

THANK YOU FOR YOUR PURCHASE
PLEASE READ THESE INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION / MAINTENANCE

SPECIFICATIONS

Output: 9-12v DC - Constant Voltage

Max Wattage: 30W

Max Cable Run: 20m

Sensor: Light / Charge Sensor

IP Rating: IP65

Battery Type: Lithium - LiFePO4 3.2v/42Ah (replaceable)

Battery Charge Time: 4-8 hrs full sunshine (approx.)

Max Illumination Time at Full Charge: Up to 12hrs

Solar Panel: 5v / 50W Monocrystalline Solar Panel – Grade A

Solar Panel Size: 540 x 510 x 25mm

Cable Length Supplied: 0.2m (approx.), 3m plug & play cable w/splitter (optional)

Materials: 6053 Aluminium, 304 Stainless Steel, Tempered Glass

Weight (excluding mount): 5KG (approx.)

Mounting: Free standing A-Frame (pegs), Surface Mounting Bracket (optional)

Remote Control: up to 3m range (infrared)

Function: Dusk to Dawn, 4hr, 6hr, 8hr, 10hr Timers, On/Off (NOTE: Mode / Dim NOT IN USE)

Memory Function: Yes (excludes OFF Override which only overrides 1 cycle)

Short Circuit Protection: Yes

Working Temperature: -25°C ~ 60°C

Included: Panel, Panel Mount, A-frame, Battery Box, Receiver, 8x M4 SS Bolts / Flat Washers / Lock Washers / Nuts, 11x M6 SS Bolts / Flat Washers / Lock Washers / Nuts, M3 Socket Wrench, M6 Socket Wrench, Twin Spanner, 4x Pegs, Remote Control, In-line Connector, Plug & Play Cable & Splitters (optional)



✓ **RoHS CE**



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5 YEAR
GUARANTEE
see website for
more details

! WARNINGS !

- If any component is found to be damaged, cease use immediately.
- Components may get warm whilst on for a period of time.
- Always take care when installing your solar panel.
- Fitting must be mounted in accordance with selected specialist mount and instructions.
- This Solar System will not charge correctly if the panel is behind glass or artificial light is used.
- Ensure all connections are fully fastened and secure with no damage or short circuit.
- Ensure the panel is fully secure when mounting: secure with pegs when freestanding / minimum 30mm M6 for wall mounting (out of head height). Anchor Bolts recommended where possible.

CLEANING & MAINTENANCE:

Occasional cleaning and care is recommended for this product. Wipe with a soft, slightly damp cloth to remove any surface dirt. To maintain efficiency, specifically clean the solar panel and receiver on a regular basis. Also, keep the solar panel free of debris and snow to prevent reduced battery life or malfunction. Do not use abrasive cleaners or a lot of water as this could damage the fitting. Please refer to our website for more information on the best way to clean different materials.

DISPOSAL / RECYCLING: Waste Electrical Products & Batteries should not be disposed of with household waste. Please check with your local authority or contact us for more information. Please recycle packaging.

Producer Registration Numbers: **WEE/KC3440XY / BPRN0843**

RETURNS:

If purchased from a 3rd party, please contact your supplier. If purchased direct, contact us by phone or email:

Lumena Lights Ltd, Centre 33 Long March, Daventry, NN11 4NR Tel: +44 1327 871161 Email:

Our full returns policy is available on our website.

INSTALLATION:

For best performance mount in a sunny position, avoiding shady areas and with no obstructions to the solar panel – south facing is recommended. Ensure there is no other lights which could interfere with the light, imitating daylight and forcing the light off.

1. Attach the panel mounting bar, with battery box attached, to the solar panel using the 4x M6 Bolts, lock washers, flat washers and nuts already attached to the 4 relevant mounting holes. Spanner and socket wrench provided.
2. Remove the 2x M6 Bolts, lock washers, flat washers and nuts from the side of the mounting bar.
3. Attach the 2 main legs of the A-frame to each side, positioning on the inner edge of the side of the mounting bar.
4. Secure the A-Frame with the shorter, centre support bars, using the M6 bolts, lock washers, flat washers and nuts attached to the supports. This should be positioned at the inner edge of the main legs.
5. Decide which side of the panel you would like the receiver to be located. Remove the M6 bolt & washers from the centre of the controller and attach the controller via the hole on the relevant side of the mounting bar. Note: thread screw from inner side of the mounting bar and then thread into the controller on the outer side, with the cables facing backwards.
6. Attach the battery cable (BATT) from the controller to the battery box cable via the plug & play plug (push in and secure with threaded cap)
7. Attach the solar panel cable (PV) from the controller to the solar panel via the plug & play plug (as above).
8. Use the in-line connector to hard wire the 12v DC LED Lighting circuit to the LED cable of the controller (brown = live / blue = neutral). Note: for plug & play option, connect via the plug & play splitter and plug as per above.



