STELLON

MF010
DC 12V20W FLOOD LIGHT

We are commiteed to provide high performance,high
quality,high durability product as a reasonable price
that lighting experts wanted,We aim for world best in
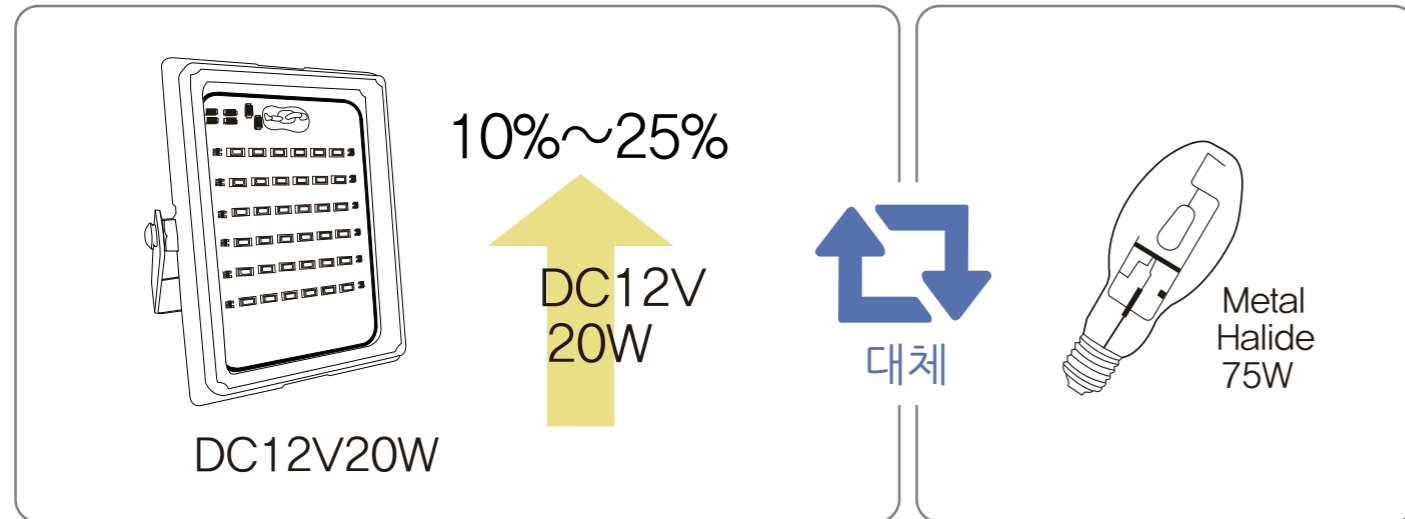outdoorlighting and specific object lighting
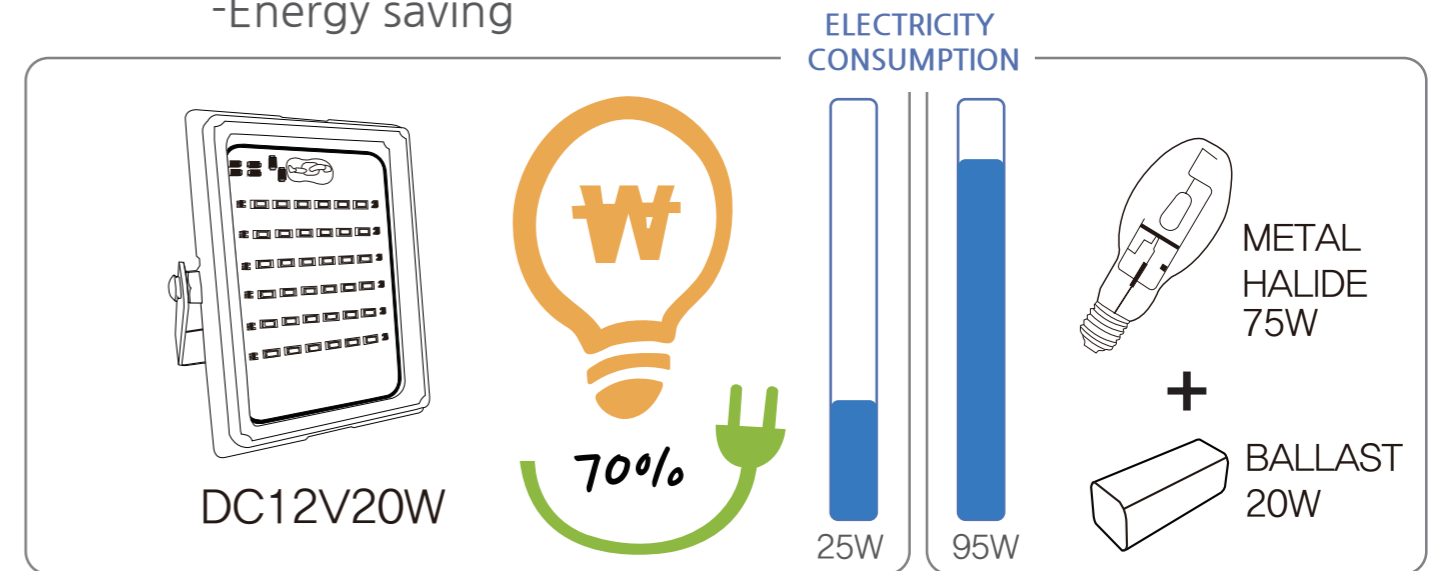
MF010
DC 12V20W
FLOOD LIGHT

