

## ZOBO – ZQ40

# Blended Beam RGLBW Retrofit with Wireless Control

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The Luxium™ ZOBO – ZQ40 is a unique patented retrofit PAR30 lamp. The ZQ merges a homogenized RGLBW 48W LED array and high-resolution dimming module with industry leading efficacy inside a traditional PAR30 form factor. The ZQ family of LED lamps produce uniform illumination with full-spectrum color-mixing or calibrated white CCTs with no flicker and smooth dimming effects controlled via a wireless 2.4GHz radio interface. The ZQ40 can be configured with an internal wireless DMX module along with DIP switch mode setting or use of Bluetooth and a mobile app for convenient operation.



### KEY FEATURES

- High-performance, blended RGLBW 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
- Luxium 6-ch high-frequency LED drivers for film and video applications
- Wireless control for DMX systems or operates with pre-set modes
- High quality color rendering with adjustable beam angles and uniform color-mixing
- Better than 80 lumens/watt efficacy and advanced cooling features extend LED life

### OPTICAL

- Multiple life-time calibrated CCT points from 2400K to 6500K with up to 97 CRI white light
- Proprietary 6-channel LED control system for no flicker and industry-leading color tuning
- Sixteen high-intensity LEDs in custom optical system designed by Luxium
- Standard 25-degree beam for uniform white or color floodlight illumination
- Works with a diffuser kit option for beam shaping: 25°, 40°, 55°, broad and oval diffusers

### CONTROL

- ZR40 comes standard with wireless DMX control using the embedded Luxium ZMX receiver.
- Use of DIP switch for setting DMX address and stand-alone operation modes.
- Optional configurations with W-DMX and Bluetooth operation are available.
- High resolution 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

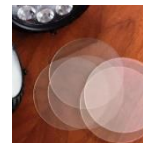
- E26, Edison-type screw-in base
- Durable, paintable, cool-to-touch polymer housing
- Designed for over 30,000 hours of operation

## SPECIFICATIONS

<b>Operating Modes (AX1, DX1)</b>	
Blended-Color	4-channel or 6ch DMX512
Selectable-White	12 Static CCT's
Selectable-Color	12 Static RGLW
Sequences	8 pre-programmed sequences
<b>Beam Output and Shape</b>	
Max White Flux (lumens)	1800
Max White Illuminance (Lux@2m)	2569
Calibrated CCT Range	2200K – 6500K
Beam @ FWHM /Field angle (degrees)	25 / 43
Beam angle w / Optional diffusers	25, 40, 55, oval
LED emitters (custom 6-ch system)	16 x 3W RGLW
Beam width (meters) @ 3.0m (10')	2.0m
<b>Mechanical</b>	
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)
<b>Electrical</b>	
Current max (A)	0.19 @110V
Voltage (operating range)	110/240 VAC, 60Hz
Power Consumption (Watts)	0.1 to 24W
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 ZQ can be ordered with a W-DMX wireless DMX receiver in place of the Luxium ZMX receiver.



WIRELESS SOLUTION  
MADE IN SWEDEN

