Ledvion LVO10096-dim

Ledvion LED String Light Instruction Manual

Model: LVO10096-dim (Dimmable, 5.5m)

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Ledvion LED String Light, model LVO10096-dim. Please read these instructions carefully before installation and operation, and retain them for future reference. This LED string light is designed to create an ambient atmosphere for both indoor and outdoor environments, featuring IP44 water and dust resistance and remote-controlled dimmable functionality.

2. WHAT'S IN THE BOX

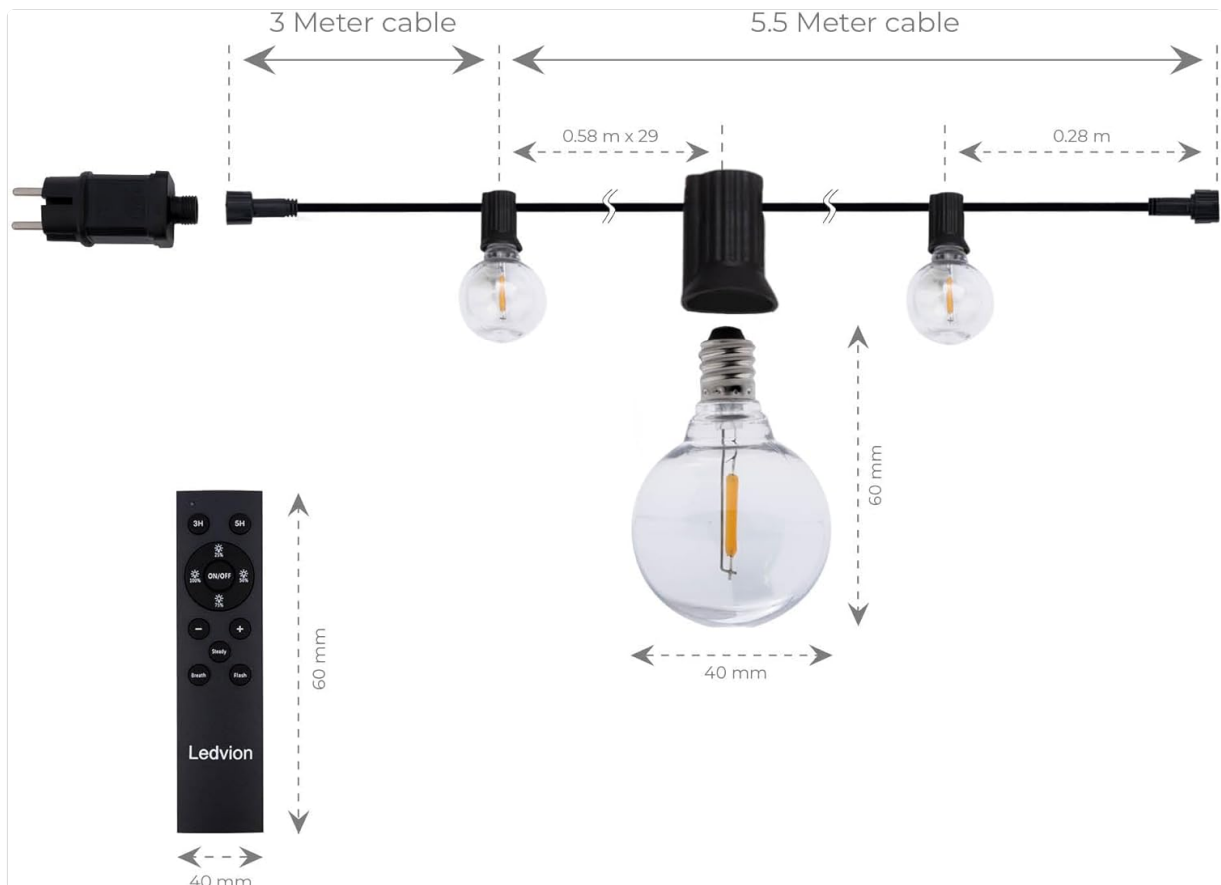Verify that all components are present and in good condition upon unpacking.

