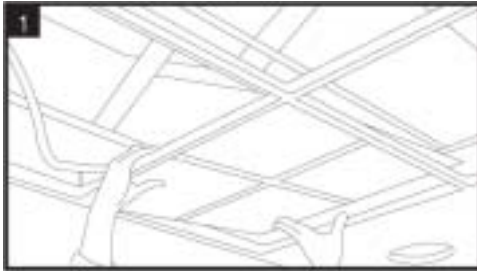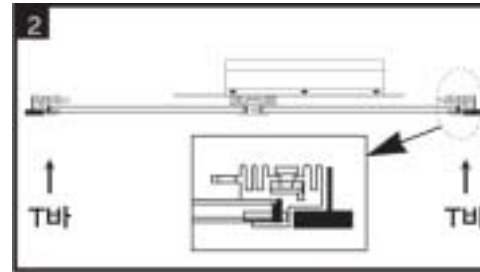# Installation method of
IK (Installation Kit) series

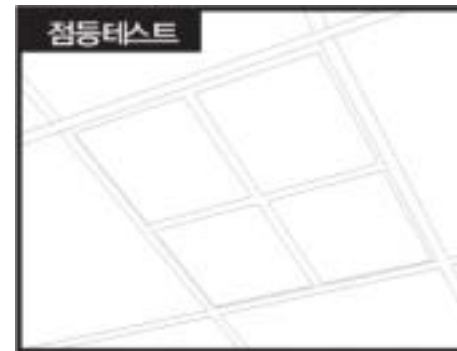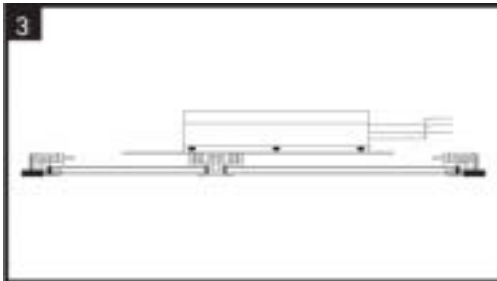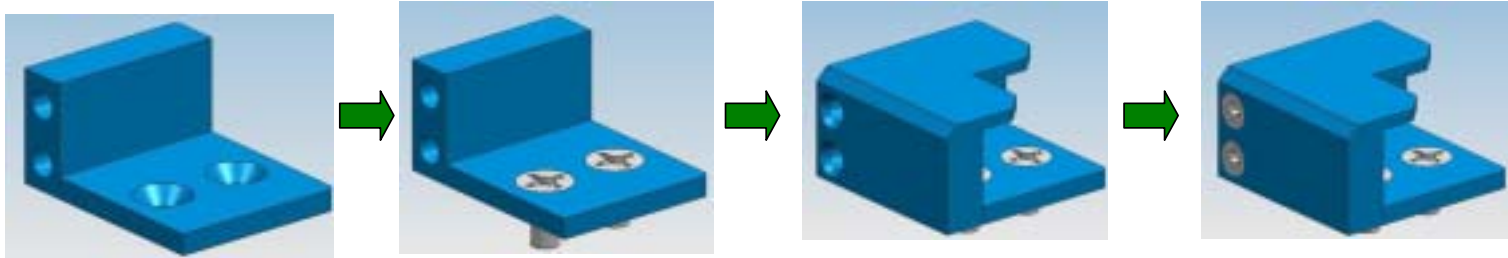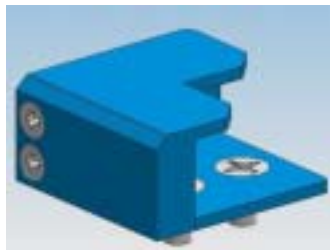# IK01-Drop Celling

①T-Bar에 제품을 얹는다.

② T-Bar에 얹혀진 상태를 확인한다.

④점등테스트

IK02-Point Bracket   32*32*18mm (내부 높이 : 13mm)
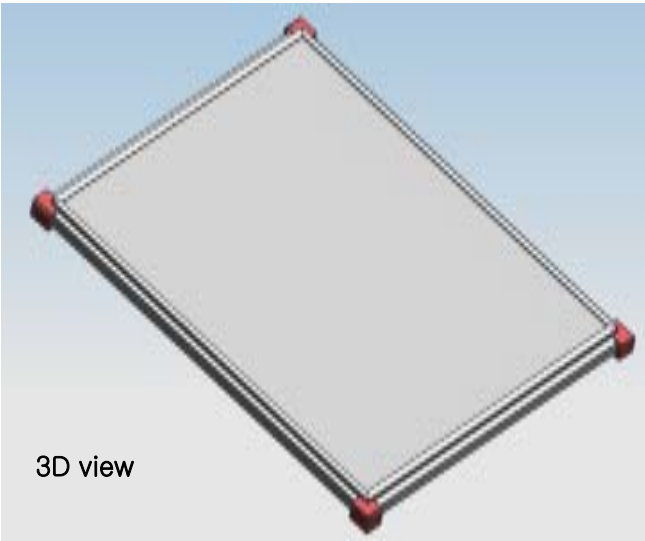
1. IK02-Assembly
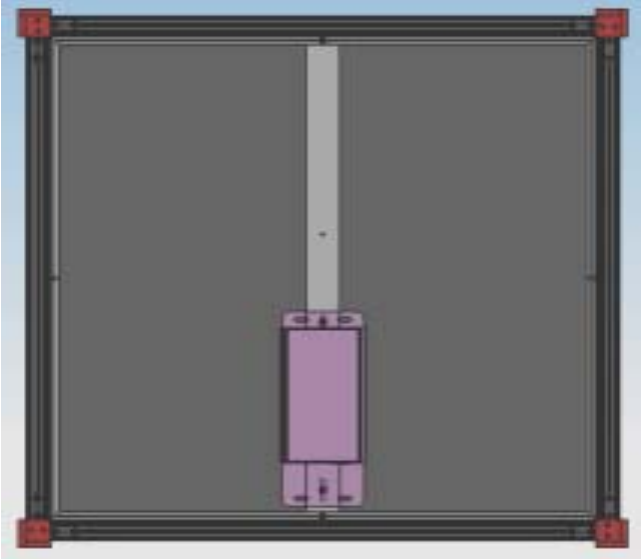

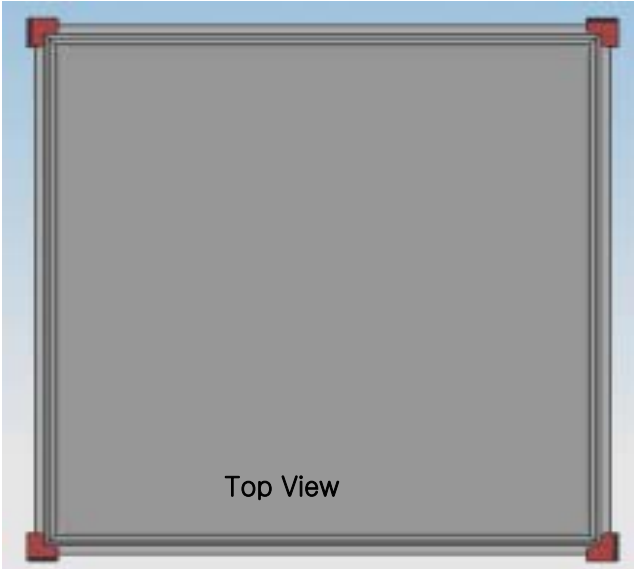## 2. IK02-View

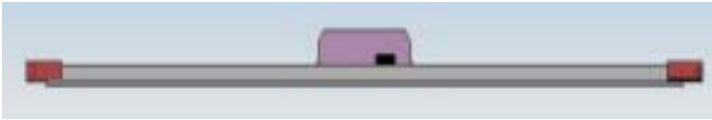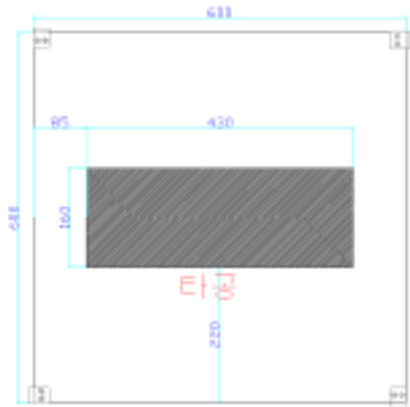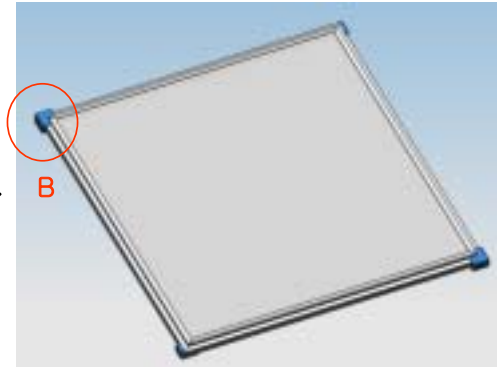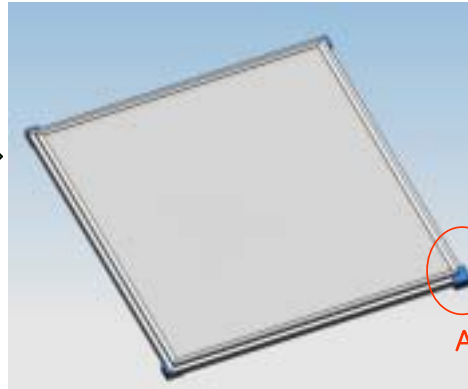| 3D view | Top View | Front View | Bottom View |

IK02-Point Bracket-Application

3D view

Bottom View

Top View

Front View

The process of IK02-Point Bracket Assembling
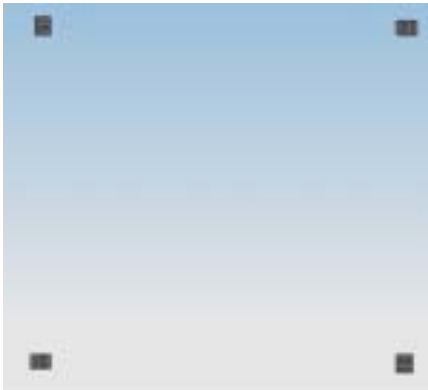
① Make the four corners of the FLL outline on the ceiling with size of 600x600mm.
Make an opening in the ceiling to fit the PSU with size of 160x430mm.
Fix the bottom part of IK02 to the marked point on the ceiling.