01. METAL HALIDE SUBTITUTE

-Possible to replacement with metal halide 75W
-10%~25% brightness up

10%~25%

DC12V
20W

대체

Metal
Halide
75W

DC12V20W

03. SAVING ELECTRICITY COST

-50%~60% electricity cost reduction
-Energy saving

ELECTRICITY
CONSUMPTION

DC12V20W

70%

METAL
HALIDE
75W

+

BALLAST
20W

25W   95W

02. PERFECT WATERPROOF

-IP67
-Related patent
-Moisture proof, micro dust proof, frozen proof

IP-67

WATERPROOF
1M / 5FT

MICRO DUST
PROOF

FROZEN PROOF

IP67 TEST REPORT : http://www.egmtech.kr/?pageid=3&page_id=1380&uid=100&mod=document

04. HIGH DURABILITY, ULTRA LIGHT
& CAMPING LIGHTING

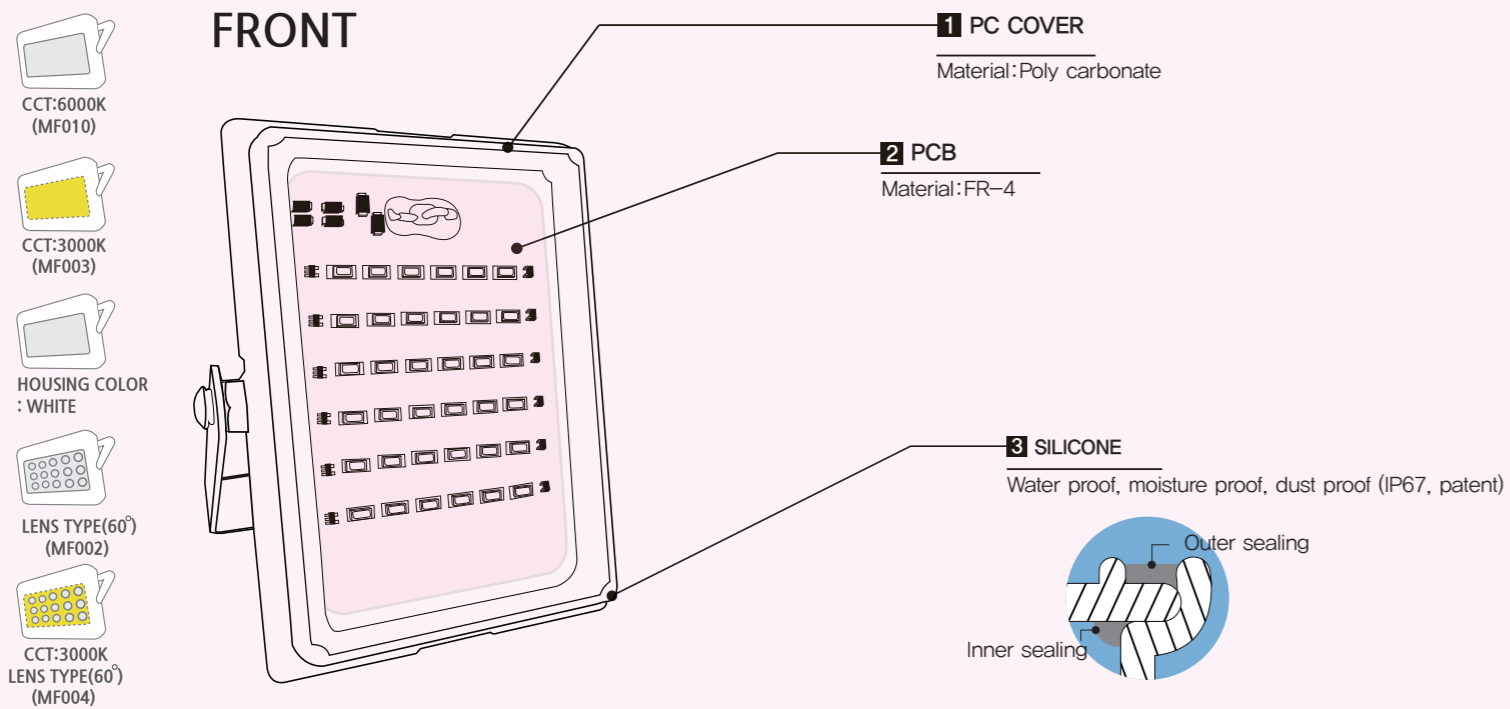-Possible to control the angle
-Camping & fishing

CAMPING

+

weight
