



**IC Lumiere**  
LED Innovative Solution Provider

*First Metropolis Corp*  
*7300 Wayne Avenue, Suite 509*  
*Miami Beach, FL 33141*  
*USA*

*1-877-708-7887*

# ABOUT US

## Breakthrough Innovations to Lead the LED Lighting Market

ICBright is a market leader in innovations. Its proprietary technologies and key product lines with full intellectual property rights, IC LED, is changing the landscape of LED lighting industry. IC LED products greatly reduce the costs of most LED lamps while maintaining excellent quality as well as making downstream production of LED lamps extremely simple. Because IC LED's circuitry is printed on a ceramic base directly, no traditional PCB or any etching processes are used, the production process of LED lamps based on IC LED is green, there are no pollutions to the environment during production in contrast to that of current LED lamps.

## Competitive Advantages of Proprietary IC Manufacturing Process and System in Packaging (SiP) Technologies

ICBright has the technical capabilities to develop proprietary IC manufacturing processes and has the long-term cooperation relationships with some world's most advanced IC Fabs, which brings unparalleled advantages to develop IC products with best functions and performances as well lower costs, also difficult to be imitated and replicated easily. ICBright has developed a LED lighting driver IC chip of the world's lowest cost based on proprietary IC manufacturing processes in year 2013, and has further developed systematic packaging of LEDs and all driver components packaged at wafer level, the most advanced technologies of its kind.

## Industry Resources and Alliances

ICBright is very capable of integrating industrial resources, has built strategic relations with elite research institutes and universities, such as Institute of Microelectronics of Chinese Academy of Science Shanghai Institute of Microsystem and Information Technology of The School of Software and Microelectronics of Peking University, etc., to continuously develop new technologies and new products.

## Management Team with World Class Calibers

ICBright has attracted top talents in IC design, process, application, packaging and other related technological fields, most of tech team members have many years of working experiences in top multinational IC chip companies in USA and Europe. Its operational team are also very experienced and skillful in every aspects of corporate management. ICBright will continue its innovation to develop more products and its technological capabilities to lead the market.



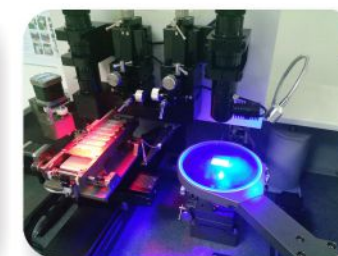
# CONTENTS

<b>IC LED Module</b>	04
Moon	04
Donut	04
Big Moon	05
High Power Series	05
Driver Chip Series	06
HV COB Series	06
DOB Modules	07
<b>SKD&amp;Final Product</b>	08-21
Bulb Lights	09
Down Lights	10
Flood Lights	11
High Bay Light	12
MR16/GU10	13
Tube Lights	14
Panel Lights	15
New Design Panel Lights	16
Down Lights	17
Down Lights	18
Horicultural Light	19-21



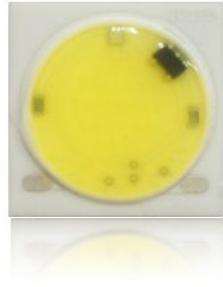
## Who We Are?

- ICBright is a market leader in innovations in LED industry.
- ICBright has technological capability to tail make your solution.



# IC LED Module

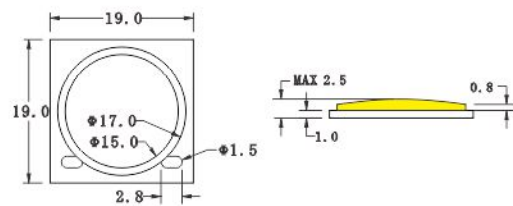
## Moon



### Features

IC Bright's most cost-efficient model  
 High PF, Pass EMI  
 Easy installation  
 Directly connect to AC, NO external power module needed  
 Ceramic substrates, Hi-pot>4kv

### Dimensions



### Specifications

Model	Power(w)	Input Voltage(v)/ Frequency(Hz)	Power Factor	Color Temp(k)	CRI	Luminous Efficacy (lm/w)	Warranty Time(year)
Moon	5~9	AC220-240,stand 170v-300v/50HZ	0.9	2700~6500	70/80/90	85~100	2
Donut	5~15	AC220-240,stand 170v-300v/50HZ	0.9	2700~6500	70/80/90	85~100	2

### Applications

Bulb, Spot Lights

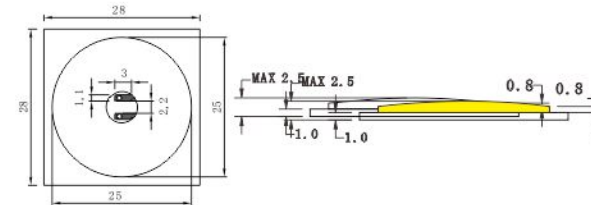
## Donut



### Features

High luminous efficacy  
 High PF  
 Easy installation, Poke-in connection  
 Directly connect to AC, NO external power module needed  
 Ceramic substrates, Hi-pot>4kv

