

# G6LS Tethered Lighting UAV



UAVs with lighting functions are widely used in industry. They are planned to be used 24/7 in various fields from the military sector to security forces and even search and rescue activities. In response to requests for illumination of larger areas and higher altitude, the G6LS model was developed based on the G5L model. With the G6LS model, you can fly smoothly and uninterruptedly at altitudes ranging from 5 meters to 50 meters. The maximum flight altitude is 50 meters due to the power cable.

The G6LS model has RTK technology that provides precise positioning capability. With this technology, positioning with centimeter precision can be provided. The G6LS model can respond to requests to work at an altitude/altitude of 4500 meters. Thanks to its 720W lighting capability, wide area scanning can be done more easily. Of the four 180W lighting modules under the drone, 2 of them can be directed to the desired area via the remote control.

It provides one-handed control and management with its specially designed remote control without the need for a professional UAV pilot. You can fly uninterruptedly at any point where you provide mains voltage. In case of emergency or power failure, the battery in the power unit will automatically ensure the safe landing of the UAV.

# G6LS Tethered Lighting UAV

## Aircraft Specifications

Product Name	:G6LS
Centimeter Precise Positioning	:RTK Technology
Flight Altitude (m)	:50 m
Automatic Takeoff	:No
Automatic Landing	:Yes
Emergency Landing Mode	:Yes, Automatic
Take-off Weight (gr)	:1430 gr
Dimension (mm)	:296*296*203
Wind - Rain Class	:Class7 (13,9~17,1m/sn) - Class10 (10L/sn)
Maximum Working Height (Altitude)	:4500 m
Operation Possibility	
Operating Temperature (°C)	:-20°C - +50°C



## Lighting LED Module Features

Lighting Unit Power (W)	:720W
Lighting Source	:Power LED
Color Temperature(CCT)	:6500K
Color Rendering Index	:>70
Lighting Area	:>6000m2

## Control Controller Features

Control Communication Frequency (GHz)	:2.4 Ghz
Remote Control Communication Distance	:<500 m
Number of Channels	:32

## Power Unit Specifications

Input Voltage (AC)	:220-240V, AC 50/60 Hz
Max. Power (W)	:1250 W
Assembly Time / Workspace	:5dk / 5m <sup>2</sup>
Reel Winding - Release	:Yes, Automatic - Manual
Weight (kg)	:27 kg
Size (cm)	:760*540*400

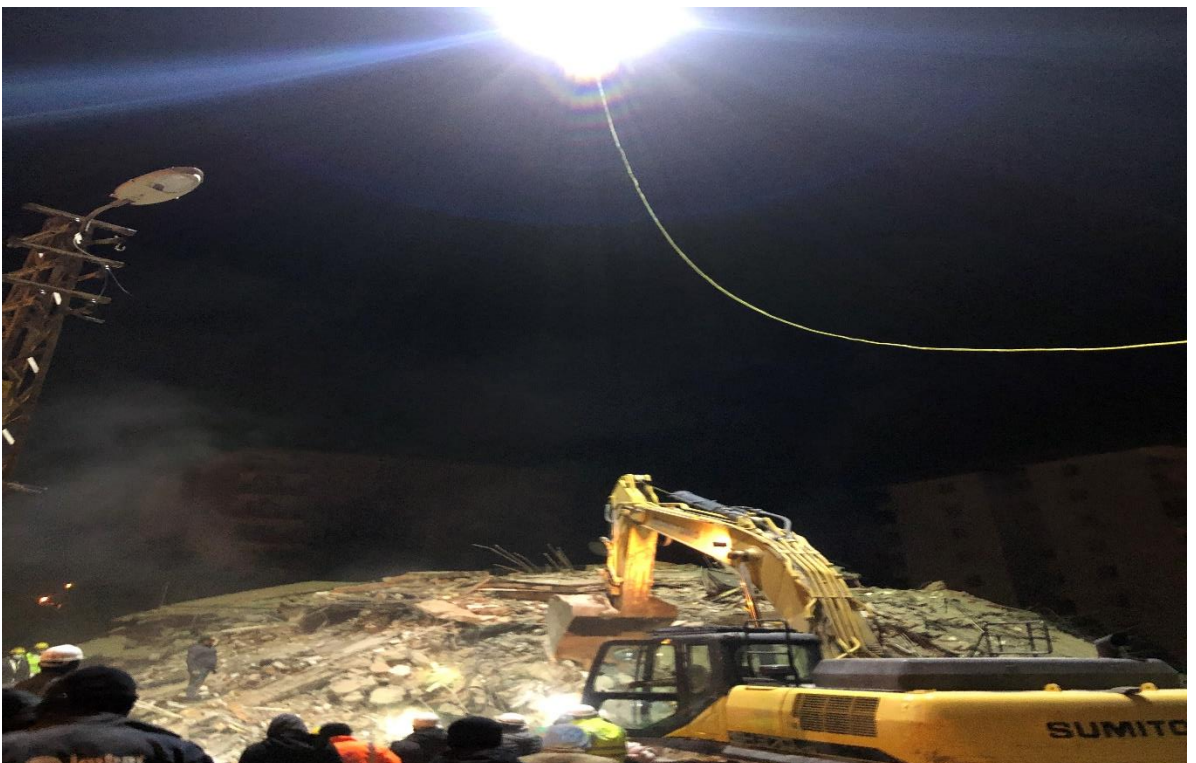


## Product Order Information

Product Code	Power	Input Voltage	CCT/CRI	Departure Weight	Flight Duration	Dimensions	Cable Length
G6LS-04-RW-32-TET-50	720W	220 VAC 50-60 Hz	6500K / 70 CRI	1430 gr	24s	L65x W30 x H42 cm	50 m

- Product average maximum power is 1.25 kW. You can use a generator or portable power station where there is no mains voltage.
- You can use the product for at least 1 hour with a 1250W Lithium Battery portable power station
- You can also use it without interruption with a gasoline generator with a continuous power of at least 1.25kW. We recommend a generator due to price/performance and long-term use.

## Application Visuals



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## Lighting Test



In the illumination test performed by taking our wired illuminated aircraft to an altitude of 5m (AGL), 687lux was obtained on the ground, 230lux was obtained at an altitude of 10m (AGL) and 80lux was obtained in the illumination measurement made while flying at an altitude of 15m (AGL). The visuals of the results of the measurements made with the Luxmeter at 5m, 10m and 15m are as follows.

## Lighting Test Results



5m- 687lx

10m- 230lx

15m- 80lx