



2021, January 1st
data subject to change

Lightgogo I

LED Roadway Lighting

Smart LED Street Lights 60 to 200 Watts

[Installation Instructions
on Page 11 and Page 12]



60, 120, 150, 200 Watts

3000K/4000K/5000K

5 Years Warranty

Calculated L80>100,000h @ Ta 25°C



Why Lightgogo I ?

The Lightgogo I smart LED street lights, are optimized for customers requiring a motion detectable, programmable, smart dimming, and super high-efficiency solution. Used for roadways and public lighting applications.

ANETHIC's unique 10-period programmable load power solution, which is based on each period's control. Moreover, the human microwave sensing functions, are available with sensing delay time settable, under each period's control.

With its wireless communication of remote controllers, they are allowing for setting, reading parameters and reading status, etc. They are also extensible to IoT remote communication monitoring functions.

Ergonomic and dedicated photometric distributions are designed for various roadway applications. And to optimize application efficiency, minimize glare, and significantly reduce light pollution.

This reliable unit has a 100,000-hour design life, significantly reducing maintenance needs, and expense over the life of the fixture. This efficient solution and its unique programmable, motion sensing, smart dimming, and programmable solution are going to substantially lower energy consumption, and operating costs.



Lighting Features

Programmable + Smart dimming + Motion sensor + Delay time settable

- Its human microwave motion sensing function makes the lamp sensible and sensing delay time settable.
- Unique 10-period programmable load power, based on each period's control.
- Remote controller's wireless communication, allowing for setting, reading parameters, reading status, etc.
- Extensible to IoT remote communication monitoring functions.

180lm/w + Smart dimming + Remote control + IoT extensible

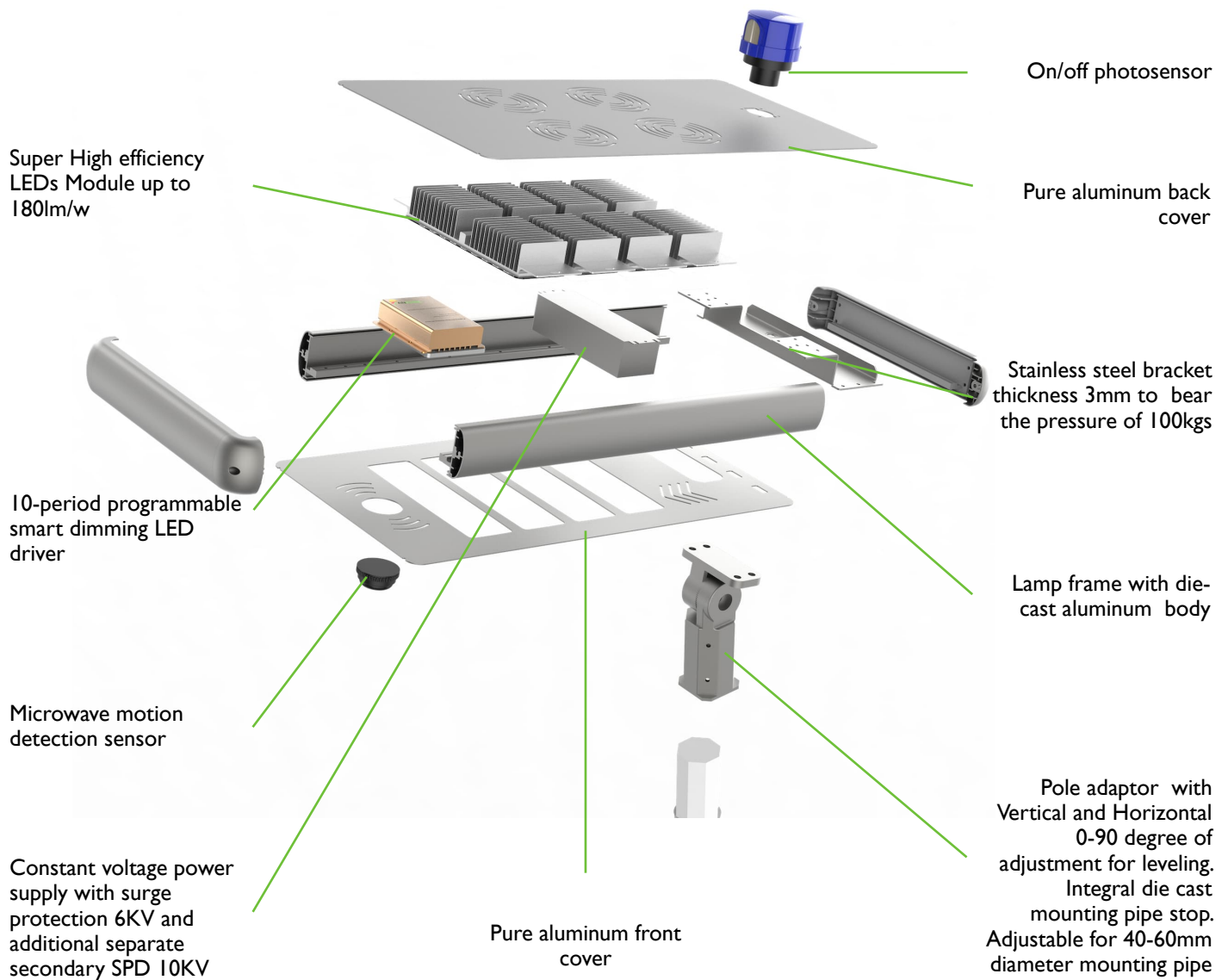
- Super high-efficiency up to 180LM/W, more than 15 years of service life.
- 70 CRI at 3000K, 4000K, and 5000K typical.
- Ergonomic and dedicated photometric distributions, available for various roadway applications.
- Photocell optional.

