

# LIGHTDROP™

## product sheet

**CREE**  
LEDs

**KHATOD**  
Optical Solutions for LED Lighting

LumenRadio



also a free-standing spotlight

Suitable Controllers



### Powerful and compact wireless light

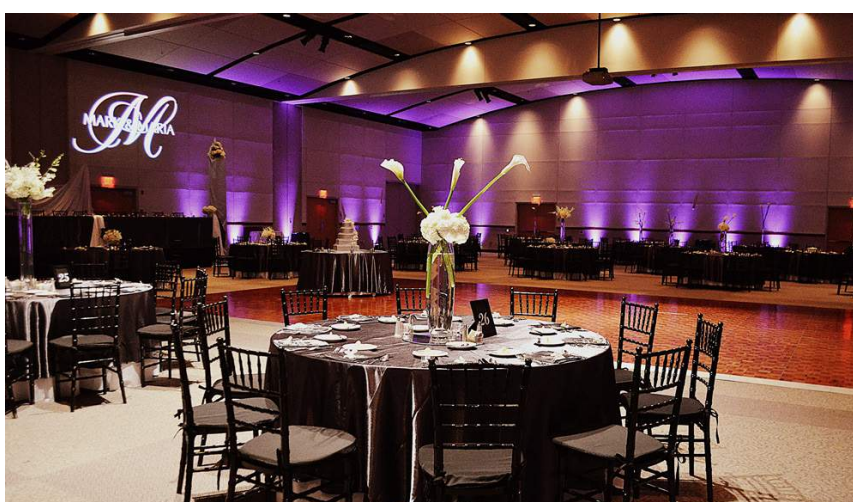
Lightdrop™

AX3

The Lightdrop™ has undergone an X-Series makeover. This is an easy to use, RGBW wireless puck spotlight has a magnetic underside so it can be attached to walls or under tables, or hung from ceilings by its bracket, and it can be used as an angled spotlight as in the image above.

15W LED Power	up to 20 Hours of Operation	50,000 Hours LED Life	13° Beam Angle
390 Lumen	IP65 Water Proof	300m Range	RGBW CREE LED
1,300 Lux at 2m	IR + RF Controllable	Wireless DMX Controllable	Magnetic Underside

- RGBW Cree LED Chip
- TruColor™ Calibration
- Dynamic Power-boost
- CRMX Wireless DMX optional
- IP65 Waterproof
- Long-life SAMSUNG Battery
- Extremely high luminous power
- Twice as bright as the AL3-M!



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### TruColor™ Calibration

The Lightdrop™ has achieved 100% color consistency through any batch. It can hit exact color temperatures and reproduce any LEE filter. The dynamic power-boost feature means the light is able to display the maximum brightness at all times (to achieve a set runtime) and intensify non-white colors.

### Quality Branded Components

The Lightdrop™ is able to achieve such natural colors and immense brightness due to using the world's best technological components. Included in this are long-life SAMSUNG batteries, high luminous Cree LEDs, and precision cut 13° lenses from optical specialist, Khatod.



Bracket for attaching to truss or other structures (clamp needed).



Detachable hooks for hanging



Underside magnet for attaching to table legs etc.

### Mounting Options

The Lightdrop™ can be mounted in various ways. It has a bracket to be attached to truss and related structures. It also has a **magnet on its underside**, so it can be attached to metallic surfaces like under tables, as down lights etc. The Lightdrop™ can also be **hung using the included hooks** that can be attached to its underside.



Diffusor Dome for 270° illumination inside objects



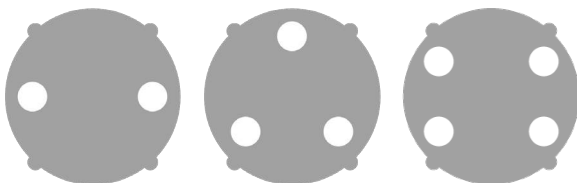
Adjustable tilt thread for wallwashing



Bracket to be used as adjustable stand for angled illumination

### Other Uses

The Lightdrop™ is able to fit inside translucent, light up furniture, with a **diffusor dome** (sold separately) it emits an even amount of light to each side of the object. It can also be used as an angled spotlight by adjusting its bracket to the desired angle. As well as this, it can be used as a mini wallwasher by using the **wallwash diffusor** (sold separately) and adjusting the 13° tilt thread to produce a slight incline towards the wall.



