

## COLOUR BALANCE GU10 SPOTLIGHT

7W | 400 - 450 Lm | 2700K

*Decorative, ultra dimmable LED spotlight with flicker-free technology and 30,000 hours lifetime. This lamp uses 7 watts of power to produce up to 450 lumens with CRI 95 and R9 close to 90.*

Item number: ZFXGU10/7W2710B | ZFXGU10/7W2724B | ZFXGU10/7W2736B



### LAMP

Style	GU10 Spotlight
Socket	GU10
Dimmable	Yes, leading and trailing edge
LED Wattage	7w
LED Source	COB LED
Lumen	400   450   450 lm
CCT	2700K
CRI	95
R9	ca.90
IP Rating	IP20
Environment	Indoor
Warranty	3 years



### PERFORMANCE

Lifetime	25,000 hours
Cycles on/off	15,000
Starting time	< 0.5 sec
Voltage	220v-240v
Hz	50/60 Hz
In-rush protection	0.5 KV
Power factor	>0.9
Operating temperature	-20°C to +40°C
Energy Efficiency	57 – 64 lm/W
Energy Class	G (G -> A scale)
Beam Angle	10°   24°   36°

No sealed fixtures.  
Not for outdoor fixtures.  
Not for wet environment.  
Not for integral primary optics.

### DIMENSIONS

Lamp Weight	Up to 60g
Outer carton q'ty	100

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## EAN13 CODES

ZFXGU10/7W2710B	5060537722177
ZFXGU10/7W2724B	5060537722184
ZFXGU10/7W2736B	5060537722191

Our lamps as well as the technologies behind them are subject to continuous improvements. All specification is subject to change without notice. Please refer to our website for the most up to date information.

### Safety Label & Warning

- Do not cover lamp with paper, fabric, or any flammable material to avoid burning.
- Working Environmental Temperature: -20 ~ +40°
- Do not insert metal objects into the gap of lamp base.
- The appropriate combination of lamp and lamp base should be carefully selected for different voltage and wattage.
- Do not use in high-humidity environment or near water to avoid damage.
- Not suitable for use in automatic light sensor system, emergency lighting fixture and mercury fixture to avoid damage and burning.
- Do not use near flammable objects such as gasoline, spray, chemicals, paints, oil etc.
- Do not use in a place that is likely to be impacted by force or vibration.
- Do not use in an acidic environment.
- Please turn the light off when installing or cleaning.
- Please handle with care to avoid damage and collision.
- Do not touch any powered-on lamps or lamps that have just been turned off to avoid burning.  
Please ensure the lamp is tightly installed into the socket to avoid dropping.
- Please select the appropriate fixture based on lamp size and weight.

### General Guidelines

- Slight difference of colour temperature and brightness is likely to occur for the same part number due to the difference of LED chips.
- Brightness, colour temperature, and light distribution may vary with different types of bulbs.
- To avoid heat build-up and the shortening of product lifetime, sealed fixture is not recommended.
- Keep the lamp away from radio, video and television for a distance of 1 meter to avoid noise caused by interference.
- Do not install lamp in heat insulated fixture.
- Do not disassemble or reconstruct the lamp.
- Do not stare directly at the lamp to avoid eye injury.
- The light distribution may vary with different type of fixtures.
- Do not wash the lamp with water.
- Do not use the lamp outdoor if it is not marked as IP65
- To avoid damage and poor insulation, do not use the lamp near water or in frosted environment if it is not marked as IP65.
- For lamps with a weight significantly higher than that of the lamps for which they are a replacement, attention should be drawn to the fact that the increased weight may reduce the mechanical stability of certain luminaires and lamp holders and may impair contact making and lamp retention.

### Guide to Dimming

- The maximum LED lamp load is not clearly defined by most of the key dimmer manufactures.
- Zico's dimmable lamps can work with most of leading edge (TRIAC) and trailing edge dimmers; however 100% compatibility cannot be guaranteed due to the variety and quality of dimmers in the market. Some of the compatibility issues may include audible noise, flickering and higher light output when the dimmer is set at a certain level.
- Maximum total LED lamps power should not exceed 20% of dimmer's maximum rated power.
- For instance, if a dimmer's maximum rated power is 600 Watts, the recommended maximum LED lamp load power should be under 120 Watts.
- If the dimmer is set at a lower than 10% level when the bulb is turned on, it is possible to have no light emission at all. In this case, please tune the dimmer to 100% and turn the bulb on again.
- The time it takes to turn on the light may vary with different kinds of dimmer switch.
- Sometimes the lamp may fail to dim when working with the following kinds of dimmers.