② Assemble ONE IK02 top part bracket to the bottom bracket on the ceiling and insert the product as shown above A.

③ Install the diagonally opposite bracket as shown above B

④ Repeat the same process for the corner C
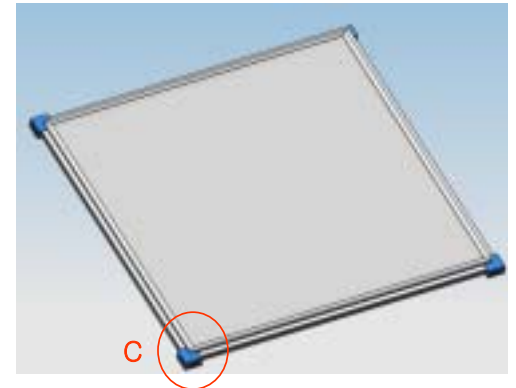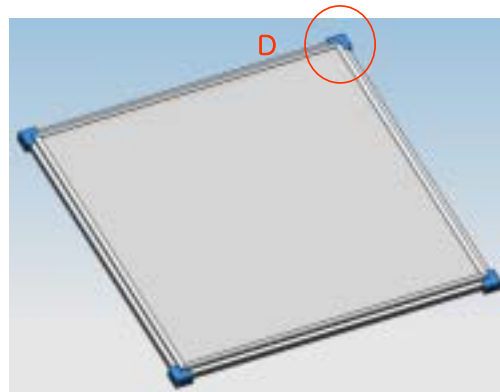
⑤ Repeat the same process for the corner D

IK03-Hole & Screw, cap-Application

1. IK03-Assembly

4Φ* 4mm

3.9*46mm

cap
External Diameter : Φ8*5mm

Φ8*50mm

2. View of Product Application
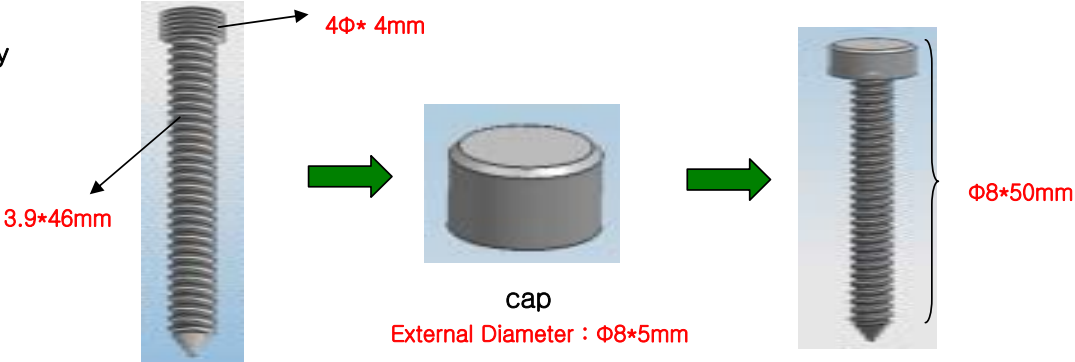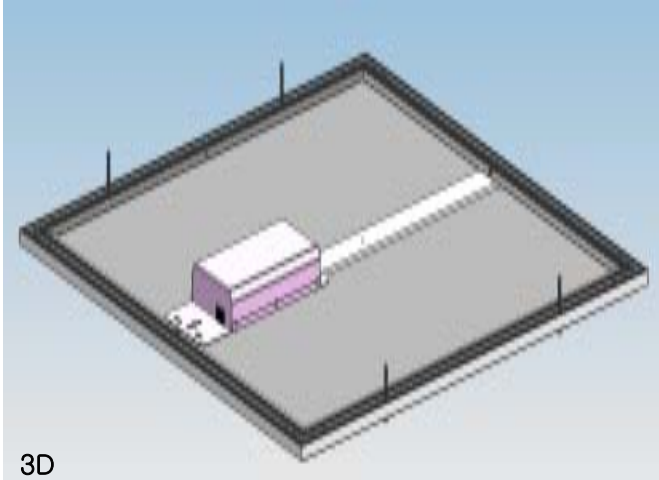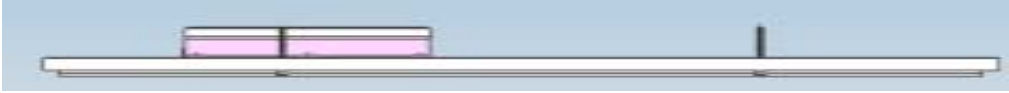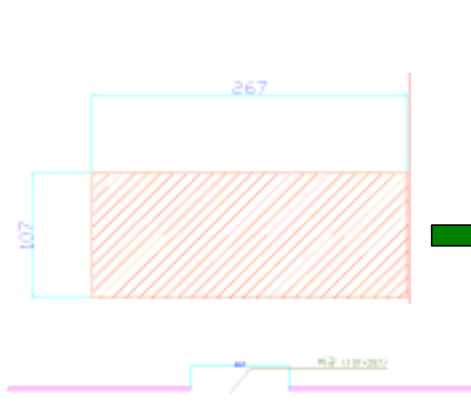
3D

Top

Front

The Procedure of Assembling R13TD and IK03-Hole & Screw, cap

① Make an opening on the ceiling like the size shown above.

② Make an hole in the center of frame which is 306.5mm length. The hole is located about 153mm away from the end with 4.2Φ in size.
③ Put a mark on the ceiling where the hole of frame is matching to drive IK03-screw.
④ In advance, make an hole to the marked point on the ceiling with the size of 2.5Φ~3Φ to drill easily.

75mm

5Φ

2Φ

30mm

Tip Standard : B34 0×2×30×75

⑤ Like drawing, put IK03-screw to the drilled hole on the product and drive screw by using smoothly the electric screwdriver in torque 1. The tip standard of electric screwdriver is B34 0x2x30x75.(It is recommended to use standard one to avoid the problem caused easily by small screw tip.)
The size of head part of tip is only 5Φ so please be careful not to be inserted inside the hole.

IK03-cap

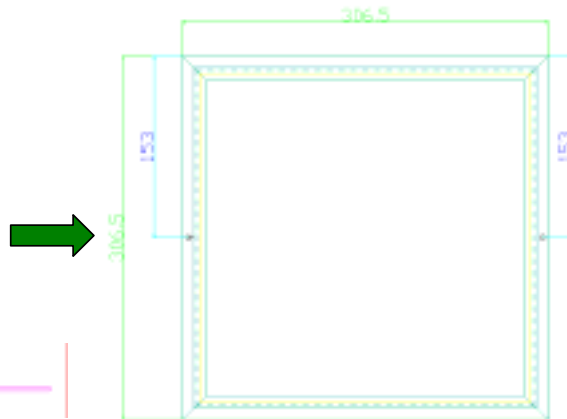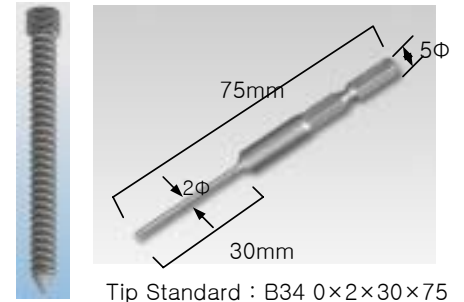⑥ After driving all of IK03-screws, complete the work with **IK03-cap.**

The Procedure of assembling R13TE and IK03-Hole & Screw, cap

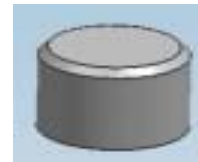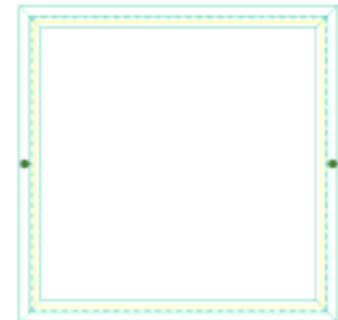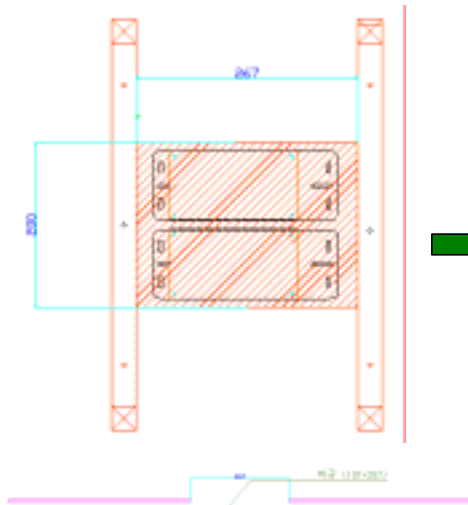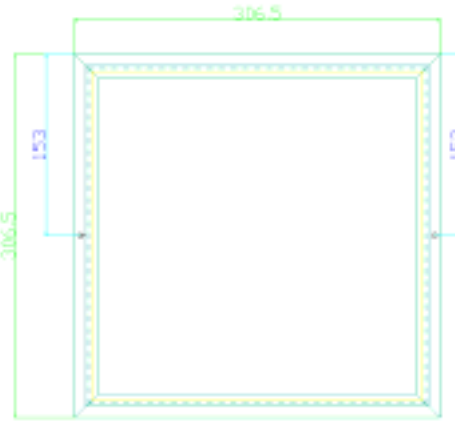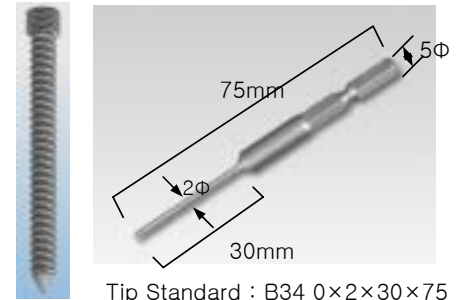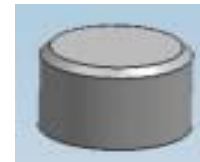

① Make an opening on the ceiling like the size shown above.

