TENDIST J-5050RGB-30

TENDIST 15M Flexible Neon LED RGB Strip Light User Manual

Model: J-5050RGB-30

1. Introduction

Thank you for choosing the TENDIST 15M Flexible Neon LED RGB Strip Light. This manual provides essential information for the safe installation, operation, and maintenance of your LED strip light. Please read it thoroughly before use and retain it for future reference.

2. Important Safety Instructions

- The LED neon strip and its controller are IP68 waterproof, suitable for outdoor use. However, the **power adapter is NOT waterproof** and must be protected from water and moisture.
- Ensure the cable connector's waterproof cap is securely tightened for maximum water resistance.
- Use only the provided 24V power adapter. Using an incompatible power supply may damage the product or pose a safety risk.
- Do not connect multiple 10m rolls in series if you have the 20m package (which consists of two 10m rolls). Each roll requires its own connection to the controller.
- Always disconnect the power supply before installation, maintenance, or troubleshooting.
- Do not bend the LED strip sharply or apply excessive force, as this may damage the internal components.
- When cutting the LED strip, only cut along the designated marks to avoid damaging the circuit.

Important: The power adapter is not waterproof and must be kept dry.

3. Package Contents

Please check the package to ensure all items are present and undamaged:

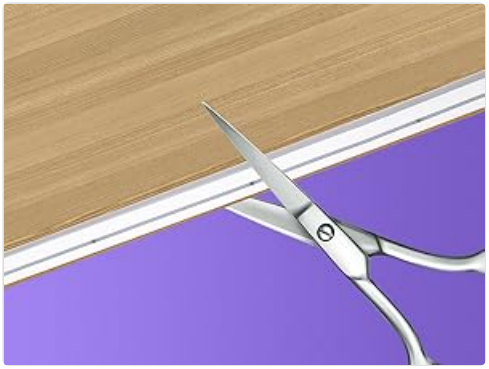
- Flexible Neon LED Strip (5m, 10m, 15m, or 20m - 20m includes two 10m rolls)
- Waterproof Bluetooth Controller
- 2.4G RF Remote Control
- 24V Power Adapter (not waterproof)
- Mounting Brackets and Screws

The complete package contents, including the LED strip, remote, adapter, and controller.

4. Setup and Installation

4.1 Planning and Preparation

- Unroll the LED strip and lay it flat to avoid kinks.
- Determine the desired path for your LED strip. Ensure the length is appropriate for the chosen area.
- If necessary, the LED strip can be cut at designated cutting marks. Only cut at these marks to prevent damage.



The LED strip can be cut at marked intervals for custom lengths.

4.2 Mounting the LED Strip

The LED strip does not have adhesive backing. Use the provided transparent mounting brackets and screws for secure installation.

1. Position the LED strip along your desired path.
2. Place the transparent mounting brackets at regular intervals (e.g., every 30-50 cm) to hold the strip firmly.
3. Secure each bracket with the provided screws. For additional stability, double-sided adhesive tape can be applied to the back of the neon strip before attaching the brackets.

Secure the LED strip using the provided mounting clips and screws.

4.3 Connecting the Power and Controller

1. Connect the LED neon strip to the waterproof Bluetooth controller. Ensure the connection is firm.
2. Tighten the waterproof cap on the cable connector to ensure IP68 protection.
3. Connect the waterproof Bluetooth controller to the 24V power adapter.
4. Plug the 24V power adapter into a suitable power outlet. Remember, the power adapter is not waterproof.

The waterproof Bluetooth controller ensures durability in outdoor environments.

5. Operating Instructions

5.1 Smart App Control (Zengge App)

Control your LED strip light conveniently using the Zengge app on your smartphone.

1. **Download the App:** Scan the QR code on the controller or search for "Zengge" in your app store (iOS/Android).
2. **Pairing:** Ensure Bluetooth is enabled on your smartphone. Open the Zengge app, and it should automatically detect and connect to your LED strip controller.
3. **Basic Controls:** Adjust color, brightness, and saturation individually.
4. **Dynamic Modes:** Select from various pre-set dynamic color changing modes.
5. **Music Sync:** Utilize the microphone on your smartphone to synchronize the LED lights with the rhythm of music.
6. **Timer Function:** Set schedules for the lights to automatically turn on or off at specific times. The controller has a memory function, retaining the last mode after a power cycle.
7. **Group Control:** Control multiple TENDIST LED strips simultaneously within the app.

