SPOTMAX™
product sheet

ASTERA
Pioneer of Light

SAMSUNG

PHILIPS

KHATOD®
Optical Solutions for LED Lighting

NEUTRIK

LumenRadio

135W LED Power	up to **20** Hours of Operation	**50,000** Hours LED Life	**13°** Beam Angle
10,400 Lux at 2m	**IP65** Water Resistant	**92** High CRI	**RGBAW** Philips LEDs
TruColor Calibration	**9** Khatod Lenses	**300m** Range	**3-in-1** Diffusor Options

The elite in wireless technology

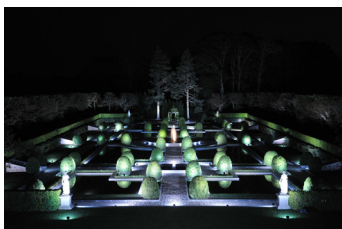**SpotMax™**   **AX10**

Bringing together years of knowledge in wireless lighting and German engineering, the SpotMax™ is the most advanced in wireless lighting. Benefits include:

- RGBAW Philips LEDs
- 3 Multi-purpose Diffusor Options
- TruColor™ Calibration
- Dynamic Power-boost
- Temperature Compensation
- IP65 Water-resistant
- Waterproof Charging
- Long-life SAMSUNG Battery
- High-end Khatod Lenses
- Extremely high luminous power
- Uniquely designed foldable stand

RGBAW

IR

RF   DMX

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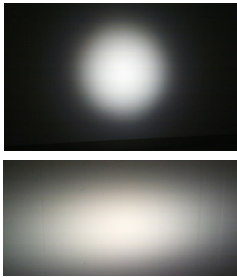
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RGBAW

TruColor™ Calibration

TruColor™ Calibration
The TruColor™ technology within the SpotMax™ is what makes it so groundbreaking in the wireless LED industry. Years of research have been spent on perfecting this advanced ability. In basic terms, the TruColor™ Technology is a system of adjusting and enabling the LEDs to produce precise and consistent colors. To adjust to differing environments or when the LEDs get warm, the TruColor™ technology compensates for this and no difference will be seen in the color being shone.

Beam Versatility
The SpotMax™ contains a holder on its face for placing diffusor lenses. This means that the SpotMax™ can produce any of three effects; a perfect 13° spot, a 32° wide angle spot, and a linear wallwash effect (17° x 46°), making the SpotMax™ the perfect, all-inclusive spotlight for event illumination.

Dynamic Power-boost
The TruColor™ Calibration includes a dynamic power-boost feature, which increases power output (brightness) while maintaining the color point. This means that the SpotMax™ can simultaneously achieve unparalelled intensity and exact color matching, which is extremely rare for spotlights in this price range.

SAMSUNG **PHILIPS**
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Established Global Brands
The SpotMax™ is able to achieve such natural colors and immense brightness due to years of research into TruColor™ Technology, but also due to using the world's best technological components. Included in this are long-life SAMSUNG batteries, high luminous Philips LEDs, precise 13° lenses from optical specialist, Khatod, and Powercon True1 waterproof connectors from Neutrik.

Complete and Outdoor Control
The SpotMax™ is capable of being controlled by all Astera controllers, including the AsteraTouch™. It can also be controlled by CRMX Wireless DMX by LumenRadio, and by W-DMX by Wireless Solutions, as well as the Astera ART3 Wireless DMX Transmitter, which makes the SpotMax™ the compehensive spotlight for stage and event lighting.

The SpotMax™ can also be used outdoors due to its IP65 certified housing, even when charging. Due to the Powercon True1 Neutrik connectors used, the SpotMax™ is completely waterproof.