② Make an hole in the center of frame which is 306.5mm length. The hole is located about 153mm away from the end with 4.2Φ in size.
③ Put a mark on the ceiling where the hole of frame is matching to drive IK03-screw
④ In advance, make an hole to the marked point on the ceiling with the size of 2.5Φ~3Φ to drill easily.
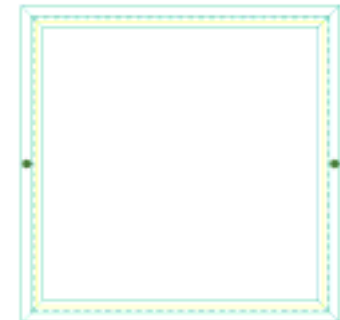

Tip Standard : B34 0×2×30×75

⑤ Like drawing, put IK03-screw to the drilled hole on the product and drive screw by using smoothly the electric screwdriver in torque 1. The tip standard of electric screwdriver is B34 0x2x30x75.(It is recommended to use standard one to avoid the problem caused easily by small screw tip.)
The size of head part of tip is only 5Φ so please be careful not to be inserted inside the hole.
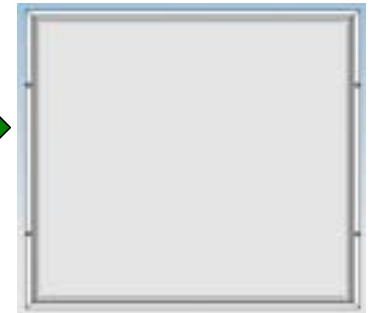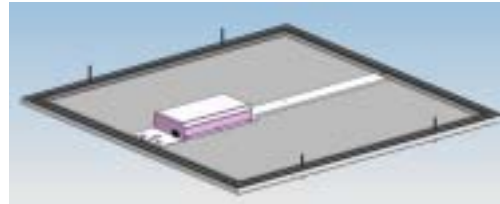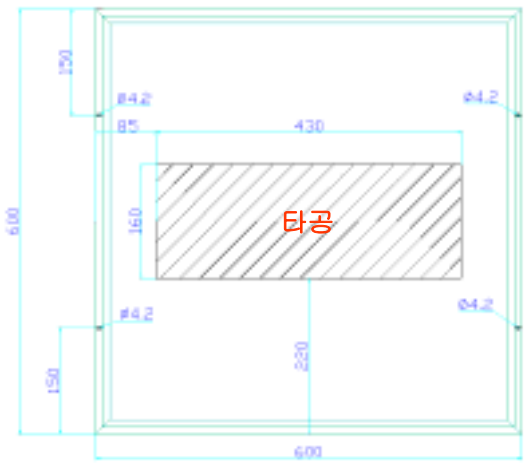

IK03-cap

⑥ After driving all of IK03-screws, complete the work with IK03-cap.

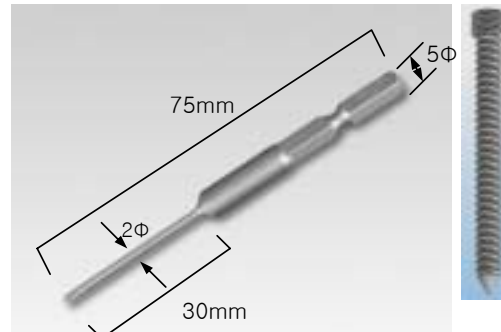# The Procedure of Assembling IK03-Hole & Screw, cap

타공

⑤ 그림과 같이 IK03-screw를 이용하여
제품에 hole이 뚫어져 있는 부분에 천천히
고정 시킨다.
<주의>
전동드라이버 torque : 1 또는 수동 드라이버사용
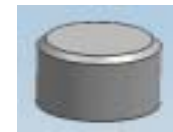Tip규격 : B34 0×2×30×75

⑥그림과 같이 IK03-screw 위에
IK03-cap으로 마무리 한다.

① 천장에 160*430mm(공차+10mm) 사이즈로 타공을 한다.
② 제품에 4.2Φ로 그림과 같은 위치에 hole을 뚫는다.
③ 제품에 hole을 뚫은 그 위치에 IK03-screw를 박기 위해
   표시를 한다.
④ IK03-screw를 쉽게 박기 위해서 위해 표시한 부분에
   2.5Φ~3Φ drill로 천장에 구멍을 낸다.
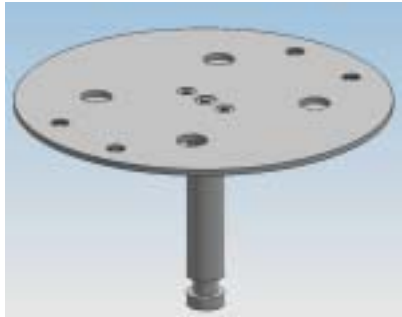
5Φ

75mm

2Φ

30mm

IK03-cap

Tip규격 : B34 0×2×30×75

IK03-screw

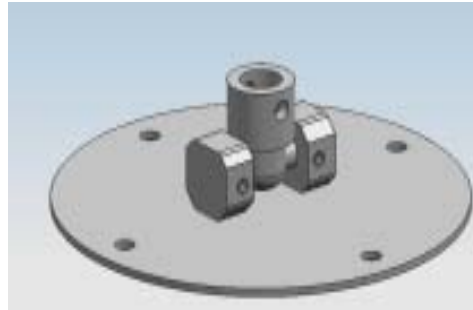# IK04-Moving Bracket 120Φ*90.5mm

1. IK04-Assembly

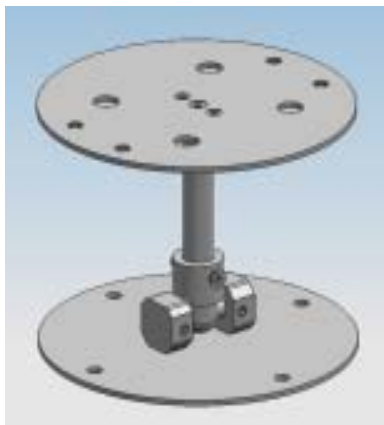IK04-top(Installation parts to the ceiling)

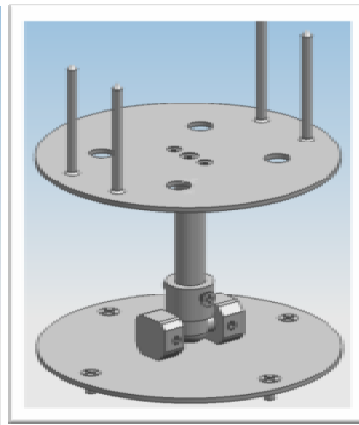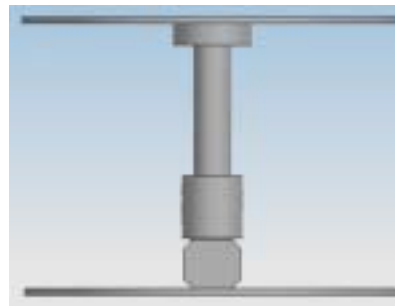IK04-Bottom(Installation parts to the light)
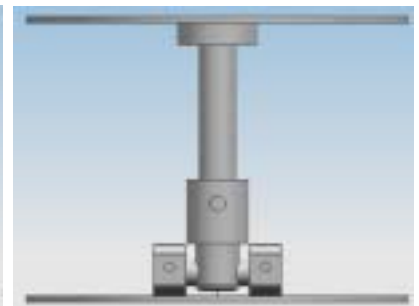
Assembled feature

2. IK04-View

3D view-Before screwing
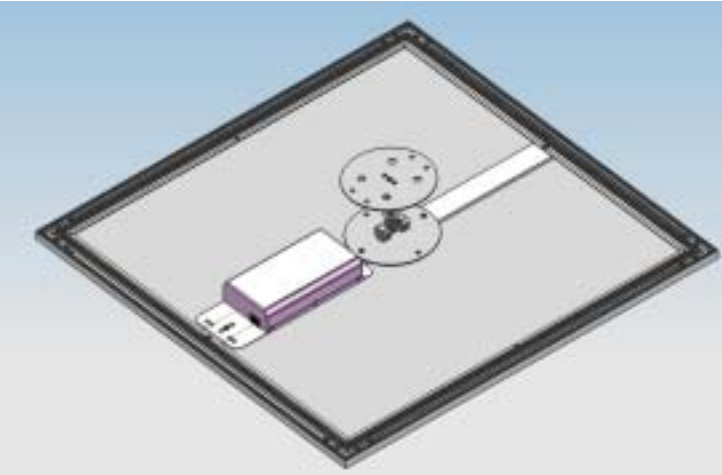
3D view-After screwing