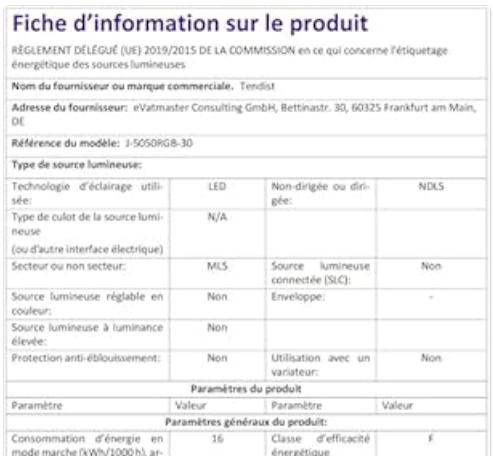
The Zengge app provides comprehensive control over colors, brightness, and modes.

Set automatic on/off schedules using the app's timer function.

5.2 2.4G RF Remote Control

The included 2.4G RF remote control offers 360-degree control without needing direct line-of-sight.

- **Power On/Off:** Use the dedicated buttons to turn the lights on or off.
- **Color Selection:** Choose from a variety of static colors.
- **Brightness Adjustment:** Increase or decrease the light intensity.
- **Dynamic Modes:** Cycle through various pre-programmed lighting effects.
- **Group Control:** The 2.4G remote supports group control, allowing you to synchronize multiple TENDIST LED strips or control them individually.



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. Tendist

Adresse du fournisseur: eVatmaster Consulting GmbH, Bettinastr. 30, 60325 Frankfurt am Main, DE

Référence du modèle: J-5050RGB-30

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)	N/A		
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

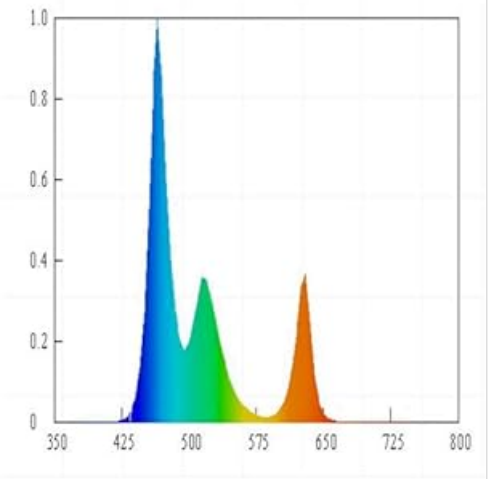
Paramètres du produit

Paramètre	Valeur	Paramètre	Valeur
Paramètres généraux du produit:			
Consommation d'énergie en mode marche (kWh/1000 h), ar-	16	Classe d'efficacité énergétique	F

rondie à l'entier supérieur le plus proche				
Flux lumineux utile (φuse), avec indication qu'il se réfère au flux dans une sphère (360°), dans un cône large (120°) ou dans un cône étroit (90°)		1 380 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	30 000
Puissance en mode «marche» (P_{on}), exprimée en W		16,0	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	90

			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	230	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	190		
	Profondeur	34		
Déclaration de puissance équivalente[a]		-	Si oui, puissance équivalente (W)	-
			Coordonnées chromatiques (x et y)	0,201 0,227
Paramètres pour les sources lumineuses LED et OLED:				
R9 valeur de l'indice de rendu des couleurs		-106	Facteur de survie	0,90
Facteur de conservation du flux lumineux		0,90		
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)		0,0	Mesure de l'effet stroboscopique (SVM)	0,0

a) - : sans objet;
b) - : sans objet;



The 2.4G RF remote control offers convenient wireless operation.


Produktdatenblatt

DELEGIERTE VERORDNUNG (EU) 2019/2015 DER KOMMISSION zur

Energieverbrauchskennzeichnung von Lichtquellen

Name oder Handelsmarke des Lieferanten: Tendist

Anschrift des Lieferanten: eVatmaster Consulting GmbH, Bettinastr. 30, 60325 Frankfurt am Main, DE

Modellkennung: J-S050RGB-30

Art der Lichtquelle:

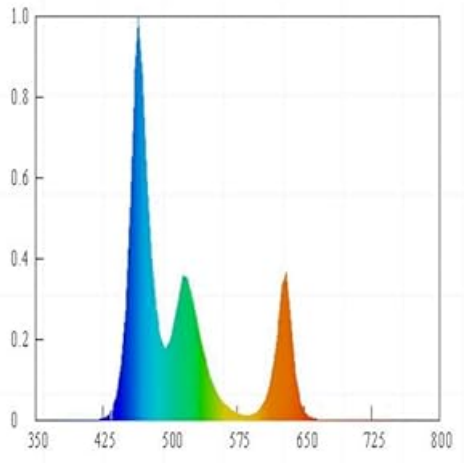
Verwendete Beleuchtungstechnologie:	LED	Ungebündelt oder gebündelt:	NDLS
Art des Sockels der Lichtquelle (oder andere elektrische Schnittstelle)	N/A		
Netzspannung/Nicht direkt an die Netzspannung angeschlossen:	MLS	Vernetzte Lichtquelle (CLS):	Nein
Farblich abstimmbare Lichtquelle:	Nein	Hülle:	-
Lichtquelle mit hoher Leuchtdichte:	Nein		
Blendschutzschild:	Nein	Dimmbar:	Nein

Produktparameter

Parameter	Wert	Parameter	Wert
Allgemeine Produktparameter:			
Energieverbrauch im Ein-Zustand (kWh/1000 h), auf die nächstliegende ganze Zahl gerundet	16	Energieeffizienzklasse	F
Nutzlichtstrom (ϕuse) mit Angabe, ob sich der Wert auf den Lichtstrom in einer Kugel (360 °), in einem breiten Kegel (120 °) oder in einem schmalen Kegel (90 °) bezieht	1 380 in Kugel (360 °)	ähnliche Farbtemperatur, gerundet auf die nächstliegenden 100 K, oder Spanne der einstellbaren ähnlichen Farbtemperaturen, gerundet auf die nächstliegenden 100 K	30 000
Leistungsaufnahme im Ein-Zustand (P_{on}) in W	16,0	Leistungsaufnahme im Bereitschaftszustand (P_{sb}) in W, auf die zweite Dezimalstelle gerundet	0,00
Leistungsaufnahme im vernetzten Bereitschaftsbetrieb (P_{net}) für CLS in W, auf die zweite Dezimalstelle gerundet	-	Farbwiedergabeindex, auf die nächstliegende ganze Zahl gerundet, oder Spanne der einstellbaren CRI-Werte	90

äußere Abmessungen, ggf. ohne separates Betriebsgerät, Beleuchtungssteuerungsteile und Nicht-Beleuchtungsteile (Millimeter)	Höhe	230	Spektrale Strahlungsverteilung im Bereich 250 nm bis 800 nm bei Volllast	Siehe Bild auf letzter Seite	
	Breite	190			
	Tiefe	34			
Angabe zu einer gleichwertigen Leistungsaufnahme[a]		-	Falls ja, gleichwertige Leistungsaufnahme (W)	-	
			Farbwertanteile (x und y)	0,201 0,227	
Parameter für LED- und OLED-Lichtquellen:					
Wert des R9-Farbwiedergabeindex		-106	Lebensdauerfaktor	0,90	
Lichtstromerhalt		0,90			
Parameter für LED- und OLED-Netzspannungslichtquellen:					
Verschiebungsfaktor (cos ϕ1)		0,90	Farbkonsistenz in MacAdam-Ellipsen	6	
Angabe, dass eine LED-Lichtquelle eine Leuchtstofflichtquelle ohne eingebautes Vorschaltgerät mit einer bestimmten Leistungsaufnahme ersetzt.		-[b]	Falls ja, Angabe zur ersetzten Leistungsaufnahme (W)	-	
Flimmer-Messgröße (Pst LM)		0,0	Messgröße für Stroboskop-Effekte (SVM)	0,0	

[a] „-": nicht zutreffend;
[b] „-": nicht zutreffend;



Control multiple LED strips simultaneously with the group control feature.

6. Maintenance

- **Cleaning:** Gently wipe the LED strip with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the power is disconnected before cleaning.
- **Inspection:** Periodically check the LED strip, connections, and power adapter for any signs of damage or wear.
- **Storage:** If storing the LED strip for an extended period, coil it loosely and store it in a dry, cool place away from direct sunlight.