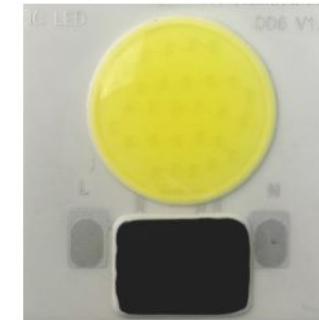
### Dimensions



### Applications

Down Lights, Special Application

## Big Moon

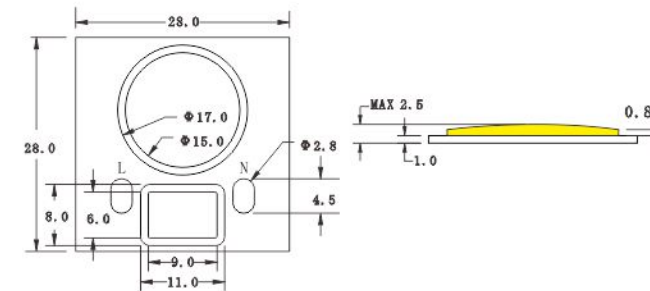


Coming

### Features

Full range from 5w to 24w  
 High PF, Pass EMI  
 Easy installation  
 Directly connect to AC, NO external power module needed  
 Ceramic substrates, Hi-pot>4kv

### Dimensions



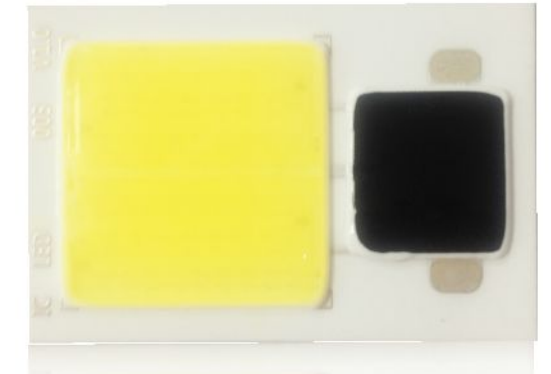
### Specifications

Model	Power(w)	Input Voltage(v)/ Frequency(Hz)	Power Factor	Color Temp(k)	CRI	Luminous Efficacy (lm/w)	Warranty Time(year)
Big Moon	5~24	AC220-240,stand 170v-300v/50HZ	0.9	2700~6500	70/80/90	85~100	2
High Power	20~50	AC220-240,stand 170v-300v/50HZ	0.9	2700~6500	70/80/90	85~100	2

### Applications

COB Down Lights

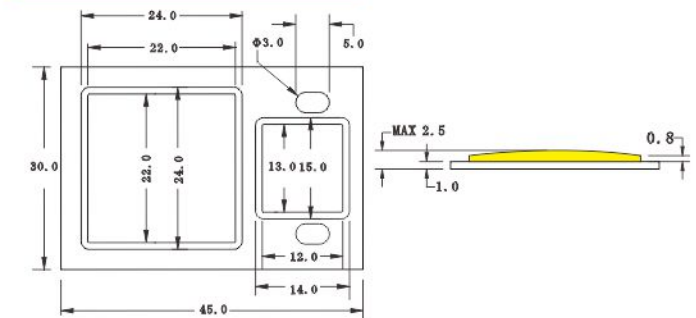
## High Power Series



### Features

Power range up to 50W  
 High PF  
 Easy installation  
 Directly connect to AC, NO external power module needed  
 Ceramic substrates, Hi-pot>4kv

### Dimensions



### Applications

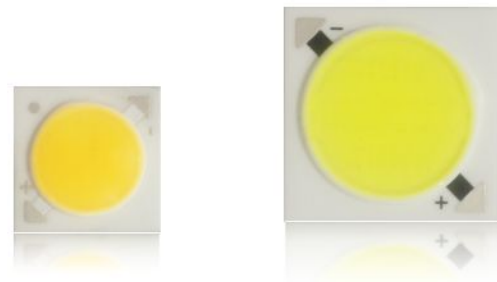
Flood Lights

# IC LED Module

## Driver Chip Series



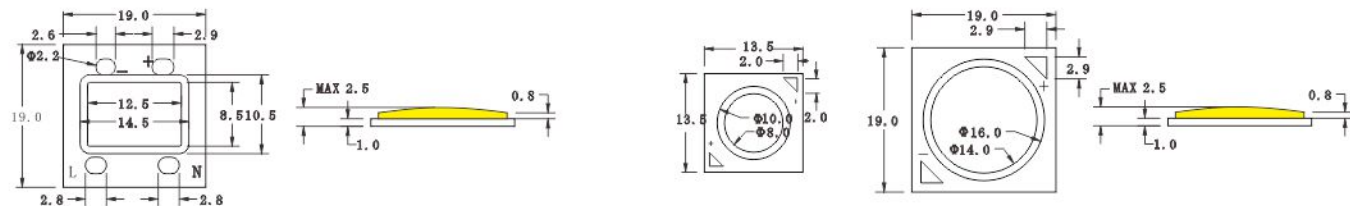
## HV COB Series



### Features

- Full range from 5W to 24W
- High PF, Pass EMI
- Very cost efficient
- System integrating packaged driver, BIS free