LumenRadio

Color Rendering Index
Possibly its biggest advancement is in the area of the color rendering index; this is the system for identifying how clear and bright the LED beam is compared to normal midday sunlight. The SpotMax™ can reach as high as 92Ra on the CRI. This is extraordinarily high for a wireless spotlight, with most competitors not even listing it on account of it being too low.
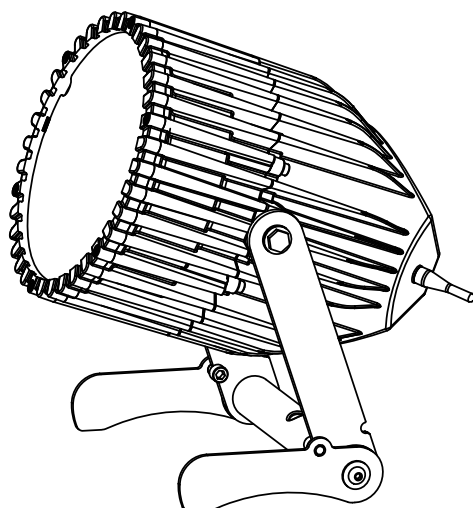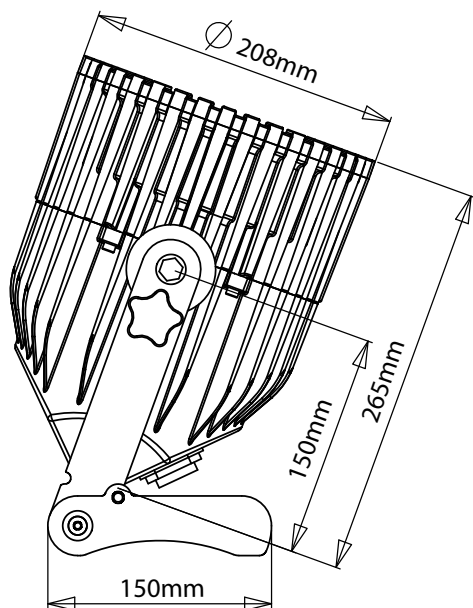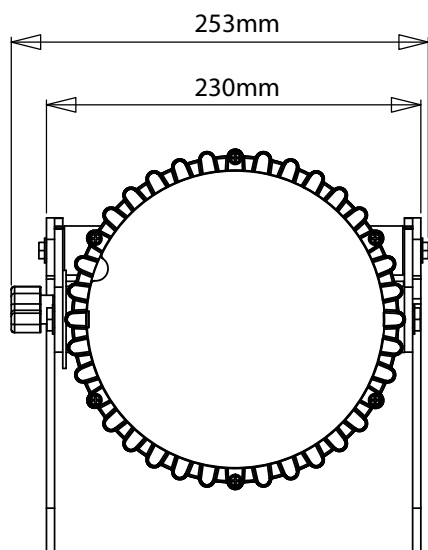
Standard
RGB

Standard
RGBW

SpotMax™
with TruColor™ Calibration

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Pioneer of Light

SpotMax™

253mm

230mm

Ø 208mm

265mm

150mm

150mm

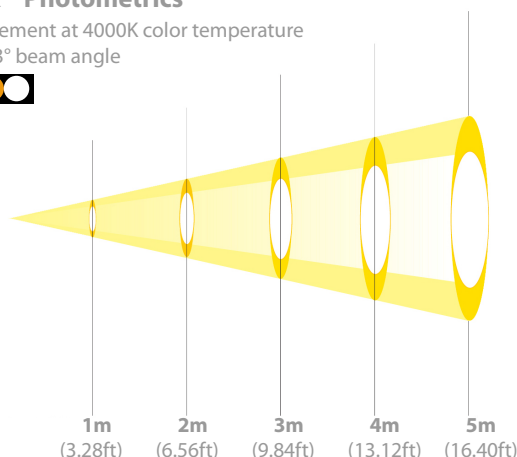## Technical Specification

The SpotMax™ contains 9 RGBAW Philips LEDs, each containing 15W of LED power, totalling an impressive 135W LED power.

Illuminants:	9 x 15W RGBAW Philips LEDs
Total LED Power:	135W
Light Output:	3,350 lm at 4000K
typical values	3,150 lm at 6500K
	3,100 lm at 7500K
Luminous Emittance:	10,350 lx at 2m
typical values	4,700 lx at 3m
	1,800 lx at 5m
CRI:	92 at 3000K (60%-70% intensity)
typical value	
Strobe:	0-25Hz
Beam Angle:	13° (achieved through Khatod lenses)
Battery:	Built-in Samsung battery
Battery Lifetime:	70% capacity (after 300 charging cycles)
Operation:	5-20 hours
LED Lifetime:	50,000 hours
Working Voltage:	Input 110-240V, 50/60Hz
Power Consumption:	170W (maximum)
Wireless Module:	868MHz receiver (US: 902-928MHz)
	2.4GHz wireless module
Range:	300m (330yds)
DMX Interface:	CRMX Wireless DMX from LumenRadio,
	W-DMX from Wireless Solutions or
	Wireless DMX (with ART3 Transmitter)
Connector:	Neutrik Powercon True1 In/Out
Housing:	Water-resistant cast aluminium
IP Rating:	IP65
Relative Humidity:	0-100% (non-condensing)
Operating Temperature:	0°-40°C (32°-104°F)
Weight:	8.14kg (18lbs)
Dimensions:	L279mm x H296mm x W253mm
	L10.9" x H11.6" x W9.9"
Environment:	Indoor / Outdoor
Features:	

TruColor™ Calibration, Temperature compensation, Dynamic power-boost, Auto-white, Auto-amber, Dual antennas

Included Accessories:	Power Cord, 2 x Diffusor Sheets
Also Available:	Charging Case (holds 4)

SpotMax™ Photometrics
Lux measurement at 4000K color temperature
Standard 13° beam angle

	1m (3.28ft)	2m (6.56ft)	3m (9.84ft)	4m (13.12ft)	5m (16.40ft)
Light Spread	0.228m	0.456m	0.684m	0.911m	1.14m
Coverage Area	0.04m²	0.16m²	0.36m²	0.65m²	1.02m²
Lux	34,400	10,370	4,700	2,760	1,810

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