LED Gas Station Light (100W)

A·type — Embedded type

B·type — Ceiling type

C·type — Pole type

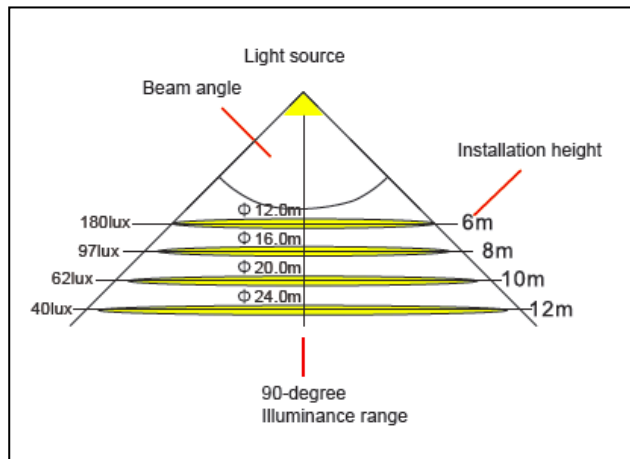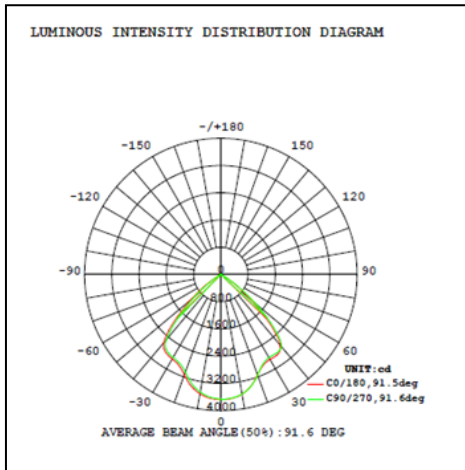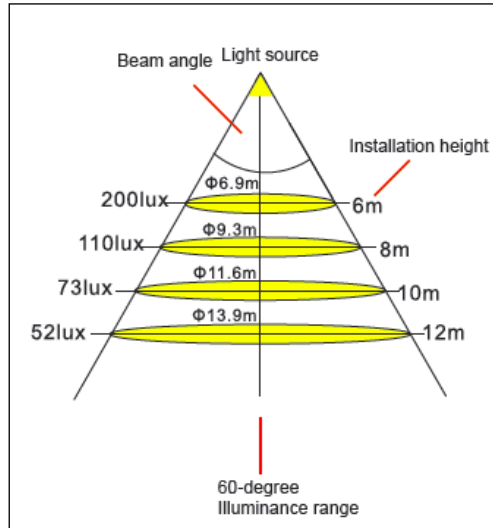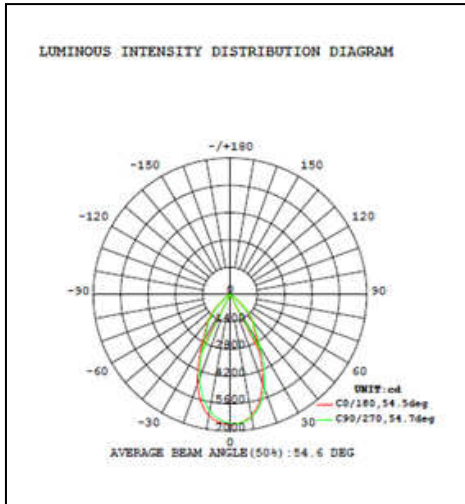| Specification				
Model No.	LOY-LBC100F7-X	LOY-LBD100F7-X	LOY-LBN100F7-X	LOY-LBW100F7-X
Input Voltage	AC100-240V,50/60Hz	AC100-240V,50/60Hz	AC100-240V,50/60Hz	AC100-240V,50/60Hz
Rated Power	100W±10%	100W±10%	100W±10%	100W±10%
Lumens Flux	11000lm	10000lm	10000lm	9000lm
Lumens Efficiency	110 lm/W	100 lm/W	100 lm/W	90 lm/W
Color Temp.	6000±500K	5000±500K	4000±500K	3000±500K
CRI	Ra>70	Ra>70	Ra>70	Ra>70
Operating Temp.	-25℃~40℃	-25℃~40℃	-25℃~40℃	-25℃~40℃
Power Factor	>0.9	>0.9	>0.9	>0.9
Life Time	≧ 40000 hrs	≧ 40000 hrs	≧ 40000 hrs	≧ 40000 hrs
Beam angle	60°,90°,120°	60°,90°,120°	60°,90°,120°	60°,90°,120°
Dimensions	343 *343*140 mm	343 *343*140 mm	343 *343*140 mm	343 *343*140 mm
Weight	9.5±1.5 kg	9.5±1.5 kg	9.5±1.5 kg	9.5±1.5 kg

