

## LyLmLe R-PL34-CS35W-S

# LyLmLe LED Pool Light Instruction Manual

Model: R-PL34-CS35W-S

## 1. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or other injuries.

- This product operates on 12V AC. Ensure your power supply matches this requirement.
- **Important:** This light works ONLY with a double-wound safety isolating transformer. It is NOT compatible with electronic transformers. Using an incompatible transformer can damage the light and pose a safety risk.
- Installation should be performed by a qualified electrician in accordance with local electrical codes and regulations.
- The light must be installed at a minimum depth of 300mm from the junction box to the water level and a minimum of 450mm from the water level to the lamp.
- Ensure all connections are waterproof and secure to prevent water ingress.
- Do not operate the light out of water for extended periods, as this can lead to overheating and damage.
- This product is IP68 rated, meaning it is fully protected against dust and can withstand continuous immersion in water under specified conditions.
- The product is certified CE, RoHS, FCC, EMC, and LVD, ensuring compliance with relevant safety and environmental standards.

## Transformer Compatibility

It is crucial to use the correct type of transformer for safe and proper operation.



**Works with Double-Wound Safety Isolating Transformer ONLY**



**Not compatible with Electronic Transformer**



Figure 1: Compatible (top row) and Incompatible (bottom row) Transformer Types. Only use double-wound safety isolating transformers.

## 2. PRODUCT OVERVIEW

The LyLmLe 35W Resin-Filled RGB LED Pool Light is an ultra-thin, high-performance lighting solution designed for swimming pools. Its resin-filled construction ensures exceptional durability and 100% waterproofing, preventing leaks and breakage.



Figure 2: LyLmLe 35W RGB LED Pool Light.

### Key Features:

- **Exceptional Durability:** Ultra-thin, resin-filled design for 100% waterproofing (IP68 rated), preventing leaks and breakage.
- **Vibrant Color Modes:** Features 14 color modes, including 7 static colors (with adjustable brightness) and 7 dynamic modes (with adjustable speed), such as color transition, fade, change, and jump.
- **Wide Beam Angle:** A 140° beam angle provides uniform and expansive illumination for your pool.
- **Energy Efficient:** 35W LED light provides bright illumination with lower energy consumption compared to traditional halogen bulbs.
- **Long Lifespan:** Designed for a lifespan of approximately 50,000 hours.
- **Easy Installation:** Designed for standard cross brace installation, making it ideal for replacing old bulbs without re-drilling.

### Product Dimensions:

## Dimension



Figure 3: Product Dimensions. Diameter: 275mm, Thickness: 33mm.

## Energy Efficiency:

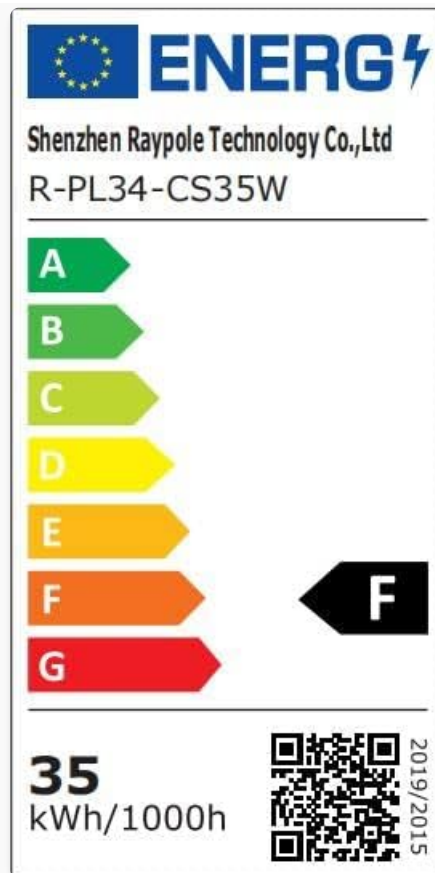


Figure 4: EU Energy Label. This product has an energy efficiency rating of F. For more details, visit the [EPREL database](#).

### 3. SETUP AND INSTALLATION

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Follow these steps for proper installation of your LyLmLe LED pool light. Professional installation is highly recommended.

