

KANEKA OLED Lighting

**KANEKA LUCE T1-WH/BK/BZ/MS**

# **Instruction Manual**



Safety Information	p. 2
1 Checking the Unit and Accessories	p. 12
2 Part Names	p. 13
3 Charging/Installing the Unit	p. 15
4 Operating the Unit	p. 18
5 Cleaning	p. 20
6 Troubleshooting	p. 21
7 Product Specifications	p. 22
8 Warranty and After-sales Service	p. 23



## **To customers:**

- Thank you for purchasing this Kaneka product.
- When using this product be sure to follow the terms of use and safety precautions in this manual. Kaneka shall bear no responsibility for damage that occurs due to the product being used in a way that deviates from the contents of this manual.
- Please keep this manual handy so that you can refer to it immediately when needed.



(for U.S.A.)

## Safety Information

Be sure to read the cautions described here to prevent injury, malfunction, fire and similar.

 <b>Warning</b>	<b>Indicates a hazardous situation that, if not avoided, could result in death or serious injury.</b>
 <b>Caution</b>	<b>Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.</b>

Be sure to follow the instructions indicated by the following symbols.

	<b>Indicates that you must not perform the indicated task.</b>		<b>Indicates that you must perform the indicated task.</b>
---	--	---	--



## Warning

---



**If there is smoke or an unusual odor, the cable is deformed or the adapter overheats immediately turn off the power and unplug the adapter from the power outlet.**

Continuing to use the unit may cause fire or electric shock. Make sure that smoking, heat, etc. have subsided, and then contact the dealer for inspection, repair, or replacement.



**In the following cases immediately turn off the power. If you are using the adapter, unplug the adapter from the outlet.**

- If water or foreign matter enters the unit
- If the unit is damaged

Continuing to use the unit may cause fire or electric shock. Contact the dealer for inspection, repair, or replacement.



**Use 100-240Vac.**

Excessive voltage may cause fire or electric shock.



**Use and store the unit so that condensation is avoided.**

Otherwise this may cause electric shock, short circuits or damage.



**Do not install or use the unit outdoors.**

Otherwise the unit may become wet and cause electric shock, short circuits, or fire. This may also cause parts to deteriorate or become damaged.



**Do not use the adapter power plug if it is dusty.**

A dusty plug may result in moisture accumulation that causes insulation failure leading to fire. Also, contact failure may result in malfunction.

Remove the adapter and wipe it with a dry cloth.



**Fully insert the adapter into the power outlet.**

Otherwise this may lead to electric shock or fire caused by the heat generated.



**Before cleaning the unit, turn off the power and unplug the adapter.**

Doing this when the unit is powered may cause electric shock.



**Make sure it does not exceed the rating of the power outlet.**

Using multiple connections, etc. and exceeding the rating can cause heat to be generated that may lead to fire.



**Do not repair, modify, disassemble, or wash with water.**

Otherwise this may cause fire, electric shock, or damage. Contact the dealer for inspection, adjustment, or repair.



**Do not use in a location where drops of water may fall on it.**

Otherwise this may cause fire, electric shock, malfunction, or damage.

The unit is not moistureproof and rainproof.



**Do not touch the unit with wet hands.**

Otherwise this may cause electric shock, malfunction, or damage.



**Do not connect or disconnect the adapter with wet hands.**

Otherwise this may cause electric shock.



**Do not use near flammable materials.**

Otherwise this may cause fire or burns.



**Do not cover with flammable materials such as cloth or paper.**

Otherwise this may cause fire or burns.



**Do not insert objects into gaps in the unit.**

Otherwise this may cause fire or electric shock.



**Do not use aerosols or sprays with flammable gas when cleaning the unit or in general cleaning.**

If flammable gas is used for cleaning it may build up inside the unit and ignite when switches make contact or static electricity causes sparks, leading to explosion or fire.



**Do not place objects on the unit.**

If metals, vases, cups, or liquids such as cosmetics enter the unit, they may cause fire or electric shock.  
Also falling objects may cause injury.



