



Connection and Installation Guide

RGB+CCT 16 W Generator

1 output · optical fibers Ø 0.75 / 1.0 mm

SKU: GR0926.16.12.RGB.CCT.1



Read this guide before installation

Keep it for as long as you use the device.

Safety rules

- Disconnect power before installing, connecting or cleaning the device.
- Power the generator only with 12 V DC from a power supply of adequate wattage. Never connect 230 V directly to the DC socket.
- For indoor use only. Do not install in damp locations or where exposed to water.
- Ensure ventilation – do not cover the generator or enclose it in a sealed space.
- Do not open the housing or tamper with the electronics.
- Do not look directly into the illuminated output of the generator.
- Do not use the device if the cable, plug or housing is damaged.

Application

Decorative fiber optic ceiling lighting, e.g. in homes, hotels and home theaters.

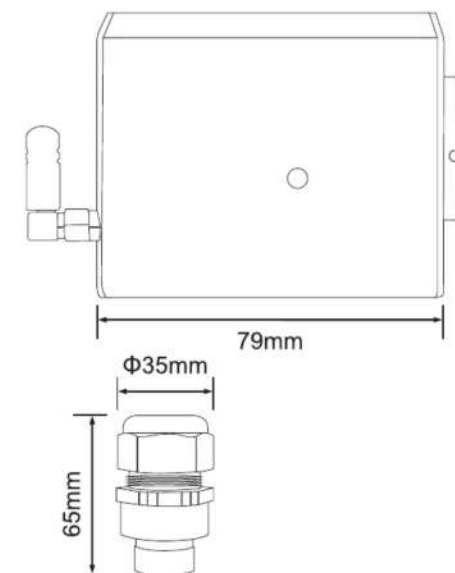
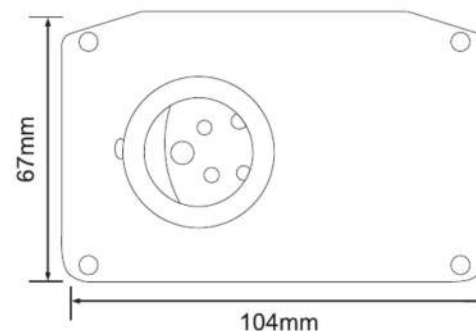
Installation

We recommend having the device installed and connected by a qualified installer. Carry out electrical work in accordance with applicable regulations.

Specifications and dimensions

Data according to the manufacturer's documentation.

Power supply	12 V DC
Power	16 W
Light color	RGB + white 2700–6500 K
Outputs	1
Bundle inlet	Ø 22 mm (inner diameter)
Bundle coupling	Ø 35 × 65 mm
Max. number of fibers	Ø 0.75 mm: 550 · Ø 1.0 mm: 300
Housing	aluminum, 104 × 79 × 67 mm
Control	remote + iStar Lighting app (Bluetooth)



Dimensions in mm. Drawing for illustration only.

Generator components

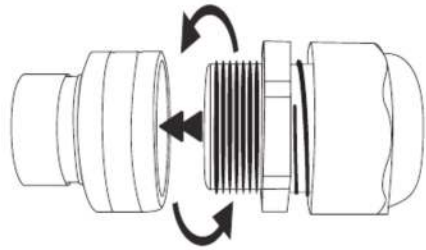
View of the bundle socket and connection panel.



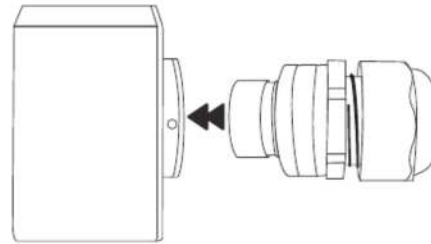
- 1 LED chip
- 2 twinkle wheel
- 3 bundle inlet Ø 22 mm
- 4 DC 12 V power socket
- 5 indicator lights
- 6 antenna

Mounting the coupling and fiber bundle

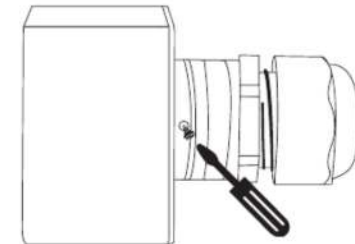
Perform with the power disconnected.



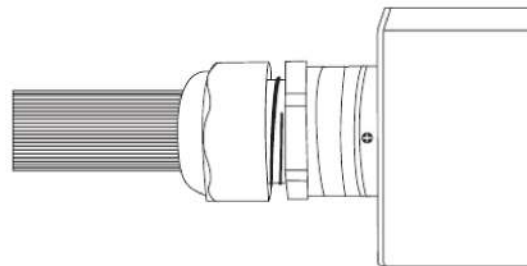
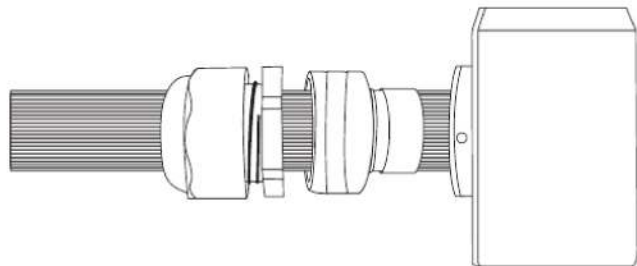
- 1 Unscrew the coupling (cable gland) into two parts.



- 2 Insert the threaded part of the coupling into the generator socket.



- 3 Secure the coupling with the screw in the housing.