Right View
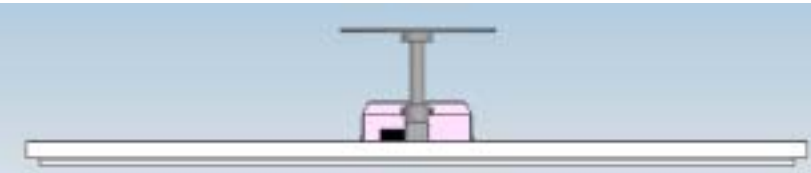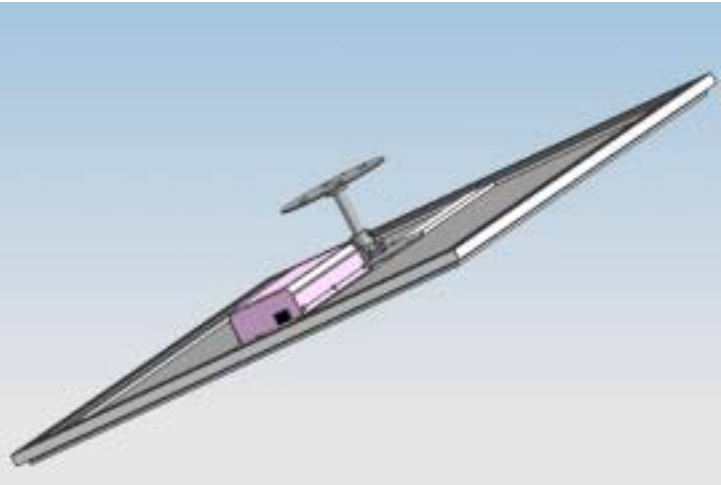
Front View

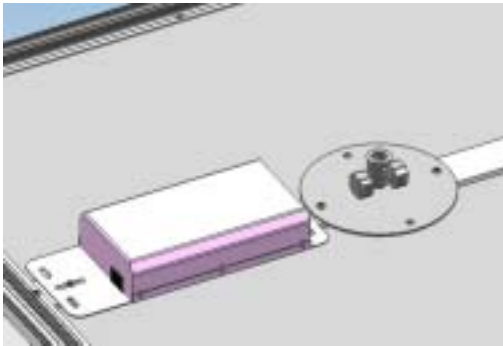# IK04-Moving Bracket

Product Application -Bottom view
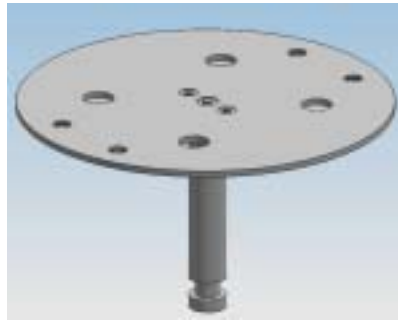

Product Application-Front View
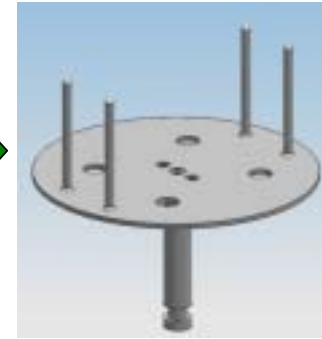

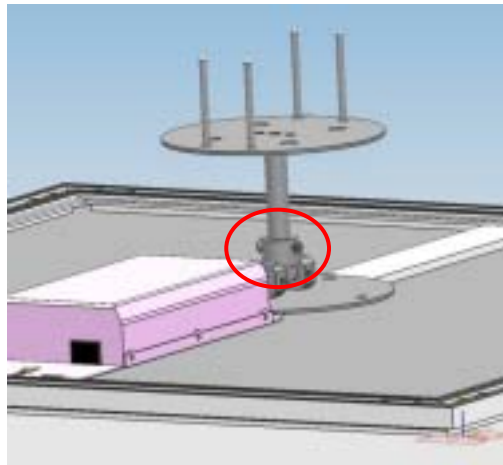Product Application-3D view

IK04-Moving Bracket 제품 ass'y 순서

Fasten IK04-Bottom to the light module.
<Caution> The direction of screwing part for bottom and top of IK04 should be placed vertically that of PSU.
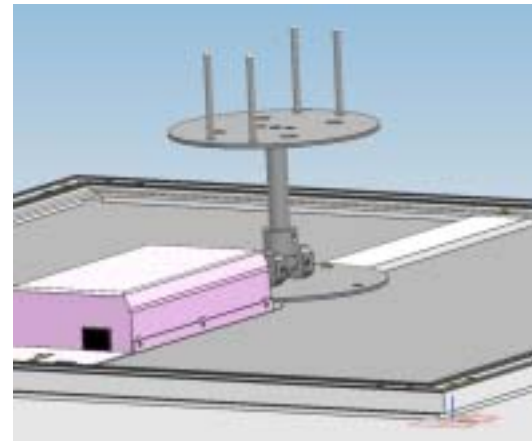Should be installed like picture!

Positioning top of IK04 on the ceiling where you are willing to install the light module.
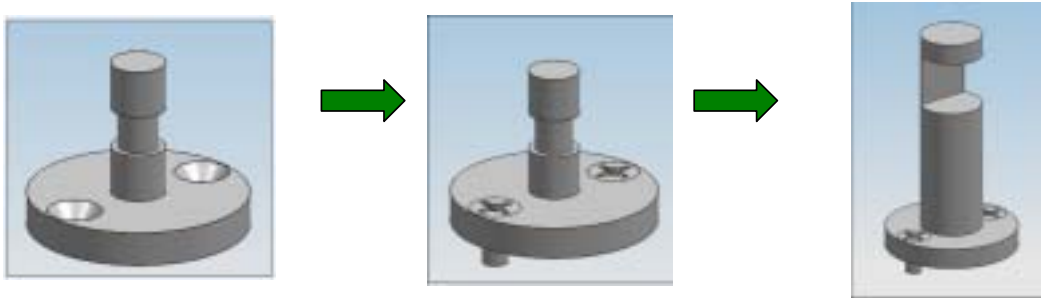

Fix top of IK04 by straight screw
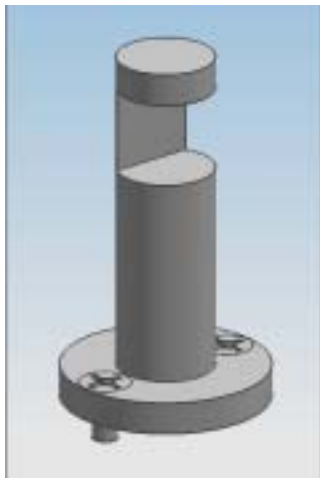

Tighten the M5 screw at both side.

Insert bottom of IK04 on the light module to the top of IK04 on the ceiling.

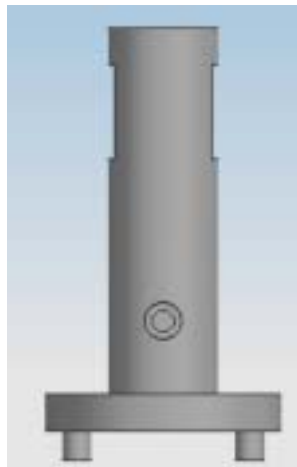# IK06-Super Bracket 32Φ*55mm
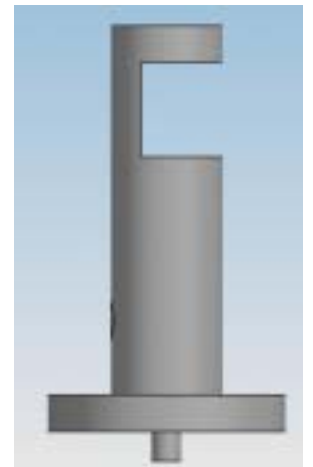
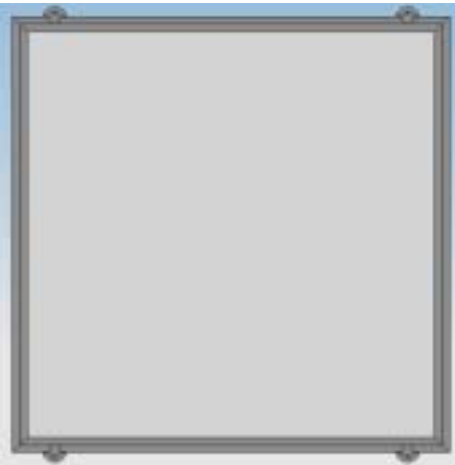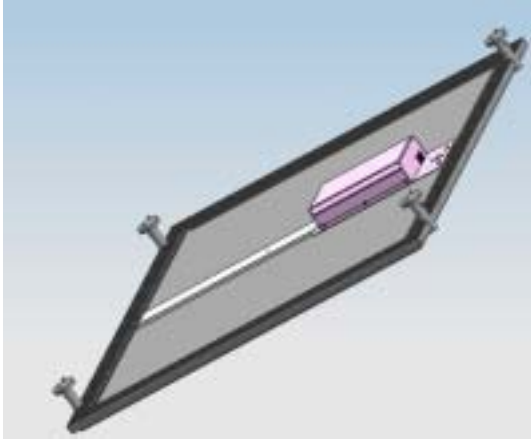## 1. IK06-Assembly