**Operate the unit at an ambient temperature between 5°C and 35°C.**

Otherwise this may cause insulation failure, fire, or electric shock.



**Do not install the unit in a place where it gets hot (direct sunlight, near a stove, etc.).**

Otherwise this may cause fire or electric shock. Also, this may cause deterioration or damage of the parts.



**Do not charge using any method other than the one specified.**

Charge according to the method written in the instruction manual. Charging using another method may cause heat generation, fire, or rupture.



**This product includes a battery, but you must not remove or replace it yourself.**

Kaneka will replace the battery for a fee. Contact Kaneka if the battery needs replacing.



**If the time the unit stays lit when using the battery becomes shorter, stop using it.**

The battery has a lifespan. Continuing to use the battery when it has been consumed and the lit time of the unit has shortened<sup>\*1</sup> may cause damage.

Kaneka will replace the battery for a fee. Contact Kaneka if the battery needs replacing.



**Use the supplied USB AC adapter or one that meets the same standards.**

Using an adapter other than the one supplied or a USB AC adapter that meets the same standards may cause heat generation, fire, or rupture.

\*1: If the lit time becomes less than half of the normal lit time when the battery is sufficiently charged, this indicates that the lithium-ion battery has reached the end of its service life. The service life differs according to how it is used and the environment in which it is used.



## Caution

---



**Inspect the unit periodically.**

Using the unit for a long time without inspection may occasionally cause fire, electric shock, or unexpected injuries due to damage.

This lighting device does not last forever. When the unit has been used for 5 years, even if it appears to be normal externally, its internal structure is deteriorating. If any problems are discovered during inspections, or if the unit has been used for 5 years, Kaneka recommends replacing it.



**Do not touch the unit while it is lit or immediately after it is turned off.**

The unit may be hot when lit or immediately after it has been turned off, and may cause burns.



**Do not install in any of the following locations.**

- In uneven locations
- In locations that are not level

Otherwise the product may fall over or fall down and cause unexpected injuries or property damage.



**When not using the unit for a long period of time, turn it off and unplug the adapter from the power outlet.**

In the unlikely event of malfunction, it may cause fire.

Furthermore if the adapter is left connected, the unit will still consume a small amount of power even when turned off.



**Do not use organic solvents, or any alkaline, strong acidic, or chlorinated detergents when cleaning the unit.**

Otherwise this may weaken the unit, causing damage or electric shock. Or, discoloration may occur.

Clean with a soft dry cloth.

For stubborn stains, gently wipe the stained area with a well wrung soft cloth moistened with diluted neutral detergent, and then finish with a soft dry cloth.



**Do not directly touch the connectors and other metal terminals.**

Otherwise this may cause malfunction.



# IMPORTANT SAFETY INSTRUCTIONS-SAVE THESE INSTRUCTIONS

## DANGER-TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS

If the shape of the plug does not fit the power outlet, use an attachment plug adaptor of the proper configuration for the power outlet.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### FCC CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **Other cautions**

---

- Do not rub the unit strongly. Because the light-emitting section uses transparent plastic, rubbing it strongly may result in scratches.
- Do not use in a location exposed to ultraviolet light such as outdoors. The unit deteriorates faster than normal due to ultraviolet rays.
- Follow municipal regulations when disposing of the unit. The unit is incombustible.

# 1

## Checking the Unit and Accessories

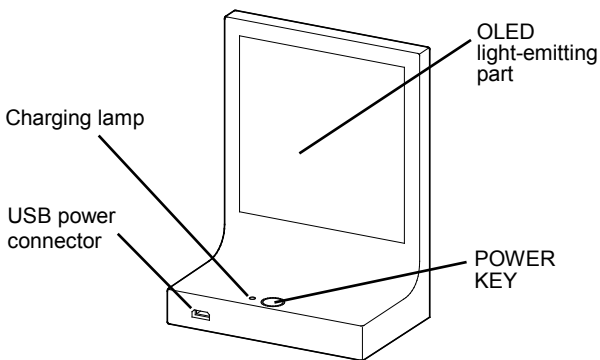
Use the following table to check that all necessary items are included in the package. Contact Kaneka or the dealer if any of them are missing or damaged.

