

ILC BR16-SSDQ

ILC GU10 LED Color Changing Light Bulb with Remote Control User Manual

Model: BR16-SSDQ

Brand: ILC

Introduction	Safety Information	Package Contents	Product Features	Setup
Operating Instructions	Remote Control	Maintenance	Troubleshooting	Specifications
		Warranty & Support		

1. INTRODUCTION

Thank you for choosing the ILC GU10 LED Color Changing Light Bulb. This remote-controlled LED bulb offers versatile lighting with 12 color options, dimmable warm white (2700K), and dynamic RGB effects. Designed for various applications, it provides an energy-efficient lighting solution with convenient features like timing functions and multi-bulb synchronization. Please read this manual thoroughly before installation and use to ensure proper operation and safety.

2. SAFETY INFORMATION

- Ensure the power is turned off before installing or replacing the bulb.
- This bulb is designed for indoor use only.
- Do not use with standard dimmer switches. Brightness adjustment is controlled via the provided remote control. Using a dimmer switch may damage the bulb.
- Avoid looking directly into the light source when it is on, as it may cause eye strain.
- Keep the remote control away from water and high temperatures.
- Do not disassemble the bulb or remote control.

3. PACKAGE CONTENTS

Your package includes:

- ILC GU10 LED Color Changing Light Bulbs (8 Count)
- Remote Control(s) (Note: One remote control can operate all bulbs.)

4. PRODUCT FEATURES

- **GU10 Base:** Standard GU10 twist-and-lock base for easy installation in compatible fixtures.
- **Color Changing (RGB):** Offers 12 vibrant colors to create various atmospheres.
- **Warm White (2700K):** Provides a comfortable 2700K warm white light, equivalent to a 40W incandescent bulb.
- **Dimmable:** Adjust brightness levels (3 levels) using the remote control.
- **Dynamic Modes:**
 - **Flash Mode:** Provides a stage effect, ideal for parties or dynamic settings.
 - **Smooth Mode:** Automatically cycles through colors, creating a relaxing ambiance.
- **Memory Function:** Remembers the last color or mode used when turned off and on.
- **Synchronization:** Multiple bulbs can be controlled simultaneously with one remote, ensuring consistent color changes in dynamic modes.
- **Timing Function:** Set the bulb to turn off automatically after a specified number of hours. A 24-hour cycle timing option allows for daily automatic on/off schedules.
- **High Color Rendering Index (CRI):** CRI 85+ ensures accurate color representation.
- **Flicker-Free:** Provides stable light output at all brightness levels, preventing visible flicker in photos or videos.
- **Beam Angle:** 45-degree beam angle for focused spotlighting.



Image: ILC GU10 LED bulbs illuminating different rooms with various color settings, demonstrating versatile application.

5. SETUP

5.1 Installation

1. **Turn off Power:** Before installation, ensure the power supply to the light fixture is completely turned off at the circuit breaker.
2. **Remove Old Bulb:** Carefully remove the existing GU10 bulb from the fixture.
3. **Insert New Bulb:** Align the two pins of the ILC GU10 LED bulb with the sockets in the fixture. Push the bulb into the socket and twist clockwise to lock it into place.
4. **Restore Power:** Once the bulb is securely installed, restore power to the light fixture.

Easy Installation

Plug-and-play design with a GU10 base, suitable for most chandeliers, track lighting, and recessed fixtures.



Image: Illustration of a person installing a GU10 bulb into a recessed ceiling fixture, highlighting the plug-and-play design.

5.2 Important Note on Dimmer Switches

This ILC GU10 LED bulb is **NOT compatible with traditional dimmer switches**. All dimming and brightness adjustments are performed using the included remote control. Using the bulb with an external dimmer switch may cause malfunction or damage to the bulb and void the warranty.