#### Wiring Diagram:

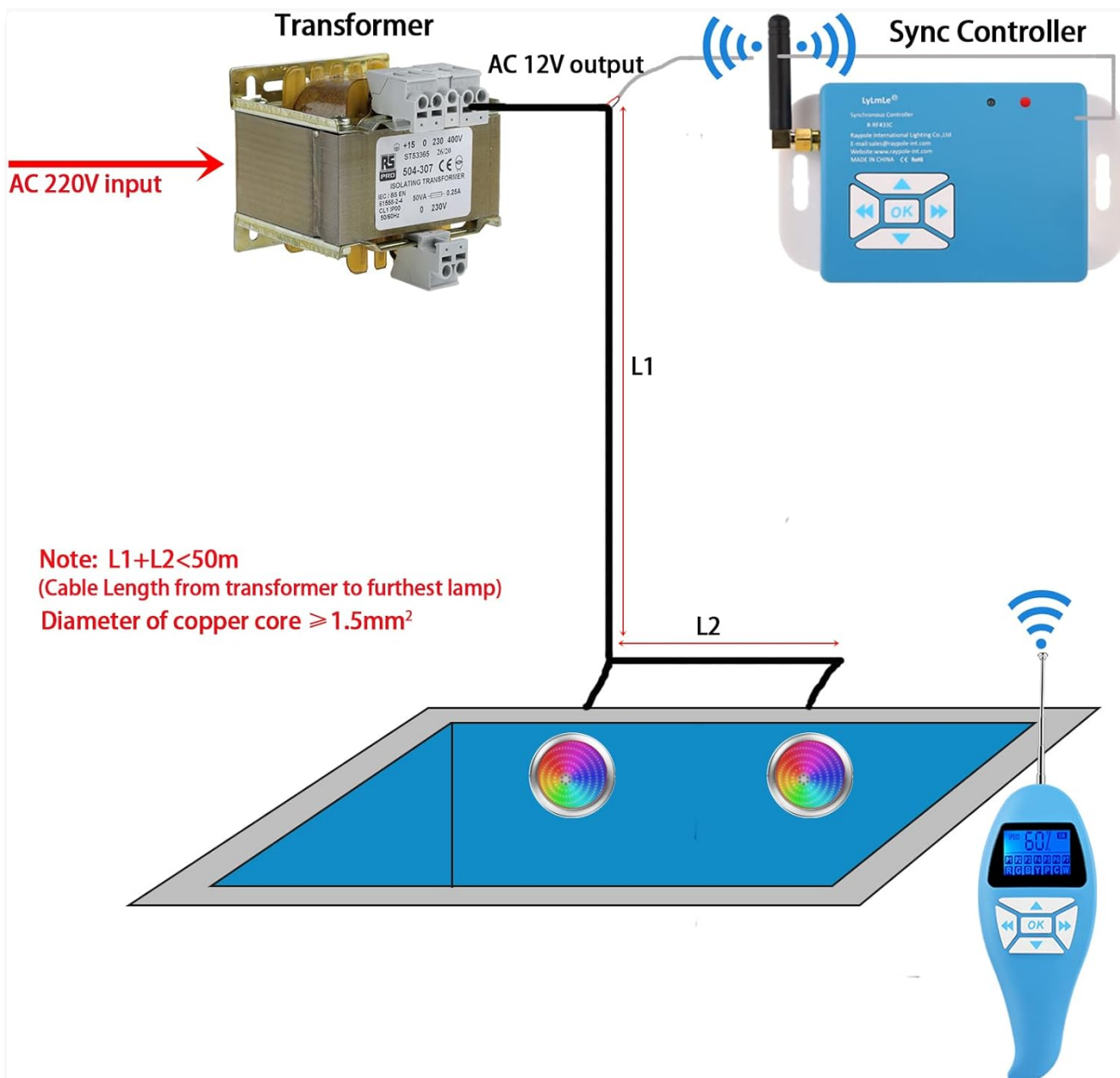


Figure 5: Wiring Diagram. Connect AC 220V input to a compatible transformer, then 12V AC output to the sync controller, and finally to the pool lights. Ensure total cable length ( $L1+L2$ ) is less than 50m and copper core diameter is at least  $1.5mm^2$ .

