDs:
  F = 9 LEDs
  G = 18 LEDs
  H = 27 LEDs
  I = 36 LEDs

STANDARD ACCESSORIES (included in delivery)

Model No.	Description
	Nano Liner XB with 1.5m/4.92ft cable attached, 2 mounting plates and screws.

TX CONTROL

Model No.	Description
CS.MA.5000000	Micro Server
SC.JD.5080000	Light-Drive Jog DW (Black)
SC.JD.5080100	Light-Drive Jog DW (White)

OPTIONAL ACCESSORIES

Model No.	Description
XB.AC.0000500	XB Mounting Bracket 190°

TX CONNECT

Model No.	Description
XI.IC.1000000	TX CONNECT XB Interconnection Cable (10m/32.8ft)
XI.IC.2000000	TX CONNECT XB Interconnection Cable (20m/65.6ft)
XI.AC.0200200	TX CONNECT XB Splitter
XI.AC.0200100	TX CONNECT XB Coupler
DI.IC.0020000	TX CONNECT Data Cable (20cm/0.65ft)
DI.IC.0100000	TX CONNECT Data Cable (1m/3.28ft)
DI.IC.0300000	TX CONNECT Data Cable (3m/9.84ft)
DI.IC.0500000	TX CONNECT Data Cable (5m/16.4ft)
DI.IC.1000000	TX CONNECT Data Cable (10m/32.8ft)
DI.IC.2000000	TX CONNECT Data Cable (20m/65.6ft)

TX POWER

Model No.	Description
PX.IC.5060100	LED Engine XB-SD 350mA 220V
PX.IC.5060200	LED Engine XB-SD 350mA 216 110V
PX.ID.5120100	LED Engine XB-SD Rackmount 350mA 432 220V
PX.ID.5120200	LED Engine XB-SD Rackmount 350mA 432 110V
PS.AC.0000x00	AC Power Cord (2m/6.6ft); 1=EU, 2=US, 3=UK, 4=AU, 5=JP