

# Attention

## ■ About Lifetime

Our definition of LED lifetime is when 'the brightness becomes 70% of its original brightness' based on the theory which was decided on July 2005 by Japan Luminaires Association. Luci calculates the lifetime based on brightness data, current data and so on.

Please understand that this is planned lifetime and it may differ depending on how the products are used.

## ■ Optical data

Specification may be subject to change without announcement.

The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

The calculation of "Luminaire efficacy (lm/W)" indicated in this catalog is "Luminaire efficacy (lm/W) = Total luminous flux (measured value) ÷ Power consumption (designed value)".

The "Light source color" indicated in this catalog and specification are the color code of the LED package, not the color temperature of the finished product.

Please contact us for further information of the CCT and CRI tolerance for each products.

## ■ LED Dimming and noise

When the dimming level is low, the following symptoms may be observed.

- LED doesn't turn on
- LED goes off for the sudden electricity decrease.
- Each LED may turn off at separate times when they are controlled by 1 dimmer.
- When connecting the dimmer driver with power supply, unpredicted noise might occur. It is a characteristic of electronic devices, not a malfunction of the LED fixture. Please choose an appropriate power supply and consider a place to install. Reducing the loading factor of LED fixture might improve the noise from the power supply while the noise for the LED fixtures might be improved by splitting the circuit of LED fixtures into multiple.

## ■ Effect of sulfur on LED

Please note that color temperature change, color unevenness, and illuminance reduction can occur due to the influence of sulfur even when used indoors. Some foods, chemicals, car exhaust gas contain sulfur ingredients.

## ■ Maintenance and Inspection

LED fixture has a life span. Degradation occurs inside after 8-10 years of installation even when the fixture looks fine from the outside. Parts of the LED fixture degrade due to heat when the light is on for a long time. This causes not only safety issues, but also reduces power efficiency and it is recommended to have regular maintenance and inspection.

Cleaning and inspection should be performed at least once every 6 months. Inspection by a specialist, such as a product contractor, should be performed at least once every 3 years.

If the LED fixture is used for a long time without having an inspection, there is a small possibility that it could lead to flaming, igniting, electric shock and the like.

### Inspection Methods

1. Is LED operating normally?
2. Is there any unusual smell, sound or heat?
3. Are there any cracks, splits, or detached parts on any parts or joints?

### Cleaning Methods

1. Lightly wipe the LED fixture with a soft cloth.
2. To best clean the LED fixture, wipe dirt with a soft cloth which has been soaked in a neutral detergent diluted with water and wrung firmly. To finish off, wipe it with a damp cloth and dry it.

## ■ Operating temperature

Unless otherwise stated in the user's manual or specification sheet, use the product at ambient temperatures between 0-35°C for indoor usage. For outdoor products, refer to the specification sheet and instruction manual since the operating ambient temperature varies depending on the product.

When temperature is higher than the data stated in the specification page, the lighting fixture may cause failure or malfunction.

## ■ Safety of power supply usage

Ensure appropriate installation in accordance with the user's manual of the power supply. Do not use an indoor power supply in outdoors, since it may cause damage, electric shock, smoking, and fires.

When installing in a ceiling, ensure easy access for checkups.

There are also other regulations for power supply installation, and therefore installation work should follow the electric facility construction standards of each country.

## ■ For safe use of the controller/driver

- Effect on radio

When radio reception is weak, the product may cause noise.

In such cases, keep the product away from the radio, or use an outside antenna.

- Effect on audio/video signal

Audio/video signals such as those from broadcast facilities are weak, and may be affected by electromagnetic waves from the product.

Use shielded wire for audio/video signals, or keep adequate distance from a signal wire to a power wire.

- Effect on medical devices

Effects may occur depending on site environment, type of medical device, and noise-resistant properties of some device. Please do not use where you have concern on this issue.

## ■ Notes for purchase

For product improvement, the specifications, appearance, and price are subject to change without prior notice.

Consumption tax is not included in the price.

For further detail conditions and terms for purchasing and warranty, please contact Luci sales.

## ■ Cautions

Please make sure to use correct power supply which match the input voltage written in manual. Otherwise, it may cause damage or fire.

When the product is installed or removed, please make sure the power already turned off.

Do not modify the product. It may cause damage, electrify, or fire.

## Product Warranty

### Warranty period

There shall be a warranty period for the products sold by BUYER by LUCI, which shall be for a period of the following period from the date issued the packing list to BUYER by LUCI.