400g

+

SHORKPROOF
3M / 10FT

DURABILITY & ELECTRICAL SAFETY TEST VIDEO
: http://www.egmtech.kr/?page_id=1350&uid=17&mod=document

■ Specifications

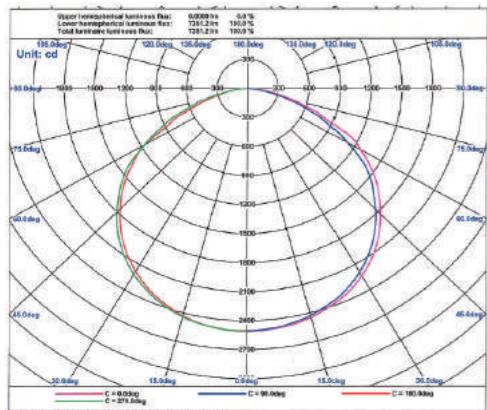| TOTAL FLUX	ILLUMINANCE(1M)	CRI	CCT
1,700(lm)	590(lux)	OVER 60	6000K/3000K

IP LEVEL	WEIGHT	TEMPERATURE	POWER	INPUT VOLTAGE
IP67	0.44 Kg	−20~40℃	20W	DC12V

CCT:6000K (MF010)

CCT:3000K (MF003)

HOUSING COLOR : WHITE

LENS TYPE(60°) (MF002)

CCT:3000K LENS TYPE(60°) (MF004)

FRONT

1 PC COVER

Material：Poly carbonate

2 PCB

Material：FR−4

3 SILICONE

Water proof, moisture proof, dust proof (IP67, patent)

Outer sealing

Inner sealing

■ Light distribution & Cone lux level

Total flux 1700(lm),
Illuminance 590(lux/1m)