Applications

- Roadway lighting
- Urban roads
- Major streets
- Residential areas
- Overpasses
- Public areas lighting
- Theme parks
- Squares
- Parking lots



Design Features



Specifications

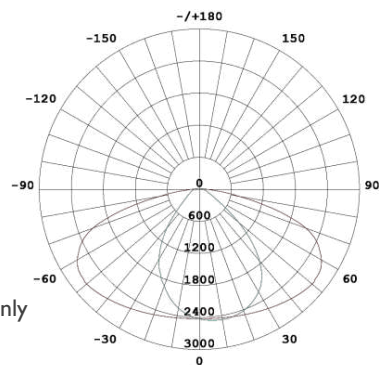
Model Name	Lightgogo I			
Total Power	60 W	120 W	150 W	200 W
Smart Controller's Input Voltage (BatType)	12 Vdc	24 Vdc	24 Vdc	24 Vdc
Load Current(max.) (LED-Cur)	2.0 A	2.2 A	2.9 A	3.8 A
LED & Optical				
Lumen Output(lm)	10,500 lm	21,000 lm	26,250 lm	35,000 lm
Photometric Options	Type I/II /III Short, Type II/III Medium, Type V, Type V Square			
System Efficacy	170-180 lm/w			
CCT	3000K, 4000K, 5000K, 5700K			
Electrical & Controls				
Input Voltage	100 ~ 277Vac			
Input Frequency	50 / 60Hz			
Power Factor (PF)	>0.95			
Total Harmonic Distortion(THD)	<20%			
Dimming	Standard with 10-period programmable load power based on each period's control, IoT remote communication monitoring functions optional			
Sensors	Standard with Microwave Motion Detection Sensor. Photo electric sensors (PE) optional			
Construction & Finish				
Housing	Die Cast Die-cast Aluminum. Casting-integral heat sink for maximum heat transfer			
Lensing	Impact resistant tempered pc, standard			
Paint	Corrosion resistant polyester powder painted minimum 2.0 mil. thickness, Standard Colors: Gray. RAL & custom colors available			
Ratings & Safety				
Surge Protection	Surge protection(driver internal) 6KV, additional separate secondary SPD 10KV			
IP Rating	IP67			
Environmental	Compliant with the materials restrictions of RoHS			
EMI	Title 47 CFR Part 15 Class A			
Vibration	3G per ANSI C136.31-2010			
Warranty	5 Year Standard			
Mounting	Vertical and Horizontal with 0-90 degree of adjustment for leveling. Integral die cast mounting pipe stop. Adjustable for 40-60mm diameter mounting pipe			

Note

The power supply's output voltage=smart controller's input voltage=12vdc for 60W, x2 for power 120W, 150W and 200W.
Smart controller's output voltage=LED module's input voltage which is 20-27Vdc for 60W, x2 for powers 120W, 150w and 200W.