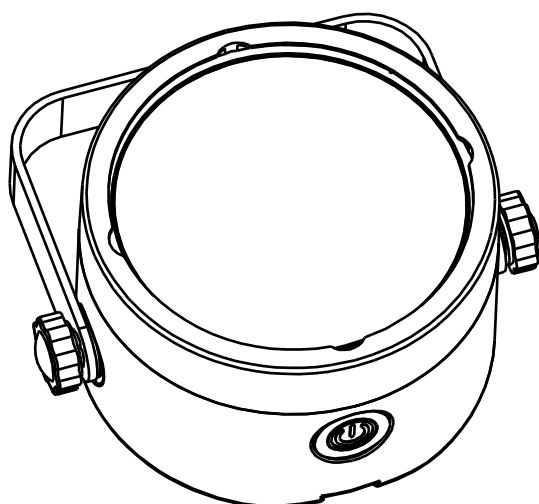
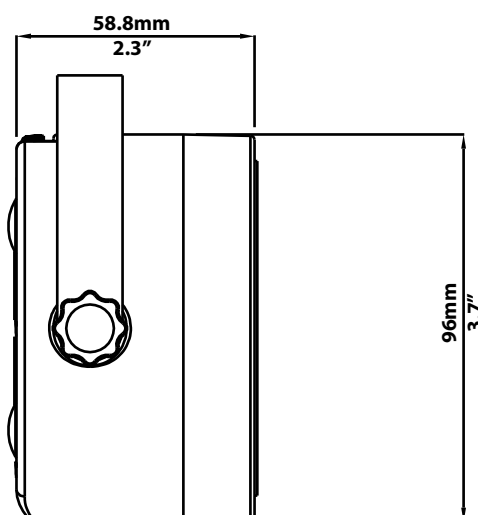
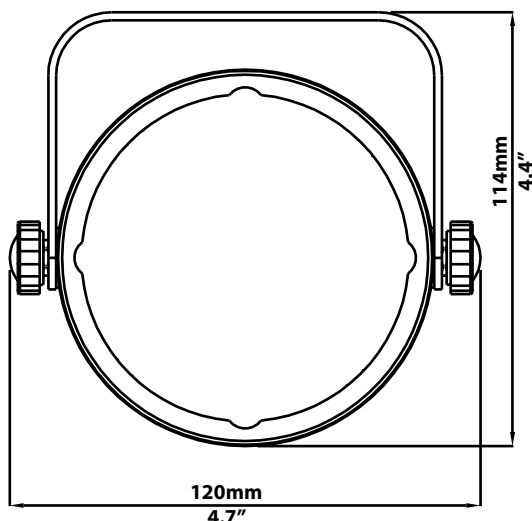
### Diffusors Sheets

The Lightdrop™ also has diffuser sheets, so in addition to its standard 13° beam angle, it also has a **30° flood effect**, and a **120° sheet** for inside objects.

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### LightDrop™



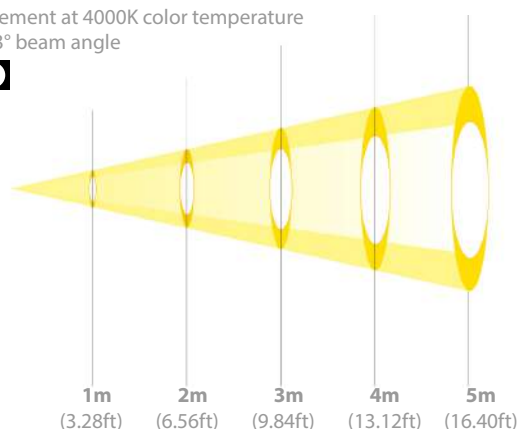
### Technical Specification

The Lightdrop™ is the brightest and compact spotlight for its size.

<b>Item Codes:</b>	AX3
<b>Total LED Power:</b>	AX3-CRMX (includes Lumen Radio CRMX)
<b>Luminous Flux:</b>	15W (1 x RGBW CREE LED Chip)
<i>typical values</i>	390 lm (White) 170 lm (Green)
<b>Illuminance:</b>	160 lm (Red) 56 lm (Blue)
<i>typical values at 2m</i>	1,300 lx (White) 930 lx (Blue)
<b>Strobe:</b>	590 lx (Green) 475 lx (Red)
<b>Beam Angle:</b>	0-25Hz
<b>Battery:</b>	13° (achieved through Khatod lens)
<b>Battery Lifetime:</b>	Built-in Samsung battery
<b>Operation:</b>	70% capacity (after 300 charging cycles)
<b>LED Lifetime:</b>	up to 20hrs (seamless runtime)
<b>Charging Time:</b>	50,000 hours
<b>Working Voltage:</b>	5-20 hours (depending on ambient temp)
<b>Input Current:</b>	Input 110-240V, 50/60Hz
<b>Wireless Module:</b>	2.5A at 5V
	868MHz receiver (US: 902-928MHz)
	2.4GHz wireless module
	300m (330yds)
<b>Range:</b>	No
<b>Wired DMX:</b>	Yes (with ART3 Transmitter)
<b>Astera Wireless DMX:</b>	Optional
<b>CRMX Wireless DMX:</b>	Polyamide / Polystyrene (heat conductive)
<b>Housing:</b>	IP65
<b>IP Rating:</b>	0-100% (non-condensing)
<b>Relative Humidity:</b>	0°-40°C (32°-104°F)
<b>Operating Temperature:</b>	0.679kg (1.4lbs)
<b>Weight:</b>	L120mm x H59mm x W114mm
<b>Dimensions:</b>	L4.7" x H2.3" x W4.4"
<b>Environment:</b>	Indoor / Outdoor
<b>Features:</b>	TruColor™ Calibration, Temperature compensation, Dynamic power-boost
<b>Included Accessories:</b>	Charger, 30° Flood & 120° Diffuser Sheet, Hooks, Bracket, Feet (x4), Socket Cover
<b>Also Available:</b>	17°x46° Wallwash, Diffuser Dome, Clamp

### Lightdrop™ Photometrics

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



<b>Light Spread</b>	0.228m	0.456m	0.684m	0.911m	1.14m
<b>Coverage Area</b>	0.04m²	0.16m²	0.36m²	0.65m²	1.02m²
<b>Lux</b>	3,000	1,300	--	--	--

**Spread (m):** The spread is the width of the light when it hits the flat surface.  
**Coverage Area (m²):** The coverage area is the size of the circular area that the light illuminates on the flat surface.  
**Lux:** is a measurement of the light intensity from a surface at any point.