Datasheet

SOLA BULB

SolaBulb is a rainproof, zoomable Fresnel-based spotlight bulb that works on DC and AC current, with a dettachable snoot and full compatibility with Astera's PowerStation.

Wireless DMX   **IP44**   **App**

SPECIFICATIONS

Order Code	AST-BLBSL-E27 / -E26 / -B22
LED Engine	Titan LED Engine
Colors	RGBMintAmber
LED Power Draw	15 W
Incandescent Equivalent	50 W PAR Bulb
Luminous Flux 2700 K	279 Lumens
Luminous Flux 3200 K	353 Lumens
Luminous Flux 4000 K	347 Lumens
Luminous Flux 5500 K	394 Lumens
Luminous Flux 6500 K	376 Lumens
Light Output 5500 K 15° @ 1m	5 228 Lux
Light Output 5500 K 30° @ 1m	1 652 Lux
Light Output 5500 K 50° @ 1m	615 Lux
CRI (Ra)/ TLCI 3200- 6500 K	≥96
Beam Angle	15° - 50°
Field Angle (max.)	23° - 73°
Strobe	0 - 25 Hertz
DC Input	9 - 18 VDC - 2.1A MAX
DC Connector	3.5 mm x 1.35 mm
AC Input E26 / 27	100 - 240 VAC, 50 / 60 Hertz, 0.15 A / 230 VAC
AC Input B22	100 - 240 VAC, 50/60 Hertz, 0.15 A / 230 VAC
AC Connector	E27 / E26 / B22
Power Consumption (max.)	16.5 W
CRMX Receiver	Built-in
BluetoothBridge BTB	Built-in
Wireless Protocols	CRMX, UHF, Bluetooth, WiFi
Wireless Range	CRMX / UHF up to 100 m / 110 yds Bluetooth up to 3 m / 3.3 yds
RDM Support	Wireless
Infrared Control	Yes

IP Rating unwired	IP20: connected via DC socket IP44: connected via AC + FP5-SP in DC socket
Dimensions (L x W x D) (zoom in)	114.6 mm x 91.8 mm x 91.8 mm / 4.51" x 3.61" x 3.61" (E26) 117.6 mm x 91.8 mm x 91.8 mm / 4.63" x 3.61" x 3.61" (E27) 116.2 mm x 91.8 mm x 91.8 mm / 4.57" x 3.61" x 3.61" (B22)
Dimensions (L x W x D) (zoom out)	134.6 mm x 91.8 mm x 91.8 mm / 5.3" x 3.61" x 3.61" (E26) 137.6 mm x 91.8 mm x 91.8 mm / 5.42" x 3.61" x 3.61" (E27) 136.2 mm x 91.8 mm x 91.8 mm/ 5.36" x 3.61" x 3.61" (B22)
Ambient Operating Temperature	0 - 40 °C / 32 - 104 °F
Weight	433 g / 0.955 lbs
Mounting Options	3/8" - 16 UNC thread, 1/4" - 20 UNC thread, E26/E27 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)	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

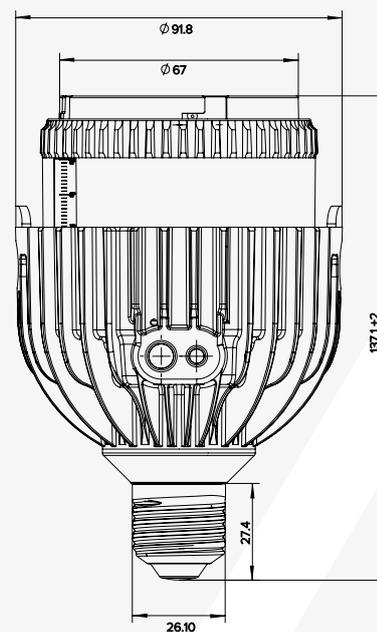| Wireless Modules	RUS: UHF (868.75-869.12MHz)	JPN: UHF (922.80-926.40MHz)	CRMX (2402-2480MHz)	Bluetooth 5.0 LE (2402-2480MHz)	WiFi (2412-2472MHz)
Modulation	FHSS	FHSS	FHSS	FHSS	DSSS, OFDM
ERP (Transmitter)	<25mW	<25mW	-	10mW (BLE)	<100mW
Channel Count	6	19	79	40	13