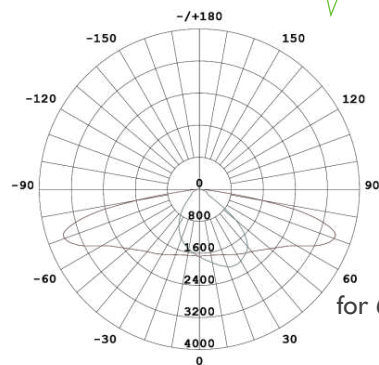
Lighting Distributions (Part I I)

Type I Short
(2210)
1,0500 Lumens
60W, 5000K
for 60W model only

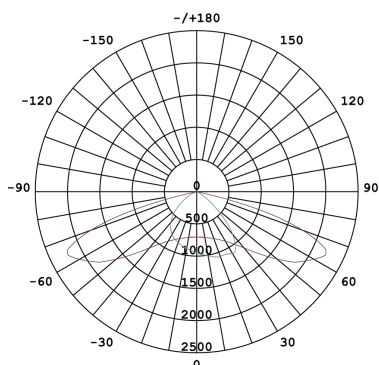


The default lens option for 60W power

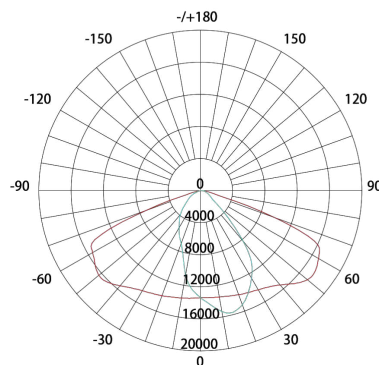
Type I Short
(2219)
1,0500 Lumens
60W, 5000K
for 60W model only



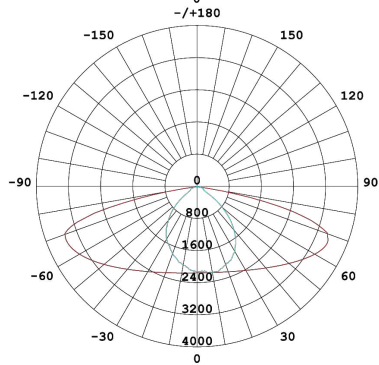
Type I Short
(1107)
2,1000 Lumens
120W, 5000K



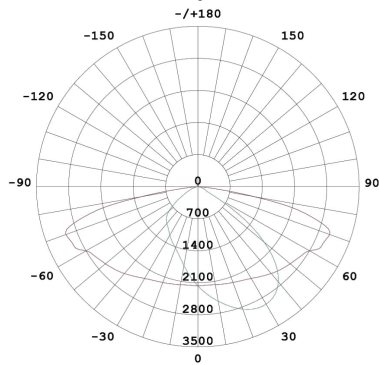
Type I Short
(2125)
2,1000 Lumens
120W, 5000K



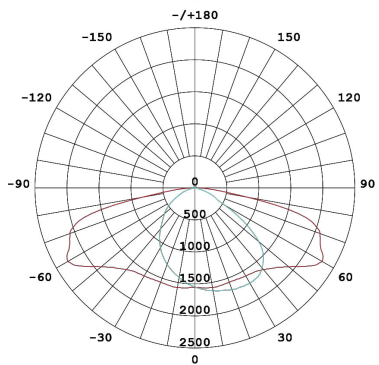
Type II Short
(2105)
2,1000 Lumens
120W, 5000K