Remarks

1.The tolerance of luminous flux is ±10%.

2.The dimension tolerance is ±5mm.

3.The appearance and specifications of the product may be modified for improvement without notice.

4.All parameters of products are based on the measurement of Laster Tech laboratory.

CE RoHS

Light Distribution Curve

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM
UNIT:cd
C0/180,54.5deg
C90/270,54.7deg
AVERAGE BEAM ANGLE(50%):54.6 DEG

Beam angle Light source
Installation height
200lux — Φ6.9m — 6m
110lux — Φ9.3m — 8m
73lux — Φ11.6m — 10m
52lux — Φ13.9m — 12m
60-degree
Illuminance range

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM
UNIT:cd
C0/180,91.5deg
C90/270,91.6deg
AVERAGE BEAM ANGLE(50%):91.6 DEG
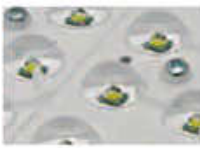
Light source
Beam angle
Installation height
180lux — Φ 12.0m — 6m
97lux — Φ 16.0m — 8m
62lux — Φ 20.0m — 10m
40lux — Φ 24.0m — 12m
90-degree
Illuminance range

Product   Introduction

Installation method	System Power	Light distribution	Beam angle	Color temp
Embedded type	120W (70 x LED)	Symmetry	Wide light	White (6000K)
Ceiling type	100W (56 x LED)	Asymmetry	Medium light	Natural White(4000K) / Warm White(3000K)

CE RoHS

SWEEÖ®
LED Lighting

Installation Instruction

Mode1:The ceiling type of canopy light installation

1.According to the bracket hole distance, fix two M10 screws on the ceiling.

2.Put the bracket hole position of screws, then tighten nuts

3.Put the lamp on the bracket.

4.Link the wire

Bracket   Screws
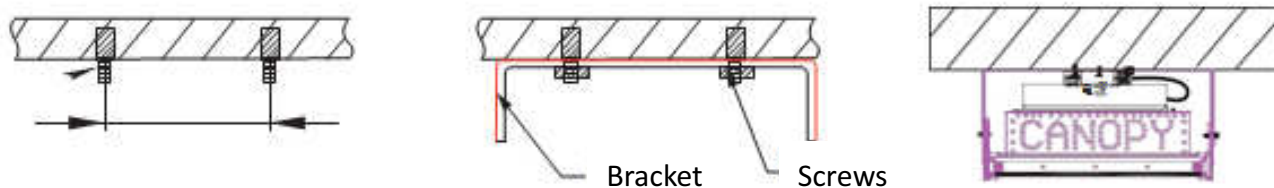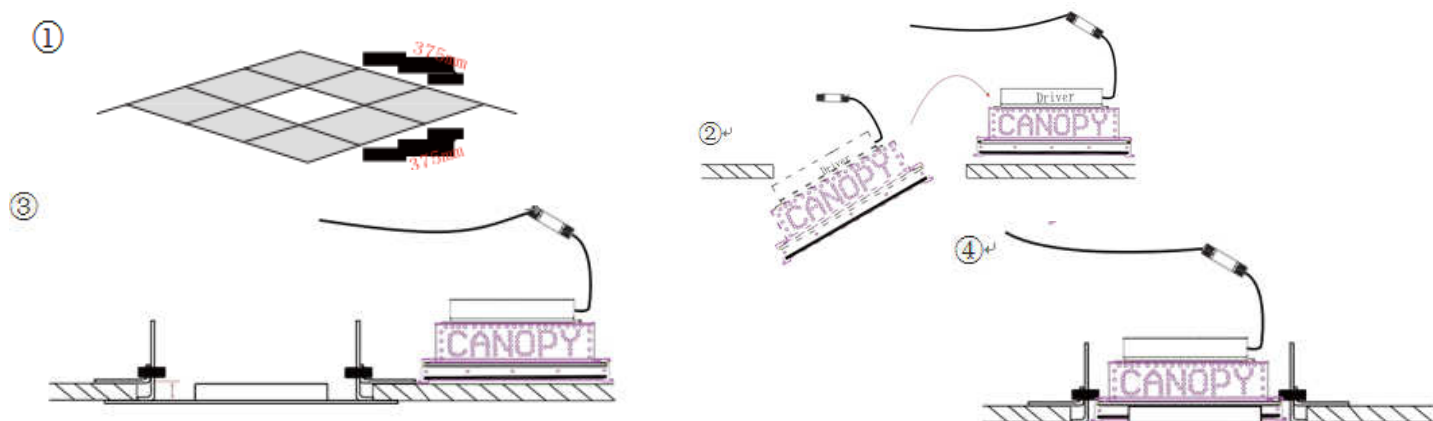
Mode 2:   Recessed installation of led canopy light (new building gas station)