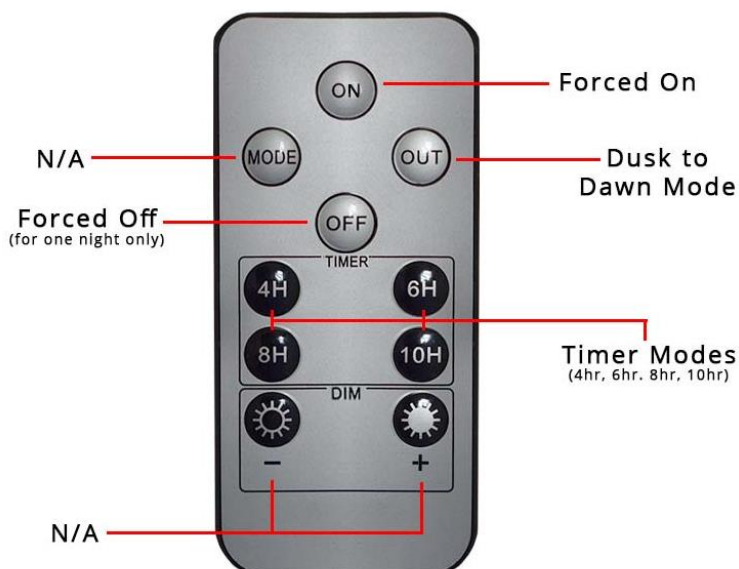
It is recommended to charge the battery for one full day prior to use. During daytime, cover the solar panel and select 'out' mode. Do not cover the receiver which is located at the front of side controller.

SETTINGS:

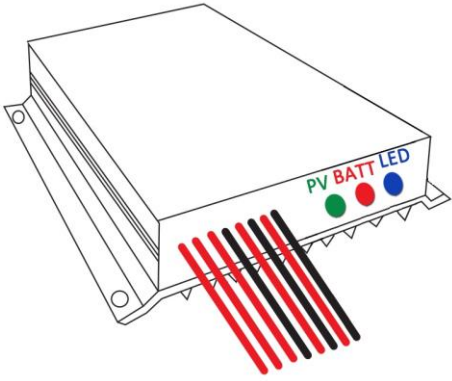
The Durasol is supplied with a remote control with multiple settings. These include dusk to dawn, timer functions and forced on and off.

To change settings, point the remote control at the receiver on the side of the panel within 3m range and select the desired option.

MEMORY FUNCTION: The mode selected will remain the same for each cycle until changed. The override OFF function is only applicable to one switch cycle and the previously selected mode will continue the following night.



INDICATOR LIGHTS



Green Light (Solar Panel)

Flashing: Charging
Solid On: Unable to charge due to dull weather
Off: Override Off Mode

Red Light (Battery)

Solid On: Battery has sufficient charge
Slow Flash (every 1 second): Very low battery (over discharged)
Fast flash (3x/second): Short Circuit (LED)
Off: Fully Discharged / Override Off Mode

Blue Light (LED)

Solid on: LED Output Active (not charging)
Off: No output / Override Off Mode

STORAGE:

When storing, be sure to turn off and disconnect all electrical components. Maximum 6 months storage when fully charged – recharge will be required periodically to prevent damage to battery over long periods of time.

OPTIONAL COMPONENTS:

Plug & Play Version available. Supplied complete with Lumena's 3m Versa Plug & Play Cable and 3 way splitter. Additional splitters and cables also available.

Surface Mount Bracket. An alternative mounting solution to the A-Frame, allowing surface mounting to walls, outbuildings, pergolas, shed roofs and other solid surfaces. To be attached to the existing mounting bracket via the M6 bolts, washers and nuts provided.