

## ZOBO Series – Z1 and Z2 Full-Color LED Bluetooth® Lamps



The Luxium™ ZOBO Series is a family of unique PAR30 spot lights with wireless Bluetooth control and a mobile device app. ZOBO is great for event and ambiance lighting. It merges an innovative high-output LED lighting module and efficient color-adjustment system inside a traditional PAR30 form factor. The ZOBO lights produce deluxe illumination with full-spectrum color-mixing and smooth dimming effects. It is controlled by a wireless Bluetooth interface that uses the Luxium mobile device app. The Z2 is a full-power lamp with 1800 lumens output using only 22 Watts. The Z1 uses just 12 Watts of power and outputs 1100 lumens. Both lamps have wide color range and selectable calibrated whites from warm to cool with high CRI.

### KEY FEATURES

- High-performance, additive color LED lamp for standard PAR 30/38 screw-in fixtures and cans
- Extreme color gamut with use of custom 6-ch LED system using Cyan and Lime for more colors.
- Uses both color and white LEDs to achieve warm to cool range of whites and pastel colors.
- No flicker and full-range output of different colors or white light output with smooth dimming
- Wireless remote control through Bluetooth mobile app
- High quality color rendering with adjustable beam angles and uniform color-mixing

### OPTICAL

- Exclusive internal dimming system for smooth fades from 100% down to 0.1%
- Multiple life-time calibrated CCT points from 2200K to 6500K with up to 97 CRI
- Proprietary color LED control system for no flicker and industry-leading color tuning
- High-intensity LEDs with greater than 80 lumens/watt lighting efficacy
- Standard Spotlight 19 degree beam for uniform white or color floodlight illumination
- Works with a diffuser kit option for beam shaping: Narrow Flood, Flood, Wide Flood, Broad, Oval

### CONTROL

- Wireless Bluetooth control of individual lamps or grouped lamps
- Bluetooth for dimming and to choose pre-defined colors/sequences, set groups, define custom colors
- Luxium™ mobile app and an iOS mobile device using Bluetooth needed for control
- Digital dimming from 100% to 0.1% (not compatible with line-power dimming circuits)

### ELECTRICAL

- AC or DC operation with input of 85-264VAC / 50-60Hz, 100-370VDC
- Designed to meet UL safety standards, CE and IP20 ratings.

### MECHANICAL

- E26, Edison-type screw-in base
- PAR30 long-neck form factor
- Durable, paintable, cool-to-touch polymer housing

## SPECIFICATIONS:

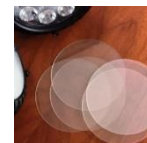
Beam Output and Shape	ZOBO Z1	ZOBO Z2
Max White Flux (lumens)	1100	1800
Max White Illuminance (Lux@2m)	1569	2569
Calibrated CCT Range	2200K – 6500K	2200K – 6500K
Beam@FWHM /Field angle (degrees)	19 / 37	19 / 37
Beam angle w / Optional diffusers	24, 29, 47, oval	24, 29, 47 oval
LED emitters (custom 6-ch system)	12 x 3W RGBCLW	12 x 3W RGBCLW
Beam width (meters) @ 3.0m (10')	1.3m	1.3m
Mechanical and Environments		
Cooling	Passive	Active
Housing Material	PC/ABS	PC/ABS
Lens Material	Polycarbonate	Polycarbonate
Weight	0.22 kg (0.5 lb.)	0.22 kg (0.5 lb.)
Max Ambient Operating Temperature	40°C (105°F)	40°C (105°F)
Power and Control		
Current max (A)	0.11 @110V	0.19 @110V
Voltage (operating range)	110/240 VAC, 60Hz	110/240 VAC, 60Hz
Power Consumption (Watts)	0.1W to 12W	0.1 to 22W
Efficacy (lumens/watt)	>80 L/W	>80 L/W
Pre-programmed colors	12	12
Pre-programmed sequences	8	8
Remote Communication Methods	Bluetooth + app	Bluetooth + app

