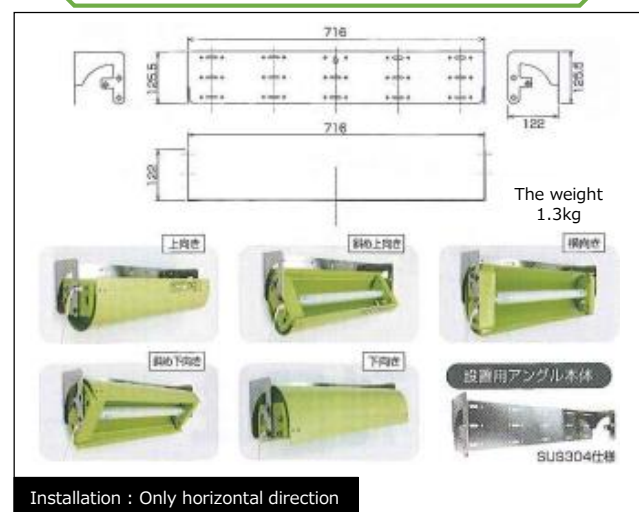


ESCO641CN, light traps with sound wave generator and a built-in thermal fuse

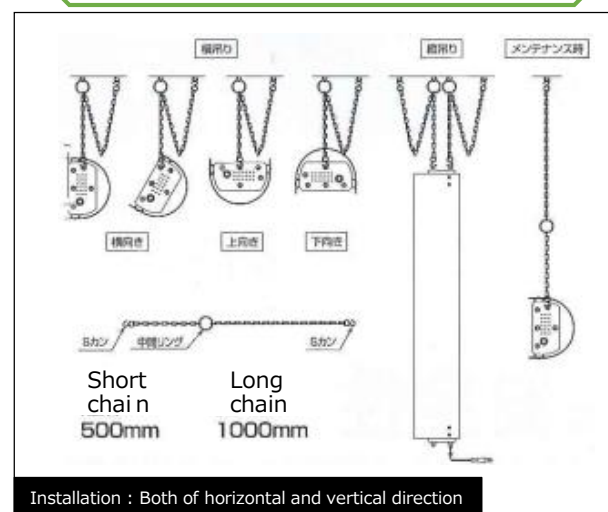
Precautions in installation

- ① There are two ways to install the devices. One way is 'The angle type' which are attached on the surface of the wall as the figure shows below, and the other is 'The hanging type with chains' which are attached on the ceiling.
- ② Confirm the materials, structure, and the strength of the wall and select screws and the places where the devices are installed, which are durable to the total weight of the products.
- ③ Installation of the angle types needs at least five M5 screws separately. The hanging type with chains needs four metal fittings separately.
- ④ Use them only inside the premises, and not to be installed at the places where have large vibrations or wind blows strongly.
- ⑤ Don't be installed at the places where water drops fall on, or are very humid, and the light traps are expected to be rusted. They are not waterproofing.

The angle type



The hanging type with chains



Confirmation precautions in usage

- ① Use 'ESCO 641 sticky sheets', '20W black lights', and 'glow lamps'.
- ② Change the black lights within 5,000 hours from the time of initiating the use.
- ③ Ask the sales rep. of Earth Environmental Service Co., Ltd. about the setting of the frequency of sound wave.
- ④ The thermal fuse turn off power if the built-in ballast generates abnormal heat.
- ⑤ The ballast life is about 40,000 hours under the normal conditions.
- ⑥ Don't store any materials or stuff within 1m from the devices. It will cause deterioration and fading by UV light.

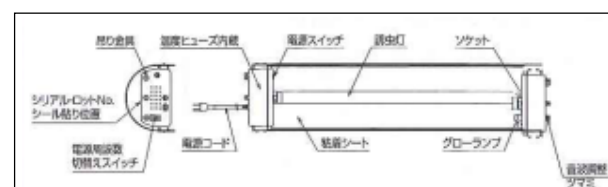
Separately sold expendables

ESCO 641 sticky sheets 10 sheets/ box
Black lights 25 pieces/ box

Specifications

SIZE	W775×D160×H180(mm)
WEIGHT	About 2 kg
POWER	AC220V 50Hz (the length of electrical cord 1.75m)
SOUND WAVE GENERATOR	1.0 -5.0 kHz
ENVIRONMENTAL CONDITIONS	Temperature 20 ±15°C Humidity 65±20 %
POWER CONSUMPTION	22W±15%
ACCESSORIES	A black light and a glow lamp (common)
	Angles and pins or chains for hanging