2. IK06-View

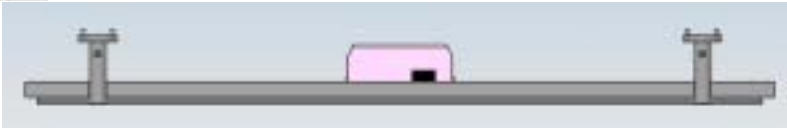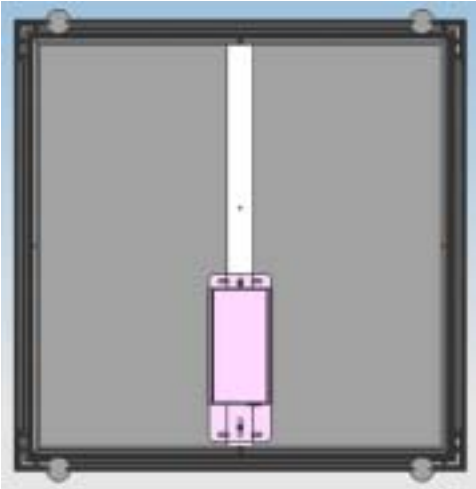| 3D view | Back | Front | Right |

IK06-Super Bracket-Application
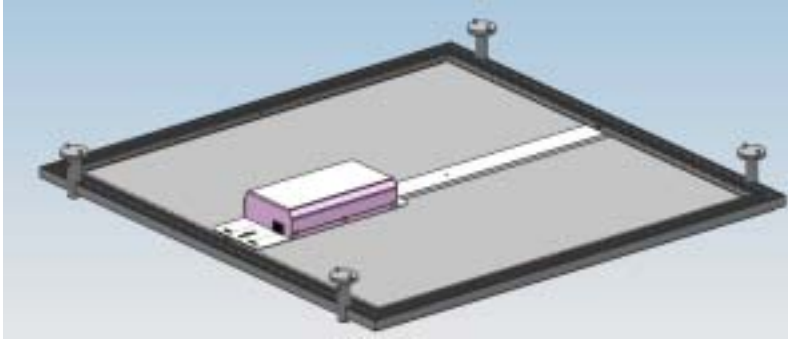
Product Application-Top View

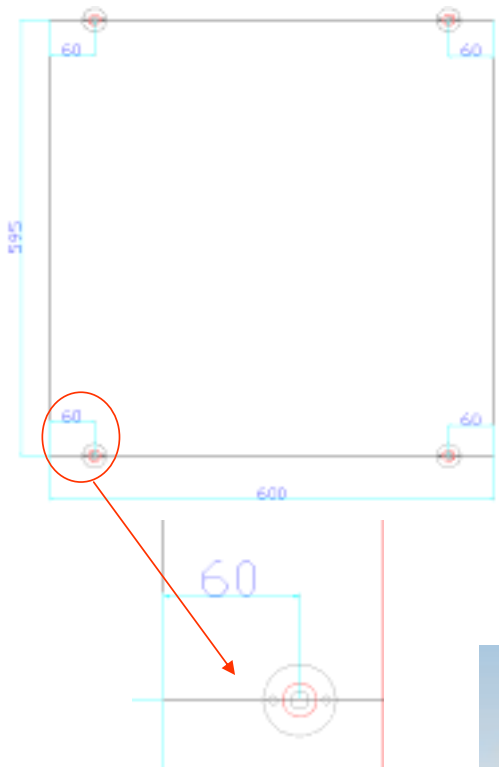Product Application-3D View

Product Application-Front View

Product Application-Bottom View

Product Application-3D View
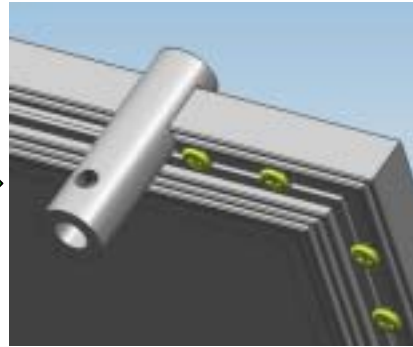
The Procedure of Assembling IK06-Super Bracket

② Insert top part of IK06 to the product.

③ Assemble the bottom part of IK06 from the ceiling to the top part of IK06.
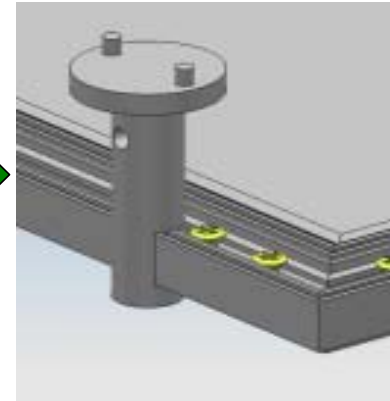
① Fasten the bottom part of IK06 to the ceiling as shown above drawing by using the straight screw .
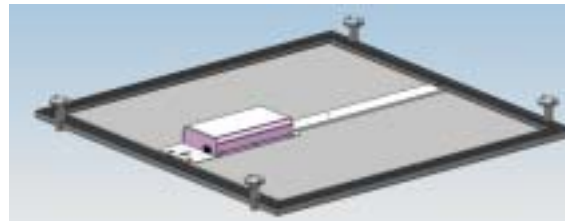   <Caution> As like enlarged part of drawing above, the center of hole for screw should be aligned to the line
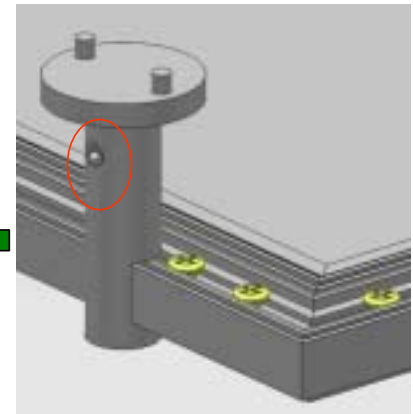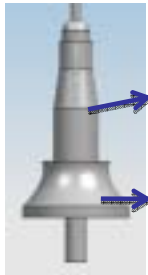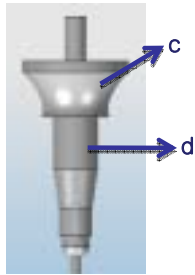
⑤ Drawing of completed product using IK06.

④ It is necessary to use M5 lens to Assemble the top and bottom part of IK06.
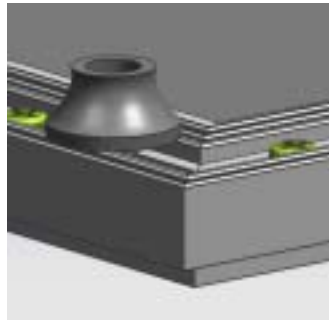
IK05-A Wire Pendant

Wire pendant-A
for light module
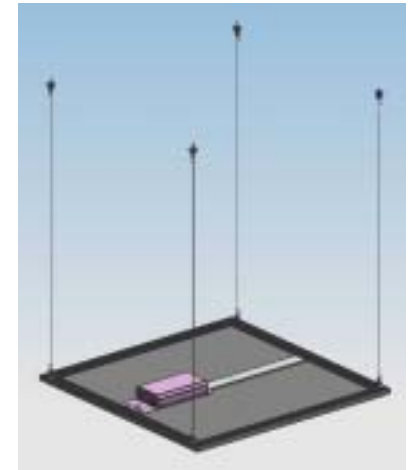

Wire pendant
for ceiling

1. IK05-A-Assembly

① After unfastening one bolt from "ㄱ" shaped bracket in each corner, fix "a" by using M4*10mm flat head screw.

② "a" is need to be fasten by "b" which has been connected from the wire pendant for the ceiling(c+d) by wire.

③ Drawing of complete product using IK05-A
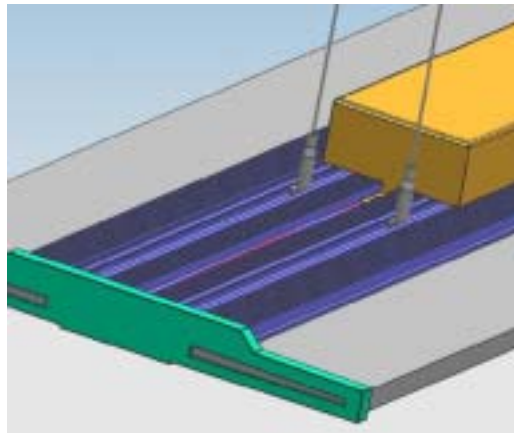
IK05-B Wire Pendant

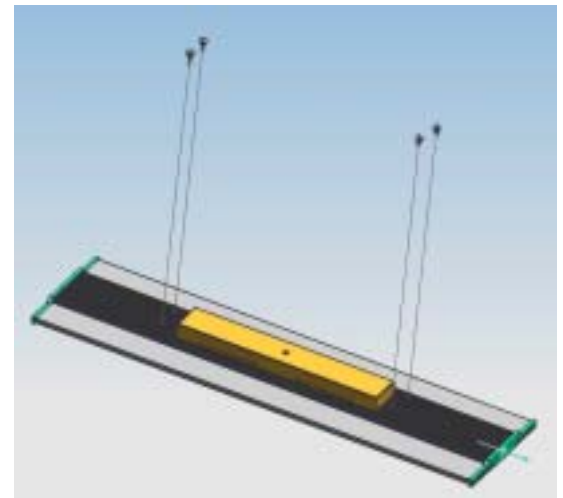
Wire pendant-B
for ling module

Wire pendant
for ceiling

1. IK05-B-Assembly

① Insert wire pendant-B for light module to the frame of light and be careful not to be taken off from the frame.