Name	Quantity
The unit	1
USB AC adapter (Model name: UBX305-0510)	1
USB charging cable (standard USB-micro USB)	1
Instruction Manual (this manual)	1

## 2

## Part Names

### Front of the Unit

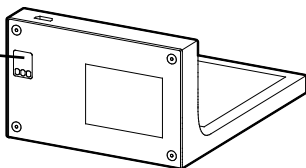


#### NOTE

- The charging lamp lights up while charging, and turns off when fully charged.
- The charging lamp flashes when the remaining battery charge becomes low during use. Charge the battery by connecting the unit to a power outlet.

## Bottom of the Unit

KANEKA  
LUCE F2  
connection  
terminal



### NOTE

The KANEKA LUCE F2 connection terminal is used when the unit is inserted into the separately sold KANEKA LUCE F2. It is not used when just using KANEKA LUCE T1.

### CAUTION

Do not directly touch the KANEKA LUCE F2 connection terminal with your finger or metal objects. Otherwise this may cause malfunction.

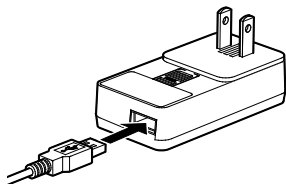
# 3

## Charging/Installing the Unit

### Charging the Unit

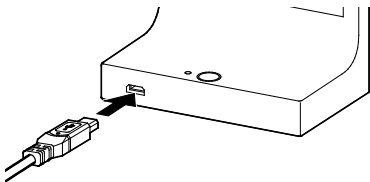
- 1 **Connect the USB charging cable plug (standard USB) to the USB connector on the USB AC adapter**

Check that it is the right shape and that it is oriented correctly when connecting it.

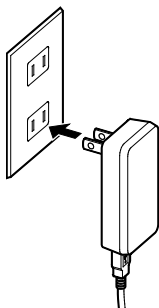


- 2 **Connect the USB charging cable plug (micro USB) into the USB power connector on the unit**

Check that it is the right shape and that it is oriented correctly when connecting it.



**3 Plug the USB AC adapter into the power outlet**



The charging lamp on the unit will light up and the battery will start charging.

The unit is fully charged when the charging lamp turns off.



- The product can be used while it is charging.
- It can also be charged by inserting it into the separately sold KANEKA LUCE F2. Refer to the KANEKA LUCE F2 instruction manual for more details.



## Installing the Unit



### Caution

---



**Do not install in any of the following locations.**

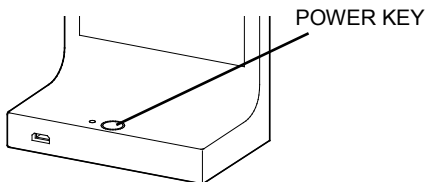
- In uneven locations
- In locations that are not level

Otherwise the product may fall over or fall down and cause unexpected injuries or property damage.

- Temperature: 5°C to 35°C. Humidity: 85% or below (no condensation)
- When using the unit while it is connected to a power source and charging, place the USB charging cable so that it will not be pulled and cause the unit to fall over or fall down.

## 4 Operating the Unit

The POWER KEY on the unit can be used to turn the light on/off and adjust the brightness.

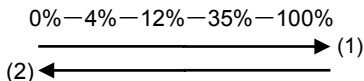


### •Turn the unit on/off

<b>Turn on</b>	Press the POWER KEY.
<b>Turn off</b>	Hold down the POWER KEY for at least 2 seconds to turn off the unit regardless of the current brightness setting. When the unit is turned on again it will be at the brightness setting used before it was turned off.

## ●Adjust brightness

The POWER KEY can be used to adjust the brightness. When the POWER KEY is pressed the way the brightness changes differs according to the current status of the unit.



