

Led modules with battery





KOALA COMPONENTS

Koala Components S.A. since 1978 is importer and distributor of lighting components offering tailor-made solution for any application in lighting projects.

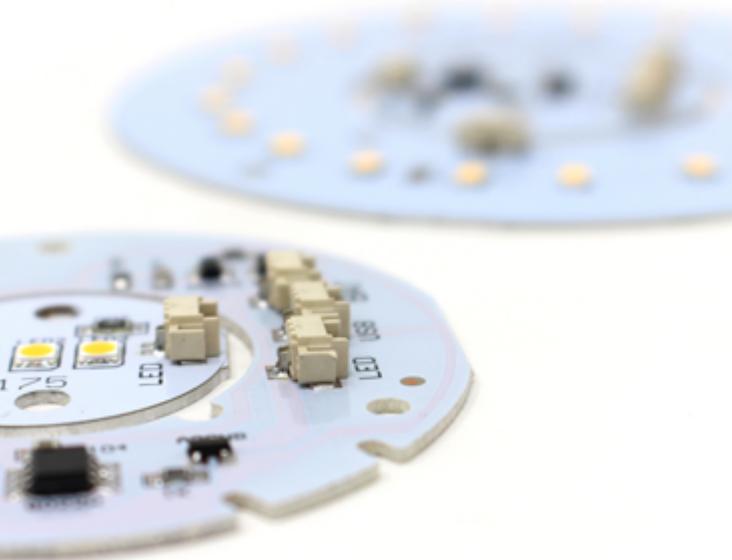




LIGHTING SOLUTIONS

100% CUSTOMIZED

We design customized LED modules for any type of application. We can create a new 100% customized design customized for our customers in just a few weeks, contributing with images, prototypes and production costs.



Knowing the different industrial processes required in the manufacture of a tailor-made luminaire, we offer different solutions to optimize times and minimize the investment required.



Confidentiality

We know very well the different processes of a lighting project, we live them with you.

We help you make the decisions that best suit your needs, always under the commitment of confidentiality.



Technical support

We are part of your organization, we put ourselves at your service and we share with you all our knowledge and experience in lighting solutions.

- Development of technical specifications
- Prototype design
- Realization of the product



Certifications

Our goal is to develop a product of quality attending the required certifications for sale in different international markets.

- Production supervision
- Quality control and inspection



Customized solutions

We have more than 35 years of experience in the realization of lighting projects for different application areas. Our knowledge allows us to carry out projects 100% tailored to meet the needs of our customers in the creation of a high quality product.



LED MODULE WITH BATTERY

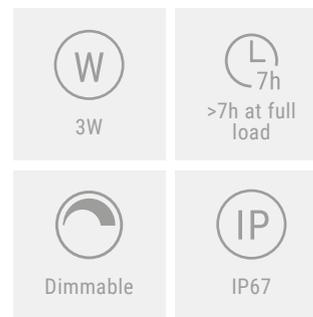
IP67 FOR INDUCTION LOAD

IP67 outdoor LED module - ON/OFF/DIM switch and radio frequency remote control with on, off, continuous or 10, 50, 100% button and time control for 15, 30 or 60 minutes.

With two UL certified 2600mAh lithium polymer batteries each connected in parallel, total capacity of 5200mAh for over 6 hours of operation at full power. Charges indoors using an induction base with **micro USB-C socket** (IP20) included. 5V charger not included. Charging time approx. 8-10 hours.



Code	Vdc	W	A	Hz	K	Tonality	Lm	CRI
G5K0040M-3C	5	3	0,4/1	50 - 60	3000	●	290	≥80





LED MODULE WITH BATTERY

IP65 WITH MICRO USB CHARGING

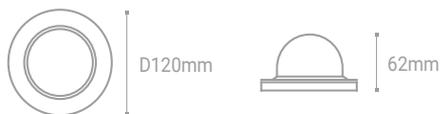
IP65 outdoor LED module - ON/OFF/DIM switch and radio frequency remote control with on, off, continuous or 10, 50, 100% button and time control for 15, 30 or 60 minutes.

Direct charging via micro USB socket (IP65).

With two UL certified 2600mAh lithium polymer batteries each connected in parallel, total capacity of 5200mAh for over 6 hours of operation at full power.

Charges indoors using **with micro USB charging**. 5V charger not included.

Charging time approx. 8-10 hours.



