



Datasheet

AX3 LIGHTDROP

Date: 13-Jul-2025 Version: 4.0



The AX3 is a battery operated, easy to use IP65 RGBW puck aimed at stage lighting and corporate events. It can be used as uplight as well as hanging or standing spotlight and inside translucent objects, truss, etc. It is extremely compact and yet offers a high brightness paired with long battery runtime and range.



App



Wireless DMX



Max 20h



IP65

SPECIFICATIONS

Order Code	AX3-CRMX	AX3-BTB
LED Engine		RGBW
Colors		RGBW
Total LED Power		15 W
Luminous Flux 3200K		430 Lumens
Light Output 3200 K @ 2m		1 300 Lux
CRI (Ra)/ TLCI 3200- 6500 K*		≤88
Beam Angle		13°
Field Angle		22°
Strobe		0 - 25 Hz
Battery Runtime		up to 20 hours
Battery Lifetime		70 % after 300 cycles
Charging Time (nominal)		7 hours
DC Input		5 VDC - 2.5 A
DC Connector		5.5 mm x 2.5 mm
Wired DMX		No
CRMX Receiver		Built-in
BluetoothBridge BTB	No	Built-in
Wireless Protocols	CRMX, UHF	CRMX, UHF, Bluetooth, WiFi
Wireless Range	CRMX/UHF up to 300 m / 330 yds	CRMX/UHF up to 300 m / 330 yds Bluetooth up to 3 m / 3.3 yds
Infrared Control		Yes
IP Rating		IP65 (only with Waterproof Protection Cover (AX3-SP))
Ambient Operating Temperature		0 - 40 °C / 32 - 104 °F
Weight		0.68 kg / 1.4 lbs
Dimensions with bracket (L x W x D)		120 mm x 59 mm x 114 mm / 7.4" X 2.3" X 4.4"
Dimensions without bracket (Ø x H)		Ø 95 mm x 59 mm / Ø 3.7" x 2.3"
Mounting Options	Magnet, 3x M4 threads, Bracket (with 1x 3/8" - 16 UNC thread, 2x 1/4" - 20 UNC threads)	

All specifications provided are typical values and maybe subject to change without prior notice.

RF CHARACTERISTICS AX3

Wireless Modules	EU: UHF*** (863-870MHz)	USA: UHF (917-922.20MHz)	AUS: UHF (922.30-927.50MHz)	SGP: UHF (920.50-924.50MHz)	KOR: UHF (917.9-921.5MHz)
Modulation	FHSS	FHSS	FHSS	FHSS	FHSS
ERP (Transmitter)	<25mW	<25mW	<25mW	<25mW	<25mW
Channel Count	47	53	53	41	10

Wireless Modules	RUS: UHF (868.75-869.12MHz)	JPN: UHF (922.80-926.40MHz)	CRMX (2402-2480MHz)
Modulation	FHSS	FHSS	FHSS
ERP (Transmitter)	<25mW	<25mW	-
Channel Count	6	19	79

***General allocation of frequencies for use by short-range radio applications

RF CHARACTERISTICS AX3-BTB

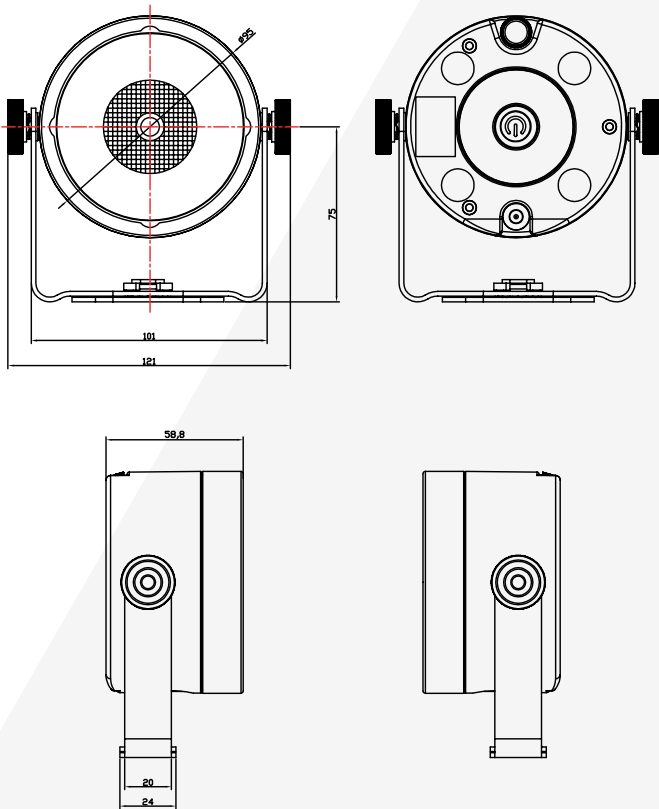


Wireless Modules	EU: UHF*** (863-870MHz)	USA: UHF (917-922.20MHz)	AUS: UHF (922.30-927.50MHz)	SGP: UHF (920.50-924.50MHz)	KOR: UHF (917.9-921.5MHz)
Modulation	FHSS	FHSS	FHSS	FHSS	FHSS
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Channel Count	47	53	53	41	10

Wireless Modules	RUS: UHF (868.75-869.12MHz)	JPN: UHF (922.80-926.40MHz)	CRMX (2402-2480MHz)	Bluetooth 5.0 LE (2402-2480MHz)	WiFi (2412-2472MHz)
Modulation	FHSS	FHSS	FHSS	FHSS	DSSS, OFDM
ERP (Transmitter)	<25mW	<25mW	-	10mW (BLE)	<100mW
Channel Count	6	19	79	40	13

***General allocation of frequencies for use by short-range radio applications

DRAWINGS



ACCESSORIES

Adapter Disk

AAX3-AD



Weight (1pc): 0.16 kg / 0.35 lbs

Diffuser Dome

AX3-DDM

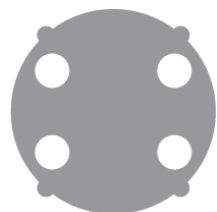


Combine AX3 with AX5 Dome



Wallwash Filter (17°x46°)

AX3-WWDSK



Flood Filter (30°)

AX3-DDSK-30



Diffuser Filter (120°)

AX3-DDSK-120



Charging Case

AX3-CHRCSE



Weight: 5.6 kg / 12.3 lbs

Dimensions

520 mm x 400 mm x 140 mm /
20.5" x 15.7" x 5.5"

Full case



Contents

1x AX3 Lightdrop
(AX3-CRMX)
1x 30° Flood Filter
(AX3-DDSK-30)
1x 120° Filter
(AX3-DDSK-120)
3x Hooks
(AX3-EBLT)
3x Rubber feet
(AX3-RBF)

1x AX3 PSU
(AX3-CHR)
1x Floor stand
(AX3-STA)
1x Waterproof protection cover