

# LED GLASS BRICK

#LGB



**LEIYUEH**  
Sense of Light



Public space  
Kaohsiung  
Love River .

Decorative lighting  
Interior Design  
Application



Elevator  
Taipei  
W hotel .



**LGB-SC**  
Single Control  
Programmable

**LGB**  
Mono Color  
Scene

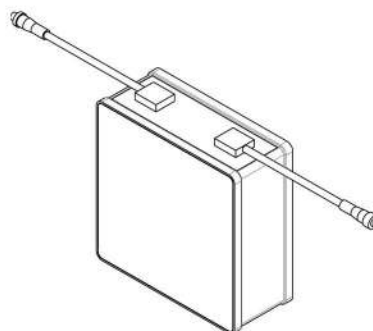
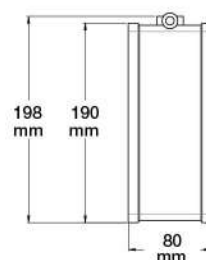
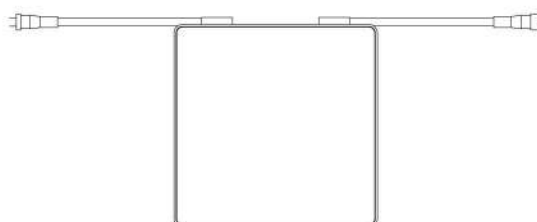
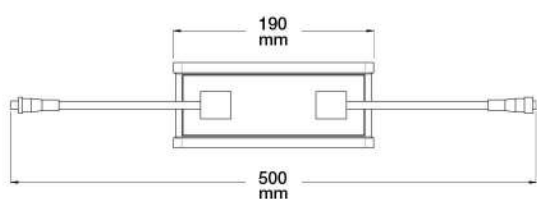




# Specifications

| LGB-SC                                                              |                                                    | LGB           |  |
|---------------------------------------------------------------------|----------------------------------------------------|---------------|--|
| OPTICAL                                                             |                                                    |               |  |
| LED Color Temperature                                               | RGB                                                |               |  |
| LED Type                                                            | 5050 Osram                                         |               |  |
| Wavelength                                                          | R : 619~631 nm<br>G : 519~546 nm<br>B : 459~476 nm |               |  |
| MECHANICAL                                                          |                                                    |               |  |
| Dimension                                                           | 190 x 190 x 80 mm                                  |               |  |
| Weight                                                              | 1.5 kgs                                            |               |  |
| Product Appearance                                                  | White PC polymer + Reflective glass                |               |  |
| Product Material                                                    | PC, Glass                                          |               |  |
| ELECTRICAL                                                          |                                                    |               |  |
| Operation Voltage                                                   | 24 Vdc                                             |               |  |
| Power Consumption                                                   | 4.8 W                                              | 4.5 W         |  |
| Max. Input Current                                                  | 0.2A                                               | 0.18A         |  |
| Max.Single Run<br><small>( Calculated by 90% power export )</small> | 30 pcs / 200W                                      | 36 pcs / 200W |  |
| Control Technology                                                  | SPI Serial Control                                 | PWM           |  |
| Useful Life                                                         | 20000 hrs                                          |               |  |
| OTHERS                                                              |                                                    |               |  |
| Operation Temperature                                               | -20 ~ 40 °C                                        |               |  |
| Storage Temperature                                                 | -20 ~ 60 °C                                        |               |  |
| Certificate                                                         | CE, RoHS, LVD, REACH                               |               |  |
| IP class                                                            | IP65                                               |               |  |
| Standard Package                                                    | 8 pieces / carton / G.W.15.1kgs / 2.2cuft          |               |  |

