

# LED Lamp

## for Solar Home System - 2.5W

Indoor application

## User Manual



### **AEH-LB02-U25W-BD**

LED Lamp for Solar Home System – 2.5W



## Dear Customer,

Thank you for purchasing Schneider Electric's LED Lamp for Solar Home System – 2.5W. Now you will be able to illuminate your home with energy efficient LED Lamp. With light output equivalent to 7W CFL this is an ideal lamp for entire family.

Schneider Electric's LED Lamp for Solar Home System has been carefully designed, manufactured and factory tested to give you trouble free service. To get maximum benefits from your LED Lamp, please read the instructions in this manual carefully before use.

This user manual applies to the following product :

Product Reference Number	Product Description
AEH-LB02-U25W-BD	LED Lamp for Solar Home System – 2.5W

## **IMPORTANT NOTES**

### **How to use this Manual**

This manual explains how to install and operate the LED Lamp for Solar Home System – 2.5W

### **Product Safety**

- This product must not be used under inflammable environment.

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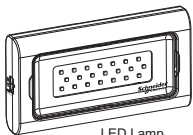
## INTRODUCTION

LED Lamp for Solar Home System - 2.5W is a highly reliable and energy efficient lamp for indoor application.

This LED Lamp is suitable for Solar Home System with 12 V solar charge controller and battery. The light output of the LED Lamp is equivalent to 7 W CFL and sufficient to illuminate a room of 10' x 10' size. It is designed to operate with same level of brightness from 10.8 – 20 V DC.

This LED Lamp can be fixed to the wall or mounted to the ceiling. It can be easily tied to the pole or hanged to the wall. An external switch needs to be connected in series with the LED Lamp and the solar charge controller to operate the lamp.

## PACKAGE CONTENTS



LED Lamp



DC Plug

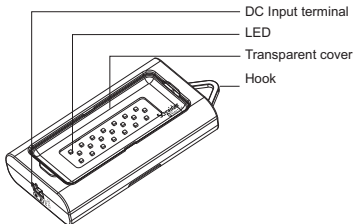


Strap



Screws - 2 Nos.  
M3.5 X 19 mm

## PARTS IDENTIFICATION



*LED – Light Emitting Diode*

## TECHNICAL SPECIFICATIONS

Product Reference Number	AEH-LB02-U25W-BD
<b>LED Lamp – 2.5W</b>	
Power consumption	2.5W
Input voltage	10.8 – 20 V DC
Efficiency of electronic circuit	Greater than 85 %
Maximum light output	Equivalent to 7W CFL
Color of LED's	White
Number of LED's	21
LED Life	50000 hours*
<b>Environment</b>	
Operating temperature	-10 to 55°C
Storage temperature	-10 to 55°C
Relative humidity	90%
Ingress protection	40

\*5.5 hours usage per day

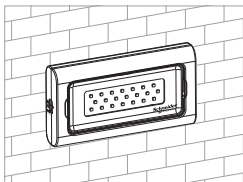
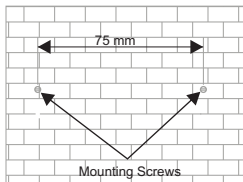


## INSTALLATION PROCEDURE

### 1. Mounting methods for LED Lamp

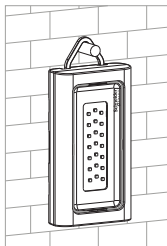
#### 1.1 Mount the LED Lamp on the wall.

Use the mounting screw template printed on the packing box of the lamp to drill the holes. Use the screws provided to fix the LED Lamp on the wall.



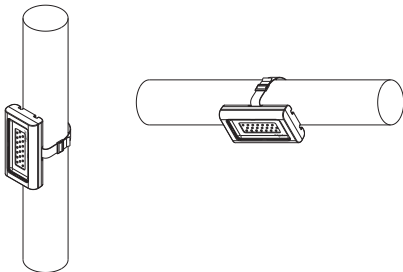
#### 1.2 Hang the LED Lamp on the wall

Use the hook provided with the lamp to hang the LED Lamp on the wall.



### 1.3 Tie the LED Lamp to the pole.

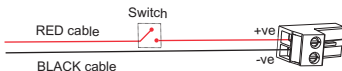
Use the strap provided inside the packing box of the lamp to tie the LED Lamp to the pole.



