

traxon



Shield AC Extend XB RGB



The Traxon Shield AC Extend XB RGB is a modular high-brightness lighting system with adjustable multi-LED heads. The AC powered system is IP66-rated, and can be daisy-chained to form larger multi-beam systems to generate color changing light for powerful directed beams for long distance-throw lighting applications.



PRODUCT SPECIFICATIONS

- **Light Source:** Multi-Head High intensity power LEDs
- **Color Range:** 16.7 million additive RGB colors
- **Color Resolution:** 3 x 8-bit continuously variable intensity output range
- **Color Options:** RGB
- **Beam Angle:** Special optics configuration
- **Luminous Flux:** 5566.10 lm
- **Efficacy¹:** 26.5 lm/W
- **Cover Lens:** Clear tempered glass
- **Housing:** Aluminium die cast
- **Adjustment Options:** LED heads on ball joint.
- **Size:** 765mm (W) x 219.26mm (D) x 482.00mm (H) / 30.11" (W) x 8.63" (D) x 9.02" (H)
- **Weight:** 25.2kg (total)
- **Regulatory Listing & Safety Approval:** CE, cETLus (pending)
- **Operating Temperature²:** -40°C to +60°C / -40°F to +140°F
- **Storage Temperature:** -40°C to +70°C / -40°F to +158°F
- **Environment:** Outdoor (IP66)
- **Humidity:** 85%, non-condensing

ELECTRICAL SPECIFICATIONS

- **Input Voltage:** 100-240V AC 50/60Hz
- **Power Consumption:** 210W max.

SYSTEM SPECIFICATIONS

- **Power/Data Interface:** AC line; DMX512 on RJ45
- **Control:** DMX512
- **Power Supply:** Built-in

1. Efficacy based on typical luminous value and maximum power consumption.
2. Startup temperature: -20°C/-4°F.

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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05/11, V0.4



SOURCE SPECIFICATIONS

Source: 4 x 36 LEDs RGB (12xR, 12xG, 12xB)

Optics: 8°

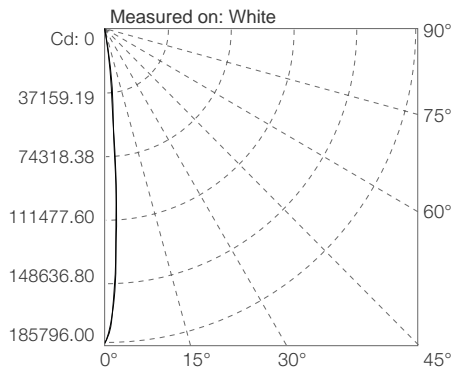
Cover Lens: Clear glass cover

Distribution: Asymmetric direct illumination

CCT: N/A

CANDELA DISTRIBUTION

LIGHT OUTPUT



Color	Luminous Flux (lumens)
White	5566.1
Red	1696.49
Green	3686.92
Blue	451.49

ILLUMINANCE AT A DISTANCE

Distance (m)	Center Beam LUX	Beam Width	
		V	H
2m	46448.99	0.3m	0.3m
4m	11612.25	0.6m	0.6m
6m	5161.00	0.9m	0.9m
8m	2903.06	1.2m	1.1m
10m	1857.96	1.5m	1.4m
12m	1290.25	1.8m	1.7m

For fc divide by 10.7

Vert.Spread: 8.4°

Horiz.Spread: 8.2°

For feet multiply by 3.28

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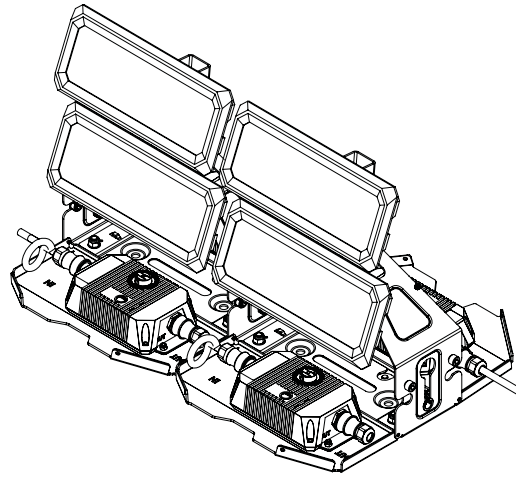
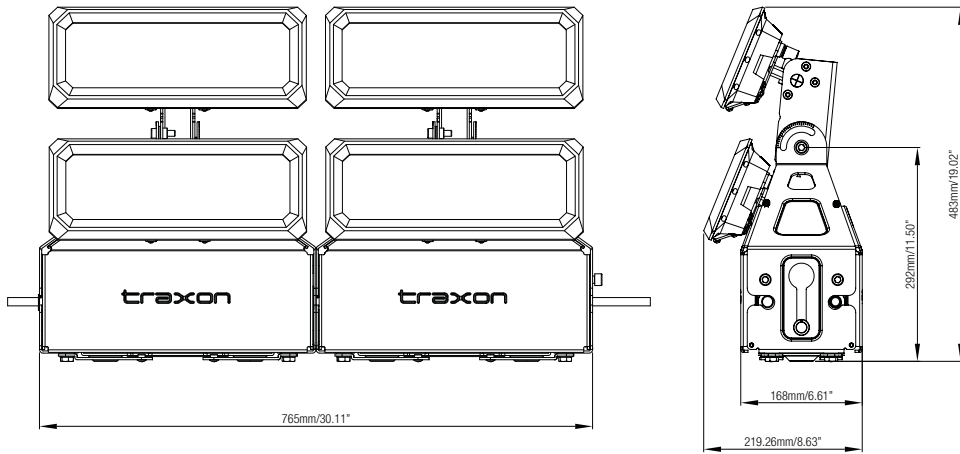


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Dimensions

TECHNICAL DRAWING

Shield AC Extend XB RGB





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Accessories

TX CONTROL

Model No.	Description
CS.MA.5000000	Micro Server
SC.CD.5000000	Light-Drive RGB (Black)
SC.CD.5000100	Light-Drive RGB (White)
SC.JD.5010000	Light-Drive Jog RGB (Black)

TX CONNECT

Model No.	Description
XB.AC.2302000	5-Pin Field Installable Connector Plug IP66
XB.AC.2303000	5-pin Field Installable Connector Socket IP66
XB.AC.2304000	5-Pin Connector Socket End Cap IP66
XB.AC.2308000	5-Pin Connector Plug End Cap IP66
DE.AC.0100000	RJ45 Male Connector Housing IP67, Field Installable
XE.ID.9999910	AC XB Interconnection Cable, 5-wire, CE (100m/328ft reel)
XE.ID.9999911	AC XB Interconnection Cable, 5-wire, UL (100m/328ft reel)

TX POWER

Model No.	Description
XB.AC.2300000	XB Shield AC Data Injector
XE.IF.9999910	AC XB Power Cable, 3-wire, CE (100m/328ft reel)
XE.IF.9999911	AC XB Power Cable, 3-wire, UL (100m/328ft reel)
XB.AC.2306000	3-pin Field Installable Connector Socket IP66