### Dimensions



### Specifications

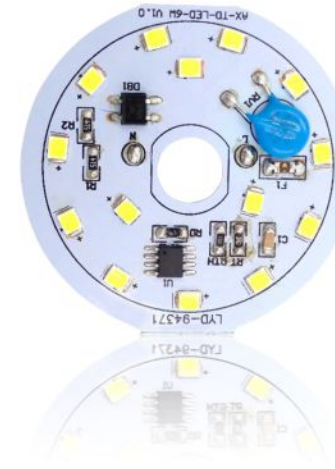
Model	Power(w)	Input Voltage(v)/ Frequency(Hz)	Output Voltage(v)	Efficiency	Power Factor	Warranty Time(year)
Driver Chip	5~24	AC220-240, stand 170v-300v/50HZ	DC220-240	85%	0.9	2

Model	Power(w)	Input Voltage(v)/ Frequency(Hz)	Color Temp(k)	CRI	Luminous Efficacy (lm/w)	Warranty Time(year)
HV COB 1313	3~12	DC220-240	2700~6500	70/80/90	105~120	2
HV COB 1919	12~24	DC220-240	2700~6500	70/80/90	105~120	2

### Applications

Tube Lights, COB Down Lights

## DOB Downlight



### Features

- Multiple Channel Constant Current IC, AC220-240, stand 130v-300v
- High Quality & High Lumen Leds
- PF0.9, No Shadow in the center
- Assembly, Easy Replacement.
- TRIAC Dimmable

### Specifications

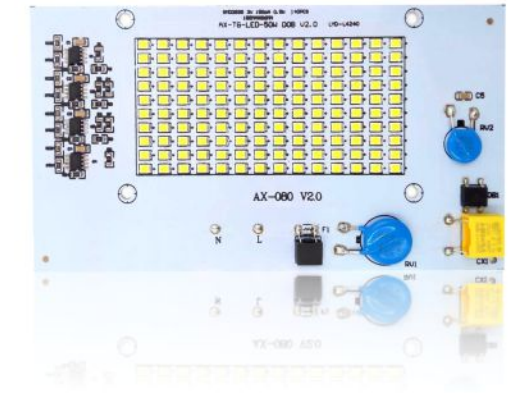
Model	Lamp Power(W)	Input Voltage(v)/ Frequency(Hz)	Size	PCB thickness	IC	Color Temp	CRI	Surge Protection
IB-B-37-05P-A1	3W/5W	AC220-240, stand 130v-300v, 50/60HZ	D45	1.0	4-channel	2700/6500	70/80	1KV
IB-B-40-07P-A1	6W/7W		D52	1.0	4-channel	2700/6500	70/80	1KV
IB-B-48-09P-A1	10W/12W		D80	1.0	4-channel	2700/6500	70/80	1KV
IB-B-50-12P-A1	15W		D103	1.0	4-channel	2700/6500	70/80	1KV
IB-B-55-15P-A1	18W/20W		D103	1.0	4-channel	2700/6500	70/80	1KV

Model	Lamp Power(W)	Input Voltage(v)/ Frequency(Hz)	Size	PCB thickness	IC	Color Temp	CRI	Surge Protection
IB-F-110*68-20P-A1	20W	AC220-240, stand 130v-300v, 50/60HZ	110*68	1.5	4-channel	2700/6500	70/80	2.5kv
IB-F-120*85-30P-A1	30W		120*85	1.5	4-channel	2700/6500	70/80	2.5kv
IB-F-158*86-50P-A1	50W		158*86	1.5	4-channel	2700/6500	70/80	2.5kv
IB-F-197*180-100P-A1	100W		197*180	1.5	4-channel	2700/6500	70/80	2.5kv

### Applications

DOB Down Lights

## DOB Floodlight



### Features

- Multiple Channel Constant Current IC, AC220-240, stand 130v-300v
- Built-in Surge Protector 2.5KV
- Reliable, longer Life Span
- Assembly, Easy Replacement.

### Applications

Flood Light

# LED BULB

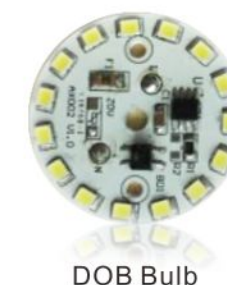
- AC direct, easy assemble
- Cost effective
- 2 years warranty



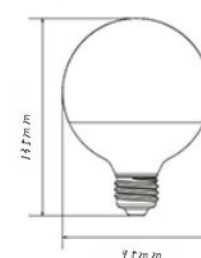
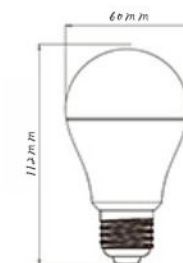
B100G02-25B



B65G04-9B



DOB Bulb



B95G03-10W

Switch 15000	RA >80	 Dimmable is available
Lifespan 20000h	CT 2700-3500k 4000-4500k 6000-6500k	

## Advantages of ICLED:

- Longer Life Span: As linear solution does not use capacitors, the lamps will have longer life.
- Price Competitive: linear solution needs less peripheral components, it is cheaper than SMPS.
- Easy Assembly: IC driver is integrated with leds, it is extremely easy to assemble.
- Most economical TRIAC Dimmable solutions.