1.The size of ceiling cut-out is 343*343,and Measure the wall thickness T

2.Adjust the movable screens of lamp to the T height

3.Lean the lamp for putting it on the ceiling

4.Adjust lamp position
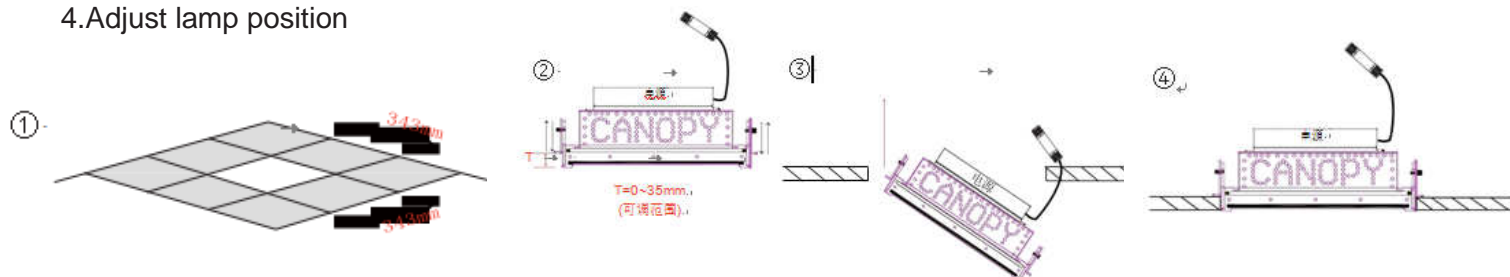
Mode 3: Recessed installation of led canopy light (old gas station)

1.The size of ceiling cut-out is 375*375.

2.Leaning the LED lights into ceiling, on the other side of the hole to connect the AC input wire .

3.Fix the installation block on the ceiling with special metal plate and screws, adjust the GAP to T,
   make it ceiling of clamping hole wall.

4.Move the LED lights at the other side to the hole position, installation complete.

Product   Details

UL driver

Ceiling stents

UL driver

Protective net(there are heat dissipation sets in it)

Protective net(there are heat dissipation sets in it)