Beam angle
120°

590 lux	1.0m
144 lux	2.0m
64.2 lux	3.0m
36.1 lux	4.0m
23.1lux	5.0m
17.1 lux	6.0m
16.0 lux	7.0m
11.8lux	8.0m

BACK
BASIC BRACKET

■ Dimension ※135X97X122.8

97.00

122.80

111.6

135.00

135.00

U bracket **5**

Material : Stainless

6 Fixing bracket hole

15X10mm(holl)

Diameter13.50

20.00

24.00

10.00

6.00

4 Heat sink

Material : Aluminum

OPTION
Using Tilting bracket

4 Heat sink

Material : Aluminum

■ Dimension ※135X97X122.8

135.00

48.00

135.00

97.00

135.00

Tilting bracket **5**

Material : Stainless

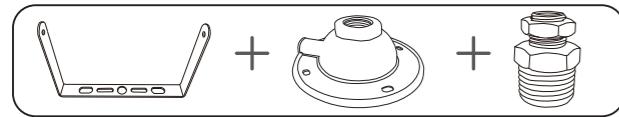**6** Fixing bracket hole

15X10mm(holl)

74.00

37.00

22.00

11.00

6.00

11.00

10.50
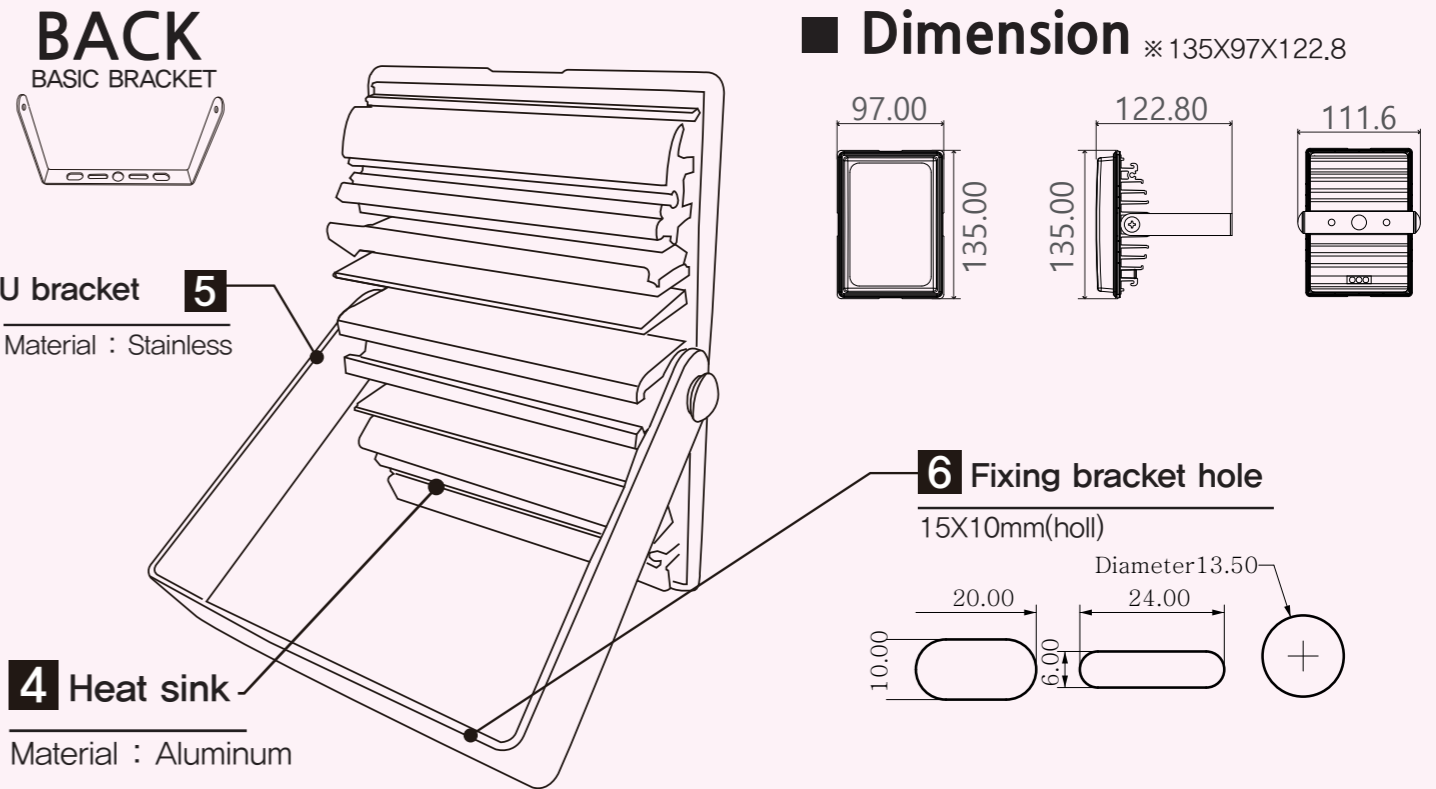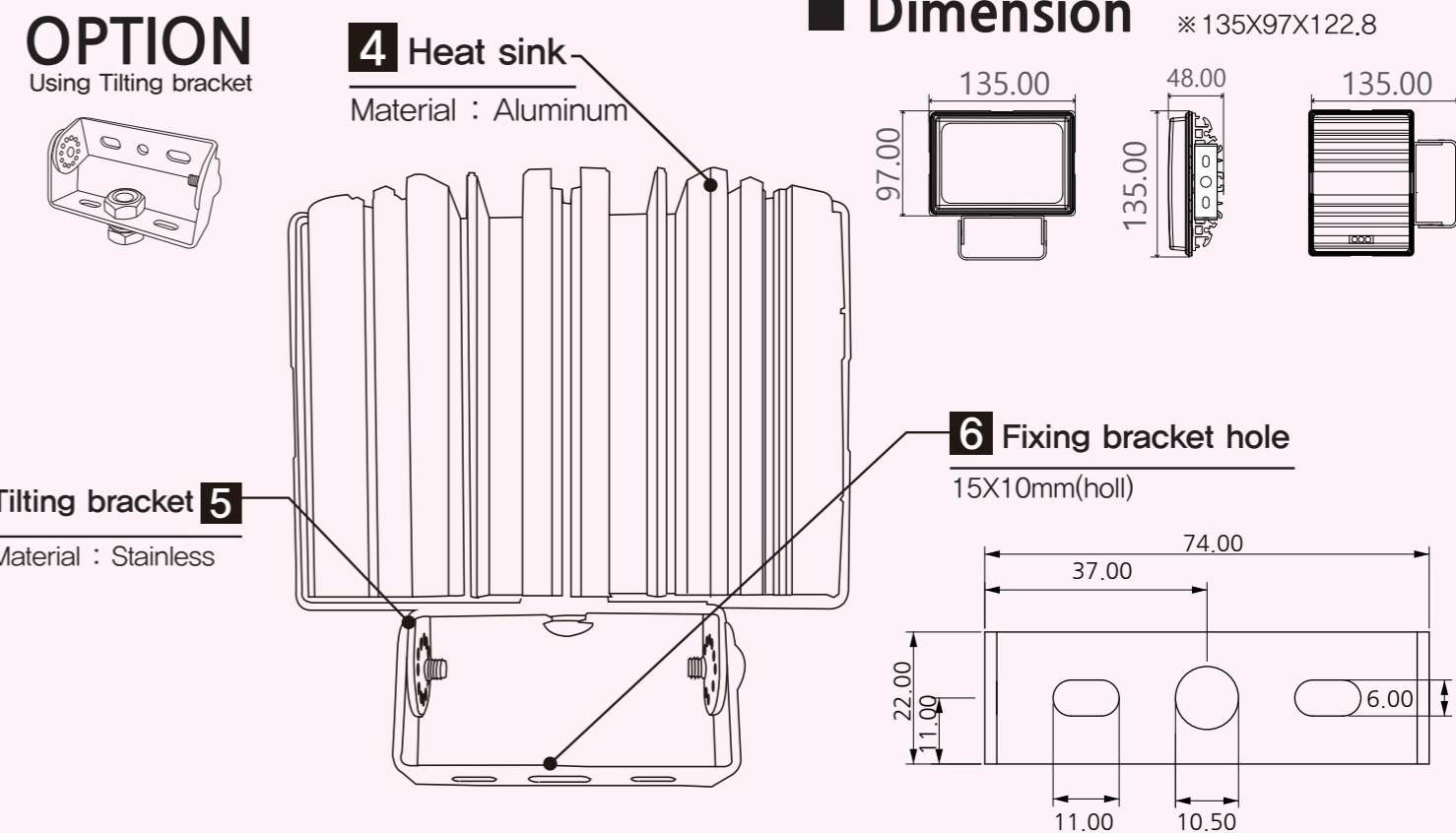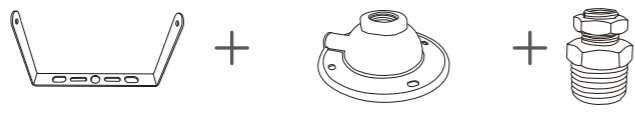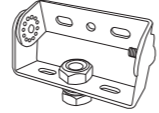
1.Direct mounting installation	Composition	A.U bracket(1EA)+ Flange(1EA) + Connect socket set 2(1EA)	B.Tilting bracket
	Image		
	Order code	Basic component + ACC012 + ACC021	ACC035