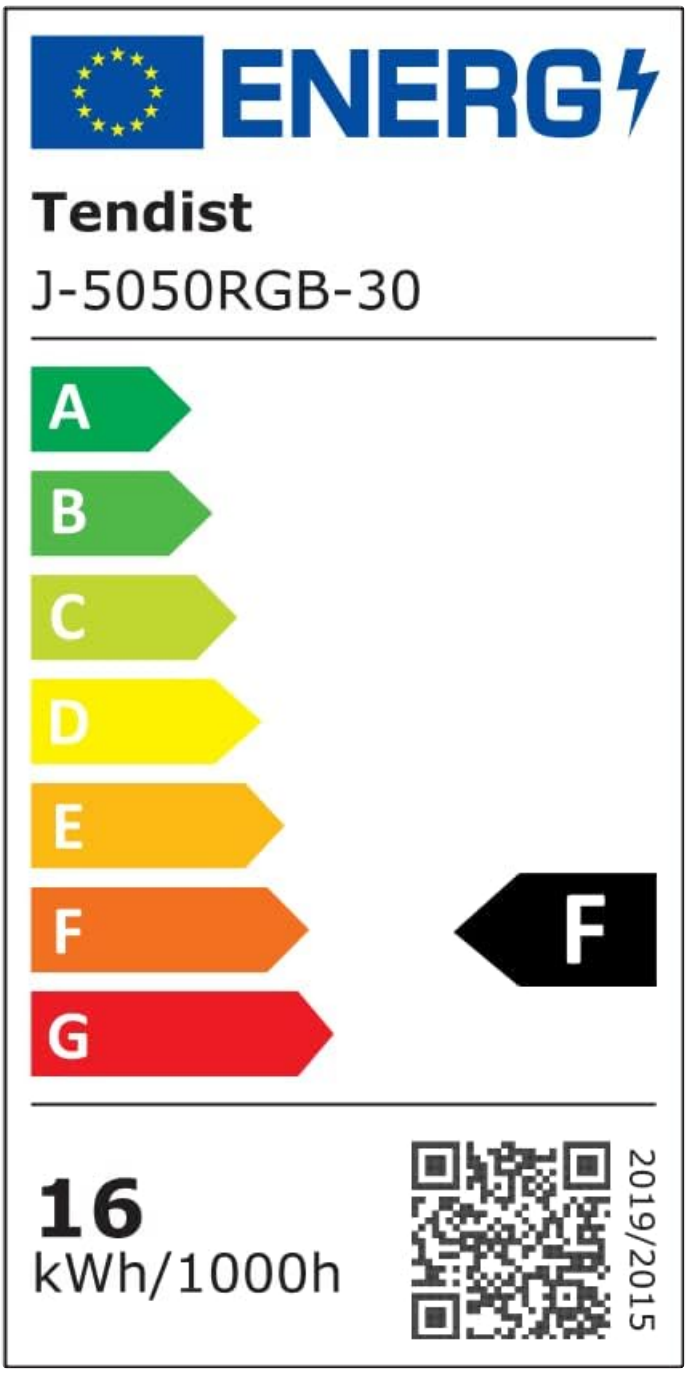
7. Troubleshooting

Problem	Possible Solution
LED strip does not light up.	Check if the power adapter is securely plugged in. Ensure all connections between the strip, controller, and adapter are firm. Verify the power outlet is functional.
Remote control is not working.	Check the battery in the remote control. Ensure there are no obstructions between the remote and the controller (though 2.4G RF is less sensitive to this).
App cannot connect to the LED strip.	Ensure Bluetooth is enabled on your smartphone. Restart the app and try again. Power cycle the LED strip by unplugging and replugging the adapter.
Some colors are not displaying correctly.	This could indicate damage to the LED strip. Ensure the strip was not cut incorrectly or bent too sharply. Contact customer support if the issue persists.
Lights do not respond to music sync.	Ensure the microphone permission is granted to the Zengge app. Check the app settings for music sync sensitivity.

8. Product Specifications

Feature	Detail
Brand	TENDIST
Model Number	J-5050RGB-30

Feature	Detail
Color	RGB
Ingress Protection (IP) Rating	IP68 (LED strip and controller)
Power Adapter	24V (Not waterproof)
Control Type	Bluetooth App Control (Zengge), 2.4G RF Remote Control
Special Features	Memory Function, Music Sync, Timer Function, 360° Remote Control
Light Source Type	LED
Item Weight	1.55 Kilograms
Usage	Indoor/Outdoor



EU Energy Label for Model J-5050RGB-30. For more details, visit the EPREL database.

9. Warranty and Support

TENDIST products come with a standard manufacturer's warranty. For specific warranty details, please refer to the product packaging or contact your retailer.

If you encounter any issues or have questions regarding your TENDIST LED strip light, please contact our customer support team. Provide your model number (J-5050RGB-30) and purchase details for faster assistance.

Contact information can typically be found on the product packaging or the retailer's website.