- From 0% the brightness will change in the direction of (1) each time the POWER KEY is pressed (it will become brighter). When it reaches 100% the brightness will change in the opposite direction towards (2) (it will become darker).
- When turned on after being turned off, or when 60 seconds have passed since the last operation, the brightness will change in the direction of (2).
- Operation when the brightness is 4% differs from other brightness levels.

When the light is turned off at 4% brightness, it will change in the direction of (1) after it is turned on. Furthermore, even if 60 seconds pass when at 4% brightness it will continue to change in the same direction.

Example 1: At 0% brightness pressing the POWER KEY three times without leaving a gap of 60 seconds or more will turn the light to 35% brightness.

Example 2: After operating as shown in example 1, pressing the POWER KEY after a gap of 60 seconds or more will turn the light to 12% brightness.

## 5 Cleaning

Before cleaning the unit, turn off the power and then check that the temperature of the light emitting part and surrounding parts has dropped.

- Do not wash the unit with water.
- Do not polish the metal parts of the unit with cleanser or a scrubbing brush. Otherwise this may cause scratches or corrosion.
- Wipe the unit with a dry, soft cloth. Or, gently wipe off the stained area with a well wrung soft cloth moistened with diluted neutral detergent.
- Do not use alkaline, weakly acidic, or chlorinated detergents; thinner; organic solvents such as benzene; or insecticide, etc. when cleaning the unit.

## 6 Troubleshooting

Problem	Possible cause	Solution
The unit does not light (when using a battery)	The battery is not charged	<ul style="list-style-type: none"> <li>• Charge the battery and try again</li> <li>• Use the USB AC adapter and the USB charging cable to connect to a power outlet and use the product</li> </ul>
The unit does not light (when connected to a power outlet)	The battery is not charged and the USB adapter is not connected	<ul style="list-style-type: none"> <li>• Plug the USB AC adapter into the power outlet</li> </ul>
	The battery is not charged and the USB charging cable is not connected	<ul style="list-style-type: none"> <li>• Connect the USB charging cable to the unit</li> <li>• Connect the USB charging cable to the USB AC adapter</li> </ul>
The time the unit stays lit for when using a battery has become shorter	The lithium-ion battery used in the unit has reached the end of its service life	<ul style="list-style-type: none"> <li>• Replace the battery ("Replacing the Battery" (→p. 23))</li> </ul>

## 7

## Product Specifications

## Specifications

## ●Unit

<b>Power</b>	Internal battery* <sup>1</sup> (lithium-ion 2500 mAh), or USB AC adapter (input 100-240 Vac, 60 Hz common, output 5 VDC/1 A)
<b>Battery continuous use time (when fully charged)</b>	Approx. 5 hours (at 100% brightness)
<b>Battery charge time*<sup>2</sup></b>	Approx. 7 hours
<b>Power consumption</b>	Approx. 2 W
<b>Unit dimensions</b>	95 mm (W) x 123 mm (H) x 60 mm (D) (3 $\frac{47}{64}$ in (W) x 4 $\frac{27}{32}$ in (H) x 2 $\frac{23}{64}$ in (D))
<b>Unit weight</b>	300 g(10.6 oz) (including the internal battery)

\*1: Do not replace or remove the internal battery yourself.

\*2: When using the supplied USB AC adapter or when charged by inserting the unit into KANEKA LUCE F2.

# 8

## Warranty and After-sales Service

### Warranty and After-sales Service

Ask the dealer about the warranty, how to use the unit, and after-sales service such as cleaning or repairs.

KANEKA LUCE T1-WH/BK/BZ/MS Instruction Manual  
Document No. OBK-710-501/001  
First edition, March 2017  
Printed in Japan

© Kaneka Corporation 2017

Duplication or modification of this content without permission from  
Kaneka Corporation is prohibited.

KANEKA CORPORATION  
OLED Business Development Project  
1-12-32, Akasaka, Minato-ku, Tokyo, 107-6028, Japan  
TEL +81-3-5574-8009 FAX +81-3-5574-6161  
email oled-market@kaneka.co.jp