② Connect wire pendant-B to the wire pendant for ceiling that has been already installed on the ceiling.
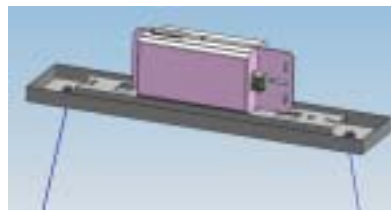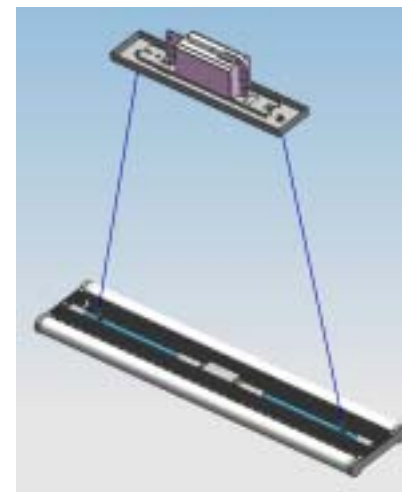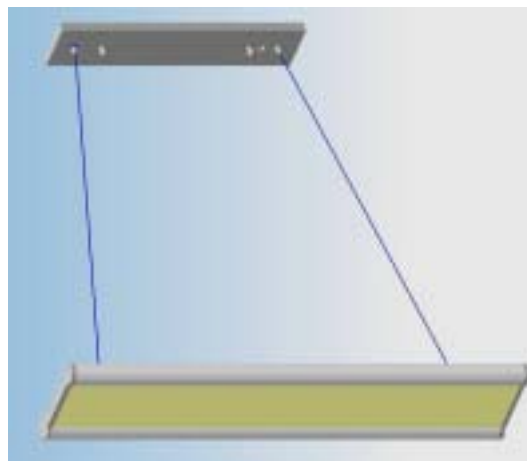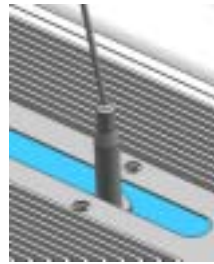
IK07-Pendant

1. IK07-assembly
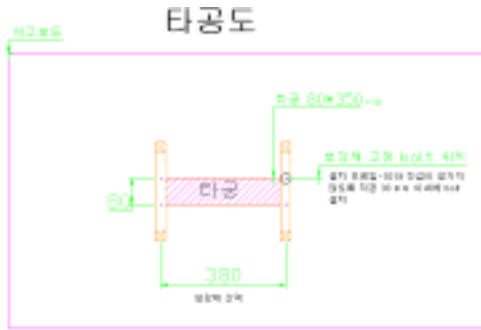

Pendant for light module + Frame for ceiling-02 + Frame for ceiling-01 + =
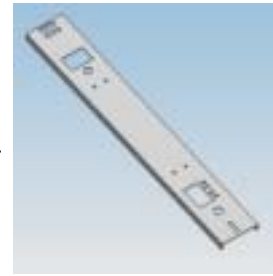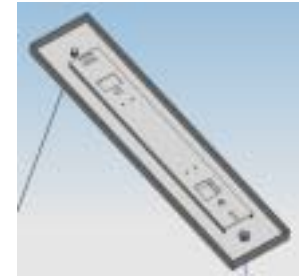
2. Product Application-3D view

IK07-Pendant- 제품 ass'y 순서

타공도

② Fix the wire bracket for fastening the product to the light module.
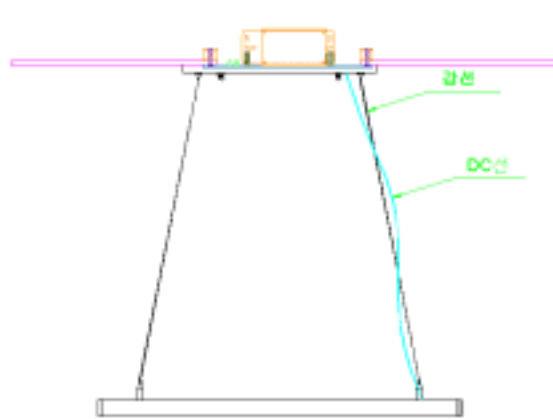

③ After fixing the PSU to the frame for ceiling-02, assemble this fixture to the support bar.

④ After connection the PSU DC terminal to the wire from frame for ceiling, fix those fixture to the frame for ceiling-02.

1. Make opening on the ceiling with size of 80*350mm

2. Fasten the support bar that can endure total weight of 6Kg.

설치도
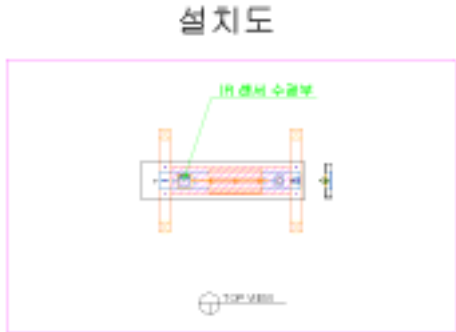
④ Connect frame for ceiling-01 to the steel string on the product.
⑤ Connect the DC wire from frame for ceiling-01 to the product.

IK07-B Pendant
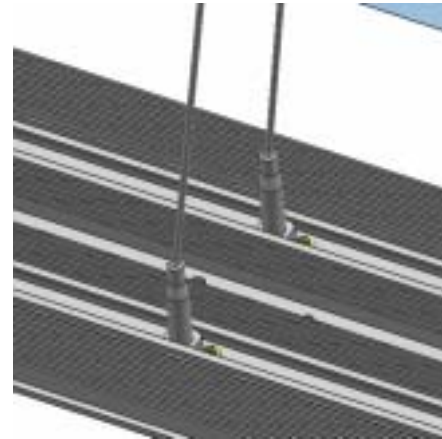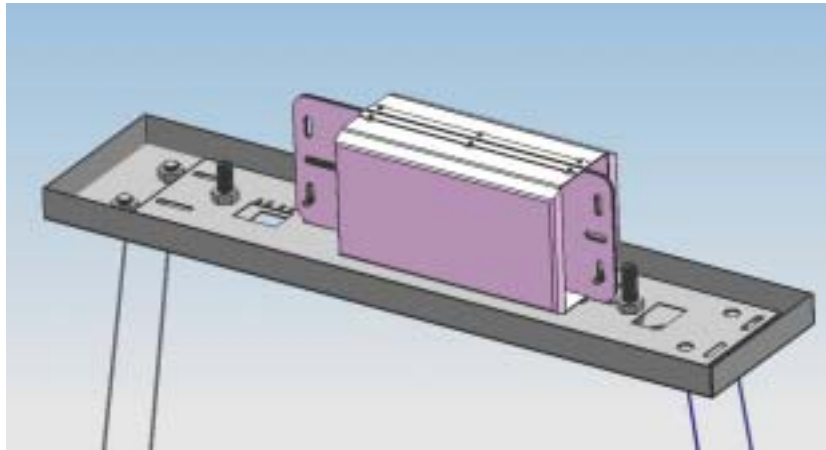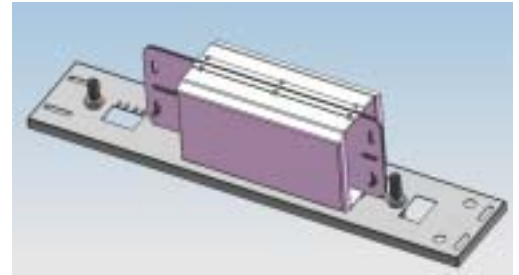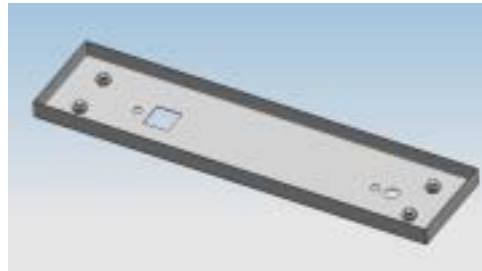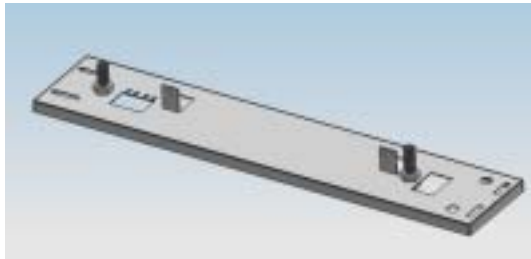
Product Application of IK07-B Pendant+ N02

