

## ZOBO – ZQ40

### Blended RGLW with Wireless Control

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The Luxium<sup>TM</sup> ZOBO – ZQ40 is a unique patented retrofit lamp. The ZQ merges a homogenized RGLW 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 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
- 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

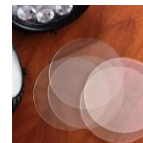
- E26, Edison-type screw-in base
- Durable, paintable, cool-to-touch polymer housing
- Designed for over 30,000 hours of operation

## 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  |

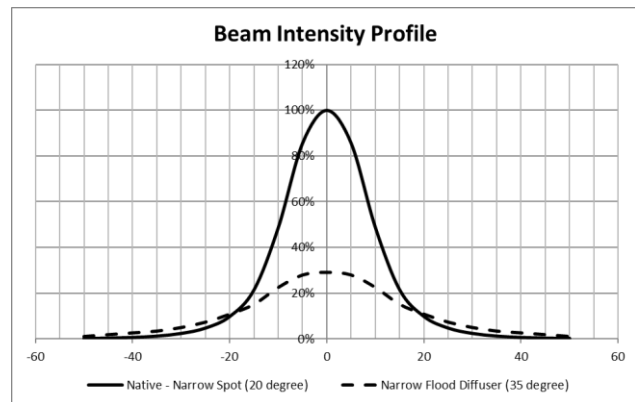
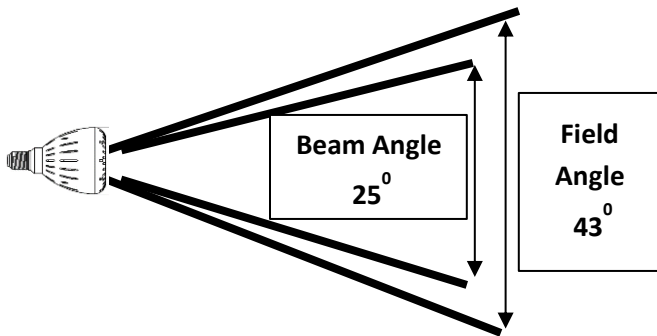
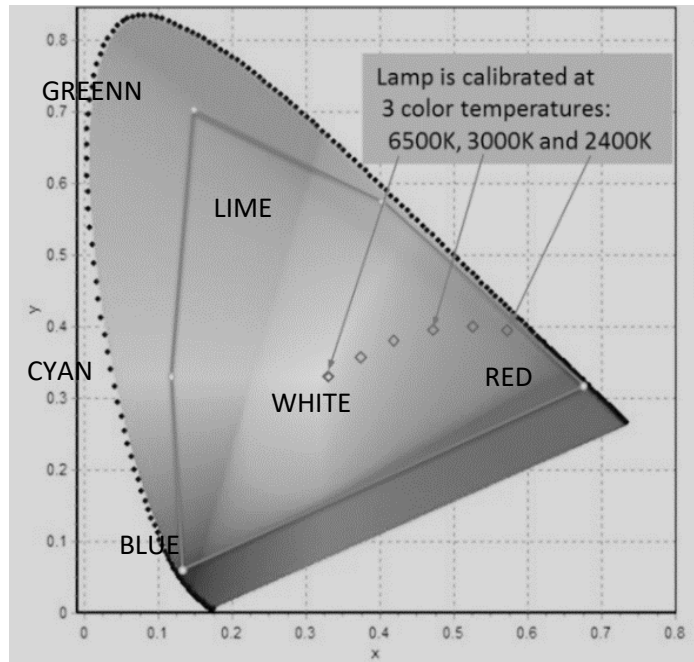
## OPTIONS

- 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.



**PHOTOMETRICS**

| Color Point | Flux         | Illuminance            |
|-------------|--------------|------------------------|
|             | Field Lumens | <a href="#">LUX@2m</a> |
| Red         | 400          | 1600                   |
| Green       | 410          | 1640                   |
| Blue        | 170          | 670                    |
| Full RGBCLW | 1800         | 1715                   |
| 2400K CCT   | 1210         | 1220                   |
| 2700K CCT   | 1117         | 1130                   |
| 3000K CCT   | 1056         | 1070                   |
| 4500K CCT   | 873          | 1985                   |
| 6500K CCT   | 1316         | 1330                   |



Note: Full photometric data available on request

**DIMENSIONS**