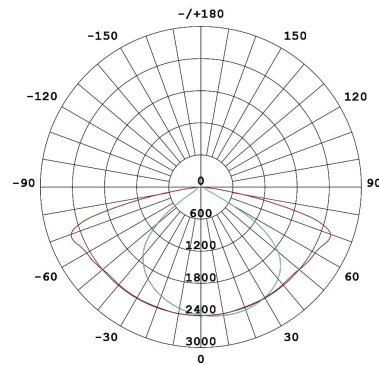
Type II Short
(2128)
2,1000 Lumens
120W, 5000K



Type II Short
(3106)
2,1000 Lumens
120W, 5000K



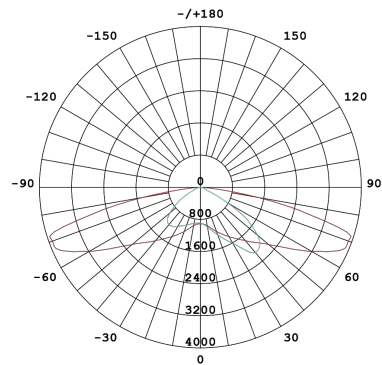
Type II Short(V)
(3108)
2,1000 Lumens
120W, 5000K



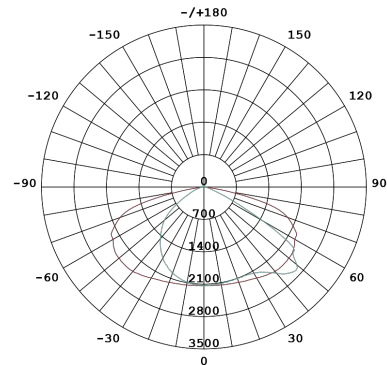
The default lens option for 120W, 150W and 200W power

Lighting Distributions (Part I I)

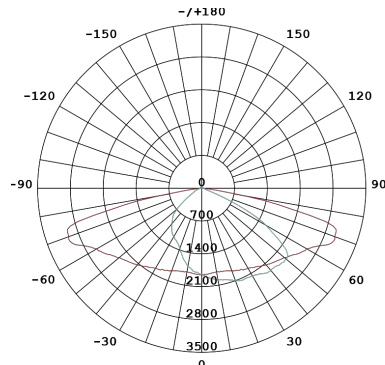
Type II Medium
(2111)
2,1000 Lumens
120W, 5000K



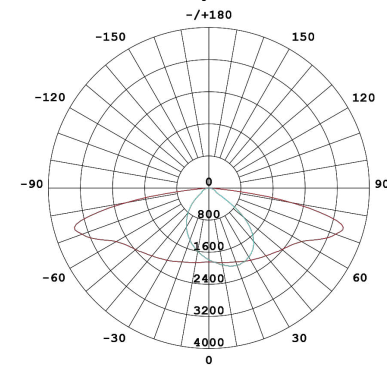
Type III Short
(1113)
2,1000 Lumens
120W, 5000K



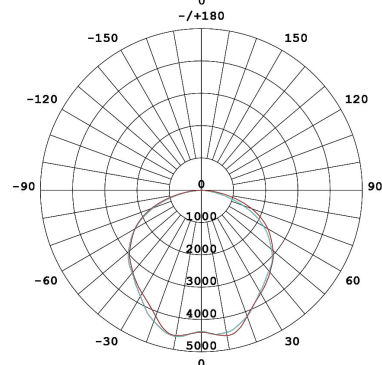
Type III Medium
(2127)
2,1000 Lumens
120W, 5000K



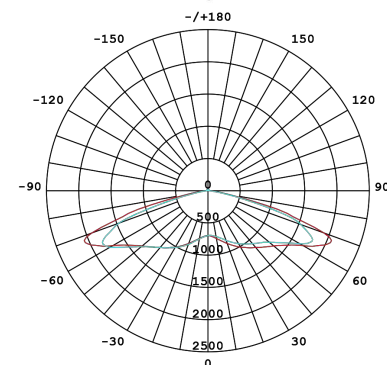
Type III Medium
(2109)
2,1000 Lumens
120W, 5000K



