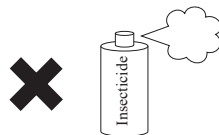


Repair & Maintenance

Please make sure that the power supply has been disconnected to avoid electric shock accidents.

- In order to use this product safely and efficiently, please clean and check it once every 6 months. Long-term use without checking may lead to fire, electric shock, lighting fixture falling, and other accidents.
- During operation, the lighting fixture may reach a high temperature on the surface, and it should be cooled down for at least 10 minutes before handling.
- When the lighting fixture needs to be cleaned, wipe it with soft cloth dipped in neutral detergent, and then wipe it with dry cloth. Do not clean the lighting fixture with sharp objects.
- Do not wipe the lighting fixture with detergents other than neutral detergents or organic solvents. Avoid the problems of change in, deterioration and strength reduction of or damage to the lighting fixture.



Specification Table

Model	Rated voltage Frequency	Rated current	Rated power	Power factor (COS ϕ)
NFV30301GE1A	220V-240V~ 50/60Hz	0.08A	18W (2×(40×0.2W/LED Module))	0.95
NFV30304GE1A		0.16A	36W (2×(88×0.2W/LED Module))	0.95
NFV30307GE1A		0.25A	54W (2×(88×0.3W/LED Module))	0.95

Name and Content of Hazardous Substances in the Product

Name of parts	Hazardous substances					
	Lead (Pb)	Mercury (Hg)	Mercury (Hg)	Hexavalent Chromium (Cr(VI))	Polybromi- nated Biphenyl (PBB)	Polybrominated Diphenyl Ethers (PBDE)
LED module	○	○	○	○	○	○
LED control unit	×	○	○	○	○	○
Lighting fixture body assembly	○	○	○	○	○	○
Lampshade assembly	○	○	○	○	○	○
Frame assembly	○	○	○	○	○	○

This Table is prepared according to SJ/T 11364.

○: indicating that the content of the hazardous substance in all homogeneous materials of the part is below the limit specified in GB/T 26572.

×: indicating that the content of the hazardous substance in at least one homogeneous material of the part exceeds the limit specified in GB/T 26572.

However, for the case where x is displayed, Panasonic has adopted the allowable exemption index according to EU RoHS such that the indices comply with EU RoHS.

Executive standard: GB 7000.1, GB 7000.201, GB/T 17743, GB 17625.1

※ Please refer to the actual lighting fixture for the style and color.

※ Subject to change without prior notice.



Panasonic Manufacturing (Beijing) Co., Ltd.
Place of origin: China

Address: No. 1 Tongji North Road, Beijing Economic
and Technological Development Zone, Beijing
Postal Code: 100176
Tel: (010) 67882438

Panasonic®

User Instructions

Fixed Lighting Fixture

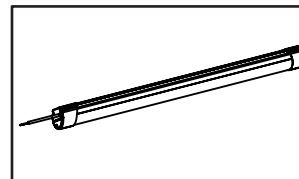


Follow Panasonic Building
Materials for more
information such as the
content of the Instructions.

Model

(Please refer to the Specification Table)

IP65
Indoor use only



Dear Users

Thank you for purchasing our products.

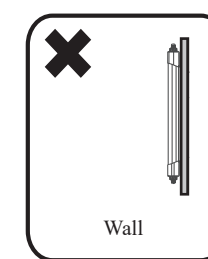
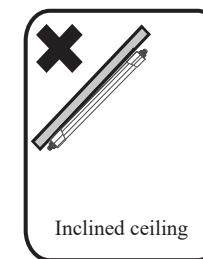
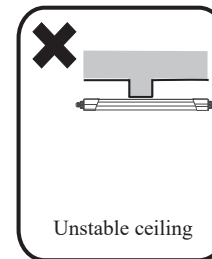
Please read the User Instructions carefully for correct use. Please make sure to keep it properly.

Safety Precautions

Please be sure to observe the following.

Warning

- During construction, please mount the lighting fixture in strict accordance with the Instructions. Improper mounting will cause accidents such as falling, electric shock and fire.
- Please do not install the lighting fixture in the places indicated in the figure below:
1. Unstable ceiling. 2. Inclined ceiling. 3. Wall
- Do not modify this lighting fixture or replace its parts to avoid falling, electric shock, fire and other accidents.
- During the installation process, please do not apply excessive force to the lampshade. If the lampshade is broken, please stop using it immediately and notify the seller.
- The voltage used must be within the specified values (rated voltage 220V-240V~, frequency 50/60Hz). Avoid causing accidents such as electric shock and fire.
- The lighting fixture is a waterproof lighting fixture for indoor use (IP level is IP65), please avoid direct sunlight; it is forbidden to use it in high temperature, acid and alkaline environment.
- When the user is connected to the power supply, the IP level of the wiring terminal should not be lower than IP65, and the wiring terminal should have measures to avoid stress. The wiring terminals used are purchased by the user.
- The external conductor of the lighting fixture cannot be replaced. If the flexible cord is damaged accidentally, please stop using it immediately and inform the seller.
- In case of any abnormality other than the above, please stop using the lighting fixture immediately and notify the seller.
- Please do not add lighting controllers, luminance adjusting switches, or other types of dimmers; otherwise a fire might be caused.
- The product needs to be installed by a professional.