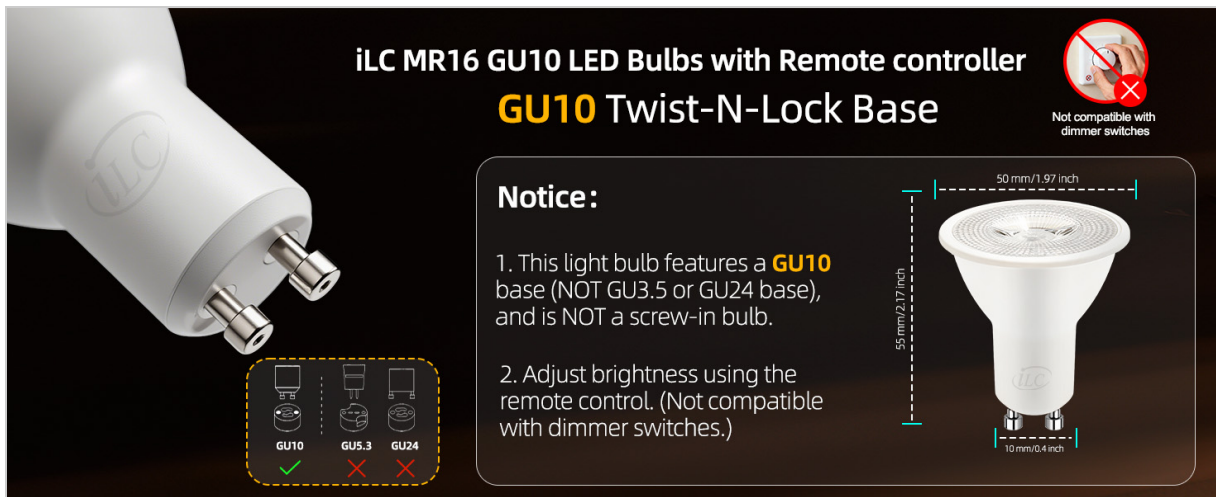


Image: A visual guide indicating the correct GU10 base type and explicitly showing that the bulb is not compatible with dimmer switches.

6. OPERATING INSTRUCTIONS

The ILC GU10 LED bulb is operated using the provided remote control. Ensure the remote has a working CR2032 battery (not included with all packs) and is pointed towards the bulb(s) you wish to control.

6.1 Basic Functions

- **Power On/Off:** Press the **ON** button to turn the bulb on, and the **OFF** button to turn it off.
- **Color Selection:** Press any of the 12 color buttons (e.g., Red, Green, Blue) to change the bulb's color.
- **Warm White:** Press the **Warm White** button to switch to 2700K warm white light.
- **Brightness Adjustment:** Use the **Dim Up** and **Dim Down** buttons to adjust the brightness (3 levels available).

6.2 Dynamic Modes

- **Flash Mode:** Press the **Flash** button to activate a rapid color-changing effect.
- **Smooth Mode:** Press the **Smooth** button for a gradual, automatic cycle through colors.
- **Speed Adjustment (Dynamic Modes):** While in Flash or Smooth mode, use the **Speed Up** and **Speed Down** buttons to control the transition speed.

6.3 Timing Functions

- **One-Off Timing:** Press the **1H** button to set the bulb to turn off automatically after 1 hour.
- **Daily Cycle Timing:** Press the **24H** button to activate a daily recurring timer. The bulb will turn on and off automatically at the set times each day.



Image: An illustration demonstrating the daily cycle timing function, showing lights turning on at 6:00 PM and off at 5:00 AM automatically.



Image: An illustration of the delay turning off function, showing lights on at 10:00 PM and off at 11:00 PM for peaceful sleep.

7. REMOTE CONTROL FUNCTIONS

The remote control provides full command over your ILC GU10 LED bulbs. Below is a detailed overview of its buttons:

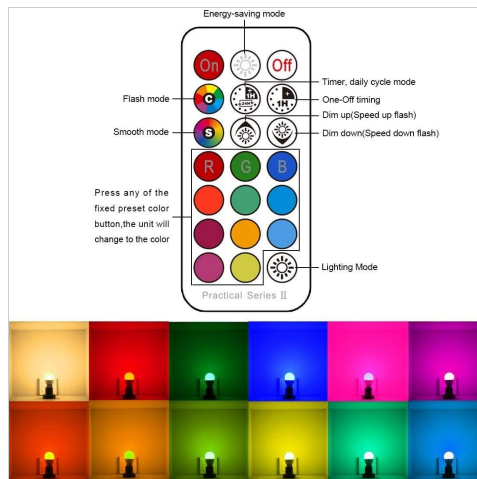


Image: A detailed diagram of the remote control, showing all buttons and their corresponding functions for the ILC GU10 LED bulb.