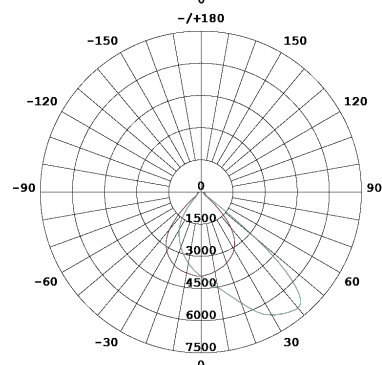
Lambert Type
(2310)
2,1000 Lumens
120W, 5000K



Square Lighting
(2114)
2,1000 Lumens
120W, 5000K



Sport Lighting
(2212)
2,1000 Lumens
120W, 5000K



Programming Settings by Remote Controller

No.	Code	Description	Default parameters	Data range	Step length
1	BatType	Smart controller's input voltage choosing	Li12	12V or 24V	-
2	S-D-Time	Sensing delay time	10S	0 second to 60 mints	1S
3	PV-Wake	PV wake up	Yes	Yes/No	-
4	L-Con-V	Light control voltage	5.0V	3.0V~11.0V	1V
5	L-Con-DT	Light control delay time	10S	5 second to 60 mints	1S
6	Over-DV	Over discharge voltage	11.2V	7.5V~17.0V	0.1V
7	Over-DRV	Over-discharge recovery voltage	12.6V	7.5V~17.0V	0.1V
8	Chg-Volt	Charge voltage	14.6V	7.5V~17.0V	0.1V
9	Chg-CR-V	Charge recovery voltage	13.6V	7.5V~17.0V	0.1V
10	Cold Chg	To charge at min. temperature	-35°C	-40°C~-00°C	1°C
11	HeatWork	To work at max. temperature	65°C	40°C~90°C	1°C
12	LED-Cur	LED load current	600mA	150mA~10A	10mA
13	SmartPow	Smart power	Auto	Auto/Low/Mid /High/No/USE	
14	Load Pow Set	10-period power settings table	Press To Enter The Load Parameters Setting Interface		
15	Re-Deflt	Restore factory default values	No	Yes/No	-
16	AC-SW-V	Switching voltage between solar and mains 100-240Vac for hybrid system	11.5V	2.0V~17.0V	0.1V

Remote Controller



Note

1. Above parameters under **green** color are available for the Lightgogokit and Lightgogo I series.
2. All parameters are available for Lightgogo4, Lightgogo5, and ANETHIC's other solar street light products.
3. The Switching Voltage is only available for ANETHIC's Hybrid products and systems.
4. The 12Vdc is a standard system, voltages of code no. 6/7/8/9 will automatically*2 to run a 24Vdc system.

10-Period Power Settings Table

Find no.14 with code "Load Pow Set" in main menu and press to enter the 10-period Load Parameters Setting Interface below