2.Camping light installation	Composition	A. Cradle(1ea)+DC adapter(1ea)+remote controller (1ea)
	Image	
	Order code	ACC101 + ACC102 + ACC103

Setting up of the detailed way

Setting up of the detailed way

A.Basic component type

① Fix flange on the wall ② Lock the socket with flange

③ Connect the socket with bracket hole
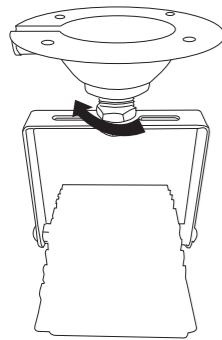
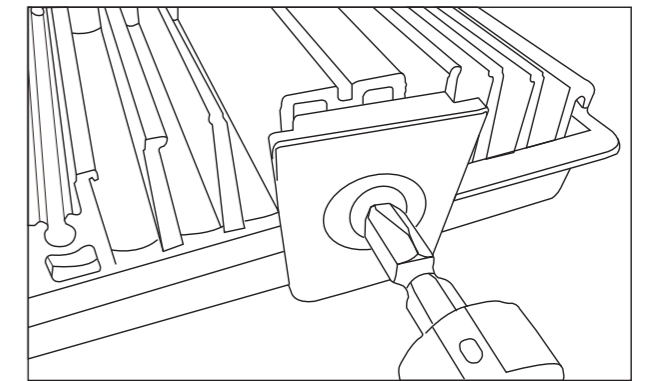### B.Tilting bracket type

① Using screw on tilting bracket hole
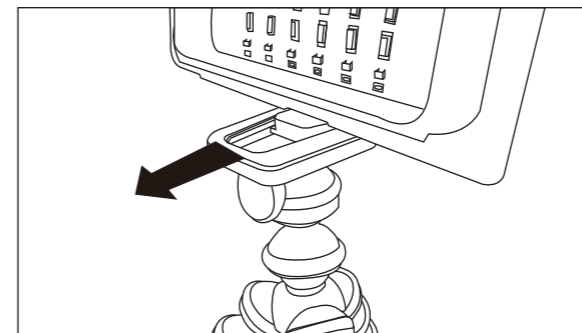

A. Camping light type

① Push the cradle button and separate fixing board from the cradle.