IK08-Click Bracket

IK08-Bracket1

IK08-Bracket2

IK08-Ganagu
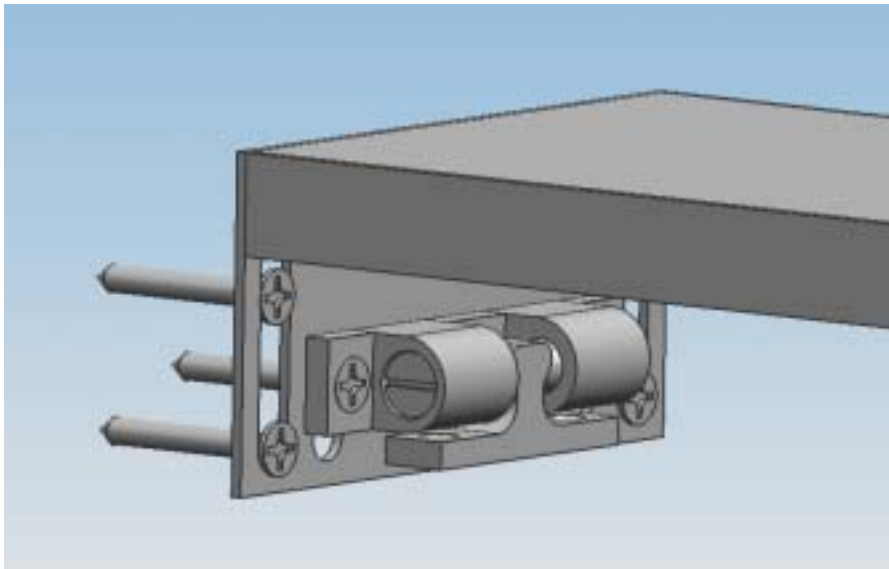
IK08-Click Bracket assy

IK08-Click Bracket + R04RE

설치도

타공도

612

107.5

450

40

692

612

310
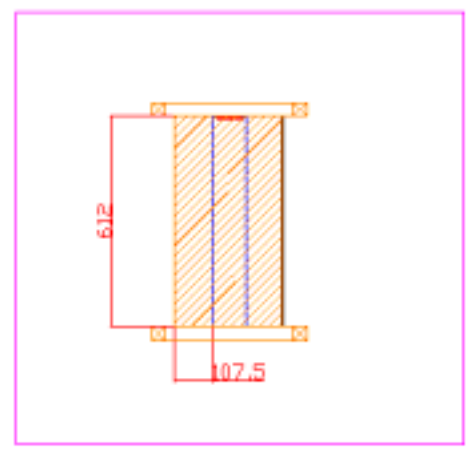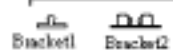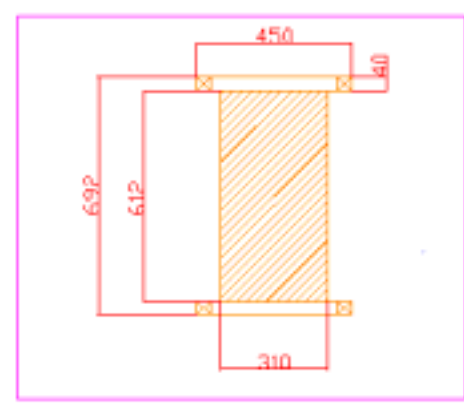
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설치 순서
1. 310*612mm로 타공한다.
2. 40*40*450mm의 보강목 고정한다.
3. 설치도에 따라 Ganagu를 보강목에 고정한다.
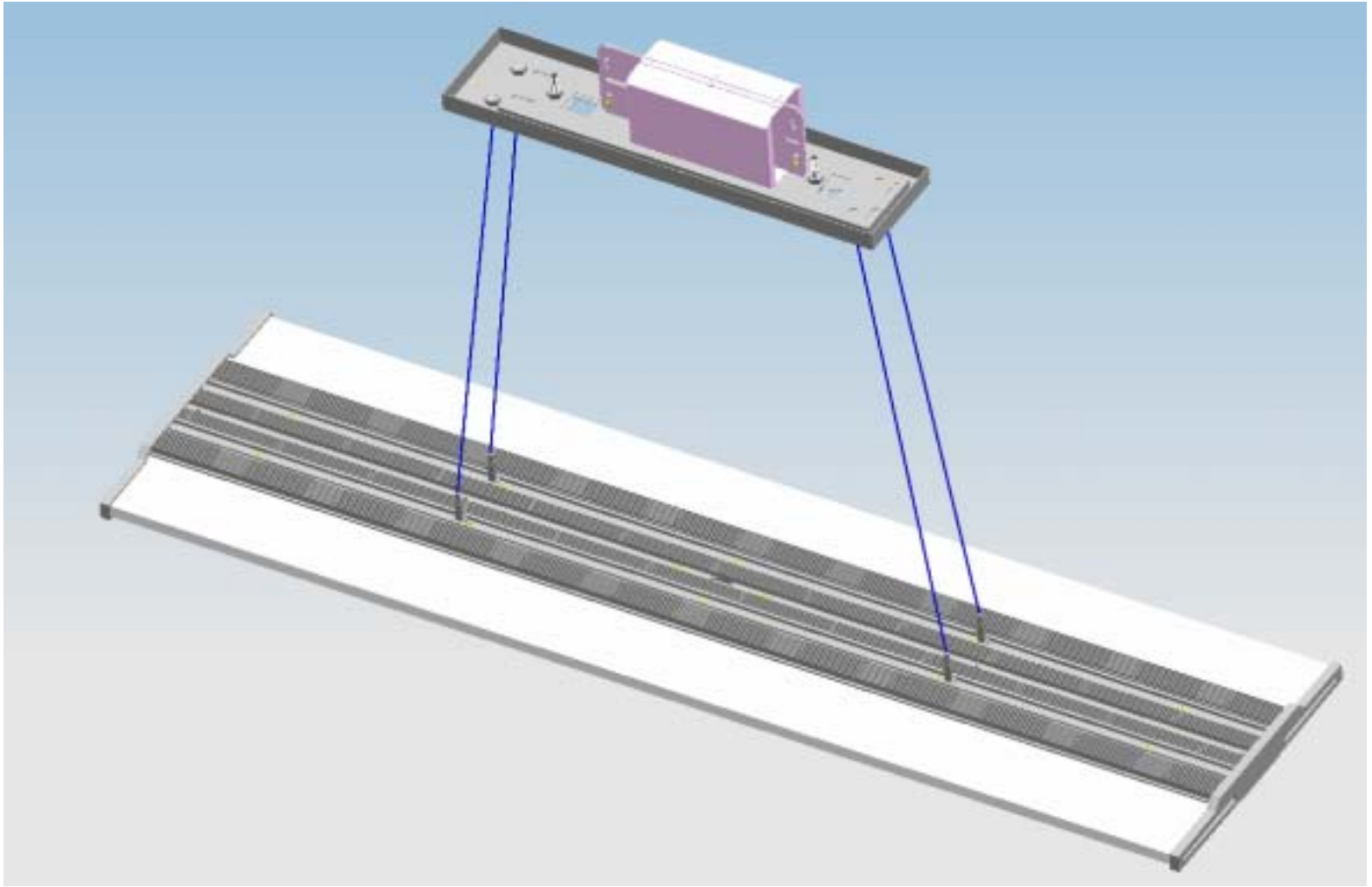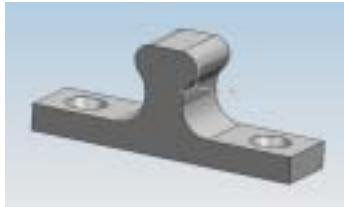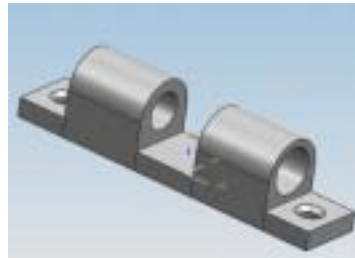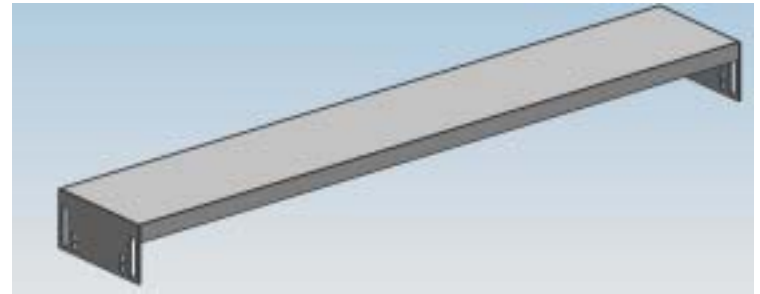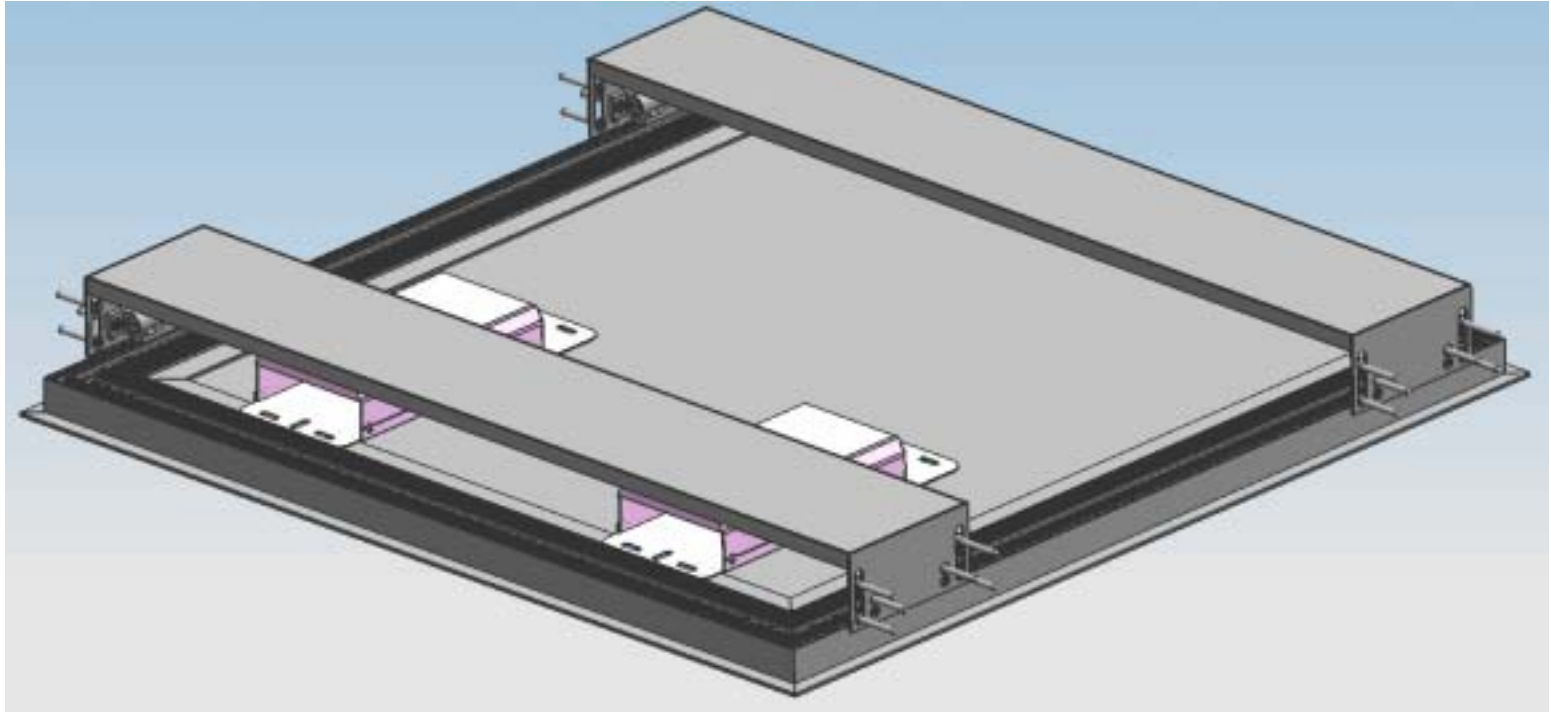4. Bracket1은 제품에 고정되어 있으므로 별도로 고정할 필요 없음.
5. 설치도에 따라 Ganagu를 설치한 후 Bracket2를 Ganagu hole에 고정하고 직결나사를 이용하여 보강목에 고정한다.
6. PSU DC단과 천장의 AC선을 연결한다.
7. 제품에 연결된 강선를 Ganagu에 걸친 후 다시 제품과 연결하여 고정한다.