Código	Vdc	W	A	Hz	K	Tonalidad	Lm	CRI
G5K0040M-7	5	3	0,4/1	50 - 60	3000	●	290	≥80





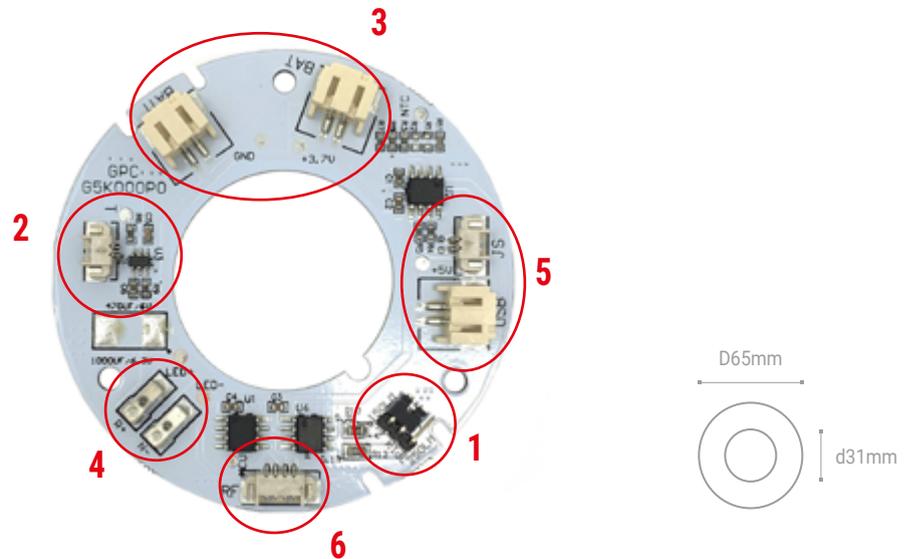
CONFIGURABLE BATTERY POWERED LED MODULE GPC

The GPC battery-powered Led module has the advantage of its versatility. It is sold by components and allows different configurations according to customer needs.

Components are the following:

CONTROL BOARD

Code: G5K000P0



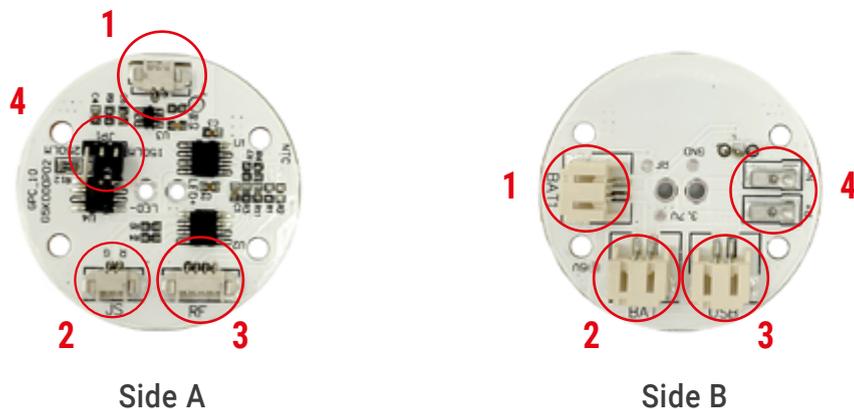
Fiberglass plate with circular crown shape with an external diameter of 65mm and an internal diameter of 31mm. Height 6.6mm. With 3 fixing holes with a diameter of 3mm at 120 degrees. The board has the following connectors

- 1) **Jumper** that allows you to manually change the luminous flux and to choose between 150lm or 250lm.
- 2) **Micro-Connector with touch control** for on, off and light regulation.
- 3) **Two Battery connectors.** If only one battery is placed, the other connector is free. The battery can be connected interchangeably to any of the 2 connectors. Depending on the light flow selected, you can choose to put one or two batteries depending on the time required for autonomy.
- 4) **Independent + and - connectors for the connection of the led board**
- 5) **Micro USB connectors.** Large connector for the charging cables and micro-connector in case you use the USB model with code G5K00P6.
- 6) **Connector for RF for radio frequency.**



CONFIGURABLE LED MODULE WITH BATTERY MINI CONTROL BOARD GPC02

Code: G5K000P02



Fiberglass plate with circular shape diameter 40mm - height 10mm. With 4 fixing holes diameter 3mm. The board has the following connectors:

SIDE A

1. **Micro-connector touch control** for ON/OFF and light dimming.
2. **Micro-USB connector** (JS) in case you use the USB model with code G5K000P6.
3. **Optional RF connector** for the code G5K000P8 which works with the RF remote control code G5K000P9.
4. **Jumper** that allows you to manually change the luminous flux and to choose between 150lm or 250lm.