### Installation Steps:

1. **Prepare the Installation Area:** Ensure the pool wall is clean and free of debris. The light should be installed at the recommended depth (min 450mm from water level).
2. **Mount the Cross Brace:** Secure the standard cross brace to the pool wall using appropriate screws.
3. **Connect Wiring:** Route the electrical cable through the designated opening in the cross brace. Connect the light's cable to the 12V AC output from your transformer/sync controller, ensuring waterproof connections.
4. **Attach the Light:** Align the light with the mounted cross brace and secure it firmly by tightening the screws.



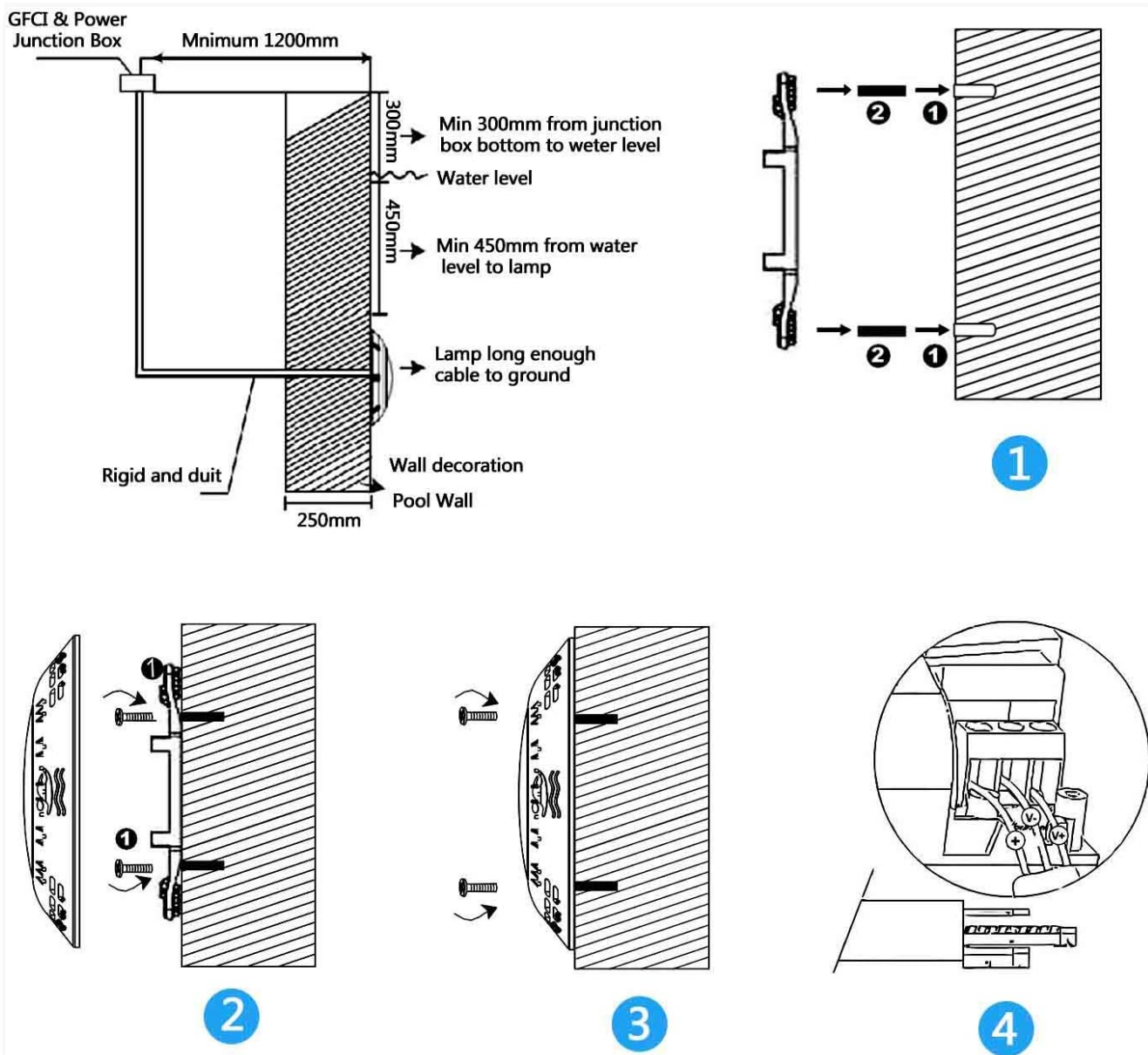


Figure 6: Detailed Installation Steps.

