

**SELF CONTAINED EMERGENCY LIGHT  
SERIE SIRAH S V2 AT ECO LED**



**Characteristics:**

- Supply 230V~ 50/60Hz.
- Power: 0,8W with discharged battery.
- Maintained or non-maintained.
- Test button incorporated and Telemando (optional supplied on demand).
- Self-test. Automatic and manual verification test (by button or Telemando).
- Green LED indicates correct operation of the equipment and battery charging (Left LED).
- Red LED indicates failure (Right LED).
- Intelligent control of battery charge: 2 load levels (Full load and maintenance charge).
- Battery Ni-Cd.
- Protection end of Battery Discharge.
- Battery charging: 24 hours.
- PCB LED 2835 white, high luminosity, working life > 50000 hours.
- Colour temperature 6000K - 7000K.
- White Opal diffuser.
- Grade IP42 / IP65 depending on the model.
- Connection via Ø6 or Ø8 mm cable (IP42 model).
- Connection via PVC pipe Ø16 or Ø20mm (IP65 model).
- Class II luminary.
- Dimensions: 261x124x56mm (models IP42) and 271x146x75mm (models IP65).
- CE marked as per directives 2014/35/UE and 2014/30/UE of EMC.
- Manufactured according to norms UNE-EN 60598-2-22.

IP42 models	IP65 models	Emergency lamp	Battery Ni-Cd	Autonomy	φ Luminous flux Lumen
S-75 V2 AT ECO LED	ES-75 V2 AT ECO LED	PCB 12 LED 2835	1.2V 0.9-1Ah	1 hour	75
S-100 V2 AT ECO LED	ES-100 V2 AT ECO LED	PCB 12 LED 2835	1.2V 0.9-1Ah	1 hour	100
S-150 V2 AT ECO LED	ES-150 V2 AT ECO LED	PCB 24 LED 2835	3.6V 0.8-1Ah	1 hour	150
S-200 V2 AT ECO LED	ES-200 V2 AT ECO LED	PCB 24 LED 2835	3.6V 0.8-1Ah	1 hour	230
S-300 V2 AT ECO LED	ES-300 V2 AT ECO LED	PCB 24 LED 2835	3.6V 1.2Ah	1 hour	300
S-400 V2 AT ECO LED	ES-400 V2 AT ECO LED	PCB 24 LED 2835	3.6V 1.2Ah	1 hour	400
S-102 V2 AT ECO LED	ES-102 V2 AT ECO LED	PCB 24 LED 2835	3.6V 1.2Ah	2 hours	100
S-152 V2 AT ECO LED	ES-152 V2 AT ECO LED	PCB 24 LED 2835	3.6V 1.2Ah	2 hours	150
S-202 V2 AT ECO LED	ES-202 V2 AT ECO LED	PCB 24 LED 2835	3.6V 1.2Ah	2 hours	230
S-302 V2 AT ECO LED	ES-302 V2 AT ECO LED	PCB 24 LED 2835	3.6V 1.6Ah	2 hours	300
S-103 V2 AT ECO LED	ES-103 V2 AT ECO LED	PCB 24 LED 2835	3.6V 1.6Ah	3 hours	100
S-153 V2 AT ECO LED	ES-153 V2 AT ECO LED	PCB 24 LED 2835	3.6V 1.6Ah	3 hours	150
S-203 V2 AT ECO LED	ES-203 V2 AT ECO LED	PCB 24 LED 2835	3.6V 1.6Ah	3 hours	230

**Installation:**

- Switch off the main power.
- Make electrical connections and switch on the power.
- The Green LED go ON.
- The luminary will not respond to its autonomy till 1st 24 hours as the batteries are supplied discharged.

**Self-test:**

The equipment makes an automatic test of operation verifying the LED LAMP and the BATTERY.

- Monthly test (once a month for 30 sec.). Green LED blinking slowly.
- Annual test (once a year for 1 hour). Green LED blinking fast.

Test results:

1. GREEN LED ILLUMINATED: Power ON and status OK.
2. RED LED BLINKING FAST: LED lamp failure (Short-circuit LED or open circuit LED).
3. RED LED BLINKING SLOWLY: Battery failure (open battery or disconnected).
4. RED LED ILLUMINATED: Battery failure (defective or low battery, does not comply with autonomy).

RESET: Disconnect the battery some seconds to do a RESET and remove the fault alarm.

**Manual test verification:**

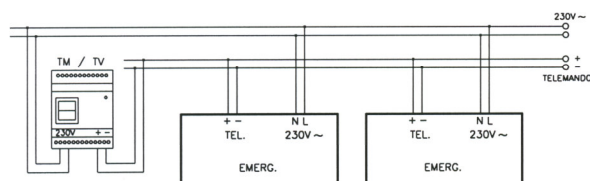
The equipment makes a manual test of operation when press the button Test or Telemando (press ON).

1. Pressing from 1 to 3 sec., simulates emergency operation (mains failure).
2. Pressing from 4 to 5 sec., run the monthly verification test.
3. Pressing from 6 to 7 sec., run the annual verification test.
4. In a main failure situation (emergency function) pressing more than 7 sec., LEDs go OFF.

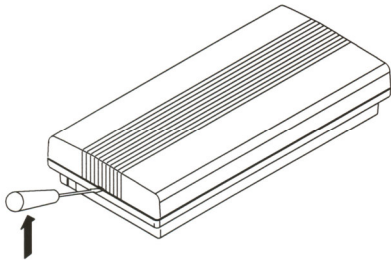
**Maintenance:**

- Before doing any maintenance operation, please make sure that the main supply is switched off.
- The batteries should be changed once their duration gets inferior to the assigned.
- The luminaries should be checked at least once a year.
- The batteries and LED PCB should be re-cycled or eliminated in an adequate way.