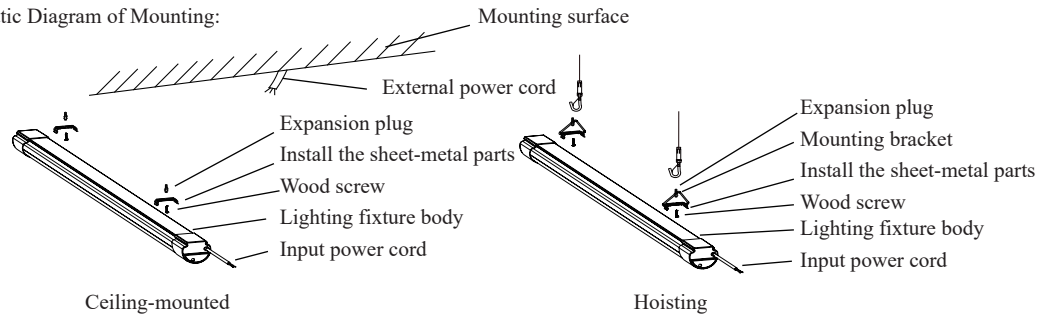
! Note

- Please remove the package and accessories before mounting.
Before mounting, in order to prevent fire, please make sure that all packaging accessories and adhesive tapes have been removed from the lighting fixture.
- Please do not mount the lighting fixture on any high-temperature object or put any high-temperature object at a side of the lighting fixture.
- Please do not install above the furnace, gas and exhaust tube so as to avoid fire and other accidents.
- To ensure safety, please entrust a qualified electrician to operate during the maintenance and checking of the lighting fixture.
Maintenance by non-professional persons is prone to be dangerous.
- The light source inside the lamp cannot be replaced. When the service life of the light source ends, the entire lamp should be replaced.
Avoid causing accidents such as electric shock and fire.
- Please do not use dimming equipment, such as a lighting controller and brightness controller, to avoid fire and other accidents.
- Do not touch the light source when the lighting fixture is on or within 10 minutes after turnoff to avoid scald caused by overheating of the light source.
- When the lighting fixture is turned on or just after it is turned off, due to the expansion and contraction of the plastic piece of the lighting fixture, there may be slight noise. This is a normal phenomenon, not a fault.
- Ambient temperature: $t_a 30^{\circ}\text{C}$

Name and Mounting Method of Each Part

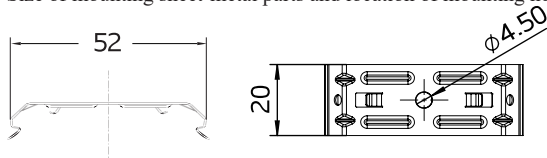
Make sure to cut off the power supply before mounting to prevent electric shock.

Schematic Diagram of Mounting:



Preparation Before Mounting

- Open the package, take out the lighting fixture, and check whether it is in good condition.
- In order to avoid fire and other accidents, please make sure that all packaging materials and accessories have been removed from the lighting fixtures before mounting.
- Please confirm that the mounting strength of the ceiling can bear the weight of the lighting fixture.
- Size of mounting sheet-metal parts and location of mounting holes for lighting fixture: (unit: mm)

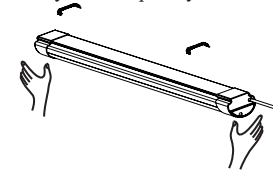


Model	Lighting fixture length	Fixed sheet-metal parts spacing
NFV30301GE	600mm	300mm
NFV30304GE	1200mm	900mm
NFV30307GE	1200mm	900mm

Installation of the lighting fixture

- Take out the lighting fixture mounting sheet-metal parts and screws from the packaging bag (2 wood screws, 2 expansion rubber plugs, 2 mounting sheet-metal parts, 2 mounting brackets)

- Drill suitable mounting holes in the ceiling, and make sure that the distance between the two sheet-metal parts is slightly less than the length of the lighting fixture body. Then nail the expansion rubber plug, screw it into the expansion rubber plug through the mounting hole in the mounting hanging board, and then tighten the screws with a screwdriver to fix the installation hanging board. (In case of wooden ceiling, install the mounting sheet-metal part directly onto a stable site of the ceiling using wood screws of corresponding specifications.)
※ If the lighting fixture is not mounted firm, it may fall and be damaged.
※ As shown in the Specification Table, the distance between the two sheet-metal parts must be ensured:
- Grasp the two ends of the lighting fixture body with both hands, one end is stuck in first, and the other end is pressed in. Be careful not to squeeze the lampshade of the lighting fixture, and ensure that both ends of the bottom shell of the lighting fixture body are completely stuck into the two mounting sheet-metal parts.



- Disassembly of the lighting fixture
When disassembling the lighting fixture, cut off the power first, use a flat-blade screwdriver to gently pry the two sides of the mounting sheet-metal parts outward, and take out the lighting fixture downward.



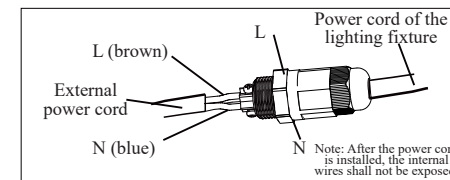
Connection of the Power Cord

- ※ To ensure safety, please cut off the power supply before connecting the external power cord.
- The power cord is fixed with a cable tie and a hanging chain, and is connected with a waterproof connector to avoid damage caused by the power cord touching the lighting fixture body.
- It is recommended to use IP65 waterproof connector as shown in the following figure for wiring. (Waterproof connector shall be purchased separately)
※ Purchase a waterproof connector that meets the specifications of the lighting fixture power cord.



Please connect the external power cord to the waterproof connector correctly according to the wiring sign on the waterproof connector.

- ※ ① After connection, the brown and blue wires shall not expose out of the housing of the waterproof connector.
- ② The waterproof connector cannot be placed on the lighting fixture.
- ③ In order to ensure safety, please connect the ground wire first.
- ④ Arrange the power cord after installation.
- ※ Improper connection will easily lead to fire, electric shock and other accidents.



Specification of lighting fixture power cord: 38mm

Wire diameter $2 \times 1.0\text{mm}^2$
L: brown wire
N: blue wire