Model	Power(w)	Input Voltage(v)/ Frequency(Hz)	IC	Light Source	Color Temp	CRI	PF	Lumen (LM)	Base
B55G04-5B	5	AC220-240, stand 130v-300v, 50/60HZ	4-channel	DOB	2700/6500	70/80	0.9	400	E27/B22
B60G04-7B	7		4-channel	DOB	2700/6500	70/80	0.9	560	E27/B22
B65G04-9B	9		4-channel	DOB	2700/6500	70/80	0.9	820	E27/B22
B70G04-12B	12		4-channel	DOB	2700/6500	70/80	0.9	960	E27/B22

Model	Power(w)	Input Voltage(v)/ Frequency(Hz)	IC	Light Source	Color Temp	CRI	PF	Lumen (LM)	Base
B80G02-12B	10~12	AC220-240, stand 130v-300v, 50/60HZ	4-channel	DOB	2700/6500	70/80	0.9	400	E27/B22
B100G02-25B	20~25		4-channel	DOB	2700/6500	70/80	0.9	560	E27/B22
B120G02-45B	40~45		4-channel	DOB	2700/6500	70/80	0.9	820	E27/B22
B142G02-60B	60		4-channel	DOB	2700/6500	70/80	0.9	960	E27/B22

Model	Power(w)	Input Voltage(v)/ Frequency(Hz)	IC	Light Source	Color Temp	CRI	PF	Luminous Efficacy (lm/W)	Base
B80G03-7W	7	AC220-240, stand 130v-300v, 50/60HZ	4-channel	DOB	2700/6500	70/80	0.9	80~90	E27/B22
B95G03-10W	10		4-channel	DOB	2700/6500	70/80	0.9	80~90	E27/B22
B120G03-18W	15~18		4-channel	DOB	2700/6500	70/80	0.9	80~90	E27/B22
B150G03-20W	20		4-channel	DOB	2700/6500	70/80	0.9	80~90	E27/B22

# AC DOWN LIGHT

- AC Direct
- Cost Effective
- Longer Lifespan



DOB DOWNLIGHT



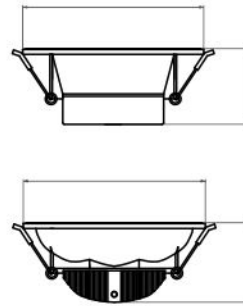
D3(G)06-6B



D4(G)08-9B



Donut



Switch 15000	RA >80	 Dimmable is available
Lifespan 20000h	CT 2700~3500k 4000~4500k 6000~6500k	

Model	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Light Source	Color Temp	CRI	PF	Luminous Efficacy (lm/W)	SIZE	Warranty Time
D4(G)08-9B	9	AC220-240, 50/60HZ	ICLED/Donut	2700/6500	70/80	0.9	80~90	28*28	2 years
D4(G)08-12B	12		ICLED/Donut	2700/6500	70/80	0.9	80~90	28*28	2 years

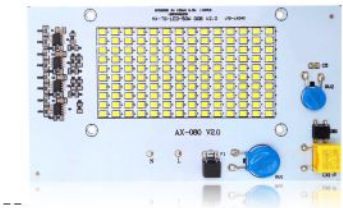
Model	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Light Source	Color Temp	CRI	PF	Luminous Efficacy (lm/W)	SIZE	Warranty Time
D3(G)06-3B	3W/5W	AC220-240, 50/60HZ	DOB	2700/6500	70/80	0.9	80~90	D45	2 years
D3(G)06-6B	6W/7W		DOB	2700/6500	70/80	0.9	80~90	D52	2 years
D3(G)06-10B	10W/12W		DOB	2700/6500	70/80	0.9	80~90	D80	2 years
D3(G)06-15B	15W		DOB	2700/6500	70/80	0.9	80~90	D103	2 years
D3(G)06-18B	18W/20W		DOB	2700/6500	70/80	0.9	80~90	D103	2 years

# FLOOD LIGHT

- Aluminum housing
- IC LED inside
- Price competitive



F(G)03-20B



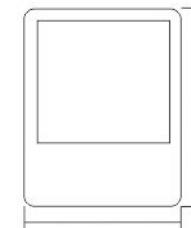
DOB FLOODLIGHT



High Power Series



F(G)02-50B



Switch 15000	RA >80
Lifespan 20000h	CT 2700~3500k 4000~4500k 6000~6500k

Model	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Light Source	Color Temp	CRI	Surge Protection	PF	Luminous Efficacy (lm/W)	SIZE	Warranty Time
F(G)03-20B	20	AC220-240, stand 130v-300v, 4 channel IC	DOB	2700/6500	70/80	2.5kv	0.9	80~90	110*68	2 years
F(G)03-30B	30		DOB	2700/6500	70/80	2.5kv	0.9	80~90	120*85	2 years
F(G)03-50B	50		DOB	2700/6500	70/80	2.5kv	0.9	80~90	158*86	2 years
F(G)03-100B	100		DOB	2700/6500	70/80	2.5kv	0.9	80~90	197*180	2 years