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

DRAWING

Flood
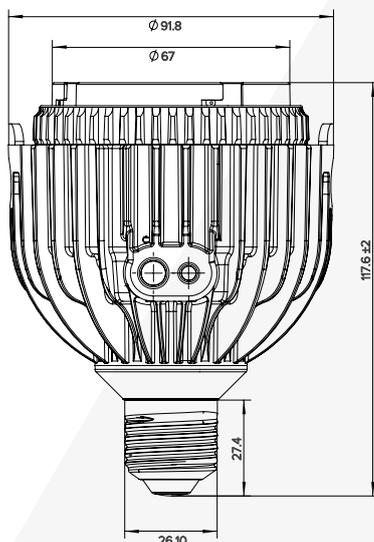
Spot

*B22 version has a different thread.

DRAWING WITH SOLA SNOOT

⌀ 71
⌀ 91.8

36.5

SolaSnoot

147.6 ±2

27.4

26.10
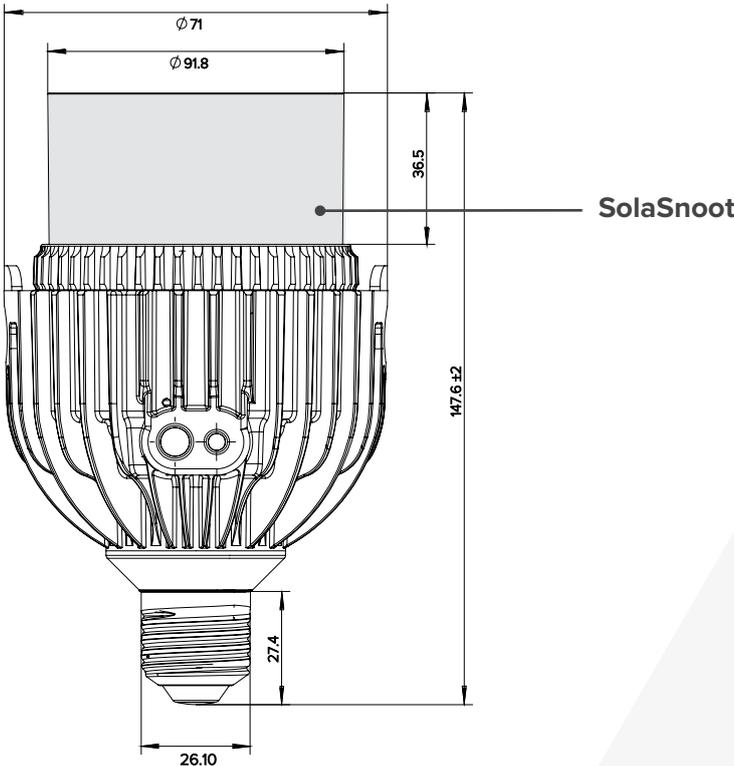
ZOOM RANGE

The zoom range is 15° - 50°
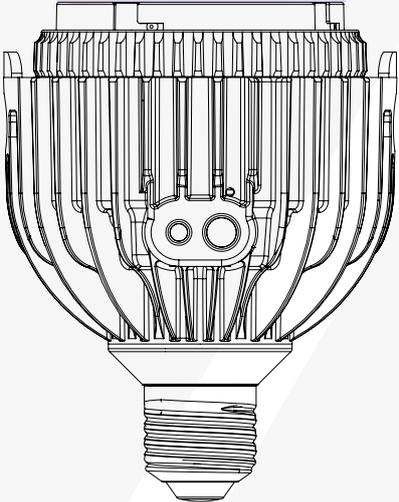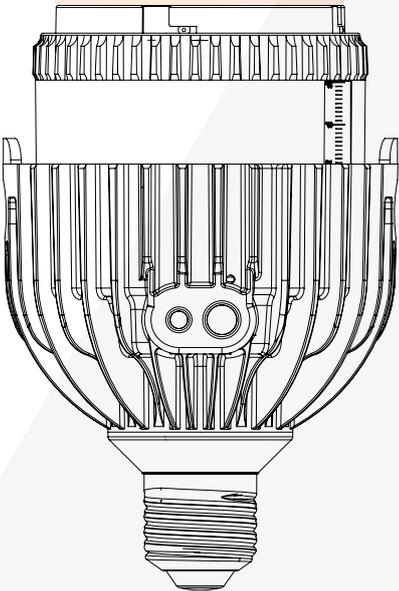
ACCESSORIES

SolaSnoot
AST-BLBSL-SN

PowerStation
FP5-PS

Features

- Display and keypad to program bulbs
- Battery pack for bulbs
- Mounting accessory for bulbs

D-Tab SplitCable