No.	Code	Description	Default parameters	Data range	Step length
a	S-Time-1	1 - period	4:00	0 to 15 hours	1 minute
b	S-C-Pow1	Power with human motion sensed	70%	0~100%	1%
c	S-L-Pow1	Power without human motion sensed	20%	0~100%	1%
d	S-Time-2	2 - period	5:00	0 to 15 hours	1 minute
e	S-C-Pow2	Power with human motion sensed	40%	0~100%	1%
f	S-L-Pow2	Power without human motion sensed	10%	0~100%	1%
g	S-Time-3	3 - period	6:00	0 to 15 hours	1 minute
h	S-C-Pow3	Power with human motion sensed	60%	0~100%	1%
i	S-L-Pow3	Power without human motion sensed	20%	0~100%	1%
j	S-Time-4	4 - period	0:00	0 to 15 hours	1 minute
k	S-C-Pow4	Power with human motion sensed	100%	0~100%	1%
l	S-L-Pow4	Power without human motion sensed	10%	0~100%	1%
m	S-Time-5	5 - period	0:00	0 to 15 hours	1 minute
n	S-C-Pow5	Power with human motion sensed	100%	0~100%	1%
o	S-L-Pow5	Power without human motion sensed	10%	0~100%	1%
p	S-Time-6	6 - period	0:00	0 to 15 hours	1 minute
q	S-C-Pow6	Power with human motion sensed	100%	0~100%	1%
r	S-L-Pow6	Power without human motion sensed	10%	0~100%	1%
s	S-Time-7	7 - period	0:00	0 to 15 hours	1 minute
t	S-C-Pow7	Power with human motion sensed	100%	0~100%	1%
u	S-L-Pow7	Power without human motion sensed	10%	0~100%	1%
v	S-Time-8	8 - period	0:00	0 to 15 hours	1 minute
w	S-C-Pow8	Power with human motion sensed	100%	0~100%	1%
x	S-L-Pow8	Power without human motion sensed	10%	0~100%	1%
y	S-Time-9	9 - period	0:00	0 to 15 hours	1 minute
z	S-C-Pow9	Power with human motion sensed	100%	0~100%	1%
a	S-L-Pow9	Power without human motion sensed	10%	0~100%	1%
b	MorTime	10 - period	0:00	0 to 15 hours	1 minute
c	S-C-Pow	Power with human motion sensed	100%	0~100%	1%
d	S-L-Pow	Power without human motion sensed	10%	0~100%	1%
Go Back		Go Back To Main Menu	Press To Go Back To The Main Menu Setting Table		

Note

Above parameters are all available for Lightgogo 1/4/5/kit series products

Key Functions of Remote Controller

Send information...

- I. Determine the working time, from 0 seconds to 60 minutes after motion detection, check it with code no. 2 “S-D-Time”.
- II. Setup the load power according to request, with code no. 12 “LED-Cur”.
- III. Design your very personal and professional settings, with each period’s working time, power before and after motion detection, find code no. 14 “Load Pow Set” and press to enter the load parameters setting interface.

Receive parameters and check the working status...

- I. To receive and check the parameters have sent, and make sure things are all right.
- II. Check the load info. such as working current, voltage, and power, etc.
- III. Find out the total working time in the past few days, such as totally sensing hours, total working hours, totally working days etc. That helps to make a better decision for better parameter settings.

To simply test your lamp...

- I. By pressing the “Test” key of the remote controller, to send a test command to the lamp.
- II. The test powers are 100%, 70%, 50%, and 30% in turn.

Remote Controller



Steps to Run a Remote Controller

Step 1: Press any key to turn on the remote controller device.

Step 2: Determine all your parameters in main menu.

Step 3: Enter the load parameters setting interface, to have your full working time and power settings.

Step 4: Find the “Send” key, then press it to send parameters to the smart LED street light, and it's done.

Note

To have perfect parameters of your system, you need to read carefully the User Manual of the remote controller, and there are more functions are waiting for you to discover.