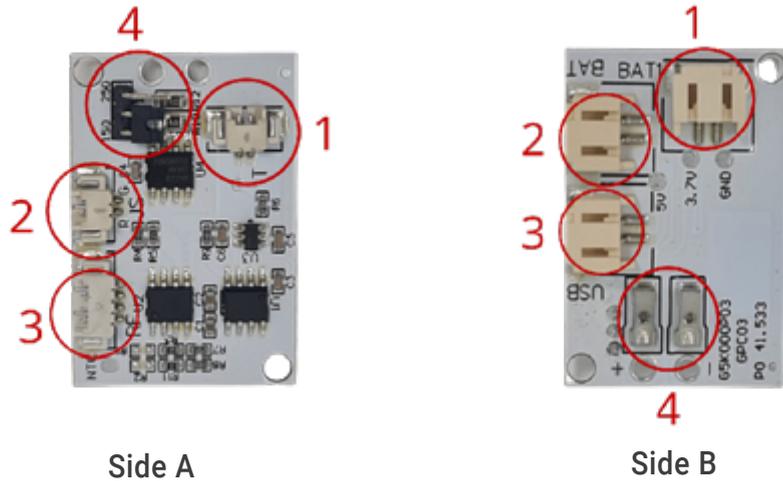
SIDE B

1. **Battery connector.** If only one battery is placed, the other connector is free. The battery can be connected interchangeably to any of the 2 connectors. Depending on the light flow selected, you can choose to put one or two batteries depending on the time required for autonomy.
2. **Battery connector.**
3. **Big USB connector** for the charging cables.
4. **Automatic connectors + and - for the connexion of the control board.**



CONFIGURABLE LED MODULE WITH BATTERY RECTANGULAR CONTROL BOARD

Code: G5K000P03



Fiberglass plate with rectangular shape 37mmx25mm. Height 10mm. With 2 fixing holes with a diameter of 3mm. The board has the following connectors::

SIDE A

1. **Micro-connector touch control** for ON/OFF and light dimming.
2. **Micro-USB connector** (JS) in case you use the USB model with code G5K000P6.
3. **Optional RF connector** .
4. **Jumper** that allows you to manually change the luminous flux and to choose between 150lm or 250lm.

SIDE B

1. **Battery connector.** If only one battery is placed, the other connector is free. The battery can be connected interchangeably to any of the 2 connectors and has to be connected after connect sensor touch control. Depending on the light flow selected, you can choose to put one or two batteries depending on the time required for autonomy.
2. **Battery connector.**
3. **Large connector for the charging cables**
4. **Independent + and - connectors for the connection of the led board**



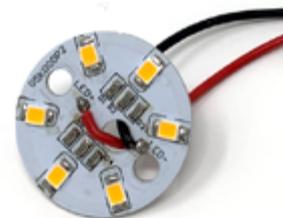
CONFIGURABLE LED MODULE WITH BATTERY

COMPONENTS to connect in the control plates

LED PLATE

Code: G5K000P2

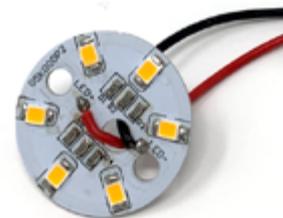
Aluminium plate diameter 28mm. With 2 holes of diameter 4mm for fixing and with 6 led 2835 SAMSUNG 3000K CRI90 120lm / W The connection to the control board is made with pressure connectors and comes wired with 50cm of red AWG22 (+) and black (-) cable. The polarity indicated on the control board must be respected. In case of error in the connection the LED does not light up. Depending on the brightness of the control board, the luminous flux will be 150lm (1.3W) or 250lm (2.1W). All led plates are designed to work exclusively with battery-powered modules.