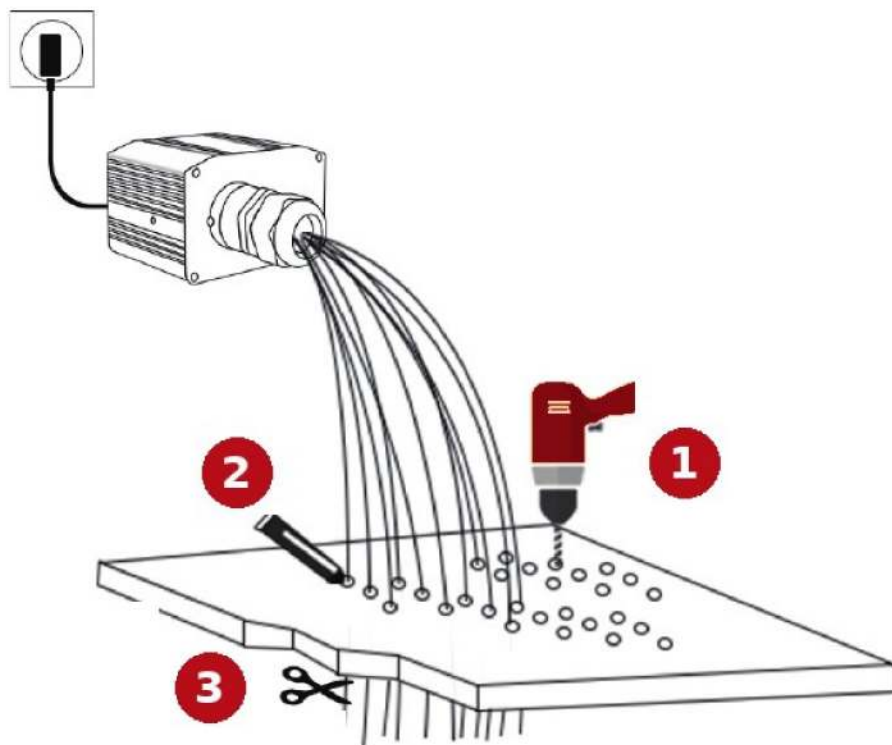


- 4 Pass the fiber bundle through the coupling and tighten the nut so that the bundle cannot move.

Max. number of fibers: Ø 0.75 mm – 550 pcs or Ø 1.0 mm – 300 pcs.

Installing fibers in the ceiling

Plan the point layout and fiber lengths before drilling.



- 1 Drill holes in the ceiling board at the planned points.
 - 2 Pass the fibers through the holes and fix them with hot-melt glue.
 - 3 Trim excess fiber length flush with the ceiling surface using scissors.
- i The wall outlet in the drawing is for illustration only – the generator is powered via a 12 V DC power supply.

Power connection and remote

12 V DC power supply.

Start-up

- 1 Mount the generator and connect the fiber bundle with the power disconnected.
- 2 Plug the 12 V DC power supply into the generator's DC 12 V socket (item 4 on the "Generator components" page).
- 3 Plug the power supply into the mains.
- 4 Turn on the light with the ON button on the remote or in the app and check that all points light up.



Remote

ON / OFF

on / off

Color ring

light color selection

W

white light

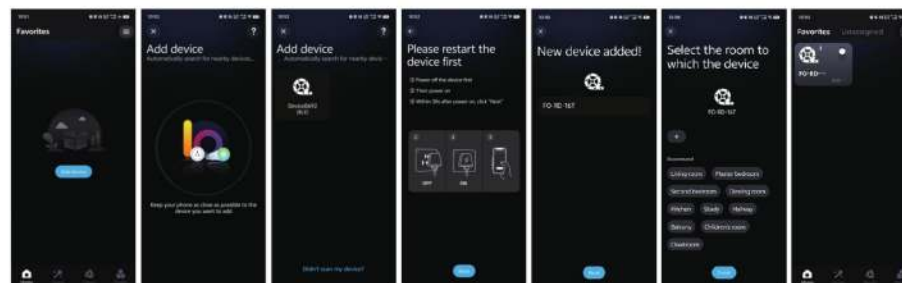
Other buttons work as labeled on the remote. The full range of functions is available in the iStar Lighting app.

Connecting to the iStar Lighting app

Bluetooth control from your phone (iOS / Android).



- 1 Download the iStar Lighting app from the App Store or Google Play (QR code on the left).
- 2 Create an account ("Register") or log in.
- 3 Connect the generator to power and turn on Bluetooth on your phone.
- 4 In the app, tap "Add device" – the app will search for the device.
- 5 When the app asks for a restart: switch the generator's power off, switch it back on and tap "Next" within 30 seconds.



App functions

Selected functions available in the iStar Lighting app.

Brightness

Adjustable from 0 to 100%.

Color temperature

Tunable white from 2700 to 6500 K.

Colors

16 million colors with adjustable brightness and saturation.

Schedule

Timer – automatic on/off at set times.

Twinkle

Twinkle speed adjustable from 1 to 100.

Music

The light responds to sound from the phone's microphone or to music being played.

Scenes

Preset lighting scenes plus the option to create your own.

 The app's appearance and function names may change with app updates.

Additional information

Distributor

2K-TRADE Sp. z o.o.
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VAT ID: PL9472005794
+48 785 777 975
contact@2k-trade.com
2k-trade.com

Certificates

An EC-RED certificate (Directive 2014/53/EU) and a RoHS certificate (Directive 2011/65/EU) have been issued for this product.

Disposal

Do not dispose of the used device, power supply or batteries with household waste. Take them to a collection point for waste electrical and electronic equipment.

Legal notice

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