Ordering Information

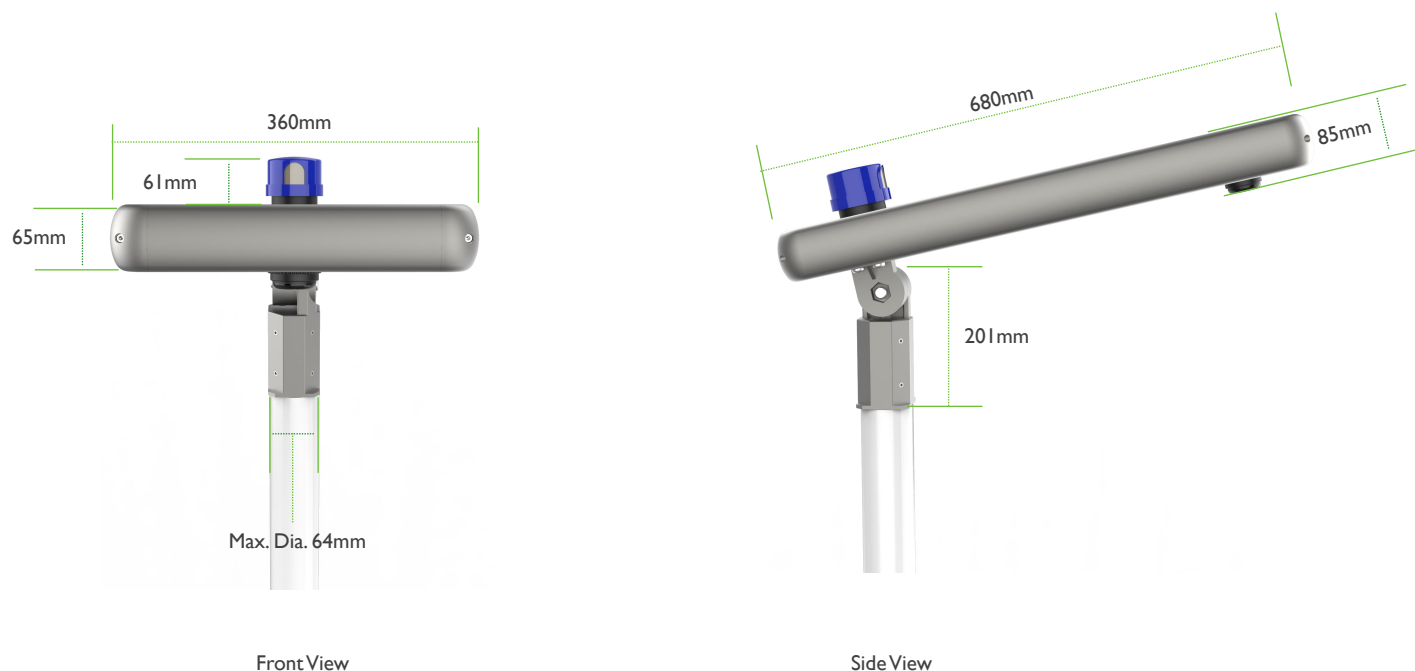
Example: Lightgogo I-60WEPW2219PI

Product Code	Power	—	Voltage	Light color	Optics	LEDs	—	Options
Lightgogo I-60W	60 W	—	E	PW	2219	PI	—	Example
Lightgogo I-60W	60W		E: 100-277V	WW: 3000 K NW: 4000 K PW: 5000 K	2210, 2219	PI: Super bright 5050 LEDs		1. Photocell
Lightgogo I-120W	120 W							
Lightgogo I-150W	150 W							
Lightgogo I-200W	200 W							

Note

Please contact us for the options and the lead time which will be varied depending on the options selected.

Packaging Information



Product Code	Packaging Unit	Product Dimensions LxWxH	Net Weight	Packaging Dimensions LxWxH	Gross Weight	Volume	Quantity In 20ft Container
Lightgogo I-60W	One carton box	680x360x65 mm	9.0 kg	895x430x165 mm	10.5 kg	0.065 m ³	400 Sets
Lightgogo I-120W	One carton box	680x360x65 mm	9.5 kg	895x430x165 mm	11.0 kg	0.065 m ³	400 Sets
Lightgogo I-150W	One carton box	680x360x65 mm	10.0 kg	895x430x165 mm	11.5 kg	0.065 m ³	400 Sets
Lightgogo I-200W	One carton box	680x360x65 mm	10.5 kg	895x430x165 mm	12.0 kg	0.065 m ³	400 Sets



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E-mail: anethic@anethic.com

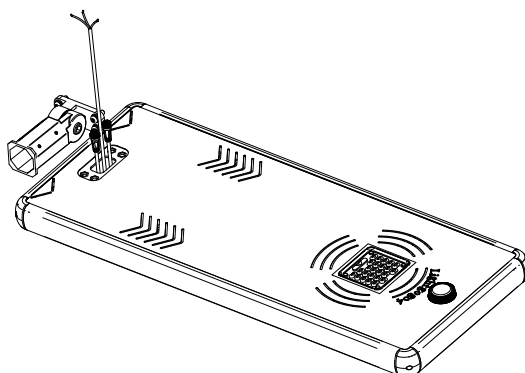
WhatsApp: +86 135 3008 9063

Web: www.ANETHIC.com

Installation Instructions

Step 1 - Check all materials and place the lamp body in right position

Open the Lightgogo 1 box. Place the product with the back side down and the LED light source side up (as shown in the picture below), and put the product on a flat surface which protected by cushioning cotton (very important). Find the pole adaptor x 1pc, screws bag x 1pc, and AC100-240V cable x 1pc.