Model	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Light Source	Color Temp	CRI	Surge Protection (external)	PF	Luminous Efficacy (lm/W)	SIZE	Warranty Time
F(G)02-20B	20	AC220-240, 50/60HZ	ICLED/HP	2700/6500	70/80	2kv	0.9	90~100	30*45	2 years
F(G)02-30B	30		ICLED/HP	2700/6500	70/80	2kv	0.9	90~100	30*45	2 years
F(G)02-50B	50		ICLED/HP	2700/6500	70/80	2kv	0.9	90~100	30*45	2 years
F(G)02-100B	100		ICLED/HP	2700/6500	70/80	2kv	0.9	90~100	30*45	2 years

# HIGH BAY LIGHT

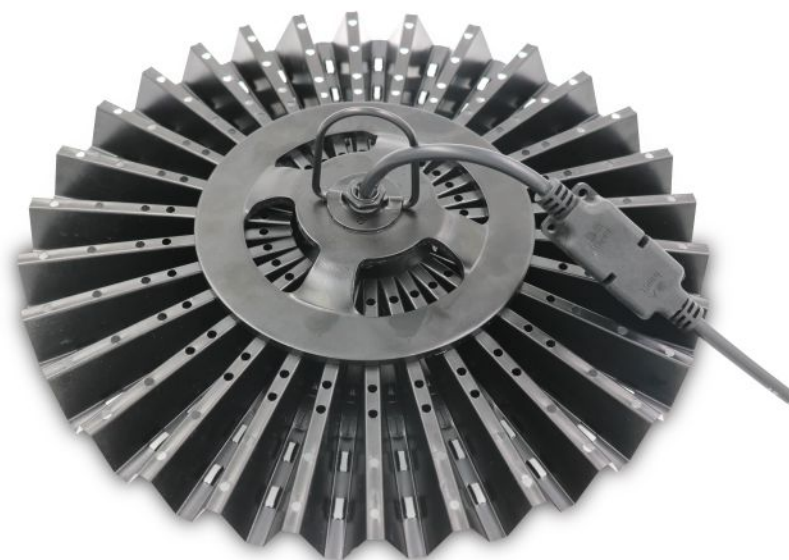
- AC DOB
- Price Competitive



HG01-50B



DOB



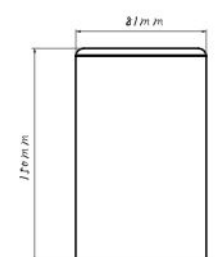
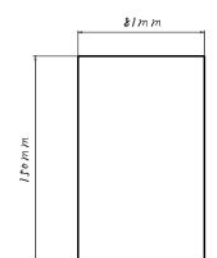
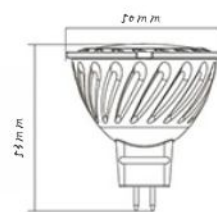
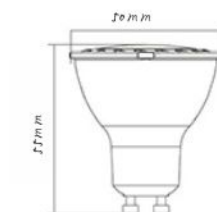
BACK

Switch	15000	RA	>80
Lifespan	20000h	CT	2700-3500K 4000-4500K 6000-6500K

Model	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Light Source	Color Temp	CRI	Surge Protection	PF	Luminous Efficacy (lm/W)	SIZE	Warranty Time
F(G)03-50B	50	AC220-240, 50/60HZ	DOB	2700/6500	70/80	2.5kv	0.9	90	D146	2 years
F(G)03-100B	100		DOB	2700/6500	70/80	2.5kv	0.9	90	D209	2 years

# MR16/GU10

- Thermal Plastic+AL housing
- 2 year warranty
- 2385 SMD



Switch	15000	RA	>80
Lifespan	20000h	CT	2700-3500K 4000-4500K 6000-6500K



GU10G01-5D



MR16G01-5D



S(G)09-5B housing for Mr16



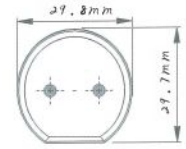
S(G)08-5B housing for Mr16

Model	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Color Temp	CRI	Surge Protection (external)	PF	Luminous Efficacy (lm/W)	SIZE	Warranty Time
GU10G01-5D	5	AC110-240, 50/60HZ	2700/6500	70/80	2.5kv	0.9	80	55*50	2 years
MR16G01-5D	5		2700/6500	70/80	2.5kv	0.9	80	53*50	2 years
S(G)09-5B	Housing for Mr16							150*81	
S(G)08-5B								150*81	



# TUBE LIGHT

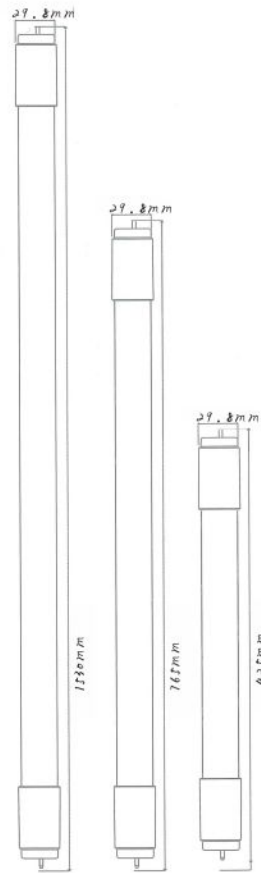
- T5/T8, Plastic/Tube in Tube, Integrated/Replacement
- 2 year warranty