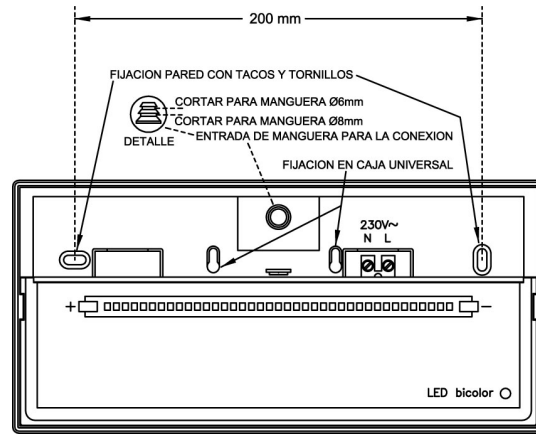
**Connection diagram:**



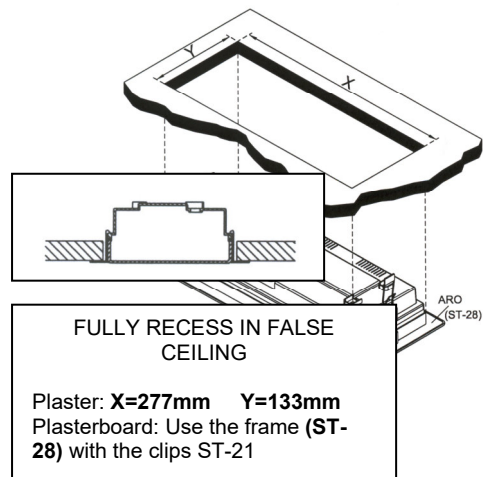
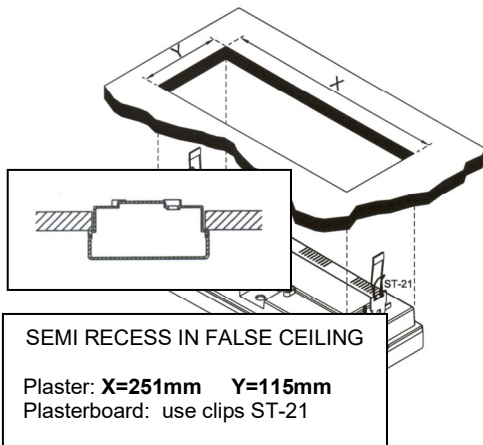
**IP42 models**



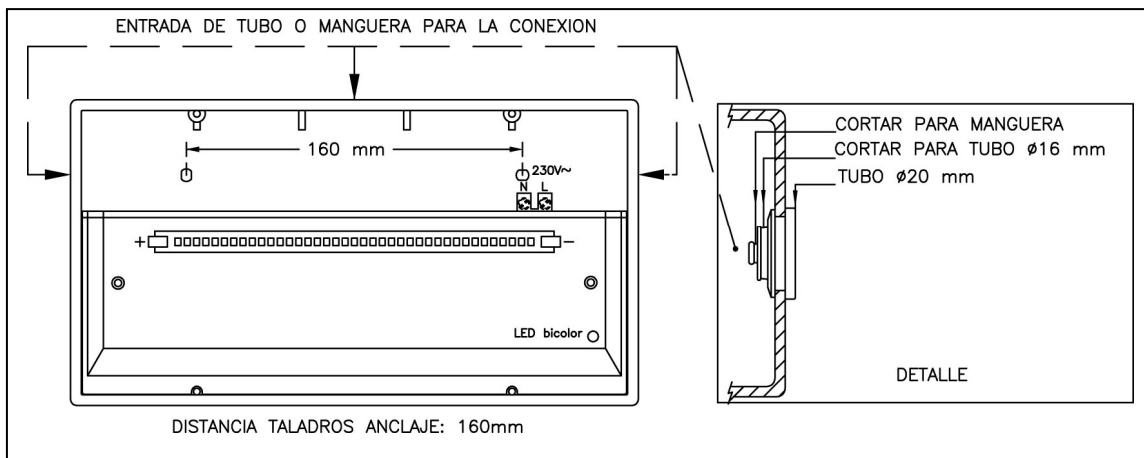
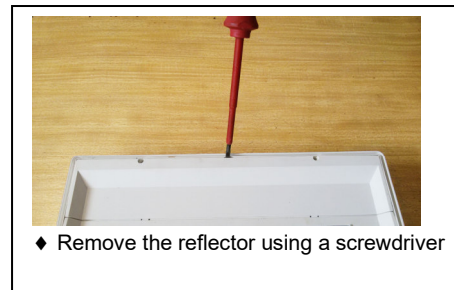
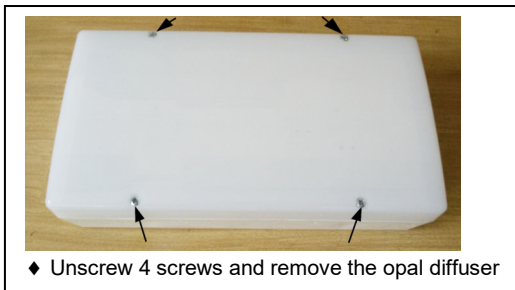
◆ Remove the cover by using a screwdriver lifting the cover upwards.



◆ Install, cut the rubber & pass the cable to make connections.



**IP65 models**



- ◆ Break the round area of the base and place the rubber hose for the entrance of the PVP pipe.
- ◆ Mount the emergency on the wall using the 2 screws supplied with rubber washer to maintain the IP65 grade.
- ◆ Connect the power supply cables (230V) to the terminal strip.
- ◆ Reassemble the opal diffuser with 4 screws.