PUSH

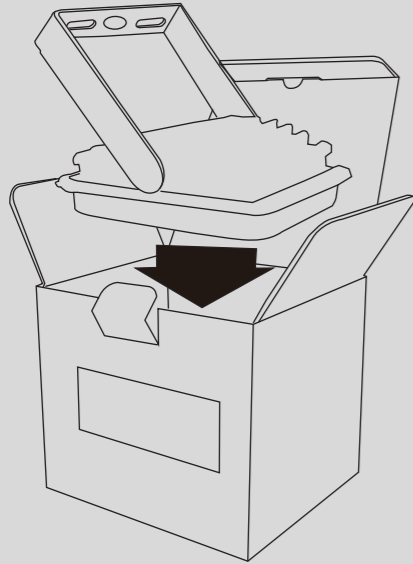② Lock the lighting with fixing board. (Please tighten a screw for 80%)
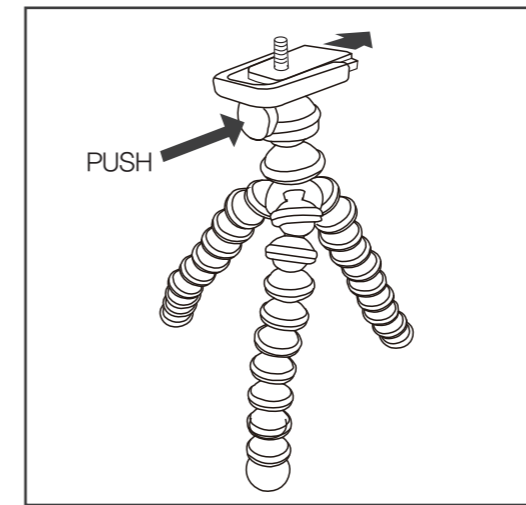
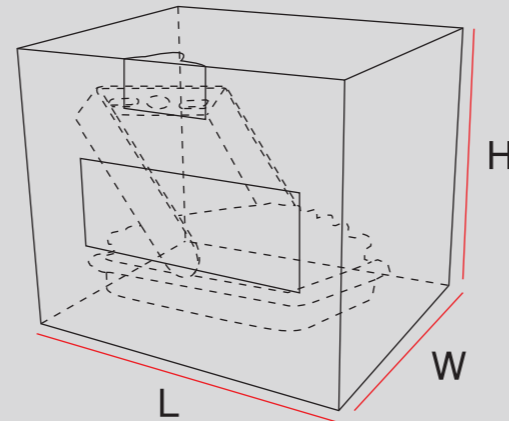③ Combine the fixing board with cradle.

Packing

Test result

1.Packing(Inbox)

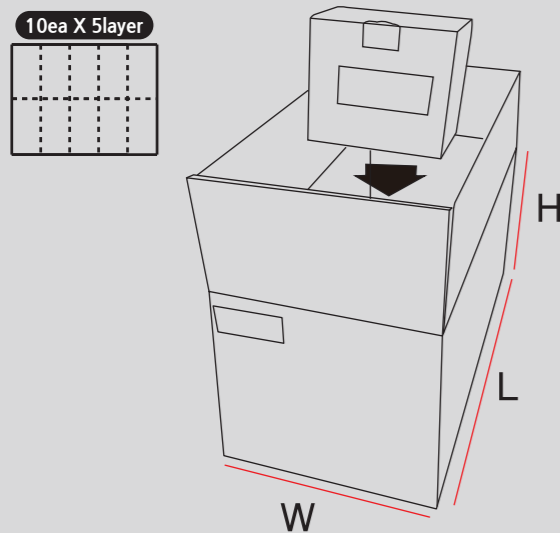● Packing (In box)

2.Inbox size

● BOX SIZE：150(l)X125(w)X125(h)