- **ON/OFF:** Power on/off the bulb.
- **Energy-saving mode:** Reduces power consumption.
- **Flash mode (C):** Activates rapid color cycling.
- **Smooth mode (S):** Activates gradual color cycling.
- **Timer, daily cycle mode (24H):** Sets a daily recurring timer.
- **One-Off timing (1H):** Sets a 1-hour auto-off timer.
- **Dim Up (Speed up flash):** Increases brightness or flash speed.
- **Dim Down (Speed down flash):** Decreases brightness or flash speed.
- **R, G, B:** Direct selection for Red, Green, Blue colors.
- **Fixed Preset Colors:** 12 buttons for direct selection of various static colors.
- **Lighting Mode:** Cycles through different lighting effects.

8. MAINTENANCE

- **Cleaning:** Ensure the bulb is off and cool before cleaning. Wipe with a soft, dry cloth. Do not use liquid cleaners.
- **Bulb Replacement:** The average lifespan of these LED bulbs is approximately 2 years. When replacement is needed, follow the installation steps in Section 5.1.
- **Remote Battery:** The remote control requires one CR2032 battery. Replace the battery when the remote's range or responsiveness decreases.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Bulb does not turn on.	No power to the fixture, bulb not installed correctly, or bulb is faulty.	Check power supply, ensure bulb is securely twisted into the socket, try another bulb if available.

Problem	Possible Cause	Solution
Remote control not working.	Remote battery is dead, remote is too far from the bulb, or obstruction between remote and bulb.	Replace CR2032 battery, move closer to the bulb, remove any obstructions.
Bulb flickers or behaves erratically.	Used with a standard dimmer switch, unstable power supply.	Ensure the bulb is not connected to a dimmer switch. Check power source stability.
Colors are not consistent across multiple bulbs.	Bulbs may be out of sync.	Turn all bulbs off and then on again simultaneously using the remote to re-synchronize.

10. SPECIFICATIONS

Feature	Detail
Brand	ILC
Model Number	BR16-SSDQ
Bulb Base	GU10
Bulb Shape Size	PAR16
Light Type	Color Changing (RGB), Warm White
Color Temperature	2700 Kelvin (Warm White)
Wattage	5 Watts
Incandescent Equivalent	40 Watts
Brightness	450 Lumens
Voltage	85-265 Volts AC (Accepted frequency: 50-60 Hertz)
Control Method	Remote Control
Dimmable	Yes, via remote control (Not compatible with wall dimmers)
Color Rendering Index (CRI)	85+
Beam Angle	45 Degrees
Average Life	2 Years (approx. 25,000+ hours)
Indoor/Outdoor Usage	Indoor
Material	Iron
Product Dimensions	0.01"W x 2.16"H (50mm Diameter x 55mm Height)
Item Weight	13.4 ounces (for the pack)
Remote Battery	1 CR2032 battery required (not always included)

DIMENSIONS

**Soft White
2700K**

**DIAMETER
50 MM
(1.97")**



**HEIGHT
55 MM
(2.17")**



Voltage AC
85V-265V



Wattage
5W (40W Equivalent)



Brightness
450LM



**GU10
Base**

Image: Detailed diagram illustrating the dimensions (50mm diameter, 55mm height) and key electrical specifications (Voltage AC 85V-265V, Wattage 5W, Brightness 450LM) of the ILC GU10 LED bulb.

Produktdatenblatt

DELEGIERTE VERORDNUNG (EU) 2019/2015 DER KOMMISSION zur Energieverbrauchskennzeichnung von Lichtquellen

Name oder Handelsmarke des Lieferanten: ILC

Anschrift des Lieferanten: Farris, UNIT 3D NORTH POINT HOUSE, NORTH POINT BUSINESS PARK, NEW MALLOW ROAD, CORK, T23 AT2P, IE

Modellkennung: BR16-SSDQ

Art der Lichtquelle:

Verwendete Beleuchtungstechnologie:	LED	Ungebündelt oder gebündelt:	NDLS
Art des Sockels der Lichtquelle (oder andere elektrische Schnittstelle)	No		
Netzspannung/Nicht direkt an die Netzspannung angeschlossen:	MLS	Vernetzte Lichtquelle (CLS):	Nein
Farblich abstimmbare Lichtquelle:	Nein	Hülle:	-
Lichtquelle mit hoher Leuchtdichte:	Nein		
Blendschutzschild:	Nein	Dimmbar:	Nein

