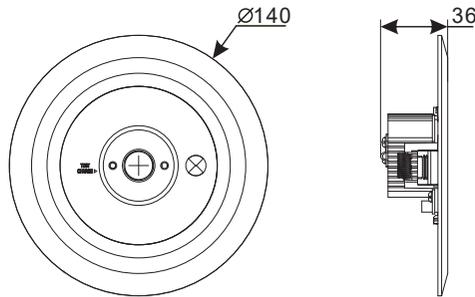




EMERGENCY DOWN LIGHT



Warning:

Please read through all following instructions before installing the unit. If any doubt about correct installation, please consult a qualified electrician.

Technical data:

Model name	FRN-Z1102U
Rated voltage	220-240V~50/60Hz
Operating mode	Maintained/ Non-maintained
Rated wattage	5W
Led	3535
Correlated Color Temperature	5700-7200K
Luminance Flux	≥250lm
Emergency Luminance Flux	≥250lm
Battery	LiFePo4 3.2V /3000mAh
Charge	16H
Discharge duration	3H
Power factor	≥0.4
Operating temp range	0°C~40°C
Weight	0.29KG
Warranty	3 years
Remark	Electric shock protection class:II External light protection class: IP20 Powercord:H03RN-F-0.5mm ²

Suitable for mounting on normally flammable surface

Green LED indicator indicates battery charging mode Safety and performance in accordance with EN55015, EN61347, EN60598-1, EN60598-2-22, AS60598.2.22 EN61000-3-2, EN61000-3-3 Suitable for indoor use, wall mounted if the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

The battery is non-replaceable.

Illustration:

1. This luminaire is an embedded ceiling light with a hole size of $\varnothing 60\text{-}\varnothing 70\text{mm}$
2. The luminaire can choose whether to use the decorative panel according to the user's needs. If the decorative panel is not needed, it can be rotated and removed without affecting the normal installation.
3. When installing the luminaire, the user can select whether the battery and the driving power supply are fixed according to the needs (with screws and expansion)
4. This luminaire can choose whether to connect external continuous and non-continuous function switch according to user needs. The default is continuous type.
5. This lamp has self-test function, please refer to "TESTING" requirements and steps.

Installation

The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

1. Opening as required: 60-70mm (see FIG2)
2. Wiring as required (see table1 & FIG1)
3. Place the battery and drive power supply in appropriate positions as required, and embed the lamp into the top surface
4. Indicator light: under the state of power supply, the battery is charged with green light, the battery is full with green light, and the red light is flashing when the battery fails. (see table2)
5. In the emergency state, long pressing the test button can turn off the emergency function.
6. Refer to the requirements and steps of "TESTING" for specific information

Testing:

The emergency lighting must be inspected and tested regularly in accordance with local codes of practice. Note: for safety reasons tests should be carried out during day light hours.

The testing should be doing in an dry environment and did by a qualified person.

Move the plastic diffuser, press the test button to simulate failure of mains power, the emergency light should be on and driven by battery The minimum recommended test schedule is as follows: After installation allow 36 hours to ensure full battery charge and then interrupt the supply: check after 3 hours that tube is still lighting.

1. Manual test: Press the test switch twice, the green and red indicator light is on, the luminaire is transferred to the analog monthly inspection emergency function, and the main power status is automatically restored after the emergency time is not less than 30 seconds; press the test switch three times, the green and red indicator light flashes. The luminaire is transferred to the simulated semi-annual inspection (180 days) emergency function to discharge termination, and the main power state is automatically restored after the emergency time is not less than 30 minutes. (If the emergency does not reach the emergency time or the emergency red indicator light is flashing, report the fault) (see table 3)

2. Automatic test: The luminaire is transferred to the simulation monthly inspection emergency function. The green and red indicator light is on, and the emergency time is not less than 30 seconds. The main power status is automatically restored. The and red indicator light flashes. The emergency function is terminated by the discharge, and the main power state is automatically restored after the emergency time is not less than 30 minutes. (If the emergency does not reach the emergency time or the emergency red indicator light is flashing, report the fault.)

3. Emergency shutdown: Under normal emergency conditions, the luminaire can be turned off by pressing the test switch for 3-5 seconds.

Table1

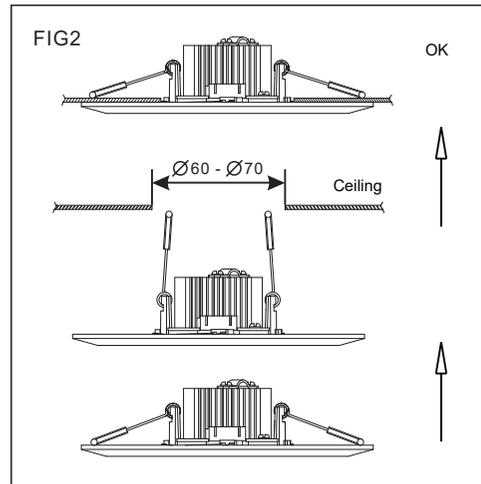
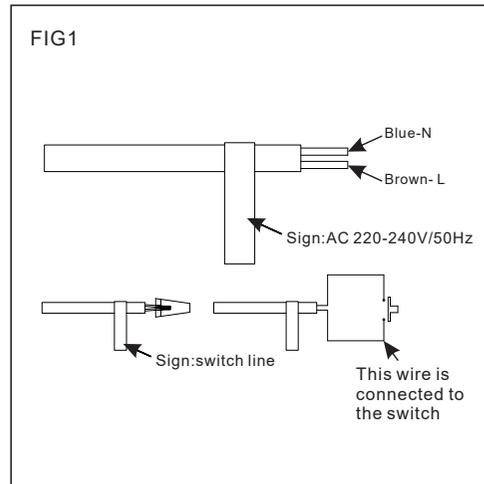
Line		Illustrate
AC	L	Brown connect "L"
	N	Blue connect "N"
Switch	With terminal on the top	If necessary, please unscrew the terminal and connect the line to the switch to control the AC lighting. This function does not affect the emergency and battery charging. The default is the mains light. See fig 1

Table2

Indicator	Color	Green flash	Green	Red
	Status	Battery charging	Battery Fully charged	Battery failure

Table3

Test switch	Indicator	
Times of presses	Indicator status	Test function
2 times	Red and Green Light on	Monthly Test
3 times	Red and Green Flashing	Annual Test



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

For non-user replaceable light sources:
The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

IP20 CE SAA CB

