

USER MANUAL

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

SPECIFICATIONS

Voltage: 12V AC
Wattage: 4W (0.4W/lamp)
Lamps: E27 LED Filament GLS 12V AC – shatterproof (replaceable)
Colour Temperature: 2700K
LED RA: 83
Lumen Output: 70lm per lamp (140lm/W)
LED Life Expectancy: 10,000 hours (approx.)
IP Rating: IP44
Cable Length: 5m (approx.)
Materials: ABS, Polycarbonate
Working Temperature: -10°C~45°C
Mounting: Suspended from T-connector with Mounting Hole
Maximum Run per Transformer: 30M
Maximum Number of Sets per Run: 6x 5m sets
Connection: Versa Plug & Play (M-F)
Dimensions: 5m Length, 22cm Hanging of Lamp (approx.)
Lamp Spacing: 0.5m (0.25m tail ends) (approx.)
Included: 5m Festoon Lights (M-F) + 10 lamps, 1x Spare Lamp, Instructions.
Required: 1 x Versa 12V AC Transformer (10W, 20W or 50W) – Outdoor Use
Optional: 1 x Versa Output Cable, 1 x Versa F-F Connector

✓✓
2 YEAR
GUARANTEE
 see website for
 more details



SAFETY WARNINGS



Made in China to
Lumena Specification



- If a fitting is found to be damaged, cease use immediately.
- This is a Class 3 product (Low Voltage) – no earth required.
- Install in accordance with IEE wiring regulations and current Building Regulations.
- To prevent electrocution, switch off mains supply before installing or maintaining this fitting. Ensure other persons cannot restore the electrical supply without your knowledge.
- This light fitting should be connected to a circuit with a 30Ma RCD fitted. Maximum 12-15 fittings on each circuit recommended – varies based on total cable run.
- The unit may get warm whilst on for a period of time.
- Always take care when installing your festoon lights, especially when mounting at height.
- Secure all cabling, leaving it slightly slack.
- All connections should be made as watertight as possible to avoid electrical shortages.
- Do not modify this fitting, or it may void any warranty and result in an unsafe product. Always consult the manufacturer.
- Ensure all mounting instructions are followed.
- Ensure the fitting is mounted out of range of head height to avoid injury.
- Only use the recommended power supply.

CLEANING & MAINTENANCE:

Occasional cleaning and care are recommended for this product. Wipe with a soft, slightly damp cloth to remove any surface dirt. 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.

RETURNS & RECYCLING:

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: sales@lumenalights.com

Our full returns policy is available on our website.

Waste Electrical Products should not be disposed of with household waste. Please check with your local authority or contact us for more information. Please recycle packaging whenever possible. **Producer Registration Numbers: WEE/KC3440XY / BPRN0843**

Full product range & more information: www.lumenalights.com

INSTALLATION:

The Cosmic Range adds decorative lighting to outdoor spaces such as fences, pergolas, seating areas and eaves. Up to 30m of Orion 12V festoon lights can be linked from the transformer. With no output cable, the transformer will be located just 0.25m away from the first festoon light. The use of a Versa Output Cable (1-5m) with a Versa F-F Connector is recommended. **Please refer to the transformer requirements table** and consider voltage drop when adding extra cable. Each bulb holder features an integrated T-connector with a mounting hole every 50cm for easy suspension and installation.

LIGHT BULBS

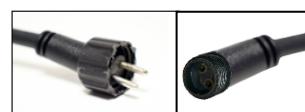
1. Screw the E27 lamps into each bulb holder by turning clockwise. Ensure a fully secure connection is made, being careful not to damage the lamp.

FESTOON / STRING LIGHTS - SUGGESTIONS

1. Hang from above with small hooks (max 2mm) via the T-bar hook points above each lamp.
2. Hang from the side, e.g. fences with small hooks, screws or pins (max 2mm) via the T-bar hook points.
3. Drape in trees via branches. Handle with care. Cable ties recommended – do not overtighten to prevent damage.
4. For clearance from a fence or wall, use small hanging basket hooks.
5. Use a long pole with a V-cut-out or similar to prop up in open areas.

CABLE CONNECTIONS:

1. Connect the output cable to the transformer and the female-to-female connector to the output cable by pushing the male plug into the female socket and securing it in place with the threaded cap (by hand). Festoon lights can be connected directly to the transformer if preferred. Transformer should be plugged into a waterproof UK 3-pin outdoor socket.
2. Connect the festoon lights to one another in the same way. If additional sets are being used on the same transformer, please follow the guidance below.



IMPORTANT:

Ensure any connectors not being used at the end of the cable are capped to protect the connection from water.