Integrated  
T512G02-18D



Tube in Tube  
T812G03-18D



Switch 15000	RA >80
Lifespan 20000h	CT 2700-3500K 4000-4500K 6000-6500K

Model	Housing	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Color Temp	CRI	Lumen(lm)	SIZE(mm)	Warranty Time
T512G04-18D	Integrated	18	AC110-240, 50/60HZ	2700/6500	70/80	1800	1530	2 years
T506G04-9D		9		2700/6500	70/80	900	765	2 years
T503G04-D		5		2700/6500	70/80	500	425	2 years

Model	Housing	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Color Temp	CRI	Lumen(lm)	SIZE(mm)	Warranty Time
T812G03-18D	Pipe-in-pipe	18	AC110-240, 50/60HZ	2700/6500	70/80	1800	1600	2 years

# PANEL LIGHT

12mm

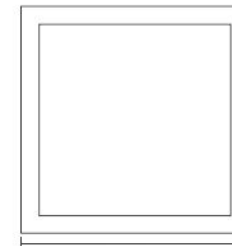
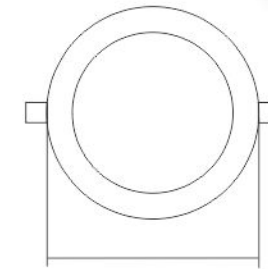
12mm



P(G)01-9D



P(G)02-15D



P(G)04-15D



P(G)03-12D

Switch 15000	RA >80
Lifespan 20000h	CT 2700-3500K 4000-4500K 6000-6500K

Model	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Color Temp	CRI	Lumen	Quantity/ Carton	Carton Size	Warranty Time
PG01-3D	3	AC85-264, 50/60HZ	2700/6500	70/80	150	50	65*31*17	2 years
PG01-6D	6		2700/6500	70/80	300	50	65*31*17	2 years
PG01-9D	9		2700/6500	70/80	540	50	65*31*17	2 years
PG01-12D	12		2700/6500	70/80	760	50	92*31*23.5	2 years
PG01-15D	15		2700/6500	70/80	1050	30	92*31*23.5	2 years
PG01-18D	18		2700/6500	70/80	1440	30	92*31*23.5	2 years

Model	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Color Temp	CRI	Lumen	Quantity/ Carton	Carton Size	Warranty Time
PG03-3D	3	AC85-264, 50/60HZ	2700/6500	70/80	150	50	65*48*14	2 years
PG03-6D	6		2700/6500	70/80	300	50	65*48*14	2 years
PG03-12D	12		2700/6500	70/80	780	50	92*48*19.5	2 years
PG03-18D	18		2700/6500	70/80	1440	30	92*48*19.5	2 years

## PANEL LIGHT

- PC cover
- Driver chip+SMD
- 2 year warranty



PG06-6B



PG05-6B



PG08-24B



PG07-12B

Switch	RA
15000	>80
Lifespan	CT
20000h	2700-3500K 4000-4500K 6000-6500K

Model	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Color Temp	CRI	Lumen	Carton Size	Quantity/ Carton	Warranty Time
PG06-6D	6	AC85-264, 50/60HZ	2700/6500	70/80	210	42*30*24	40	2 years
PG06-9D	9		2700/6500	70/80	360	42*37*32	40	2 years
PG06-16D	16		2700/6500	70/80	800	63*47*22	30	2 years
PG06-24D	24		2700/6500	70/80	1440	57*52*22	20	2 years

Model	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Color Temp	CRI	Lumen	Carton Size	Quantity/ Carton	Warranty Time
PG07-12B	12	AC85-264, 50/60HZ	2700/6500	70/80	840	61.5*19.5*42.5	50	2 years
PG07-18B	18		2700/6500	70/80	1260	72*19.5*50.5	50	2 years
PG07-24B	24		2700/6500	70/80	1680	62.5*19.5*35.5	20	2 years

Model	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Color Temp	CRI	Lumen	Carton Size	Quantity/ Carton	Warranty Time
PG08-24B	24	AC85-264, 50/60HZ	2700/6500	70/80	1680	43*37.5*23.3	20	2 years
PG08-36B	36		2700/6500	70/80	2520	51*37.5*27.5	20	2 years
PG08-48B	48		2700/6500	70/80	3360	63*37.5*33	20	2 years

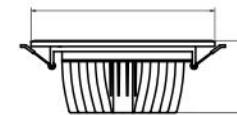
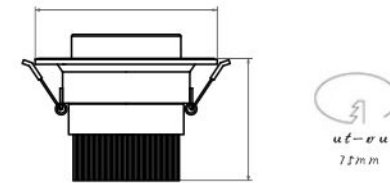
## DOWN LIGHT