## Schematics



## Certificate



## Awards



reddot design award  
best of the best 2008



product  
design  
award  
2009



**TAIWAN**  
EXCELLENCE 2008

# Model No.

LGB- **RW** - ## - **BEB**

① ② ③ ④ ⑤ ⑥

|               |                                                                                                             |                 |                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------|
| ① Glass Type  | <b>R</b> Reflective Glass                                                                                   | ④ Voltage       | <b>B</b> 24 Vdc                                   |
| ② Frame Color | <b>W</b> White                                                                                              | ⑤ Packaging     | <b>E</b> other countries (Europe/Ordinary/LY)     |
| ③ LGB type    | <b>TR</b> PWM<br>(RGB Mono Color Scene Control)<br><b>SC</b> SPI<br>(Serial Port Control, ENE P2571 driver) | ⑥ Reserved Code | <b>B</b> The number of LEDs<br>(18 LEDs/each LGB) |

# Product features

## Highlight \*

- Dazzling infinity light in a box with million colors

## Feature \*

- Reddot, IF and Taiwan Excellence design award winner
- Stackable for building a massive wall
- Reflective tempered glass and RGB LED module
- Free animation program software
- Unlimited depth-of-field illusion
- SPI Digital protocol for individually pixel control & image display
- DMX compatible (with specify converter)
- Quick-plug Connector
- IP65 waterproof

# Application

- Club and bar
- Outdoor decorative lighting
- Celebration events
- Merchandise display
- Hotel and restaurant
- Showcase

# Accessories LGB



## LGB Connect / Wiring



**1.5/6 Ft Wires +  
Molded Female  
connector**

# LGB-FR##  
(1.5 / 6FT available)



**6 Ft  
Extension Cord**

# TCM-E06



**Female  
End Cap**

# STFV



## LGB Power & Control



**RGB Controller  
+ Remote controller  
(24V / 450W)**

# CTR-45004-WD-BSX

Max. Run 80 pcs LGB  
with 3x 200W Power  
+ 2x Repeaters



**Enclosed  
Power Supply  
( 24V / 200W )**

# CTR-20004-AD-BSX

Max. Run 35 pcs LGB



**RGB  
Signal Repeater  
( Signal Amplifier )  
( 24V / 360 W )**

# CTR-06A04-WD -BSX

Multiple Control Max. Run  
35 pcs LGB / Power  
repeater



**Switching Power  
Supply & RGB  
Controller  
(24V 28W )**

# CTR-03501-BR-BSX

Max. Run 4 pcs LGB

# Accessories LGB-SC



## LGB-SC Connect / Wiring



**1.5 / 6FT 4pin  
Controller  
Connector**  
# LGB -FS##  
M12, 4 Pin connector



**6Ft 2pin  
Power  
Connector**  
# LGB-FS60-2P  
M12, 2 Pin connector



**6 Ft Extension  
Cord**  
# LGB-ES60  
M12 Molded Male /  
Female Extension Cord



**M12 T  
Connector**  
# LGB-TN  
DC Power Input and  
Extension



**M12  
Female End  
Cap**  
# LGB -FC



## LGB-SC Power & Control



**Multi-Function  
Controller +  
Remote control**  
# LGB-2S4X512-R-##

- SD Cardbuild in
- I/P 100VAC~240VAC
- O/P 4-part control
- Max. run 440pcs.
- Dimension:  
180x145x40 mm



**Multi-Function  
Controller**  
# LGB-2S4X512-##

- SD Cardbuild in
- I/P 100VAC~240VAC
- O/P 4-part control
- Max. run 440pcs.
- Dimension:  
180x145x40 mm



**Enclosed  
Power Supply  
(24V / 200W)**  
# CTR-20004-AD-BSX  
•I/P EU/US ,O/P 24V,  
•Max. run 30pcs LGB-  
SC / unit



LEIYUEH Enterprise Co., Ltd.

2F, No. 69-7, Sec. 2, Zhongzheng E. Rd. Tamsui Dist, New Taipei City, 25170, Taiwan  
TEL: +886-2-2808-1280 FAX: +886-2-2808-1230  
► WWW.LEIYUEH.COM