-sensor dimmers

-stepping dimmers

-remote control dimmers

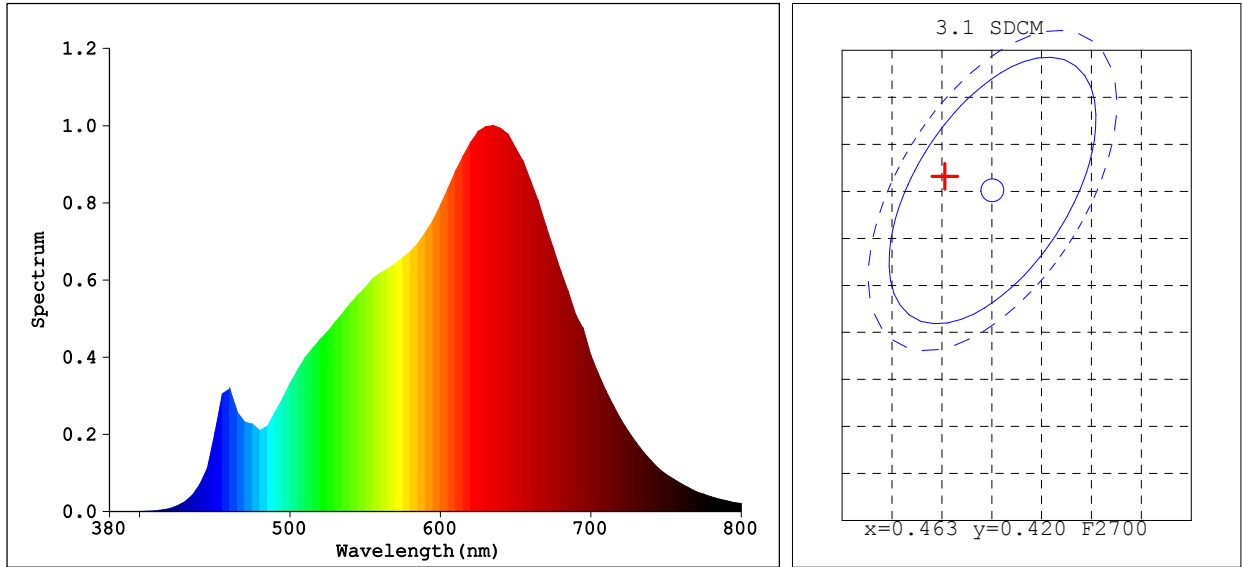
-dimmers with memory function

- When dimming, the brightness of the lamp will be affected by the variation of power supply and bulb types.
- When the dimmer is tuned at the lowest level, a moment of brightness might occur after the power is turned on.
- When the dimmer is tuned at the lowest level, dimming or flickering might occur when a high-power consumption device such as hair dryer or air conditioner is used due to power and current fluctuation.
- When turning off light, it is highly recommended to turn off the power switch instead of simply tuning the dimmer to the lowest level.
- When more than one bulb is connected to a dimmer, the brightness of each bulb may vary depending on its characteristic.
- It is normal to have minor noises when turning dimmers.
- If the light flickers when dimming, please adjust the dimmer until the light is tuned to a steady level.

### Solution to Abnormal Dimmable Bulbs

- Please ensure the dimmer is operated on an independent AC line, not connecting to other electrical appliances or devices. If high-power consumption devices such as freezers, air conditioners, washing machines and hair dryers are connected to the same AC line with the dimmer, abnormal light emission is likely to occur.
- When abnormal light occurs when a dimmer is connected to only one LED bulb, please try the combination of more than two LED bulbs. The optimal combination is to connect one dimmer to the quantity of LED bulbs adding up to over 35 watts. This is due to the minimum power consumption of a dimmer.

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4589$  ( $dx=0.0066$ )  $y=0.4212$  ( $dy=0.0125$ )  
 Chromaticity Coordinate:  $u'=0.2572$   $v'=0.5312$  ( $duv=3.99e-03$ )  
 Tc=2795K Dominant WL:Ld=582.5nm Purity=64.2% Centroid WL:614.0nm  
 Ratio:R=27.6% G=70.1% B=2.4% Peak WL:Lp=635.0nm HWL:159.1nm  
 Render Index:Ra=96.8  
 R1 =98 R2 =98 R3 =96 R4 =97 R5 =97 R6 =98 R7 =96  
 R8 =94 R9 =85 R10=94 R11=98 R12=82 R13=98 R14=97 R15=95

**Photo Parameters:**

Flux: 575.71 lm Fe: 2.1345 W Efficacy:73.77 lm/W  
 WHITE:ANSI\_2700K

**Electrical Parameters:**

Luminaire: U=230.28V I=0.03893A P=7.804W PF=0.8705

*Instrument Status:*

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=54631 (G=6,D=82)  
 REF=43705 (R=4) %=-0.656% PMT: 30.4 centigrade [150.0]

**K=1 1MIN**

Product: GU10 7W 2700K  
 Number:  
 Temperature:25.3 deg  
 Test Operator:HUA  
 Software:V3.00.136

Manufacturer: Zico Lighting  
 Test Department:  
 Humidity:65.0%  
 Test Date:2020-11-26 16:17:31  
 Instrument:PMS-50SSA\_V1 (SN:1008007)