3.Out box size

● Box size ： 650(l)X310(w)X280(h)
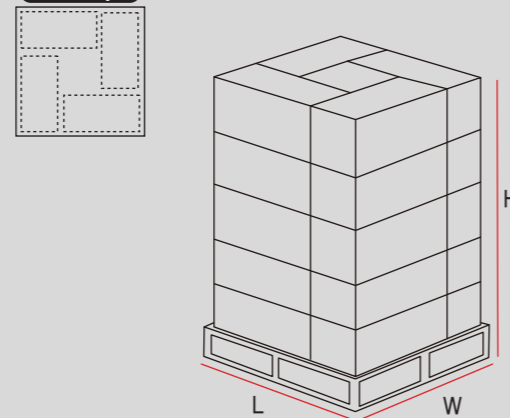● Box material ： Corrugated fiber

`10ea X 5layer`

4. Pallete loading

● Pallete size：1100(l)X1100(w)X2220(h)
● Palette material ： Plastic

`4ea X 5layer`

	TEST	TEST condition	Sample qty / Defect qty	Remark
1	Water proof test	▱. Check the normal operating after put in water tank For 1 week(9hr on / 15hr off per 1 cycle).	5 / 0	
		▱. Check the moisture permeation after waterproof test and disassemble inside.	5 / 0	
2	Aging test	▱. Check the product condition after aging for 120hours under the rated voltage and room temperature.	5 / 0	
		▱. Check the illuminance value fluctuation range after 4hours aging, and 120 hours aging.	5 / 0	
		▱ Check the discolor, defect of PCB, PC Cover and any other part.	5 / 0	
3	Applied electric test under high/low temperature	▱. Check the normal operating after test under 60℃ and -50℃ per 120hours.	5 / 0	
4	EMI test	▱. Check the pass of KC standard with conduction and radiation.	5 / 0	
5	Surge test	▱. Check the normal operating under the 5KV, 10KV electric current.	5 / 0	
6	Drop test	▱. Check the crack or any other damage after drop from 2M height.	5 / 0	
7	Input rated voltage test	▱. 220V product : Check the normal operating on 210V ~240V (sustainment time : 2hours)	5 / 0	
8	Temporary over voltage test	▱. Check the normal operating under over 30% of rated voltage within 3 sec.	5 / 0	
9	Over voltage test	▱. Check the normal operating under over 20% of rated voltage.(20 hours lasts under AC290V)	5 / 0	
10	Converter inside	▱. Check the converter inside temperature after 5 hours aging under room temperature, and record it.(MAX temperature)	5 / 0	
11	Component temperature	▱. Check the most hottest part of temperature, and record it.(measure it after 3 hours power on)	5 / 0	

Notice for using products
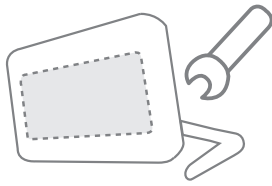
-Do not remodel or
disassemble
the product arbitrarily.
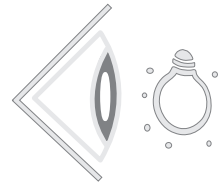(You can not get A/S
when arbitrarily)

ELB

-Please be sure to
install in where
circuit breaker in installed.
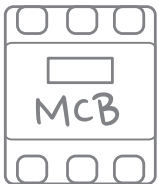
OFF

-Please be sure to
install at power off.

-Do not touch the product
during the light
on for a long time.

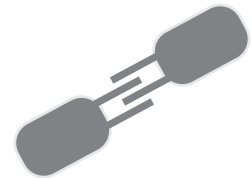-Please do not look light
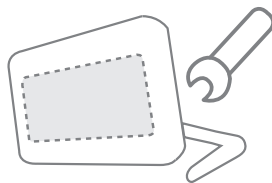directly when light on.

Checklist for product problem

MCB

-If LED doesn't light on,
please check the power
circuit breaker.

ON

-Make sure the power
switch is set to ON.

-If the product does not light up
after power on, please check
the power cable contact status.

-When the product have problem,
do not disassemble the product arbitrarily,
and ask to store which you bought.
(You can not get A/S
when arbitrarily disassemble)

SURGE

If product has trouble caused
by natural disaster like thunderbolt
or surge, you can not get free A/S.
(It need cost for A/S)