## 4. OPERATING INSTRUCTIONS

The LyMLe LED pool light offers 14 distinct color modes for a customizable lighting experience. While the lamp itself does not include a controller, it is designed to work with an external synchronous controller (e.g., models RF433C and R-RF433R, available separately from LyMLe).

### Color Modes and Control:

# 14 RGB Program

One Synchronous Controller can Sync Multi-Bulbs Together

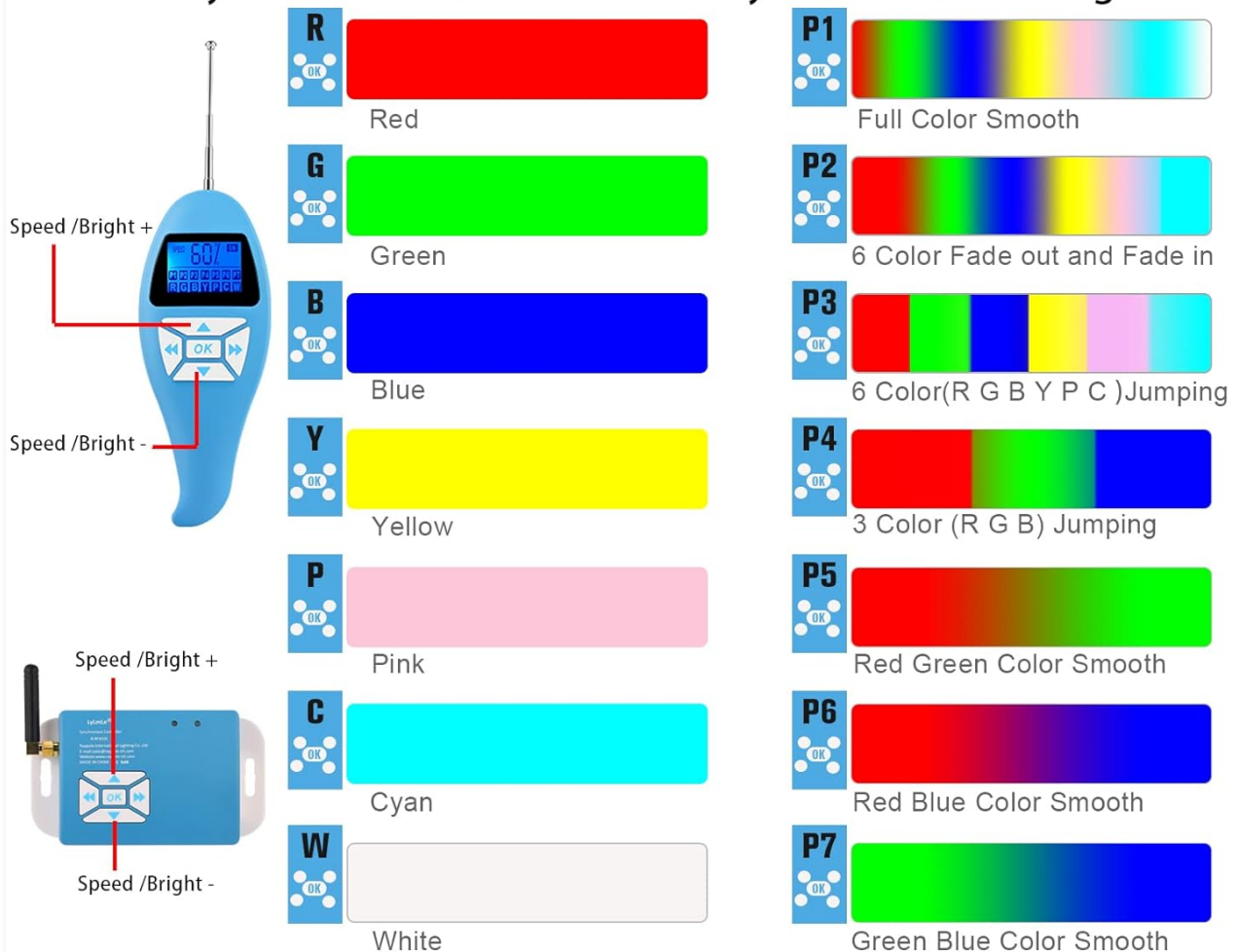


Figure 7: 14 RGB Program Modes and Remote Control.

- **Static Modes (7):** Red, Green, Blue, Yellow, Pink, Cyan, White. Brightness is adjustable for these modes.
- **Dynamic Modes (7):** Full Color Smooth, 6 Color Fade out and Fade in, 6 Color (RGBYPC) Jumping, 3 Color (RGB) Jumping, Red Green Color Smooth, Red Blue Color Smooth, Green Blue Color Smooth. Speed is adjustable for these modes.
- **Synchronization:** If you have multiple LyLmLe synchronous pool lights connected to the same controller, they will synchronize their color changes.
- **Control:** Use the external synchronous controller (remote or wall-mounted unit) to switch between modes, adjust brightness, and change speed. Refer to the controller's specific instructions for detailed operation.

## 5. MAINTENANCE

The LyLmLe LED pool light is designed for minimal maintenance due to its robust construction.

### Cleaning:

- Periodically clean the surface of the light to remove any algae, mineral deposits, or debris that may



accumulate and affect light output.

- Use a soft cloth or sponge and mild, non-abrasive cleaning solutions specifically designed for pool equipment. Avoid harsh chemicals that could damage the light's resin or plastic components.
- For information on recycling your bulbs, please refer to local recycling guidelines.

Durability and Waterproofing:

The light's resin-filled interior provides superior protection against water intrusion.

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: Shenzhen Raxipole Technology Co., Ltd			
Adresse du fournisseur: CXT PRODUCT SERVICE SP. Z O.O., ul. Długa 33 502, 95-100 Zgierz polon, PL			
Référence du modèle: R-PL34-CL35W			
Type de source lumineuse:			
Technologie d'éclairage utilisée:	LED	Non-digine ou digite:	NOL5
Type de culot de la source lumineuse:	/		
Un d'autre interface électrique:			
Secteur ou non secteur:	NAL5	Source lumineuse connectée (SLC):	Oui
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 (W <sub>W</sub> /1000h), arrondi à l'entier supérieur le plus proche	35	Classe d'efficacité énergétique	E
Flux lumineux utile (lm <sub>u</sub> ), avec indication qu'il se réfère au flux dans une sphère (SOP), dans un cône large (SOP) ou dans un cône étroit (SOP)	4 000 sur Cône large (SOP)	Température de couleur nominale, arrondi à la centaine de K la plus proche, ou la plage de températures de couleur nominale qui peuvent être réglées	7 000
Puissance en mode marche (P <sub>W</sub> ), exprimée en W	34,8	Puissance en mode veille (P <sub>W</sub> ), exprimée en W et arrondi à la deuxième décimale	-
Puissance en mode veille (P <sub>W</sub> ), pour SLC, exprimée en W et arrondi à la deuxième décimale	-	Indice de rendu des couleurs, arrondi à l'entier le plus proche, ou la plage	87
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de valeurs d'IRC qui peuvent être réglées			
Dimensions extérieures en mm, sans appareillage de commande séparé, éléments de régulation de l'éclairage ne fonctionnent sans fonction d'éclairage (le cas échéant)	Hauteur: 290 Largeur: 290 Profondeur: 33	Distribution de la puissance spectrale dans la plage de 250 nm à 800 nm, à pleine charge	Voir l'image de la page précédente
Déclaration de puissance équivalente <sup>W</sup>	-	Si oui, puissance équivalente (W)	-
		Coordonnées chromatiques (x et y)	0,319 0,322
Paramètres pour les sources lumineuses LED et OLED			
RF valeur de l'indice de rendu des couleurs	6	Facteur de survie	1,00
Facteur de conservation du flux lumineux	0,96		
W <sub>1</sub> : sans objet W <sub>2</sub> : sans objet			

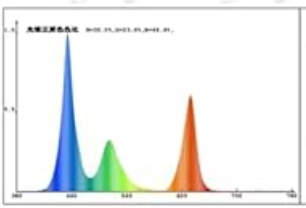




Figure 8: IP68 Waterproof Test. Each lamp undergoes rigorous testing to ensure compliance with IP68 standards for reliable underwater use.

## 6. TROUBLESHOOTING

If you encounter issues with your LyLmLe LED pool light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; Incorrect transformer; Loose wiring; Faulty light.	Check power source and circuit breaker. Verify transformer type (must be double-wound safety isolating). Inspect all wiring connections for tightness. If issues persist, contact support.
Colors are incorrect or not changing.	Controller issue; Synchronization issue (multiple lights); Power cycle needed.	Ensure the external controller is functioning correctly and within range. For multiple lights, ensure they are properly synchronized. Try turning the power off to the light for 10 seconds, then back on.
Remote control not working.	Battery low/dead; Remote out of range; Interference.	Replace remote batteries. Ensure remote is within effective range of the sync controller. Minimize potential signal interference.
Light flickers or dims unexpectedly.	Unstable power supply; Voltage drop; Overheating.	Verify stable 12V AC power. Check cable length and gauge ( $L1+L2 < 50m$ , copper core $\geq 1.5mm^2$ ). Ensure adequate water circulation around the light to prevent overheating.

## 7. SPECIFICATIONS

Specification	Value
Brand	LyLmLe
Model Number	R-PL34-CS35W-S



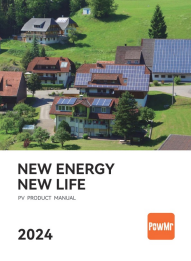



Specification	Value
Dimensions (L x W x H)	27.5 x 27.5 x 3.3 cm
Weight	1.09 Kilograms
Ingress Protection (IP) Rating	IP68
Style	Transitional
Color	RGB (35w)
Material	Acrylonitrile Butadiene Styrene (ABS), Resin
Number of Bulbs	441 (LEDs)
Voltage	12 Volts AC
Specific Uses	Pool
Special Features	Sync Control, Dimmable, Underwater Use Only, Corded, Waterproof
Luminous Flux	1400 lm
Wattage	35 Watts
Beam Angle	140°
Color Rendering Index (CRI)	80.00
Average Lifespan	50,000 Hours
Power Source	Corded Electric
Installation Type	Surface Mount

## 8. WARRANTY AND SUPPORT

LyLmLe is a professional LED manufacturer committed to quality and customer satisfaction. Your investment in our product is backed by our promise of quality.

- The product is manufactured with high-quality components and undergoes strict quality control.
- For any technical assistance, product inquiries, or support needs, please refer to the contact information provided with your purchase or visit the official LyLmLe brand store on Amazon.



	<p><a href="#">LyLmLe LED Pool Light: User Manual, Installation &amp; APP Guide</a></p> <p>Comprehensive guide for LyLmLe LED pool lights, covering installation for various pool types, safety precautions, specifications, and Bluetooth APP control. Includes troubleshooting tips for a seamless experience.</p>
	<p><a href="#">LyLmLe LED Pool Lights: User Manual, Installation Guide &amp; App Control</a></p> <p>Comprehensive guide for LyLmLe LED pool lights, covering installation for various pool types, safety instructions, app connectivity, and troubleshooting. Features low voltage, magnetic mounting, and smart control via a mobile app.</p>
	<p><a href="#">PowMr Solar Energy Products Manual and Catalog 2024</a></p> <p>Explore the PowMr PV Product Manual and Catalog 2024, featuring solar controllers, inverters, batteries, and panels. Learn about Shenzhen Hehejin Industrial Co., Ltd.'s commitment to new energy solutions and global service.</p>
<p>R&amp;S®FSVA3000/R&amp;S®FSV3000 Signal and Spectrum Analyzer User Manual</p> 	<p><a href="#">R&amp;S FSVA3000/FSV3000 Signal and Spectrum Analyzer User Manual</a></p> <p>Comprehensive user manual for the Rohde &amp; Schwarz FSVA3000 and FSV3000 Signal and Spectrum Analyzers, detailing features, operation, and measurement applications.</p>
<p>R&amp;S®SMA100B RF Signal Generator User Manual</p> 	<p><a href="#">R&amp;S®SMA100B RF Signal Generator User Manual - Rohde &amp; Schwarz</a></p> <p>Comprehensive user manual for the Rohde &amp; Schwarz R&amp;S®SMA100B RF Signal Generator, covering setup, operation, signal generation, modulation, remote control, and maintenance.</p>
<p>R&amp;S®RTP High-Performance Oscilloscope Specifications</p> 	<p><a href="#">R&amp;S®RTP High-Performance Oscilloscope Specifications</a></p> <p>Detailed specifications for the Rohde &amp; Schwarz R&amp;S®RTP High-Performance Oscilloscope, covering its features, options, and capabilities for advanced signal integrity and waveform analysis.</p>