### 2. Prepare the cable assembly to connect LED Lamp to the solar charge controller.

Use 2 core, 1.5 mm<sup>2</sup> cable to connect the LED Lamp to the solar charge controller.

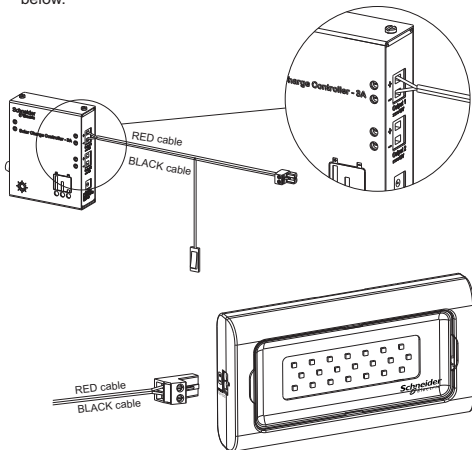
Connect one end of the BLACK cable to the -ve terminal and RED cable to the +ve terminal of the DC Plug through a switch as shown below.



### 3. Connect the LED Lamp to the solar charge controller.

Connect the other end of the BLACK cable to the -ve output terminal and RED cable to the +ve output terminal of the solar charge controller.

Connect the DC Plug to the input terminal of the LED Lamp as shown below.

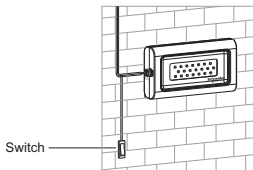


**Note 1 :** This lamp can be powered by Schneider Electric supplied solar charge controller or with any 12 V solar charge controller.

**Note 2 :** An external switch needs to be connected in series with the LED Lamp and the solar charge controller to operate the lamp.

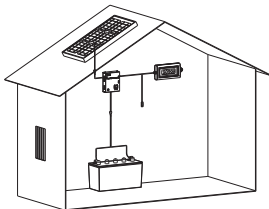
## OPERATION PROCEDURE

Ensure that the solar charge controller is powered from solar panel or battery. Switch ON the external switch to operate the LED Lamp.

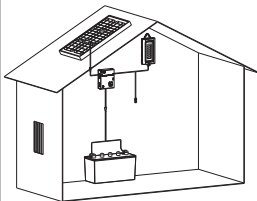


## TYPICAL INSTALLATION

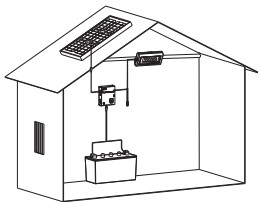
### 1. LED Lamp mounted on the wall



### 2. LED Lamp hanged on the wall



### 3. LED Lamp tied to the pole



## TROUBLESHOOTING

Symptom	Possible cause	Solution
Lamp is not glowing	Battery has reached the cut-off voltage	Charge the battery through solar charge controller.
	Cable from the LED Lamp to the solar charge controller is reverse connected	Ensure that the cable from the LED Lamp to the solar charge controller is connected with correct polarity. If not, reverse the connection.
If all the above are checked and still the problem exists, contact your local dealer.		

## WARRANTY TERMS AND CONDITIONS

The warranty card entitles the purchaser of AEH-LB02-U25W-BD to enjoy a warranty period of 3 years from the date of purchase.

This warranty is valid only for manufacturing defects and does not cover defects due to external damages such as the following:

- Improper usage, maintenance or modifications.
- Natural calamities such as fire, flood or other acts of God.
- Breakage of plastic components, including the product housing.

This warranty is made void if:

- The warranty void sticker is tampered or removed.
- The warranty card is misplaced.
- The product is opened and serviced by any person not authorized by Schneider Electric.

For parts replaced during servicing, only the remaining warranty period of the original product applies.

## WARRANTY CARD

This warranty is valid only if the card is filled in completely, signed and stamped by the dealer on the date of purchase.

WARRANTY CARD	
Models	AEH-LB02-U25W-BD
Serial Number	
Name of the Dealer/Supplier	
Address	
Date of Purchase	
Dealer's Signature and Stamp	

## CUSTOMER CARE CENTRE



In case of any queries related to the product, please contact your local dealer.

990-5558

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 **Electric**