Image: Contents of the Ledvion LED String Light package. Includes the LED string light, remote control, adapter, two spare bulbs, and the instruction manual.

- 1x LED String Light (5.5m, 10x E12 LED bulbs)
- 1x Remote Control
- 1x Adapter
- 2x Spare E12 LED Bulbs
- 1x Instruction Manual

3. SPECIFICATIONS

Fiche d'information sur le produit

RÈGLEMENT DÉLÉGUÉ (UE) 2019/2015 DE LA COMMISSION en ce qui concerne l'étiquetage énergétique des sources lumineuses

Nom du fournisseur ou marque commerciale.	Ledvion
Adresse du fournisseur: Teqvion B.V., Ekkersrijt 4304, 5692DH Son Son en Breugel NB, NL	
Référence du modèle: LV20001_1	

Type de source lumineuse:

Technologie d'éclairage utilisée:	LED	Non-dirigée ou dirigée:	NDLS
Type de culot de la source lumineuse (ou d'autre interface électrique)	T8		
Secteur ou non secteur:	MLS	Source lumineuse connectée (SLC):	Non
Source lumineuse réglable en couleur:	Non	Enveloppe:	-
Source lumineuse à luminance élevée:	Non		
Protection anti-éblouissement:	Non	Utilisation avec un variateur:	Non

Paramètres du produit

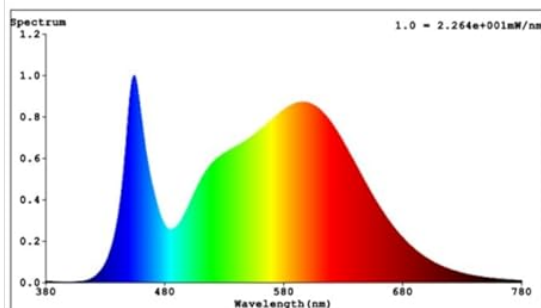| Paramètre	Valeur	Paramètre	Valeur
Paramètres généraux du produit:			
Consommation d'énergie en mode marche (kWh/1000 h), arrondie à l'entier supérieur le plus proche	7	Classe d'efficacité énergétique	C
Flux lumineux utile (φuse), avec indication qu'il se réfère au flux dans une sphère (360º), dans un cône large (120º) ou dans un cône étroit (90º)	1 120 sur Sphère (360°)	Température de couleur proximale, arrondie à la centaine de K la plus proche, ou la plage de températures de couleur proximales qui peuvent être réglées	4 000
Puissance en mode «marche» (P$_{on}$), exprimée en W	7,0	Puissance en mode veille (P$_{sb}$), exprimée en W et arrondie à la deuxième décimale	0,00
Puissance en mode veille (P$_{net}$), pour SLC, exprimée en W et arrondie à la deuxième décimale	-	Indice de rendu des couleurs, arrondi à l'entier le plus proche, ou la plage	80

			de valeurs d'IRC qui peuvent être réglées	
Dimensions extérieures en mm, sans appareillage de commande séparé, éléments de régulation de l'éclairage ni éléments sans fonction d'éclairage (le cas échéant)	Hauteur	28	Distribution de la puissance spectrale dans la plage de 250 nm à 800 nm, à pleine charge	Voir l'image de la page précédente
	Largeur	602		
	Profondeur	28		
Déclaration de puissance équivalente$^{a)}$		-	Si oui, puissance équivalente (W)	-
			Coordonnées chromatiques (x et y)	0,318 0,380

Paramètres pour les sources lumineuses LED et OLED:

R9 valeur de l'indice de rendu des couleurs	0	Facteur de survie	-
Facteur de conservation du flux lumineux	0,70		

Paramètres pour les sources lumineuses secteur LED et OLED:

Facteur de déphasage (cos φ1)	0,90	Constance des couleurs dans les ellipses de MacAdam	6
Déclaration qu'une source lumineuse LED remplace une source lumineuse fluorescente sans ballast intégré d'une puissance en watts particulière	.$^{b)}$	Si oui, déclaration relative au remplacement (W)	-
Mesure du papillotement (Pst LM)	0,1	Mesure de l'effet stroboscopique (SVM)	-

$^{a)}$.‑': sans objet;

$^{b)}$.‑': sans objet;

Image: Detailed technical drawing illustrating the dimensions of the string light components, including cable length, bulb spacing, and bulb size.

Feature	Detail
Brand	Ledvion

Model Number	LVO10096-dim
Product Dimensions (L x W x H)	26 x 17 x 12 cm (packaged); 5.5m (string length)
Item Weight	610 g
Material	Rubber, Polyvinyl Chloride
Number of Bulbs	10 (plus 2 spare)
Bulb Type	E12 LED
Wattage per Bulb	0.3 Watts
Total Wattage	3 Watts
Voltage	230 Volts
Luminous Flux	300 Lumens
Color Temperature	2700 Kelvin (Warm White)
Special Features	Dimmable (via remote), Waterproof (IP44), Professional, Connectable, Original Design
Power Source	Electric (Plug-in)
Usage	Indoor/Outdoor
Connectable	Up to 1000W total (approx. 50 bulbs with this model's wattage)

4. SAFETY INSTRUCTIONS

- Read all instructions before use.
- Ensure the power supply voltage matches the product's requirements (230V).
- Do not connect the string light to the power supply while it is in the packaging.
- Always unplug the string light from the power outlet before installing, removing, or replacing bulbs, or performing any maintenance.
- Do not operate the string light with damaged cords, plugs, or loose bulb sockets.
- Keep children and pets away from the string light during operation.
- Do not immerse the string light or adapter in water. The IP44 rating protects against splashing water and dust, but not submersion.
- Use only the provided adapter and bulbs, or compatible replacements specified by Ledvion.
- Ensure all connections are secure and sealed, especially for outdoor use, to maintain IP44 rating.
- Do not modify the product in any way. Unauthorized modifications may void the warranty and pose safety risks.
- Avoid hanging the string light in areas where it could be a tripping hazard or easily damaged.

Image: The string light is shown in a rainy environment, emphasizing its IP44 water and dust resistant design for both indoor and outdoor applications.

5. SETUP AND INSTALLATION

1. **Unpack Components:** Carefully remove all items from the packaging.
2. **Inspect:** Check the string light, adapter, remote control, and bulbs for any signs of damage. Do not use if damaged.
3. **Bulb Installation:**

   - Ensure the string light is unplugged.
   - Gently screw each E12 LED bulb into its respective socket on the string. Do not overtighten.
   - The string light comes with 10 bulbs pre-installed and 2 spare bulbs.

Image: A close-up view of an E12 bulb in its socket, illustrating the replaceable bulb feature and confirming the inclusion of spare bulbs.

4. **Connect Adapter:** Connect the string light's power cable to the provided adapter. Ensure a secure connection.

5. **Mounting:**

   - Hang the string light in your desired location. Use appropriate hooks, clips, or ties to secure the cable.
   - Ensure the string is not under excessive tension.
   - The 3-meter connection cable provides flexibility for reaching a power outlet.

6. **Extension (Optional):**

   - This string light is connectable, allowing you to extend its length.
   - Locate the male and female connectors at the ends of the string light.
   - Connect additional compatible Ledvion string lights by aligning and securely twisting the connectors.
   - Do not exceed a total connected wattage of 1000W for the entire setup. This adapter supports up to approximately 50 bulbs of this model.

Image: A visual guide demonstrating the easy-connect feature for extending the string light, showing male and female connectors and the capacity to link up to 50 bulbs.