D3(G)02-5B



D3(G)01-5B



Switch	RA
15000	>80
Lifespan	CT
20000h	2700-3500K 4000-4500K 6000-6500K

Model	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Color Temp	CRI	Lumen	Carton Size	Quantity/ Carton	Warranty Time
D3(G)02-5B	5	AC85-264, 50/60HZ	2700/6500	70/80	350	42*42*25	32	2 years
D3(G)02-10B	10		2700/6500	70/80	700	50*38*27	24	2 years
D3(G)02-15B	15		2700/6500	70/80	1050	45*45*29	18	2 years

Model	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Color Temp	CRI	Lumen	Carton Size	Quantity/ Carton	Warranty Time
D3(G)01-5B	5	AC85-264, 50/60HZ	2700/6500	70/80	350	42*42*23	48	2 years
D4(G)01-10B	12		2700/6500	70/80	840	50*50*33	36	2 years
D5(G)01-15B	15		2700/6500	70/80	1050	57*39*33	24	2 years

## DOWN LIGHT

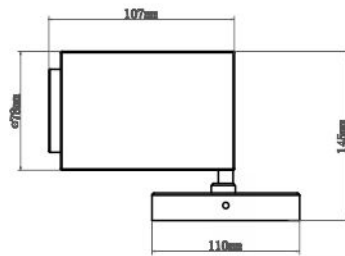
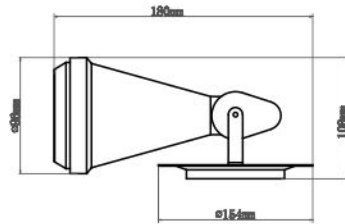
- Aluminum housing
- IC LED or driver chip+HV COB
- Adjustable angle



S(G)05-20B



S(G)02-15B



Switch 15000	RA >80
Lifespan 20000h	CT 2700-3500K 4000-4500K 5000-6500K

Model	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Color Temp	CRI	Lumen	Carton Size	Quantity/ Carton	Warranty Time
S(G)05-20B	20	AC85-264, 50/60HZ	2700/6500	70/80	1400	59*51*28	18	2 years
S(G)05-35B	35		2700/6500	70/80	2450	57*46*34	12	2 years
Model	Lamp Power(W)	Input Voltage(V)/ Frequency (Hz)	Color Temp	CRI	Lumen	Carton Size	Quantity/ Carton	Warranty Time
S(G)02-20B	20	AC85-264, 50/60HZ	2700/6500	70/80	1400	62*62*32	50	2 years
S(G)02-30B	30		2700/6500	70/80	2100	60*48*37	24	2 years
S(G)02-40B	40		2700/6500	70/80	2800	60*50*39	24	2 years

## HORICULTURAL LIGHT

- Aluminum housing
- IC LED or driver chip+HV COB
- Adjustable angle



T812B01C-24C  
Turn on



T812B02A-22C  
Turn on



Item Model	ET812B01-24C	ET812B02-22C
Called way	at one end/double end	at one end/double end
Input Voltage(V)/ Frequency (Hz)	AC85-265V	AC85-265V
Size(mm)	1190mm*Φ28mm	1190mm*Φ28mm
Waterproof rate	Ip44	Ip44
Material	aluminium alloy+PC	aluminium alloy+PC
Source	6 pcsCOB	96 pcs SMD
light ratio (600-699:400-499nm)	R/B=2/1 4/1 8/1	R/B=2/1 4/1 8/1
Power	24W	22W
PCB Material	glass fiber	aluminum substrate
Working temperature	-20~+50°C	-20~+50°C
Usage lifespan	≧ 50000Hours	≧ 50000Hours
Net weight	450g	390g
Gross Weight	700g	540g
Recommended Suspended Height	15-20CM	15-20CM
PPFD	50-85μmol/m /s	50-75μmol/m /s

