

ZOBO - ZR30, ZR20

Color-Adjustable DMX Controlled Lamps



The Luxium™ ZOBO - ZR30 and ZR20 are unique patented stage lamps / architectural floodlights that merges an innovative high-performance LED lighting module and control system inside a traditional PAR30 form factor. The ZR family of LED lamps produce luxurious illumination with full-spectrum color-mixing (HX, AX and DX models), or calibrated white CCTs (AW and DW models), no flicker and smooth dimming effects controlled via a wired or wireless DMX interface. The ZR30 includes Wired DMX connections and option for wireless DMX plus DIP switch address setting. The ZR20 includes wireless DMX with DIP switch address setting but no wired DMX connection.

KEY FEATURES

- High-performance, mixed-color RGLW LED lamp for standard PAR 30/38 screw-in fixtures and cans
- No flicker and full-range output of colors or calibrated white CCTs with smooth dimming
- Wireless or wired control for DMX systems or utilize pre-set operating modes
- High quality color rendering with adjustable beam angles and uniform color-mixing
- Only 22W of power for 1800 lumen white output, advanced cooling extends LED life

OPTICAL

- Multiple life-time calibrated CCT points with up to 97 CRI white light
- Proprietary 6-channel LED control system for no flicker and industry-leading color tuning
- Twelve high-intensity LEDs with greater than 80 lumens/Watt lighting performance
- Standard 19-degree beam for uniform white or color floodlight illumination
- Works with a diffuser kit option for beam shaping: 24°, 29°, 47°, broad and oval diffusers

CONTROL

- ZR30 has DMX Wired control with DMX512 interface using RJ-45 connectors
- ZR30 can also be ordered with wireless DMX control using the embedded Luxium ZMX receiver
- ZR20 uses the embedded Luxium ZMX receiver for wireless DMX control.
- ZR20 and ZR30 use DIP switch for setting DMX address and stand-alone operation modes.
- Standalone operation capability for preset color modes and sequences
- Internal 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, 22W max. power load

MECHANICAL

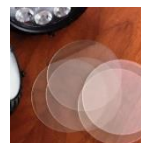
- E26, Edison-type screw-in base
- Durable, paintable, cool-to-touch polymer housing
- Threaded M3 inserts for interchangeable diffuser / snoot attachment
- Designed for over 30,000 hours of operation

SPECIFICATIONS

Operating Modes (AX1, DX1)	
Blended-Color	4-channel or 6ch DMX512
Selectable-White	12 Static CCT's
Selectable-Color	12 Static RGLW
Sequences	8 pre-programmed sequences
Beam Output and Shape	
Max White Flux (lumens)	1800
Max White Illuminance (Lux@2m)	2569
Calibrated CCT Range	2200K – 6500K
Beam @ FWHM /Field angle (degrees)	19 / 37
Beam angle w / Optional diffusers	24, 29, 47 oval
LED emitters (custom 6-ch system)	12 x 3W RGLW
Beam width (meters) @ 3.0m (10')	1.3m
Mechanical	
Cooling	Active convective
Housing Material	PC/ABS
Lens Material	Polycarbonate
Weight	0.22 kg (0.5 lb.)
Max Ambient Operating temperature	40°C (105°F)
Electrical	
Current max (A)	0.19 @110V
Voltage (operating range)	110/240 VAC, 60Hz
Power Consumption (Watts)	0.1 to 22W
Efficacy (lumens/watt)	>80 L/W
Remote Communication methods	Bluetooth or Wireless DMX

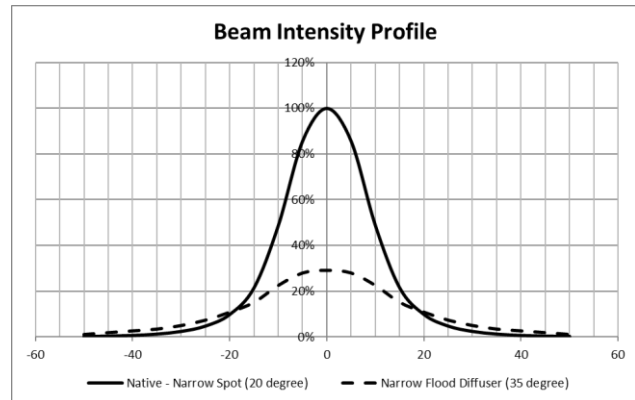
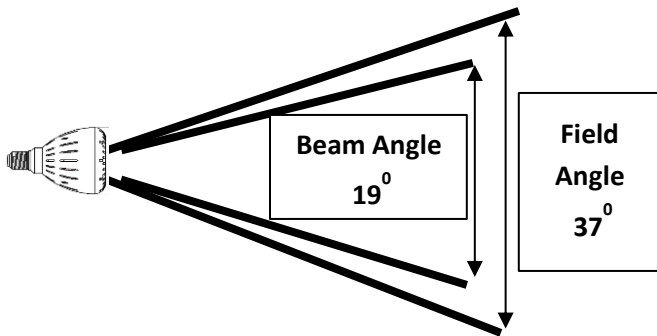
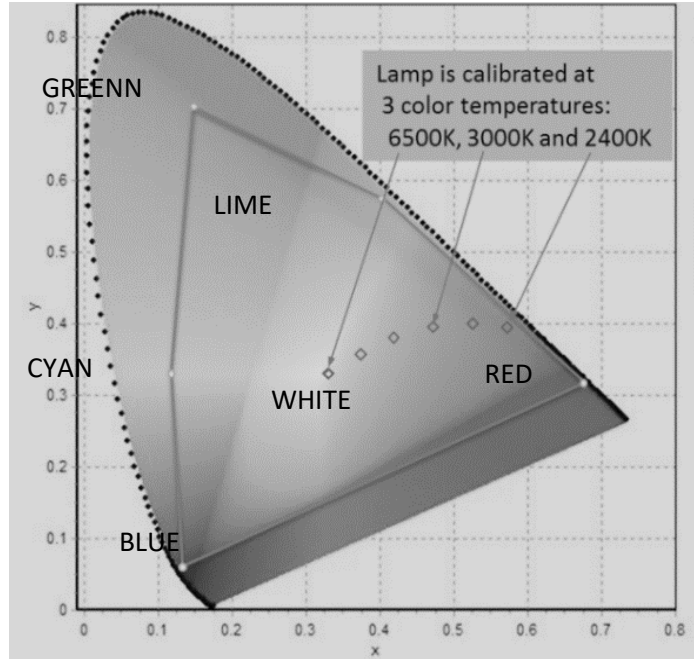
OPTIONS

- DK1 - Diffuser Kit with interchangeable micro-lens sheets to change beam angle from narrow flood to wide flood or elliptical shape.
- LC1 - Lamp cage with socket and cord for mounting ZOBO to structures.
- W-DMX – The Z3 can be ordered with a W-DMX wireless DMX receiver in place of the Luxium ZMX receiver.



PHOTOMETRICS

Color Point	Flux	Illuminance
	Field Lumens	LUX@2m
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



Note: Full photometric data available on request

DIMENSIONS

