

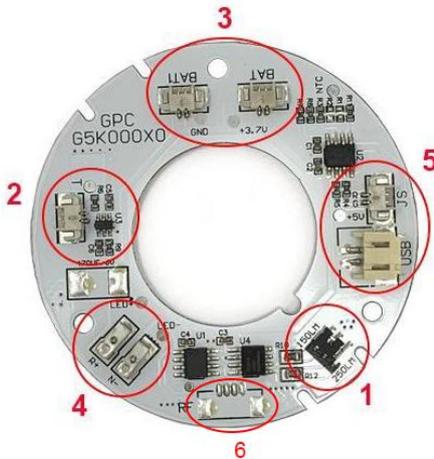
**Configurable battery powered Led module GPC - Technical sheet**

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:

**1. control board code G5K000P0.**

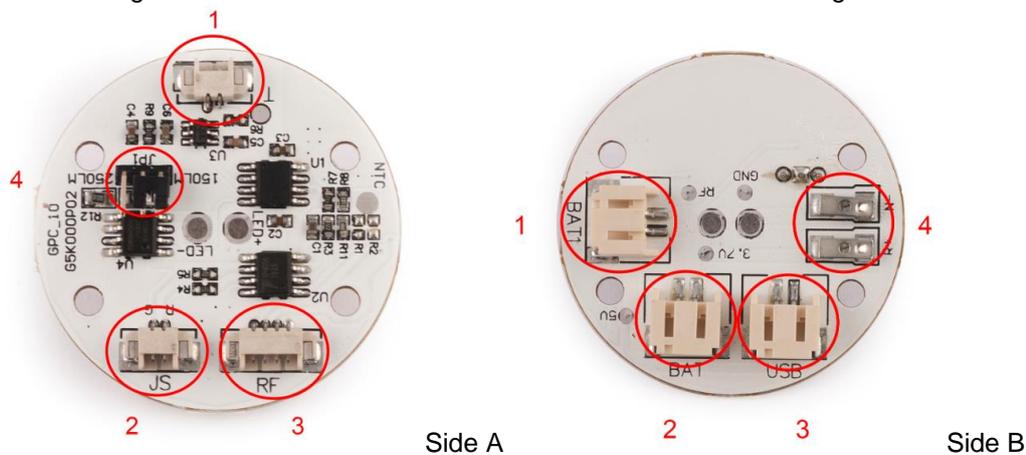
Fiberglass plate with circular crown shape with an external diameter of 65mm and inside diameter of 31mm. Height 6.6mm. With 3 fixing holes with a diameter of 3mm at 120 degrees. The board has the following connectors



- 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.

**2. control board code G5K000P02.**

Fiberglass plate with circular shape with and diameter of 40mm. Height 10mm.  
 With 4 fixing holes with a diameter of 3mm. The board has the following connectors


**Side A**

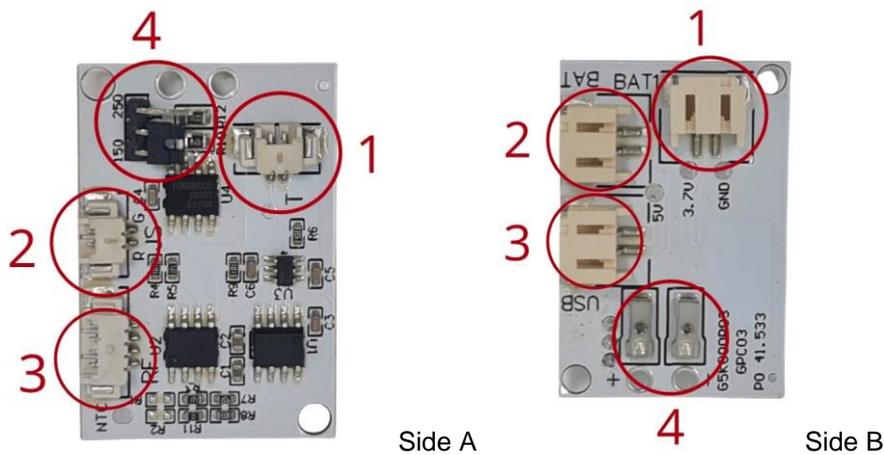
- 1 Micro-Connector with touch control for on, off and light regulation.
- 2 Micro USB connector (JS) in case you use the USB model with code G5K00P6
- 3 Connector for RF for radio frequency.
- 4 Jumper that allows you to manually change the luminous flux and to choose between 150lm or 250lm.