- 보강목 size : 단면 40*40, 길이 450이상 500 미하로 작업
- 보강목 고정 : 보강목 고정은 bolt 혹은 작업자에 따라 타커로 고정
- 타공 size : 310*612 기준으로 하며, 공차는 +5mm, -0으로 타공
- Ganagu를 설치할 경우 높이 공차는 +3mm, -0 으로 설치.

Ganagu

Bracket1   Bracket2

40

타공 310*612   보강목 고정 bolt M4*50

보강목 40*40*450

612

KF-E-01-05

Designed by	Checked by	Approved by - date	File name	File Date	Scale
SS DONG	CY SON	2013.01.21	KF-E-K01-타공도 0514xx	2013.01.21	1/1

KDT Korea Display Technology

KDT 도면 기본 양식 v1.0

NO. KF-E-01-01-r0.0

Edition	Sheet
B	1/1

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Procedure of installation
1.Make an opening on the ceiling with the size of 310x612mm.
2.Fix 40*40*450 size support bar which is made of wood for reinforcement
3.According to the installation layout, fix a GANAGU to the support bar
4.Additional fixation is not necessary for bracket 1 because it has already fixed to our product.
5.Placing the GANAGU according to the installation layout. Fix a bracket 2 to the hole in GANAGU and tighten this with support bar by using straight screw.
6.Connect AC wire from the ceiling to the DC wire of power supply unit.
7.After being laid across the steel string that is fastened to the product to GANAGU, connect again with the product and fix this.

Light module

Skin

6ea 직결 피스로 직부

Before Assembling

After Assembling
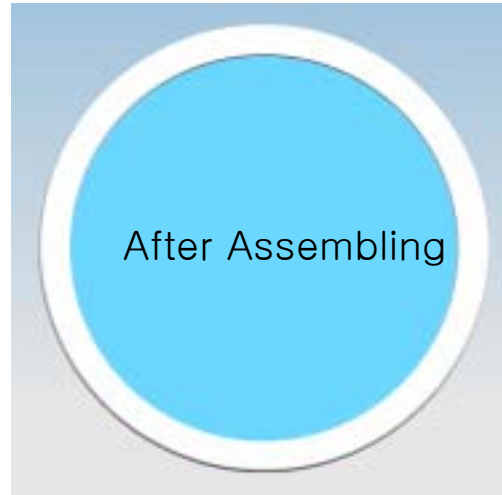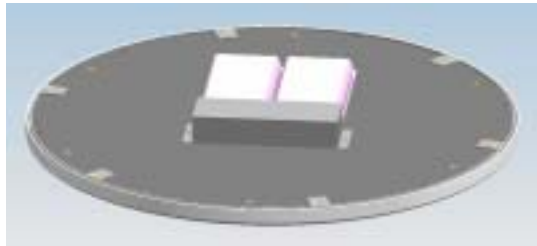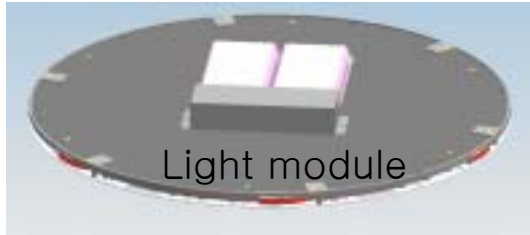
1. The shape of opening on the ceiling to place PSU in it
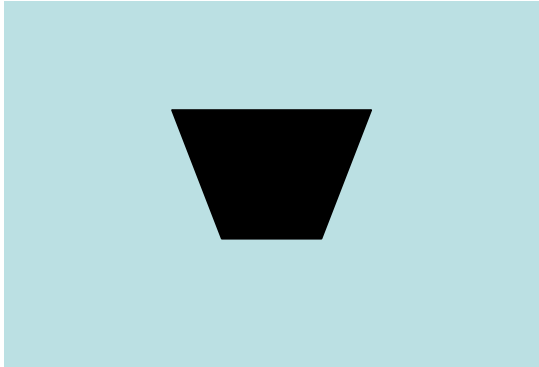
2. 6 spots for the tightening with straight screws

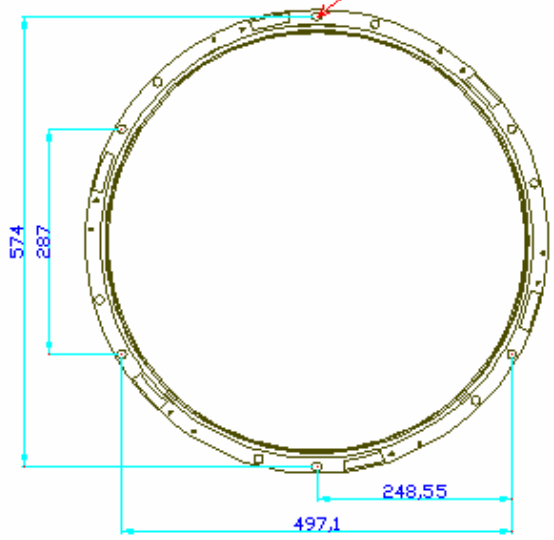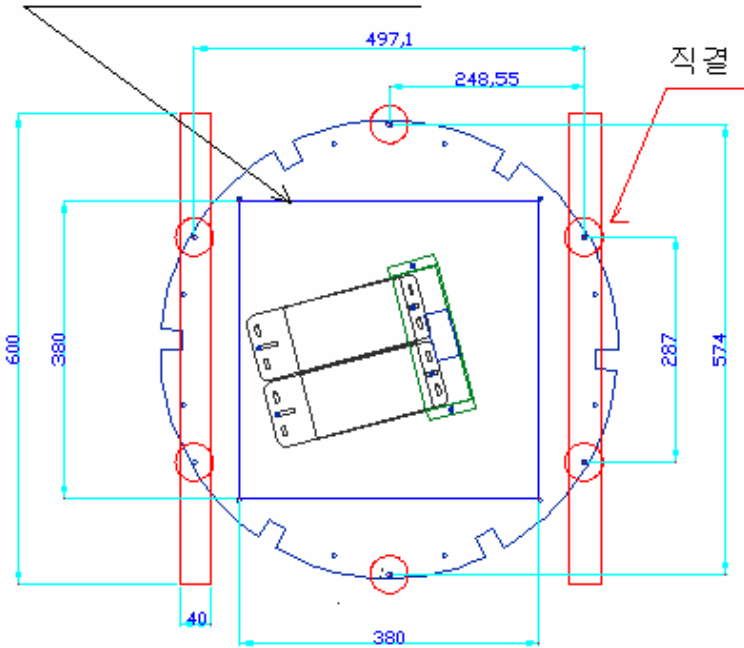3. Installation of skin: turn the skin with a click.

Close of skin : Counterclockwise

Open of skin : Clockwise

C01 취부도 : 무게 6.3 kg

타공 사이즈 : 380x380 mm

직결 나사로 체결 4ea 체결.

497,1
248,55

600
380
287
574

40

380

뒷면

574
287

248,55
497,1

전면(Skin 탈착시)

천장이 합판일 경우, 추가적으로 보강목을 설치하지 않아도 됨.

KF-E-01-05