



zero to one project

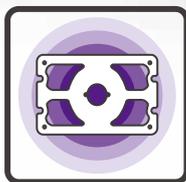
Luci Mushi Tora

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Luci UV LED



Professional lighting provider achieved 3 innovation



360° light



not required



postcard size

Luci Co., Ltd.

For factories and production lines



Mushi Tora can be installed virtually everywhere. It further improves the accuracy of monitoring by being installed at desired places.

A Inside manufacturing machines: to specify a source of infestation

Installing Mushi Tora enables to specify a source of infestation inside a manufacturing machine.

B Underfoot: to specify a source of infestation

Installing Mushi Tora enables to specify a source of infestation inside a crack of concrete floor

C Inside ducts, air inlet/outlet filter: to specify a source of invasion from outside

Installing Mushi Tora enables to specify a source of insect invasion from outside through openings

D Inside switchboard: to specify a source of invasion from outside

Installing Mushi Tora enables to specify a source of insect invasion from inside walls

E On the ceiling: to specify a source of invasion from outside

Installing Mushi Tora enables to specify a source of insect invasion in the ceiling

F Narrow gaps: to specify a source of infestation inside and outside

Installing Mushi Tora enables to specify a source of insect infestation and/or invasion



Decorative Mushi Tora for customer service areas.
High performance Mushi Tora for backrooms.

G Bar and seating area: Decorative Mushi Tora (under development)

Lure and capture insects out of customer's sight before they get into dishes.

H Pantry: Mushi Tora

Install Mushi Tora to infestation points in order to trap insects at the source.

I Kitchen: Mushi Tora

Safely prevent insects from getting into dishes with nonchemical, unscattering structure.

J Windbreak room: Decorative Mushi Tora (under development)

Lure and trap insects from outside before they enter the seating area.

A Inside manufacturing machines: to specify a source of infestation

The risk of product tampering will increase with infestation inside manufacturing machines.
Check regularly and keep insects away from inside machines.

Approximate duration of use 1~7days

Installing Mushi Tora after cleaning the machine will help you to determine whether the cleaning method is appropriate for preventing infestation.



B Underfoot: to specify a source of infestation

Infestation can occur from residues and wet areas inside the machine.
Underfoot is another vulnerable place for infestation.
Check these areas regularly for not becoming its source.

Approximate duration of use 1~7days

Water is easily accumulated in cracks of concrete so that it can also be a source of infestation.
If many insects are trapped underfoot, it is likely to have cracks on the concrete.



C Inside ducts, air inlet/outlet filter: to specify a source of invasion from outside

Negative air pressure (that is, indoor air pressure is lower than outside atmospheric pressure) in a factory allows insects to enter from outside more easily. Installing Mushi Tora will help you to determine whether insects invade.

Approximate duration of use 1~7days

Mushi Tora is thin and compact, the same size as a postcard, for easy installations.





D Inside of switchboard: to specify a source of invasion from outside

Infestation can occur inside walls. Installing Mushi Tora will help you to determine whether a gap inside the wall becomes a source of infestation

Approximate duration of use 1~7days

Mushi Tora can be installed virtually everywhere, even in a smaller and narrower space, to clarify invasion routes of insects.



E On the ceiling: to specify a source of invasion from outside

Infestation can occur in the ceiling. Check if there is any gap in the ceiling by comparing insects trapped in the ceiling .

Approximate duration of use 1~7days

The device weighs only 240g; so light that it can be installed without damaging the ceiling.



F Narrow gaps: to specify a source of infestation inside and/or invasion from outside

Narrow gaps are blind spots. Installing Mushi Tora will help you to determine whether there are sources of infestation or gaps as invasion routes by checking what kinds of insects are trapped in the device.

Approximate duration of use 1~7days

The device is as thin as 25mm, and can be vertically or horizontally slipped into a narrow space.