**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) Large connector for the charging cables
- 4) Independent + and - connectors for the connection of the led board

**3. 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

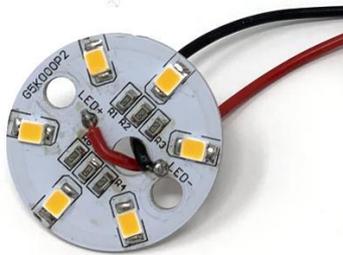


Side A

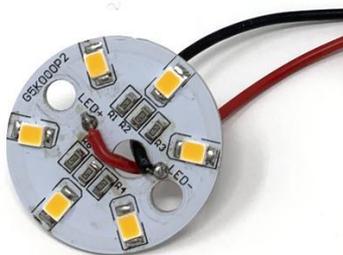
- 7) Micro-Connector with touch control for on, off and light regulation.
- 8) Micro USB connector (JS) in case you use the USB model with code G5K00P6
- 9) Connector for RF for radio frequency.
- 10) Jumper that allows you to manually change the luminous flux and to choose between 150lm or 250lm.

Side B

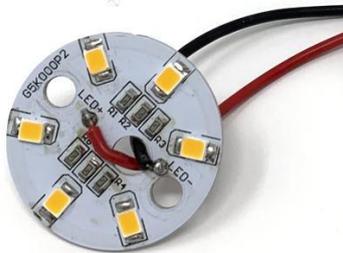
- 5) Battery connector. If only one battery is placed, the other connector is free. The battery can be connected interchangeably to any of the 2 connectors and has to be connected after connect sensor touch control. Depending on the light flow selected, you can choose to put one or two batteries depending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

**4. Led plate code G5K000P2**

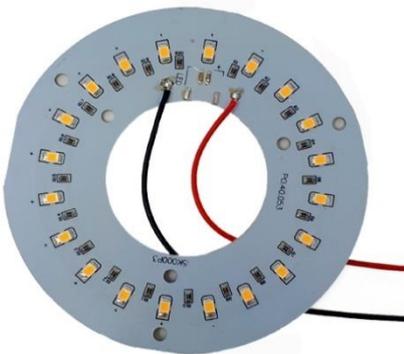
Aluminium plate diameter 28mm. With 2 holes of diameter 4mm for fixing and with 6 led 2835 SAMSUNG 3000K CRI90 120lm/W with 50cm cables. The connection to the control board is made with pressure connectors and comes wired with 50cm of red AWG22 (+) and black (-) cable. The polarity indicated on the control 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.

**5. 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.

**6. 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.

**7. Led plate led 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.

**8. Led plate code G5K000P4**

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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.


**9. 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](#)

**10. Battery code G5K000P1C**

Lithium-Ion battery with 10cm cable and connector to the control board. 2600mAh capacity. 3.7Vdc. 9.62Wh. Life cycles 400-500.



Charge via USB and charger with 5Vdc output. With charging current limiter. Approximate charging time 5 hours.

**11. Micro USB.**

**Code G5K000P5:** Micro-B USB mounted on white round support 12mm in diameter and 7mm high with 10cm AWG22 cable and connector.

**Code G5K000P5C:** USB-C mounted on white round support 12,39mm in diameter and 8,89mm 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.

**12. "Touch" control.**

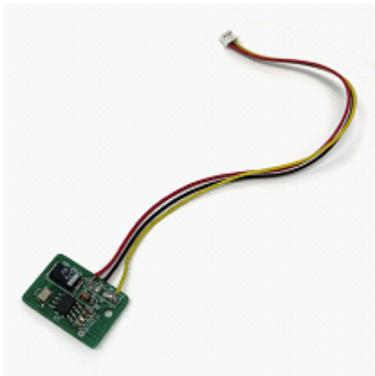
**Code G5K000X6** Touch control with cylinder (D4x9mm) and 10cm of cable and micro-connector. Short touch function ON and OFF. Long touch for regulation. No memory. It must always be connected before the battery.



**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.

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**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.

**13. 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

**14. RF remote control for module GPC G5K000P9**

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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.**