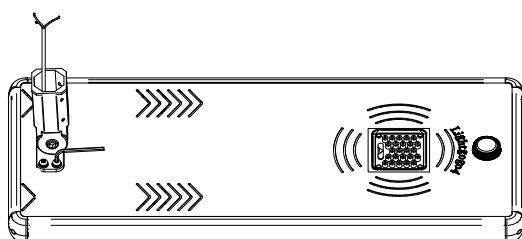
Step 2 - Place the AC100-240V cable

Pick up the pole adaptor, find the 2 cable holes located at the top and middle of pole adaptor, (as shown in the picture below), put the AC100-240V cable through the top and middle of the 2 cable holes in turn, and pass it through the cavity of pole adaptor.



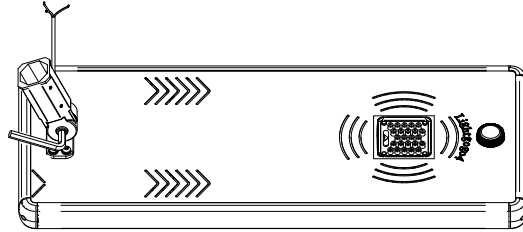
Step 3 - Install the pole adaptor

Put the pole adaptor to the correct position. (attention that the 4pcs fastening screws side faces the tail of the light body) Find the screw package and tighten the four screws in turn.



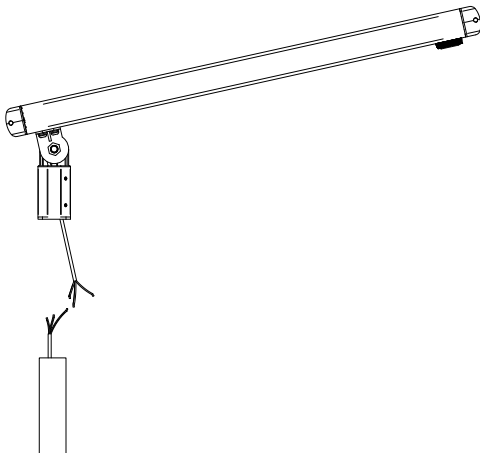
Step 4 - Take a right installation angle (15° or 20° degrees preferred)

Loosen the screw of the pole adaptor, rotate the pole adaptor backward and check the angle scale on it, tighten the screw before rotating to the perfect angle needed. (choose 15° or 20° degrees to run a better solution)



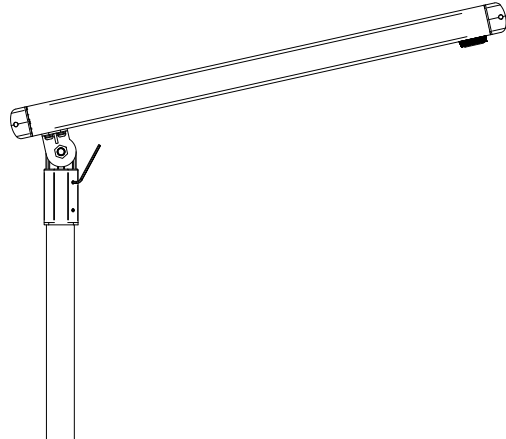
Step 5 - Connect the AC100-240V cable to grid power

Connect the AC100-240V cable to your local Grid Power.
(Live wire in Brown color; Neutral wire in Blue Color; and Ground wire in Yellow+Green double color)



Step 6 - Connection between pole and LED street light

Connect the pole adaptor with street light pole, tighten the 4 pcs screws on the pole adaptor, and the installation is done. (preferred pole top diameter 60-62mm)



Note

Please do not hesitate to contact us immediately if you have any questions during the installation process, wish you happy and a great job done!