Professional lighting provider achieved 3 innovation



360° light

Highly catch performance with 360 degree light distribution



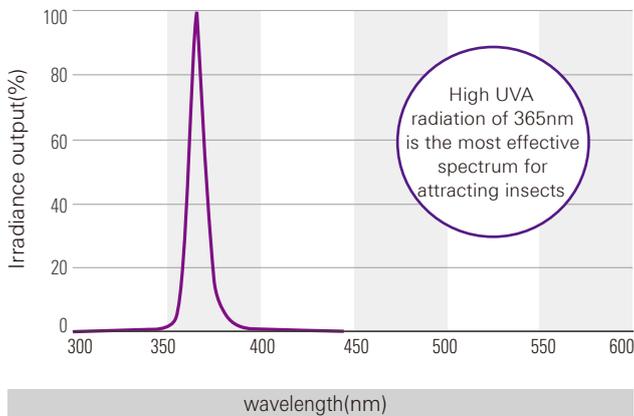
not required

Easy installation without construction and easy way to add it everywhere



postcard size

Compact size with new ultra thin experience 25mm with 100% Japanese technology

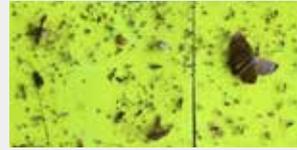


Most attractive spectrum for flying insects

Highly initial UVA output at 365nm is most attractive spectrum for flying insects. Almost invisible with eyes of human being.

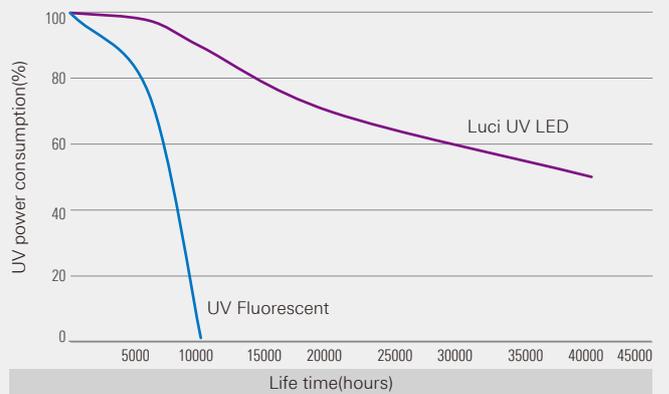
● Test results

A certain place in Tokyo, lighting up outdoor for 11 hours (Oct, 2016, 21:00-32:00)

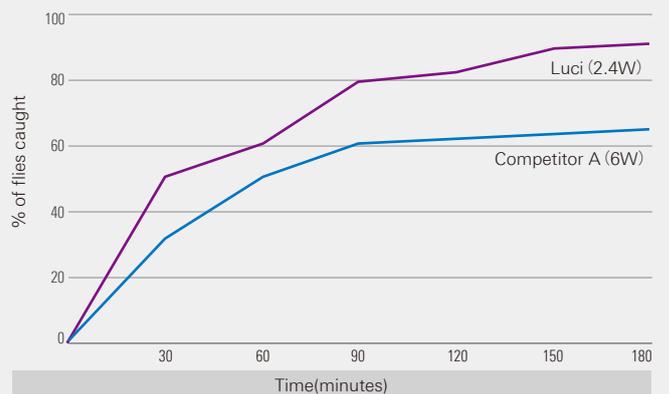


408 insects

● UV Fluorescent Vs Luci LED UV



● Superior fly catch performance
Competitor A is most popular light trap product on Japan.



Specification

Product Name	Luci Mushi Tora	LED unit	LED unit	Glue sheet	Glue sheet
Model No.	LMT-AA-A-A	LMT-U-A	LMT-U-A	LMT-S-A	LMT-S-A
Dimension	W160*H100*D25mm	—	—	W130*H90mm	—
Weight	420g	—	—	—	—
Power consumption	2.9W	—	—	—	—
Material (Body)	Stainless	—	—	—	—

設置イメージ





Real customer Interview & Comments



Insect prevention measures are always taken in food manufacturing factories. But issues are different from place to place.

◀ Postcard-size insect traps can be installed in narrow spaces, including inside of machines, underfoot, and gaps between the wall

Insect prevention measures taken previously...

For a dry food processing factory and machines, not only chemicals but also washing with water cannot be used to prevent and/or get rid of insects. We have been looking for an effective measure for such constrained environment. So far, we used sticky mousetrap sheets available at drugstores in order to trap insects, but the effect was not satisfactory enough. We needed to find a new and much more effective measure.

After using Mushi Tora...

As mentioned above, we had only taken rather passive measures against insects before we installed samples of Mushi Tora. The result was satisfactory, and we found it more effective than any other measures we tried before.