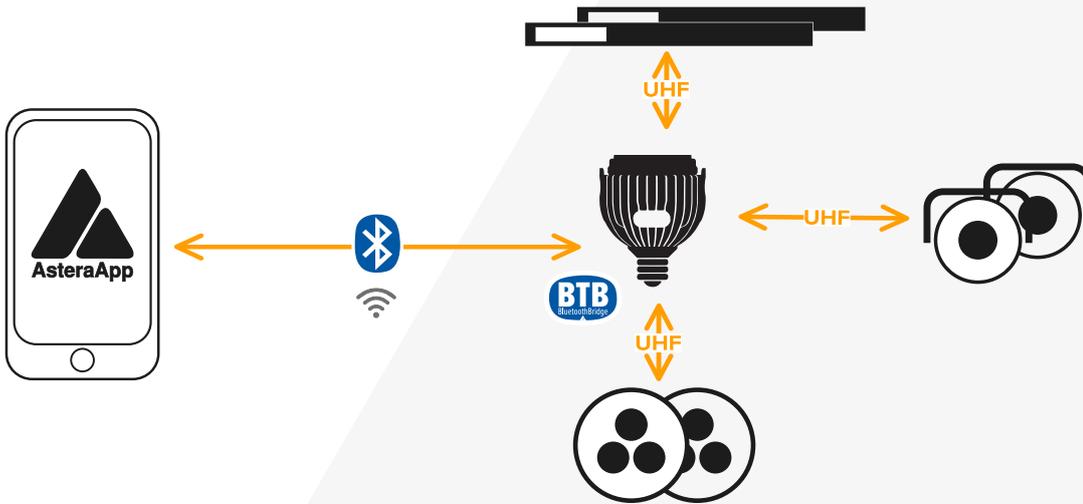FP5-DTSC

SolaBulb Kit
AST-BLBSL-KIT

Contains

8x SolaBulb
(AST-BLBSL)
(E26 / E27 and B22 versions are available.)

8x Snoot
(AST-BLBSL-SN)

1x PowerStation
(FP5-PS)

1x D-Tap SplitCable
(FP5-DTSC)

SOLABULB AS BLUETOOTH BRIDGE

Setup and configuration are done using the SolaBulb. The lights can be wirelessly controlled via CRMX, Astera's app, BTB link, or White and FX Remotes.

TYPICAL SPECTRAS

CRI (Ra): 98 CRI (Re): 97   TLCI-2012: 98   3200K

CRI (Ra): 98 CRI (Re): 96   TLCI-2012: 97   4000K

CRI (Ra): 96 CRI (Re): 94   TLCI-2012: 97   5500K