LED PLATE

Code: G5K000P2A

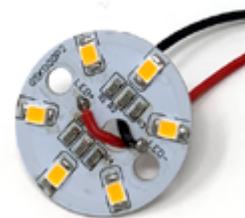
Aluminium plate diameter 28mm. With 2 holes of diameter 4mm for fixing and with 6 led 2835 SAMSUNG 3000K CRI90 120lm/W with 25cm cables. The connection to the control board is made with pressure connectors and comes wired with 50cm of red AWG22 (+) and black (-) cable. The polarity indicated on the control board must be respected. In case of error in the connection the LED does not light up. Depending on the brightness of the control board, the luminous flux will be 150lm (1.3W) or 250lm (2.1W). All led plates are designed to work exclusively with battery-powered modules



LED PLATE

Code: G5K000P2C

Aluminium plate diameter 28mm. With 2 holes of diameter 4mm for fixing and with 6 led 2835 SAMSUNG 2700K CRI90 120lm / W The connection to the control board is made with pressure connectors and comes wired with 50cm of red AWG22 (+) and black (-) cable. The polarity indicated on the control board must be respected. In case of error in the connection the LED does not light up. Depending on the brightness of the control board, the luminous flux will be 150lm (1.3W) or 250lm (2.1W). All led plates are designed to work exclusively with battery-powered modules.

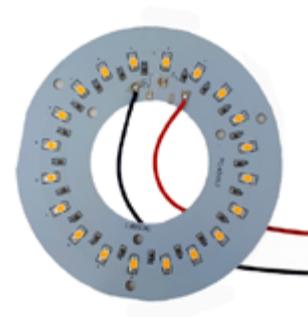




LED PLATE

Code: G5K000P3

Aluminium circular crown plate with an outer diameter of 100mm and an inner diameter of 40mm. With 4mm diameter holes at 120° for fixing and with 20 LEDs 2835 SAMSUNG 3000K CRI90 120Lm / W. The connection to the control board is made with push pin connectors. Wired with 50cm of AWG22 red (+) and black (-) cable. Depending on what has been selected on the control board, the luminosity will be 170lm (1.4W) or 315lm (2.6W). All led plates are designed to work exclusively with battery-powered modules.



LED PLATE

Code: G5K000P4

200x8mm fiberglass linear plate. With double-sided adhesive for fixing. With 7 led 2835 SAMSUNG 3000K CRI90 120Lm / W. Wired with 50cm of AWG22 red (+) and black (-) cable. The connection to the control board is made with push pin connectors. Depending on what has been selected on the control board, the luminosity will be 150lm (1.3W) or 250lm (2.1W). All led plates are designed to work exclusively with battery-powered modules.



Battery

Code: G5K000P1

Lithium polymer battery with micro-connector to the control board and 10cm of cable. Capacity 2500mAh 3.7V Size 8x50x50mm.

US7217127901 certified according to UL1642: 2012 R6.15 by



Life cycles 400-500. Autonomy at 150lm and 1 battery > 6H. Autonomy at 250Lm and 2 batteries > 6H

Charge via Micro USB and charger with 5Vdc output. Approximate charging time 5 hours per battery.

See battery data sheet on our website.



Battery

Code: G5K000P1C

Micro-B USB mounted on white round support 12mm in diameter and 7mm high with 10cm AWG22 cable and connector.





Micro USB

Code: G5K000P5

Micro USB mounted on white round stand with 10cm AWG22 cable and connector.

Code: G5K000P5C

USB-C mounted on white round support 12mm in diameter and 7mm high with 10cm AWG22 cable and connector.

Code: G5K000P6

Micro USB mounted on electronic insert with 10cm AWG22 cable and 2-pin connector (USB) and 10 cm of AWG26 cable and 2-pole micro-connector (JS) The electronic insert has a charge indicator LED that turns on to red when it is charging and it turns green when the load is finished.



"Touch" control

Code: G5K000X6

Touch control with cylinder (D4x9mm) and 10cm of cable and micro-connector. Short touch function ON and OFF. Long touch for regulation. No memory. It must always be connected before the battery.

Code: G5K000X7

With 6mm external diameter and 3mm inner diameter and 10cm of cable and micro-connector. Short touch function ON and OFF. Long touch for regulation. It does not save memory. It must always be connected before battery.

Code:G5K000X7L

With 6mm external diameter and 3mm inner diameter and 16cm of cable and micro-connector. Short touch function ON and OFF. Long touch for regulation. It does not save memory. It must always be connected before battery.



RF control plate for GPC module and antenna

Code: G5K000P8

Optional control board if desired, in addition to the touch control, the control of the light with the RF remote control. For plates G5K000P0 and G5K000P02. This option entails a small additional consumption of the battery (3mA approx.), Which requires more frequent charges in case of periods of inactivity.

RF remote control for module

Code: G5K000P9

With functions of on, off and continuous regulation or with buttons 10%, 50% and 100%. Time control for 15min, 30min or 60min. Includes CR2025 3V battery.

***Important:** *The touch control must be connected before connecting the battery to work properly.*



Led module with battery



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