Three (3) years:

Creide® lens/F: LCEL/LCEF-\*(2)-\*(4)-DF-I

Flat FLEX F Indoor/IP65: LFTF\*(1)-T\*(2)\*(3)-\*(4)-\*(5)-\*(6)

FLEX α F Indoor/IP65: LFXF10-T\*(2)\*(3)-\*(4)-\*(5)-\*(6)

nano line: LNL-\*(2)-\*(4)-DF-I

Power FLEX EX Indoor/IP65: LFPEX\*(1)-T\*(2)\*(3)-\*(4)-CL-\*(6)-\*(7)

Power FLEX Indoor/IP65: LFP\*(1)-T\*(2)\*(3)-\*(4)-\*(5)-\*(6)

Power FLEX Spect C: LFPSC20-1000-\*(4)-CL-\*(6)-I

Power FLEX THOF®: LFPHT20-T\*(2)\*(3)-\*(4)-CL-I

Power FLEX α: LFPA20-0960-\*(4)-CL-I

RECTA: LRE-\*(2)-\*(4)-DF-I

silux® K: LSXK-\*(2)-\*(4)-DF-I-\*(7)

silux® wide K: LSXWK-\*(2)-\*(4)-DF-I-\*(7)

THOF: LTH-\*(2)\*(4)-DF-I

Vivoxy Graze: LVV50-\*(2)-\*(4)-SP-I

Vivoxy Graze THOF: LVVTH50-\*(2)-\*(4)-SP-I

Two (2) years:

EFRO IP65: LRO-\*(2)-\*(4)-DF-IW

LEDs Bar IP65: L-ELS7K1-\*(2)\*(3)\*(4)-24C

LEDs Line IP67: L-ELR9K2-\*(2)\*(3)\*(4)M-24

Power LEDs Line IP65: L-ELA9K2-\*(2)\*(3)\*(4)N-24C-P

UQ FLEX Indoor/IP67: LFU-T\*(2)\*(3)-\*(4)-DF-\*(6)-\*(7)

UQ FLEX α Indoor/IP67: LFUA-T\*(2)\*(3)-\*(4)-DF-\*(6)-\*(7)

Vivoxy FLEX IP67: LVF-\*(2)\*(3)-\*(4)-\*(8)-O-\*(7)-\*(9)

One (1) year:

UQ Sauna IP67: LFUS-T\*(2)\*(3)-\*(4)-DF-\*(6)-\*(7)

Note: \*(1) LED pitch \*(2) Length \*(3) Lead wire specifications \*(4) Light source color \*(5) Tube type or Cover type \*(6) Environment \*(7) Power consumption \*(8) Beam angle \*(9) Body color

### Warranty detail

When there is a product defect during the warranty period despite being installed according to instruction manuals, we replace the product or repair the product. Luci will not bear any cost of construction work related to recalling and replacing.

If the usage time per day exceeds for more than 20 hours, the warranty period is half of the period mentioned above.

## Disclaimer

In the cases below, the repair or the replacement of our Products are not free of charge.

1. Consumable goods, consumable parts, etc
2. Failure or damage due to misuse, unwarranted repairs or modifications
3. Failure or damage due to dropping, falling over, impacts and mishandling during shipping, storing or after delivery
4. Failure or damage due to fire, salt damage, gas damage (corrosive gas, combustible gas, etc.), organic solvents such as paint liquid, earthquake, storm and flood damage, lightning damage, abnormal voltage or other natural disasters
5. Failure or damage due to unsatisfactory constructions
6. Failure or damage by using an inappropriate power source
7. Failure and damage when using inappropriate power supply and LED driver
8. Failure including luminare, colour hue and colour temperature deterioration or yellowed main body due to aging or dirtiness
9. Failure or damage when the parts where connected to a power source or the connectors of the terminals are not insulated
10. "Failure and damage caused by rats, dogs, cats or other animals or insects"
11. Failure or damage when used in an installed environment or condition which is not advised or prohibited in the instruction manual of each product
12. Failure or damage when lead wire connected parts are not waterproofed properly for outside use
13. Failure or damage when product is altered except for cutting strip light for indoor usage
14. No warranty document
15. Some items in this warranty document are blank or words are rewritten
16. "Compensation for business loss, compensation or the like for indirect costs due to failure or damage of the product"
17. Failure or damage due to lack of maintenance work
18. Failure or damage caused by causes other than those mentioned above which cannot be attributed to Luci.

We shall not cover any indirect operation responsibility and remedy responsibility for the product damage or failure.