Breathing apparatus

Provide the embedded frame together with the lamp

Adjustable Installation fastener

High transmittance of toughened glass

Optional Angle lense

Built-in waterproof strip
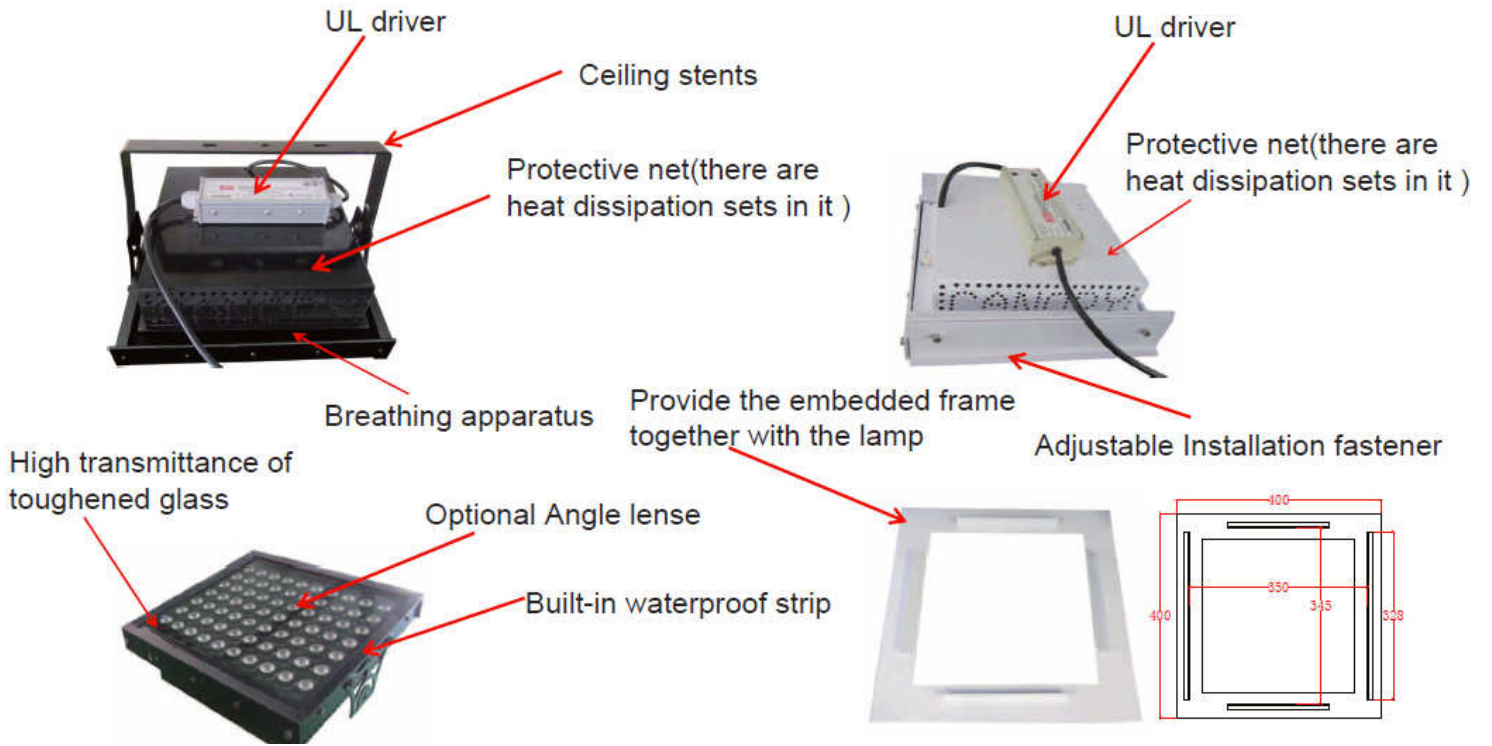
High performance LED and high-quality driver ensure the long life span of the whole lamp, and the professional structural design ensures the excellent heat dissipation and IP65 waterproof.