# HORICULTURAL LIGHT

- Aluminum housing
- IC LED or driver chip+HV COB
- Adjustable angle



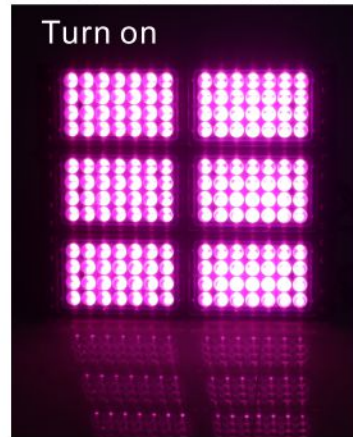
TUB01A-150C

Turn on

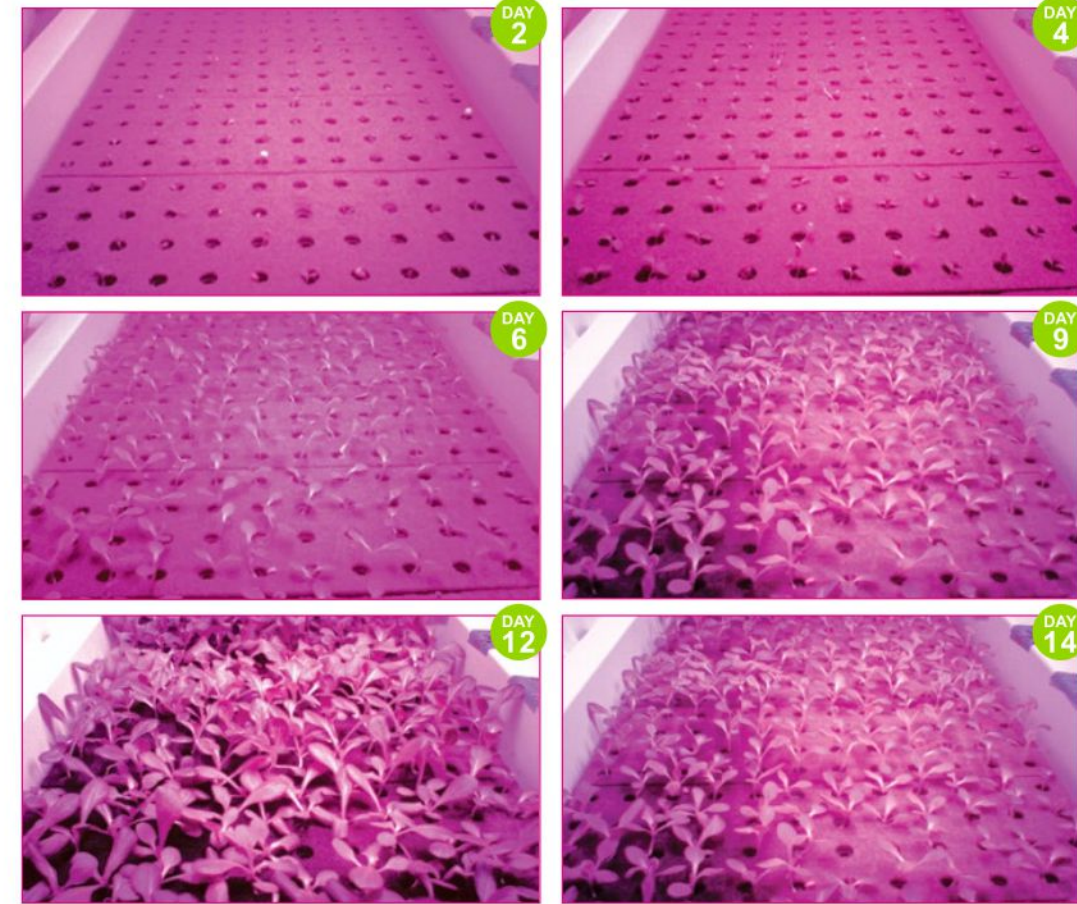


TUB01A-300C

Turn on



Model	TUB01A-150C	TUB01B-150C	TUB01C-150C	TUB01A-300C	TUB01B-300C	TUB01C-300C
Input Voltage	AC85-265V			AC85-265V		
Frequency	50/60Hz			50/60Hz		
Size(mm)	302*198*219mm			356*302*219mm		
Waterproof rate	IP65			IP65		
Source	3030 56*3			3030 56*6		
Power	150W			300W		
Working temperature	-20~+50°C			-20~+50°C		
Beam angle	60°/90°			60°/90°		
Usage lifespan	50000 hours			50000 hours		
Recommended Suspended ight	1-3M			1-3M		
PPFD	60-80 $\mu$ mol/m <sup>2</sup> *s			60-120 $\mu$ mol/m <sup>2</sup> *s		
Net weight	4KG			6.7KG		

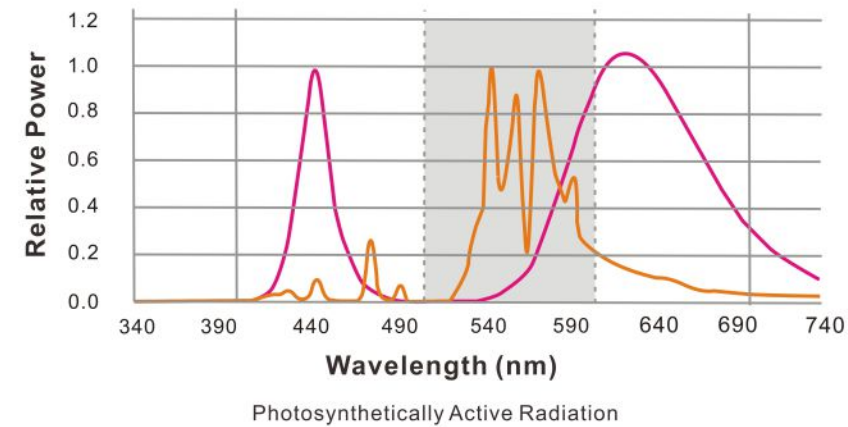


## SPECIAL OUTPUT:

All lights emitted by ICLED Horticultural lights triggers healthy plant response, boosting yield and reducing cost

Hydroponic Grow-house: Tyger River, South Carolina

## HIGH PRESSURE SODIUM 600W vs ICLED HORTICULTURAL 300W Highbay



A: HPS lamp

B: ICLED Horticultural

A: Approximately 100% of ICLED lights output is usable by plants. No wasted energy.  
B: Most HPS lamps output is not efficiently used by plants. Most of energy is wasted.

## HID REDIRECTS INFRARED ENERGY THAT CAUSES:

