

SALCAR V4W.716

SALCAR V4W.716 WiFi Smart Thermostat User Manual

For Electric Underfloor Heating Systems

1. INTRODUCTION

The SALCAR V4W.716 WiFi Smart Thermostat is designed to control electric underfloor heating systems, including heating cables, heating films, and electric heaters. It provides intelligent and energy-efficient operation for your home's heating. This thermostat features a sensitive LCD touch display, adjustable backlight brightness, and multiple programmable modes to suit individual preferences.

Key features include:

- Child protection and anti-frost functions.
- Power-off memory to retain settings.
- Temperature accuracy of ± 0.5 °C.
- Remote control via the Tuya Smart Life application.
- Voice control compatibility with smart assistants.

2. PACKAGE CONTENTS

Upon opening the package, verify that all components are present:

- 1x SALCAR V4W.716 WiFi Smart Thermostat (16A)
- 1x User Manual
- 1x Installation Instructions
- 1x External Sensor
- 1x Screw Pack for installation



① Paket

② Thermostat

③ Bedienungsanleitung

④ Schrauben

Image 2.1: The image displays the SALCAR V4W.716 thermostat package contents, including the thermostat unit, user guide, and mounting screws.

3. SETUP AND INSTALLATION

Installation of the SALCAR V4W.716 thermostat should be performed by a qualified electrician to ensure safety and proper functionality. The thermostat is designed exclusively for electric heating systems and is not compatible with boiler or water heating systems.

3.1 Wiring Diagram

Follow the wiring diagram carefully. Ensure the power supply is disconnected before beginning installation.

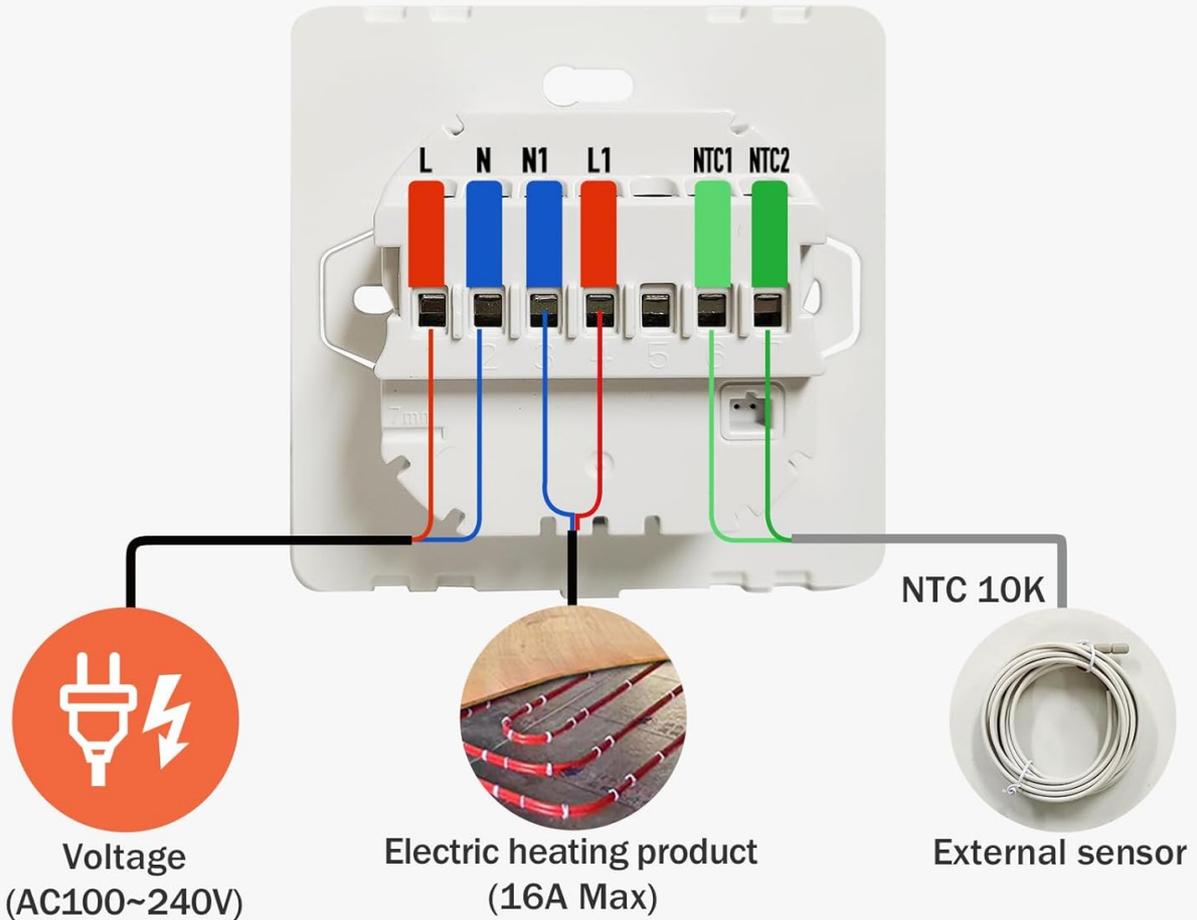
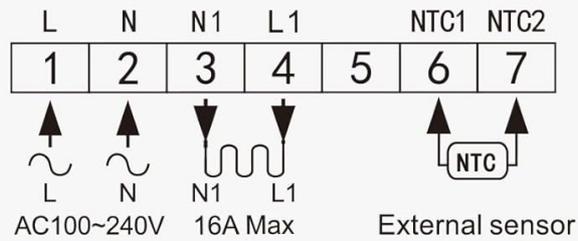


Image 3.1: This diagram illustrates the wiring connections for the SALCAR V4W.716 thermostat. It shows connections for AC100-240V voltage input, the electric heating product (16A Max), and the NTC 10K external sensor.

Wiring Terminals:

- **L & N:** Power input (AC100-240V).
- **N1 & L1:** Output to electric heating product (16A Max).
- **NTC1 & NTC2:** External sensor connection.

3.2 Application Areas

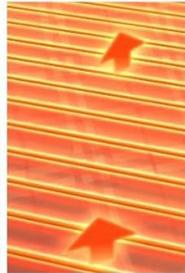
This thermostat is specifically designed for electric heating systems. It is compatible with heating films, heating mats, and heating cables. It is **not** compatible with boiler or water heating systems.

Nur für elektrische Heizsysteme

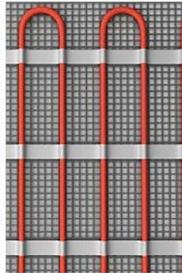
Funktioniert



Heizfolie



Heizmatte



Heizkabel



Nicht verwenden



Nicht kompatibel mit
Boiler/Wasserheizsystem.

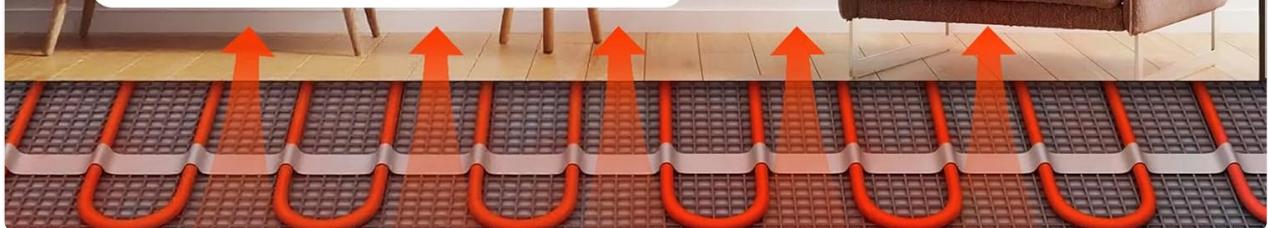


Image 3.2: This image clarifies that the thermostat is suitable for electric heating systems such as heating film, heating mats, and heating cables. It explicitly states incompatibility with boiler or water heating systems.

3.3 App Connection (Tuya Smart Life)

To enable smart features, connect the thermostat to the Tuya Smart Life application via 2.4G WiFi. This allows for remote control and voice assistant integration.

WiFi-Thermostat

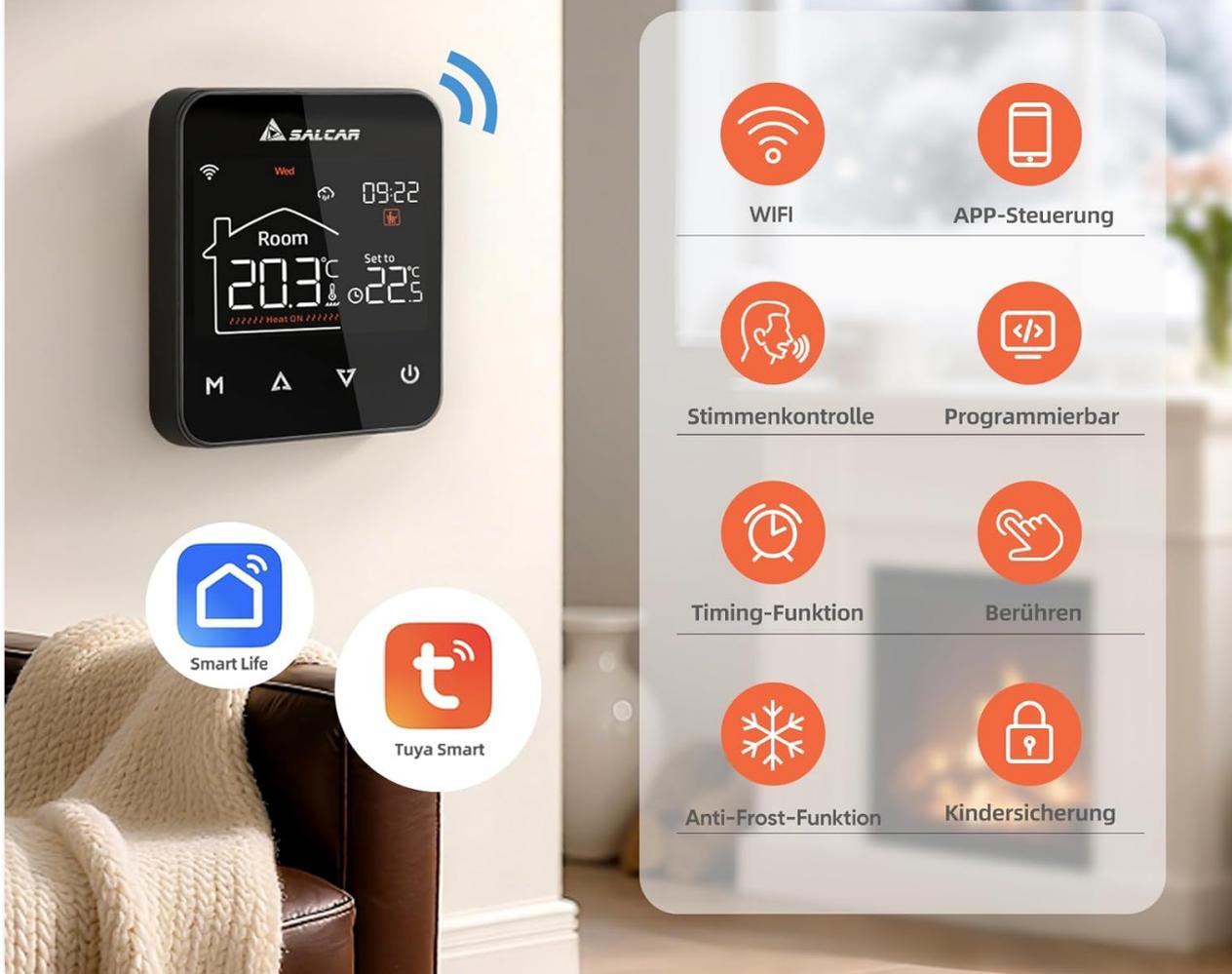


Image 3.3: This image highlights the key features of the SALCAR WiFi Thermostat, including WiFi connectivity, app control (Smart Life, Tuya Smart), voice control, programmability, timing function, touch interface, anti-frost function, and child lock.

4. OPERATING INSTRUCTIONS

The SALCAR V4W.716 thermostat features an LCD touch display for easy interaction and control.



Image 4.1: This image shows the SALCAR V4W.716 thermostat's LCD display, indicating current room temperature, set temperature, and heating status. Alongside it, a smartphone displays the corresponding app interface for floor heating control, showing current and set temperatures, and manual mode option.

4.1 Basic Operation

- **Power Button:** Press to turn the thermostat on or off.
- **Temperature Adjustment:** Use the up and down arrows on the display or within the app to set the desired temperature.
- **Mode Selection:** Switch between manual and automatic (programmed) modes.

4.2 Programmable Modes

The thermostat supports up to six heating events per day and offers three programmable modes to align with your schedule:

- **5+2 Days:** Weekdays (Monday-Friday) and weekends (Saturday-Sunday) have separate programs.
- **6+1 Days:** Monday-Saturday and Sunday have separate programs.
- **7 Days:** Each day of the week can be programmed individually.

Adjust heating periods and temperatures according to personal habits for energy efficiency.

Programmierung

5+2/6+1/7-Tage-Programmtyp verfügbar



Image 4.2: This image demonstrates the programming capabilities of the SALCAR V4W.716 thermostat, showing the selection of 5+2, 6+1, or 7-day program types via the app interface. It also displays a detailed schedule for working days with specific periods and temperatures.

4.3 Remote and Voice Control

Control your heating system from anywhere using the Tuya Smart Life app on your smartphone. The thermostat is also compatible with voice assistants like Amazon Alexa and Google Home, allowing for convenient voice commands.

APP-Fernbedienung

works with alexa

works with Google Home



Image 4.3: This image illustrates the remote control capabilities of the SALCAR V4W.716 thermostat, showing a user interacting with the Tuya Smart Life app and a voice assistant (Alexa) to adjust the temperature. It highlights compatibility with Alexa and Google Home.

4.4 Special Functions

- **Child Lock:** Prevents unauthorized changes to settings.
- **Anti-Frost Protection:** Automatically activates heating if the temperature drops below a set threshold to prevent freezing.
- **Family Sharing:** Allows multiple users to control the thermostat via the app.

5. MAINTENANCE

To ensure the longevity and optimal performance of your SALCAR V4W.716 Smart Thermostat, follow these general maintenance guidelines:

- **Cleaning:** Gently wipe the display and casing with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the surface or internal components.
- **Avoid Obstructions:** Ensure that the thermostat is not covered by furniture, curtains, or other objects that could obstruct its temperature sensor or airflow.

- **Power Supply:** In case of extended absence, you may choose to turn off the heating system at the main breaker, but note that the thermostat has power-off memory to retain settings.
- **Software Updates:** Periodically check the Tuya Smart Life app for any available firmware updates for the thermostat to ensure you have the latest features and security enhancements.

6. TROUBLESHOOTING

If you encounter issues with your SALCAR V4W.716 Smart Thermostat, refer to the following common troubleshooting steps:

- **Thermostat Not Responding:** Check if the device is powered on. Ensure the main power supply to the heating system is active. If the screen is blank, verify wiring connections.
- **Incorrect Temperature Reading:** Ensure the external sensor is properly connected and not damaged. Avoid placing the thermostat in direct sunlight or near heat sources that could affect its readings.
- **No Heating:** Verify that the thermostat is set to a temperature higher than the current room temperature. Check the heating system's circuit breaker. Ensure the thermostat is in an active heating mode (not off or in a scheduled 'off' period).
- **App Connectivity Issues:** Ensure your home WiFi network is 2.4GHz and stable. Restart your router and the thermostat. Re-attempt the pairing process in the Tuya Smart Life app. Confirm the app is updated to the latest version.
- **Voice Control Not Working:** Ensure the thermostat is successfully linked to your Amazon Alexa or Google Home account within the Tuya Smart Life app. Check your internet connection and the functionality of your voice assistant device.
- **Display Unlocking Difficulty:** Some users report the display being slightly stiff to detach from the base plate during installation. Apply gentle, even pressure.

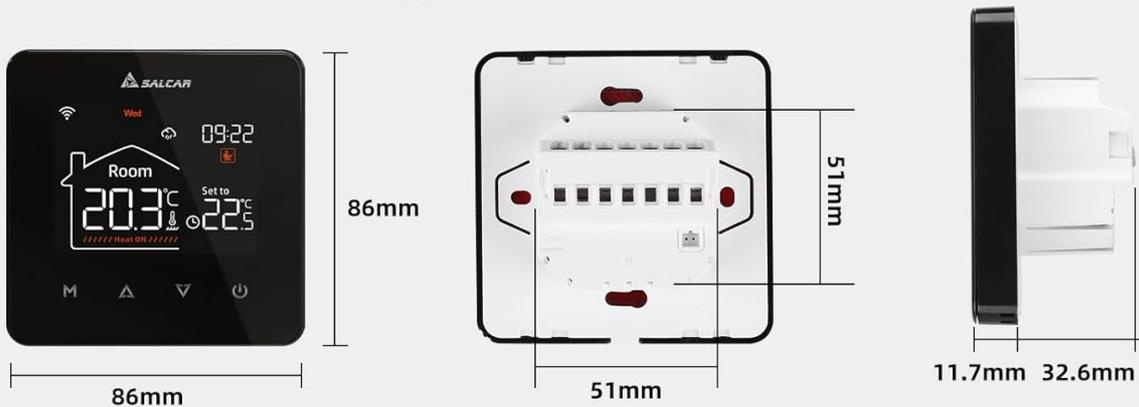
If problems persist after attempting these steps, please contact SALCAR customer support for further assistance.

7. SPECIFICATIONS

Detailed technical specifications for the SALCAR V4W.716 WiFi Smart Thermostat:



Produktgröße



 2.4G WIFI

Image 7.1: This image provides the physical dimensions of the SALCAR V4W.716 thermostat, showing its front face (86mm x 86mm) and side profile (11.7mm front depth, 32.6mm back depth, 51mm total depth from wall).

Feature	Specification
Brand	SALCAR
Model	V4W.716
Product Dimensions	4.43 x 8.6 x 8.6 cm; 280 g
Specific Use	Electric plinth heater
Batteries Required	No
Controller Type	SmartThings (Tuya Smart Life App)
Special Features	Low battery indicator (if applicable), Temperature indicator, Programmable, Automatic scheduling, Frost protection

Feature	Specification
Color	Black
Connectivity	2.4G WiFi

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or contact SALCAR directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase for any warranty claims.

Related Documents - V4W.716

 <p>Bedienungsanleitung Wireless-N AP/Repeater Mini-Router</p>	<p>Bedienungsanleitung Salcar Wireless-N Mini-Router AP/Repeater</p> <p>Anleitung zur Einrichtung und Konfiguration des Salcar Wireless-N Mini-Routers als Access Point, Router, Repeater, Bridge oder Client. Beinhaltet Netzwerkeinstellungen, Fehlerbehebung, Entsorgung und Garantieinformationen.</p>
<p><small>Modello di raccolta dei dati</small></p> <p><small>Salcar è un marchio registrato di Salcar. Tutti i diritti sono riservati. Salcar non è responsabile per danni diretti o indiretti, perdita di dati o danni materiali. Salcar non è responsabile per danni diretti o indiretti, perdita di dati o danni materiali. Salcar non è responsabile per danni diretti o indiretti, perdita di dati o danni materiali.</small></p>	<p>Specifiche sulla Raccolta e Trattamento Dati - Termostato Intelligente Salcar T5 W</p> <p>Dettagli tecnici completi sulla raccolta, accesso, elaborazione e trasmissione dei dati generati dal termostato intelligente Salcar T5 W, inclusi tipi di dati, condizioni di attivazione, frequenza, soggetti autorizzati e protocolli di sicurezza.</p>

Produktdatenblatt
 Salcarcar 910041 LED-Lichtquelle
 Salcarcar 910041 LED-Lichtquelle

Wichtige Informationen:
 Salcarcar 910041 LED-Lichtquelle

Parameter	Wert	Einheit	Standardwert	Norm
Leuchtdichte	100	lm/W	100	EN 50363
Leuchtdichte bei 25°C	100	lm/W	100	EN 50363
Leuchtdichte bei 50°C	100	lm/W	100	EN 50363
Leuchtdichte bei 75°C	100	lm/W	100	EN 50363
Leuchtdichte bei 100°C	100	lm/W	100	EN 50363
Leuchtdichte bei 125°C	100	lm/W	100	EN 50363
Leuchtdichte bei 150°C	100	lm/W	100	EN 50363
Leuchtdichte bei 175°C	100	lm/W	100	EN 50363
Leuchtdichte bei 200°C	100	lm/W	100	EN 50363
Leuchtdichte bei 225°C	100	lm/W	100	EN 50363
Leuchtdichte bei 250°C	100	lm/W	100	EN 50363
Leuchtdichte bei 275°C	100	lm/W	100	EN 50363
Leuchtdichte bei 300°C	100	lm/W	100	EN 50363
Leuchtdichte bei 325°C	100	lm/W	100	EN 50363
Leuchtdichte bei 350°C	100	lm/W	100	EN 50363
Leuchtdichte bei 375°C	100	lm/W	100	EN 50363
Leuchtdichte bei 400°C	100	lm/W	100	EN 50363
Leuchtdichte bei 425°C	100	lm/W	100	EN 50363
Leuchtdichte bei 450°C	100	lm/W	100	EN 50363
Leuchtdichte bei 475°C	100	lm/W	100	EN 50363
Leuchtdichte bei 500°C	100	lm/W	100	EN 50363
Leuchtdichte bei 525°C	100	lm/W	100	EN 50363
Leuchtdichte bei 550°C	100	lm/W	100	EN 50363
Leuchtdichte bei 575°C	100	lm/W	100	EN 50363
Leuchtdichte bei 600°C	100	lm/W	100	EN 50363
Leuchtdichte bei 625°C	100	lm/W	100	EN 50363
Leuchtdichte bei 650°C	100	lm/W	100	EN 50363
Leuchtdichte bei 675°C	100	lm/W	100	EN 50363
Leuchtdichte bei 700°C	100	lm/W	100	EN 50363
Leuchtdichte bei 725°C	100	lm/W	100	EN 50363
Leuchtdichte bei 750°C	100	lm/W	100	EN 50363
Leuchtdichte bei 775°C	100	lm/W	100	EN 50363
Leuchtdichte bei 800°C	100	lm/W	100	EN 50363
Leuchtdichte bei 825°C	100	lm/W	100	EN 50363
Leuchtdichte bei 850°C	100	lm/W	100	EN 50363
Leuchtdichte bei 875°C	100	lm/W	100	EN 50363
Leuchtdichte bei 900°C	100	lm/W	100	EN 50363
Leuchtdichte bei 925°C	100	lm/W	100	EN 50363
Leuchtdichte bei 950°C	100	lm/W	100	EN 50363
Leuchtdichte bei 975°C	100	lm/W	100	EN 50363
Leuchtdichte bei 1000°C	100	lm/W	100	EN 50363

Das Modell wurde auf dem Hersteller-Webseite geprüft, und nur die Daten des Herstellers sind zu verwenden.

Hersteller: Salcarcar 910041 LED-Lichtquelle
 Website: www.salcarcar.com
 E-Mail: info@salcarcar.com
 Telefon: +353 87 234 5678
 Fax: +353 87 234 5678

Produktdatenblatt Salcar 910041 LED-Lichtquelle

Detaillierte technische Spezifikationen und Energieverbrauchsinformationen für die Salcar 910041 LED-Lichtquelle gemäß EU-Verordnung 2019/2015.

Produktdatenblatt
 Salcarcar LV12 LED-Lichtquelle
 Salcarcar LV12 LED-Lichtquelle

Wichtige Informationen:
 Salcarcar LV12 LED-Lichtquelle

Parameter	Wert	Einheit	Standardwert	Norm
Leuchtdichte	100	lm/W	100	EN 50363
Leuchtdichte bei 25°C	100	lm/W	100	EN 50363
Leuchtdichte bei 50°C	100	lm/W	100	EN 50363
Leuchtdichte bei 75°C	100	lm/W	100	EN 50363
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 Website: www.salcarcar.com
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 Telefon: +353 87 234 5678
 Fax: +353 87 234 5678

Salcar LV12 LED Produktdatenblatt - Technische Spezifikationen

Detailliertes Produktdatenblatt für die Salcar LV12 LED-Lichtquelle, inklusive Energieeffizienz, Lichtstrom, Farbwiedergabeindex und technischen Spezifikationen gemäß EU-Verordnung 2019/2015.