Produktparameter

Parameter	Wert	Parameter	Wert
Allgemeine Produktparameter:			
Energieverbrauch im Ein-Zustand (kWh/1000 h), auf die nächstliegende ganze Zahl gerundet	5	Energieeffizienzklasse	E
Nutzlichtstrom (φuse) mit An-	580 in Ku-	ähnliche Farbtem-	2 700

gabe, ob sich der Wert auf den Lichtstrom in einer Kugel (360°), in einem breiten Kegel (120°) oder in einem schmalen Kegel (90°) bezieht		gel (500°)	peratur, gerundet auf die nächstliegenden 100 K, oder Spanne der einstellbaren ähnlichen Farbtemperaturen, gerundet auf die nächstliegenden 100 K	
Leistungsaufnahme im Ein-Zustand (P _{on}) in W		4,8	Leistungsaufnahme im Bereitschaftszustand (P _{stb}) in W, auf die zweite Dezimalstelle gerundet	0,00
Leistungsaufnahme im vernetzten Bereitschaftsbetrieb (P _{net})		-	Farbwiedergabeindex, auf die	82
für CLS in W, auf die zweite Dezimalstelle gerundet			nächstliegende ganze Zahl gerundet, oder Spanne der einstellbaren CRI-Werte	
äußere Abmessungen, ggf. ohne separates Betriebsgerät, Beleuchtungssteuerungsteile und Nicht-Beleuchtungsteile (Millimeter)	Höhe	50	Spektrale Strahlungsverteilung im Bereich 250 nm bis 800 nm bei Vollast	Siehe Bild auf letzter Seite
	Breite	65		
	Tiefe	50		
Angabe zu einer gleichwertigen Leistungsaufnahme ^(a)		-	Falls ja, gleichwertige Leistungsaufnahme (W)	-
			Farbwertanteile (x und y)	0,344 0,353
Parameter für LED- und OLED-Lichtquellen:				
Wert des R9-Farbwiedergabeindex		2	Lebensdauerfaktor	1,00
Lichtstromerhalt		0,93		
Parameter für LED- und OLED-Netzspannungslichtquellen:				
Verschiebungsfaktor (cos φ1)		0,58	Farbkonsistenz in MacAdam-Ellipsen	3
Angabe, dass eine LED-Lichtquelle eine Leuchtstofflichtquelle ohne eingebautes Vorschaltgerät mit einer bestimmten Leistungsaufnahme ersetzt.		„(b)“	Falls ja, Angabe zur ersetzten Leistungsaufnahme (W)	-
Flimmer-Messgröße (Pst LM)		0,0	Messgröße für Stroboskop-Effekte (SVM)	0,0
<p>^(a)„-“: nicht zutreffend; ^(b)„-“: nicht zutreffend;</p>				

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Image: German Product Data Sheet for the ILC BR16-SSDQ LED bulb. This document provides detailed technical specifications in German.

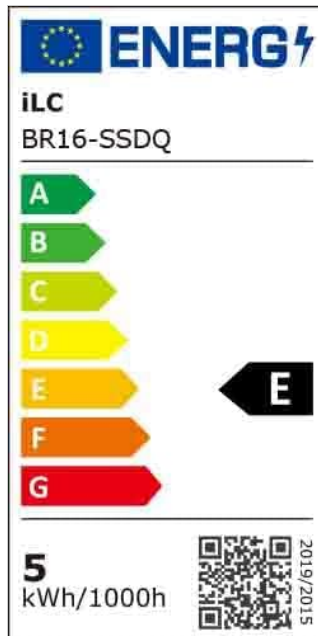


Image: EU Energy Label for the ILC BR16-SSDQ LED bulb, indicating an energy efficiency class of E and consumption of 5 kWh/1000h. For more details, visit eprel.ec.europa.eu/qr/1054441.

11. WARRANTY AND SUPPORT

ILC products are designed for reliability and performance. While specific warranty details are not provided in the product information, the average life of these bulbs is stated as 2 years. For any product inquiries, technical support, or warranty claims, please contact ILC customer service through their official channels or the retailer where the product was purchased.

You can visit the ILC Store for more information: [ILC Store](#)

12. PRODUCT VIDEOS

Color Changing GU10 LED Lights with Remote

Your browser does not support the video tag.

Video: This video demonstrates the color-changing capabilities of the ILC GU10 LED bulbs installed in a track lighting fixture. It showcases various colors and the soft white option, highlighting the versatility for creating different ambiances.