You will be able to see the effect within a week or so after installation, and therefore decision can also be made in a short time. The size of insects trapped in Mushi Tora is smaller than the size of insects trapped on mousetrap sheets that we previously used. It probably means that we can get rid of insects in an earlier stage of infestation.

In fact, we now hardly see insects around the machine.

More effective than our conventional approach without using any chemicals! Mushi Tora can lure and trap insects at a very early stage of infestation.



▲ When the light is on



▲ Insects trapped on the insect trap sheet

G Bar and seating area: Decorative Mushi Tora (under development)

As a bracket lighting, it illuminates the store space indirectly.

Without using blue light, Decorative Mushi Tora enables to get rid of insects while not spoiling the interior design.

Approximate duration of use 30 days

Customers will feel uncomfortable if insects fly around the seating space.
Decorative Mushi Tora keep the store clean and comfortable.



H Pantry: Mushi Tora

This is one of the spots where infestation is likely to occur.

Healthy the insects source can prevent them from flying over the seating space.

Approximate duration of use 30 days

Drain flies and small fruit flies are commonly found in the pantry.
If these flies are trapped, it is likely that they are breeding
so that cleaning the space will be recommended





I Kitchen: Mushi Tora

Chemicals such as insecticides cannot be used in the kitchen. Instead, we recommend to use an insect trap. Mushi Tora is made of non-breakable material and thus safe when it is dropped.

Approximate duration of use 30 days

The device weighs only 240g, easy to hang on a hook.



J Windbreak room: Decorative Mushi Tora (under development)

This is the area that insect invasion from outside occurs the most. Trap the insects here and prevent them from entering the seating space.

Approximate duration of use 30 days

It can be used as a bracket lighting and customer will never realize it is an insect trap.



Under development

Luci Mushi Tora
for interior



For commercial facilities and restaurants

An attractive LED Bracket light with warm white light color designed to seamlessly integrate into interior space.

March 2017 on sale

B5 notebook size

New construction design for conceals the glue board and the flying insects caught.

Innovative design and light colors make that seamlessly integrate into interior space.

Customizable

Customizable front cover for color, design, brand and promotional messaging



設置イメージ



AC adapter is attached for power supply

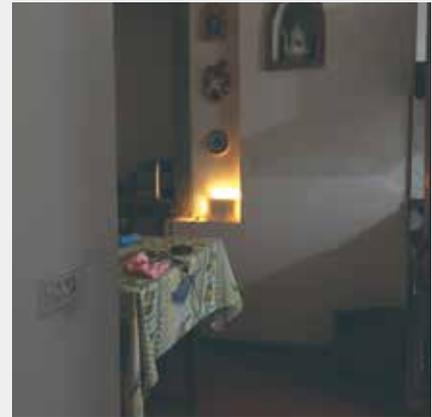


● Test results

A certain place in Tokyo, lighting up outdoor for 4 hours (Jun, 2017, 21:00-25:00)



40
insects



A certain place in Tokyo, lighting up outdoor for 9 hours (Jun, 2017, 22:00-31:00)



200
insects



Other than small flies, moths, cigarette beetles, and leafhoppers were also trapped.



Real customer Interview & Comments



Insect prevention measures are always taken in food manufacturing factories. But issues are different from place to place.

◀ Postcard-size insect traps can be installed in narrow spaces. Mushi Tora can also be safely installed in high places since it is made of shatterproof material

Valued points for Mushi Tora

In addition to its compact body, the number of insects trapped by Mushi Tora is larger than conventional insect traps. It is, however, too effective to trap insects so that the installation spot should be carefully examined before use in order not to attract insects from other areas.

It seems to have raised awareness of our employees by visualizing the result.

Reasons for application of Mushi Tora

As mentioned earlier, it is compact and can be easily installed anywhere near the source of infestation even in our small kitchen. Moreover, it is made of non-breakable and shatterproof material so that we can safely use it without worrying about scattering debris in case of dropping it from height. It makes the management a lot easier.



▲ Replace trap sheet as necessary



▲ Can be installed near the source of flying insects

Any changes after use of Mushi Tora

It is difficult to know the current situation in the case of spraying chemicals. With Mushi Tora, however, we can visualize the result.

The Visualization also seems to have raised awareness of our employees.



Luci Co., Ltd.  zero to one project

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