## ORDER CODE:

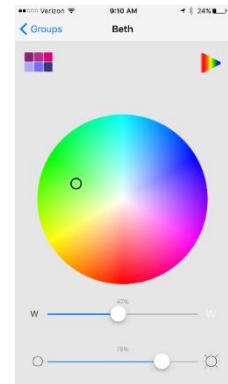
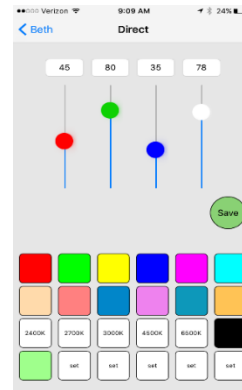
Platform	Performance Level	Case Color
<b>ZOBO</b>	<b>Z1 and Z2</b>	<b>B</b>
ZOBO = lamp series	1 – Medium, 2 - High	B = black, W = White

## OPTIONAL ACCESSORIES:

- DK1 - Diffuser Kit with interchangeable micro-lens sheets to change beam angle from narrow flood to wide flood or elliptical shape.
- LC1, LC2 - Lamp cage with socket and cord and optional clamp for mounting ZOBO to structures.



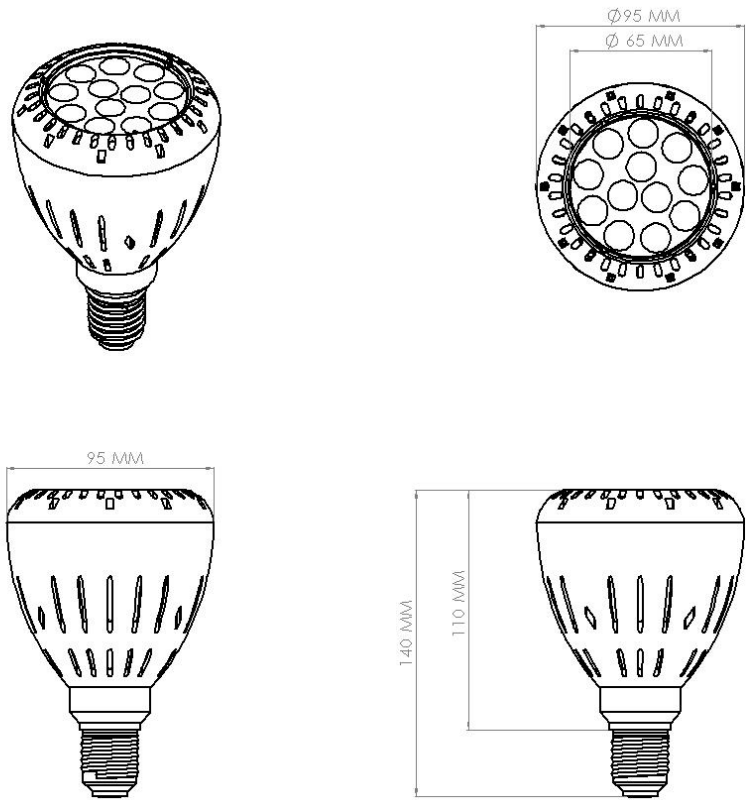
**WIRELESS BLUETOOTH CONTROL SYSTEM**



Multiple ZOBO lamps can be configured as groups (up to 7 units/group) or stand-alone

Bluetooth App by Luxium uses Android or Apple iOS. Control with pre-set static colors and sequences or adjust with color wheel/slider interface. Able to turn-on with saved color.

**DIMENSIONS**



**PHOTOMETRICS**

ZOBO – Z2 Typical ratings

Color Point	Flux	Illuminance
	Field Lumens	<a href="#">LUX@2m</a>
Red	400	2390
Green	410	2464
Blue	170	1000
Full RGBCLW	1800	2569
2400K CCT	1210	1830
2700K CCT	1117	1693
3000K CCT	1056	1600
4500K CCT	873	1323
6500K CCT	1316	1993

