



Datasheet

NYX BULB

Date: 13-Jul-2025 Version: 3.0



The first color-tunable LED bulb for professional film, stage and event productions. Not bigger than a normal LED bulb, it contains a CRMX receiver as well as RF and Bluetooth modules for the AsteraApp. It can be powered via lamp socket or with a standard power bank and thanks to its Titan LED engine it displays precise colors and white tones with ultra-high CRI and TLCI. Available in white and black.



App



Wireless DMX



IP44

SPECIFICATIONS

Order Codes	FP5-E26, FP5-E27, FP5-B22
Order Codes Black Edition	FP5-E26-B, FP5-E27-B, FP5-B22-B
LED Engine	Titan LED Engine
Colors	RGBMintAmber
Incandescent Equivalent	60 W
LED Power Draw	10 W
Luminous Flux 3200K	618 Lumens
Luminous Flux 4000K	750 Lumens
Luminous Flux 5500K	683 Lumens
Light Output 3200 K @ 1m	114 Lux
Light Output 5500 K @ 1m	124 Lux
CRI (Ra)/ TLCI 3200- 6500 K*	≥96
Beam Angle	155°
Field Angle	205°
Strobe	0 - 25 Hertz
DC Input	5-18 VDC, 2.1 A
DC Connector	3.5 mm x 1.35 mm
AC Input	FP5-E26: 100-120 VAC, FP5-E27: 100-240 VAC, FP5-BC: 100-240 VAC
AC Connector	E27 (EU) / E26 (US) / BC (on special order)
Wired DMX	No
CRMX Receiver	Built-in
BluetoothBridge BTB	Built-in
Wireless Protocols	CRMX, UHF, Bluetooth
Wireless Range	CRMX/UHF up to 100 m / 110 yds Bluetooth up to 3 m / 3.3 yds
Infrared Control	Yes
IP Rating	IP44: connected via AC + FP5-SP in DC socket IP20: connected via DC socket
Ambient Operating Temperature	0 - 40 °C / 32 - 104 °F
Weight	240 g / 0.53 lbs
Dimensions (Ø x L)	Ø 70 mm x 130 mm / Ø 2.76" x 5.12"
Mounting Options	E26/27/BC socket

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



RF CHARACTERISTICS

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

Wireless Modules	KOR: UHF (917.9-921.5MHz)	RUS: UHF (868.75-869.12MHz)	JPN: UHF (922.80-926.40MHz)	CRMX (2402-2480MHz)	Bluetooth 5.0 LE (2402-2480MHz)
Modulation	FHSS	FHSS	FHSS	FHSS	FHSS
ERP (Transmitter)	<25mW	<25mW	<25mW	-	10mW (BLE)
Channel Count	10	6	19	79	40

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

NYX BULB AS TRANSMITTER

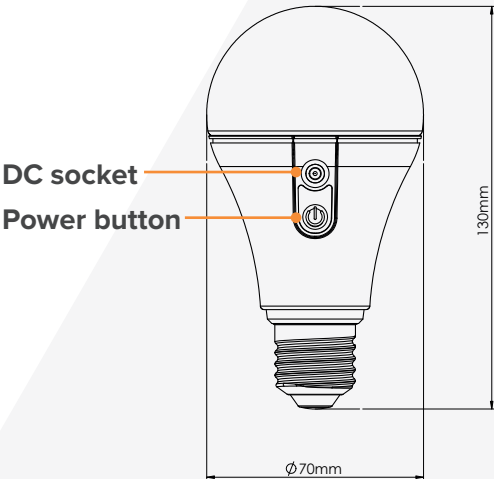
Connect directly to a NYX Bulb via Bluetooth. This Master light will revert AsteraApp commands to all other NYX Bulbs and other Astera lights via UHF band.

AVAILABLE NOW VIA
SOFTWARE-UPDATE

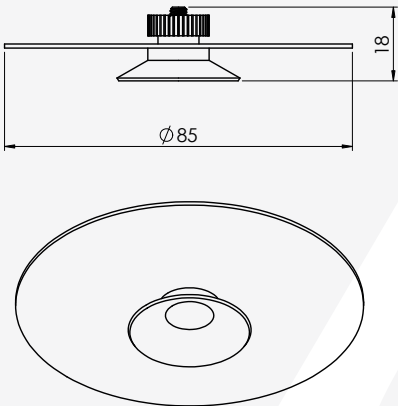


DRAWINGS

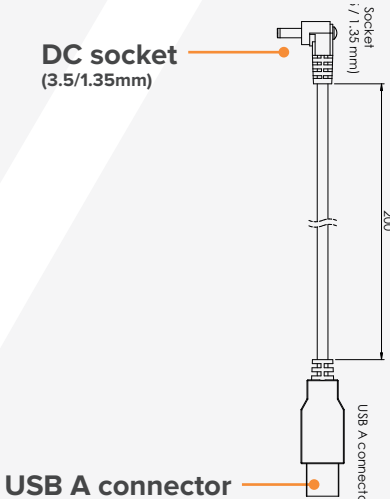
NYX Bulb



CupBouncer



USB Cable



ACCESSORIES

USB DC Cable
FP5-USBC



CupBouncer
FP5-CPB



PowerStation
FP5-PS



NYX Bulb Case
FP5-CSE



TYPICAL SPECTRAS