Outline view and structure diagram



アース環境

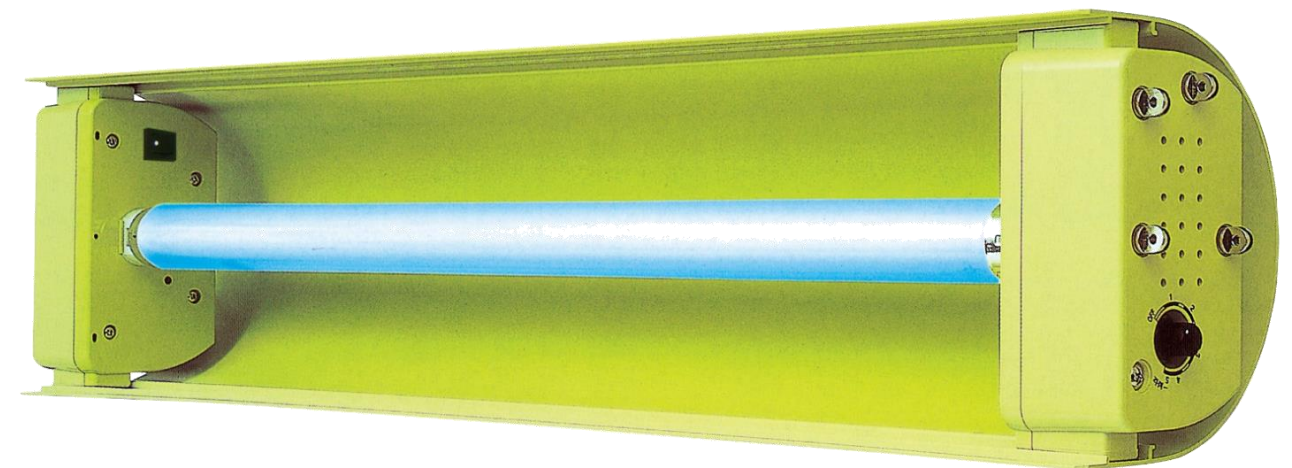
Invented from the way of thinking of GMP LIGHT TRAPS FOR PREDICTION

ESCO 641 CN

With a built-in thermal fuse

ESCO 641 CN

With sound wave generator
for attracting insects



Chinese Patent Number :
201530055787.7

Catch flying insects based on their habits

**An Innovative tool
for integrated pest management !**

Sales agency :

アース環境

Earth Environmental Service Co., Ltd.
Head office: 17 Kandakonyacho, Chiyoda-ku,
Tokyo 101-0035, Japan
TEL +81-3-3253-6400

The capturing rate increases drastically by a synergistic effect of lights and sounds!

This device attracts insects effectively by sounds under the bright circumstances!

Implement statistics analysis and a predict management based on correct data!

The light trap is made based on thorough researches of the habits of insects.

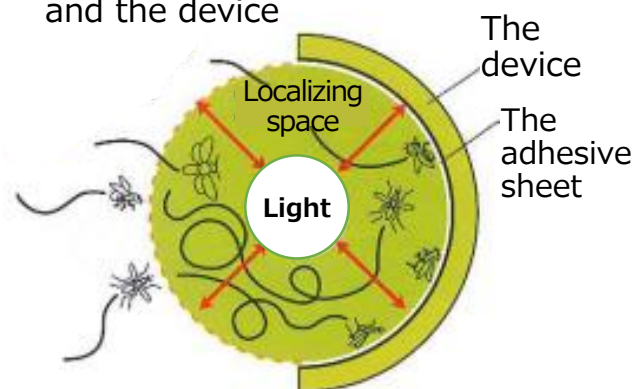
The points of increase of the capturing rate!

Capture insects within localizing space, a habit of insects!

Semi-Cylindrical device applying the concept of localizing space and specific adhesive sheets enhance the capturing ability.

- Localizing space means the areas where insects move around the lights as a center. We have made the devices as semi-cylindrical which have a diameter as much as localizing space, and make it possible to raise both of the attracting rate and the capturing rate of insects.

The principle of localizing space and the device



Capture insects by color, a habit of insects!

Both of the device itself and the adhesive sheet are colored with yellowish green that attracts many kinds of insects, and these things enhance the effect of attracting of insects.

- Because the color which many insects are attracted is yellowish green group, we made the products applied the color.

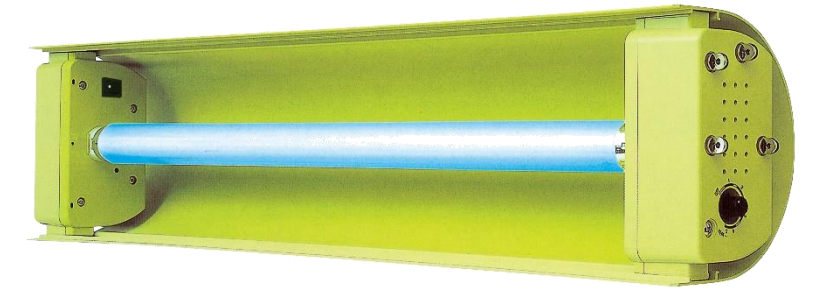
Capture insects by sounds, a habit of insects!

Specific sound wave by sound wave generator enhances the effect of attracting of insects.

- By specific sound wave, it attracts flying insects belonging to the Diptera which cause problems inside facilities most frequently



Because this device captures insects by sticky sheets, you don't worry about scatter of pieces of insects and second generation of insects due to insufficient maintenance. It doesn't generate harsh sounds when insects get electric shock because this doesn't use high voltage.



The high Safety

Built-in a thermal fuse!

- The thermal fuse turn off the power when the ballast life ends or generating unusual heat due to some burdens on the ballast occur.

Corrosion resistance!

- The angles and the chains are made of SUS316 which has a high corrosion resistance.

Easy to change the sheet!

- The adhesive sheet of the ESCO 641CN is a big sheet and insert type. So it is easy to change.

Easy and Convenience

One direction of flooding lighting !

- The shape of the device is semi-cylindrical, and it makes flooding lighting one direction and the light doesn't leak to outside. It captures insects only inside the facilities and doesn't attract insects outside.

Easy to adjust the angles!

- The angle of the device is easy to change corresponding to the situation on site.

This device is a tool of strategic and integrated pest management!

The data should not be only described statistically but be analyzed statistically to identify the invasion route of insects and set the original control criteria and prioritize countermeasures. It is necessary to proceed predict management.

ESCO 641 CN is a tool for validation of pest management.

The number of captured insects at the other areas for the number of it at the filling room becomes zero.