7. **Power Connection:** Once installed and all bulbs are secure, plug the adapter into a suitable 230V power outlet.

6. OPERATION

This Ledvion LED String Light model (LVO10096-dim) is dimmable and controlled via the included remote control. Ensure the remote has working batteries (typically 2x AAA, not always included).

Image: The Ledvion LED string lights are shown illuminated in an outdoor setting, demonstrating their ambient lighting effect.

Remote Control Functions:

Image: A remote control for Ledvion string lights, detailing buttons for timer settings, brightness levels, and various lighting effects.

- **ON/OFF:** Press to turn the string lights on or off.

- **Brightness Adjustment (+/-):** Use the '+' and '-' buttons to increase or decrease the brightness level.

- **Preset Brightness (100%, 50%):** Quickly set the brightness to full or half intensity.

- **Timer Modes (3H, 5H):** Press to activate a timer for 3 or 5 hours. The lights will automatically turn off after the set duration.

- **Lighting Modes (Steady, Breath, Flash):** Select different dynamic lighting effects:

  - **Steady:** Lights remain constantly on.

  - **Breath:** Lights slowly fade in and out.

  - **Flash:** Lights flash on and off.

7. MAINTENANCE

- **Cleaning:** Disconnect from power. Wipe the string and bulbs with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners or solvents.

- **Bulb Replacement:**

- Always ensure the string light is unplugged before replacing any bulb.
- Carefully unscrew the old bulb from its socket.
- Screw in a new E12 LED bulb (0.3W, 2700K) into the socket. Ensure it is snug but do not overtighten.
- Use only compatible replacement bulbs to maintain product performance and safety.

- **Storage:** When not in use for extended periods, unplug the string light, clean it, and store it in a cool, dry place away from direct sunlight and moisture.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on.	- No power to the outlet. - Adapter not properly connected. - Loose or faulty bulb. - Damaged cable or adapter. - Remote control batteries are dead or remote is out of range.	- Check the power outlet with another device. - Ensure the adapter is securely plugged into both the string light and the wall outlet. - Check each bulb for tightness and replace any faulty bulbs. - Inspect the cable and adapter for visible damage. If damaged, discontinue use and contact support. - Replace remote batteries or move closer to the string light receiver.
Some bulbs are not lighting up.	- Loose bulb. - Faulty bulb.	- Gently tighten the bulb. - Replace the faulty bulb with one of the spare bulbs or a compatible replacement.
Lights flicker or behave erratically.	- Loose connection. - Unstable power supply. - Remote control interference.	- Check all connections, including the adapter and bulb sockets, for tightness. - Try plugging into a different power outlet. - Ensure no other devices are interfering with the remote signal.

9. WARRANTY AND SUPPORT

Ledvion products are manufactured to high-quality standards. For warranty information, technical support, or if you encounter any issues not covered in this manual, please contact your retailer or Ledvion customer service directly. Please have your model number (LVO10096-dim) and purchase information ready when contacting support.

10. REGULATORY COMPLIANCE

This product complies with relevant European Union directives and regulations. For detailed product information and energy efficiency data, please refer to the EPREL database:
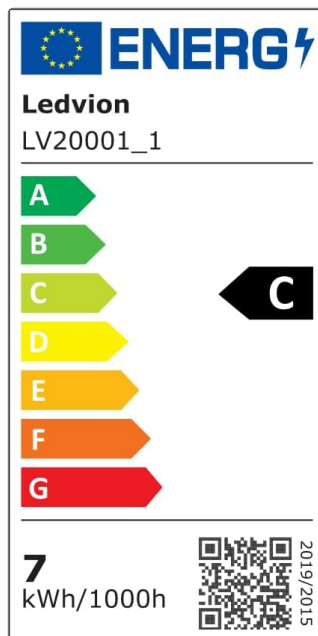
EPREL Product Information Sheet

Image: EU Energy Label for the Ledvion LED String Light, indicating its energy efficiency class and consumption.