TRANSFORMER REQUIREMENTS:

Number of sets (total meterage)	Transformer wattage required (Versa AC)	MAX Cable length that can be added to each circuit
1 Set (5M)	10W AC Transformer	25M
2 Sets (10M)	20W AC Transformer	20M
3 Sets (15M)	20W AC Transformer	15M
4 Sets (20M)	20W AC Transformer	10M
5 Sets (25M)	50W AC Transformer	5M
6 Sets (30M)	50W AC Transformer	3M



12V AC Versa (IP68)

+



Versa Output Cable

+



Versa Female to Female Connector

+



Festoon

VERSA PLUG & PLAY

Orion can be installed on the same circuit as other Versa 12v lights. Total transformer load and cable run should always be considered. If in doubt, consult a qualified electrician.

TROUBLESHOOTING:

No power / Lamps are not illuminating

If the lights are not illuminating when switched on / plugged in, try the following:

- Check that the plug & play connectors are fastened correctly and securely with a rubber o-ring present.
- Check that the light bulbs are securely fastened into the bulb holder.
- Check for signs of damage or water ingress.
- Check there is power to the circuit.
- Check that the total cable length does not exceed the maximum run, as this can result in a voltage drop. **Please refer to the transformer requirements table above.**

Single lamp not illuminating

- Check the lamp is fully screwed into the bulb holder
- Swap two lamps to determine if it is the lamp or the bulb holder which is not working correctly. A spare lamp is supplied

If any trouble shooting steps above have not resolved your issue, please contact your supplier / retailer, or contact the Lumena Lights Technical Team on 01327 871161 / sales@lumenalights.com

FREQUENTLY ASKED QUESTIONS:

Can I connect a dusk-to-dawn sensor or a motion sensor to the circuit? Yes. An external PIR/PC controller can be added to the circuit. Please get in touch with our technical department, or alternatively, consult an approved electrician regarding the addition of the sensor to your circuit.

How many sets can I run from one transformer? Please refer to the transformer requirements table above.

Can I mix and match sets from the Cosmic Range? Unfortunately, not. Extension kits should only be connected to the same model. Additionally, the remainder of the range is solar powered and therefore not compatible with the 12V AC Orion.

Can I use additional extension cables? Yes. Versa Output Cables (dual-ended male cable) and Versa female-to-female connectors can be used for connectivity and extendable runs. We offer the Versa Output Cables (LCONC) in lengths of 1M, 3M and 5M. Additional extension cables form part of the overall run which will result in less sets of festoon lights per transformer. For more information, feel free to contact us.

What is the guarantee? Lumena offer a 2 year guarantee as standard with the Cosmic Range. Transformers and accessories have their own guarantees.

Are spare lamps available? Yes. As standard, a spare bulb is supplied with every set. Additional bulbs are available upon request. These are specialist 12v AC lamps so must be purchased as part of the Lumena Cosmic Range. Do not replace lamps with alternative brands.

<p>DRACO WARM WHITE</p> <p>Create a cosy and welcoming atmosphere with the Draco Solar Festoon Lights. These warm white solar festoon lights are supplied as a 5m length.</p> <p>VIEW ONLINE</p>	<p>PHOENIX FLAME EFFECT</p> <p>The Phoenix Solar Flame Festoon Lights are a real eye catcher with realistic flame flicker effect. These amber solar festoon lights are supplied as a 5m length with 10 traditional style lamps.</p> <p>VIEW ONLINE</p>
<p>HYDRA RGBY-DW</p> <p>Create eye-catching effects with the Hydra Solar Meteor Festoon Lights. These festoon lights are multi-coloured with an array of fixed red, green, blue, daylight white and warm white ES / E27 bulbs.</p> <p>VIEW ONLINE</p>	<p>VELA RGBY BULBS</p> <p>The Vela Solar Coloured Festoon Lights are a charming addition to outdoor spaces. These festoon lights feature a vibrant array of fixed red, green, blue and yellow ES / E27 bulbs.</p> <p>VIEW ONLINE</p>
<p>ARA DUAL LEDS (W/D)</p> <p>The Ara dual white solar string lights are beautiful addition to outdoor spaces. The string lights are a combination of warm white and daylight white LEDs.</p> <p>VIEW ONLINE</p>	<p>PAVO RGBY LEDS</p> <p>The Pavo coloured solar string lights are a vibrant addition to outdoor areas. The multi-coloured LED array includes red, yellow, blue and green lamps.</p> <p>VIEW ONLINE</p>
<p>COSMIC COMMERCIAL GRADE FESTOON & STRING LIGHTS</p>	<p>ORION WARM WHITE</p> <p>Elevate your outdoor setting with these warm white LED lights. The Orion 12V festoon lights deliver a comforting and welcoming gentle glow, which is ideal for pathways, gardens, seating areas and more.</p> <p>VIEW ONLINE</p>