Dimension

Embedded type

343mm
343mm
140mm

Ceiling type

343mm
343mm
140mm

CANOPY

CE RoHS
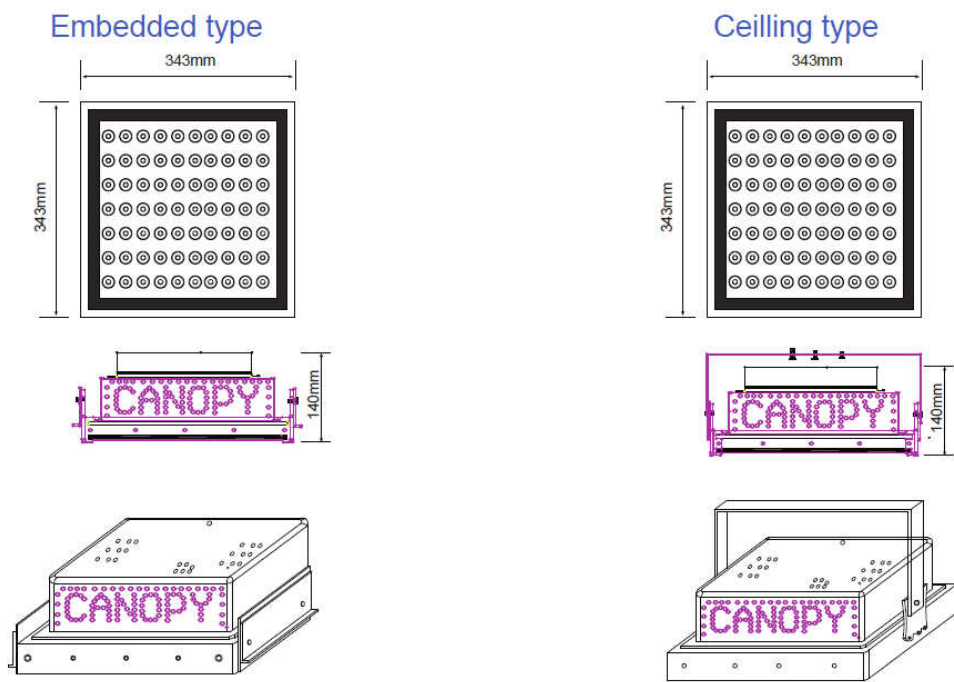
Flexible Application

A·variety·of·installations·adapt·to·different·
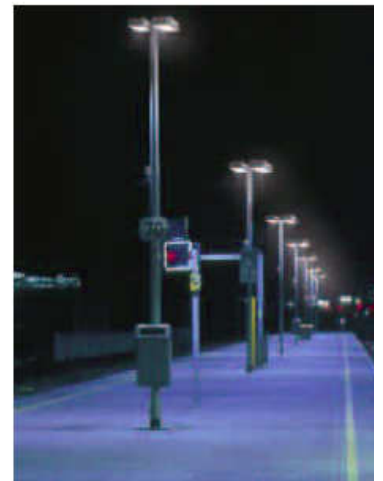

A type

Embedded type

B type

Ceiling type

C type

Pole type

# Professional light distribution, the best lighting solution

- Unique light distribution design to evenly irradiate the light into the selected vertical and horizontal planes.
  Special optical design strengthens the vertical plane of the lighting, and the display effect is greatly increased in fuel meter readings district.
  (Traditional lights always tends to downward the light and emphasize on the light of horizontal planes, but ignore the vertical illumination in the working place.)

- Four different light distribution designs can be flexible to satisfy all the different sizes of gas stations' lighting requirements.

  After customers enter into the gas station, unique asymmetric light distribution design of lighting can be effectively concentrated on the working area of the gas station , greatly improve the utilization rate of light as well as the brand image of the gas station.
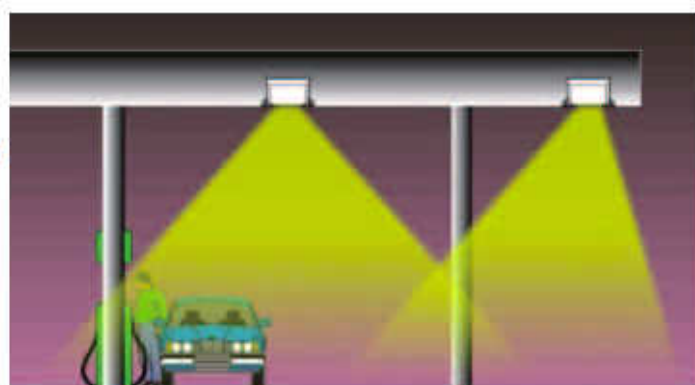
- Excellent resistance to stun design will ensure that the drivers won't feel dazzling and discomfort when drive close to the gas station, so the safty has been improved greatly.