**LQWELL 90376**

# LQWELL® LED Ceiling Light Instruction Manual

Model: 90376

| | | | |
|---|---|---|---|
| **Product Overview** | **Safety Information** | **Package Contents** | **Setup & Installation** |
| **Operating Instructions** | **Maintenance** | **Troubleshooting** | **Specifications** | **Warranty & Support** |

## 1. PRODUCT OVERVIEW

The LQWELL® LED Ceiling Light is a modern and slim lighting fixture designed for various indoor environments. This square flat light, model 90376, provides 3000K warm white light with a brightness of 1600 lumens and operates at 18 watts. Its IP44 waterproof rating makes it suitable for areas prone to moisture, such as bathrooms and balconies. The design emphasizes ease of installation, natural color rendering, and eye protection.

**Figure 1.1:** The LQWELL LED Ceiling Light, showcasing its square, flat design and warm illumination.

## Key Features:

- **Versatile Lighting:** Provides 3000K warm white light, suitable for living rooms, bedrooms, kitchens, bathrooms, corridors, basements, and offices.
- **IP44 Waterproof Design:** Ensures water resistance, making it ideal for moist environments. The sealed structure prevents insect and dust ingress, maintaining cleanliness over time.
- **Easy & Quick Installation:** Features a user-friendly design with an adjustable connection clamp for simple, single-person installation.
- **Natural Color & Eye Protection:** A Color Rendering Index (CRI) of over 92 ensures light is closer to natural colors, reducing eye strain with soft, evenly distributed illumination.
- **Excellent Craftsmanship:** Slim profile of 2.4 cm saves space. Frosted lampshade provides an elegant aesthetic and efficient light transmission.
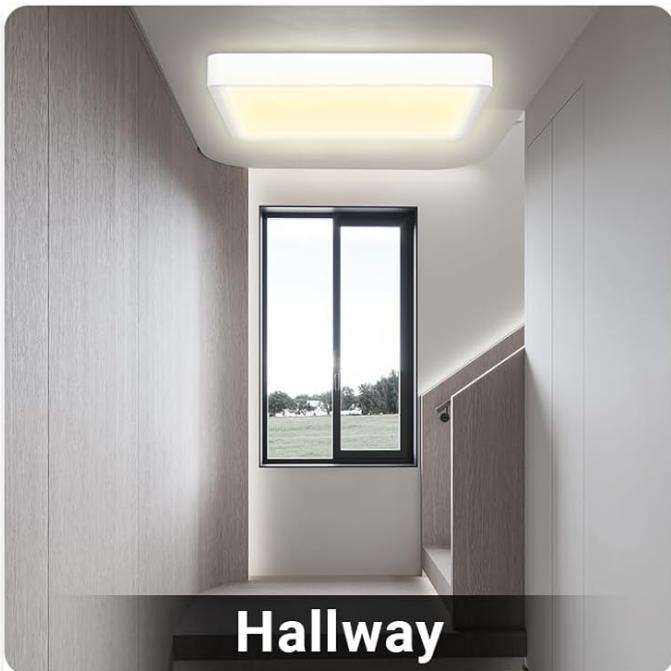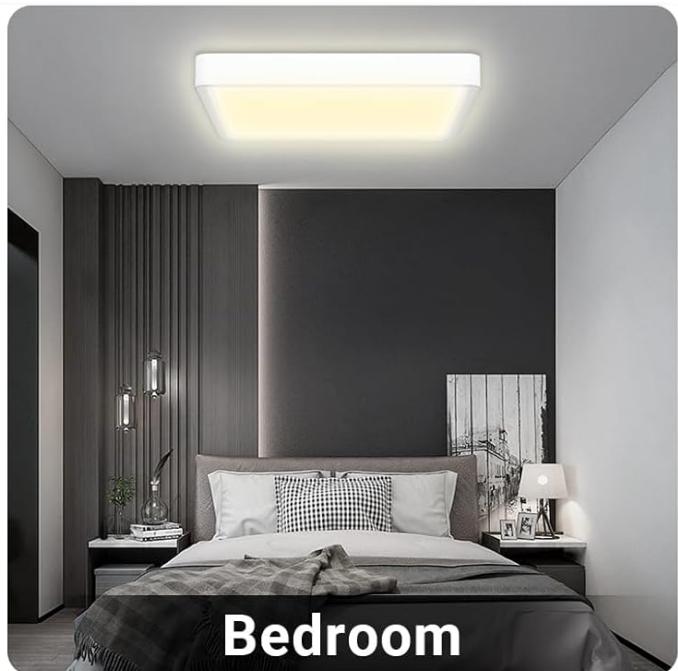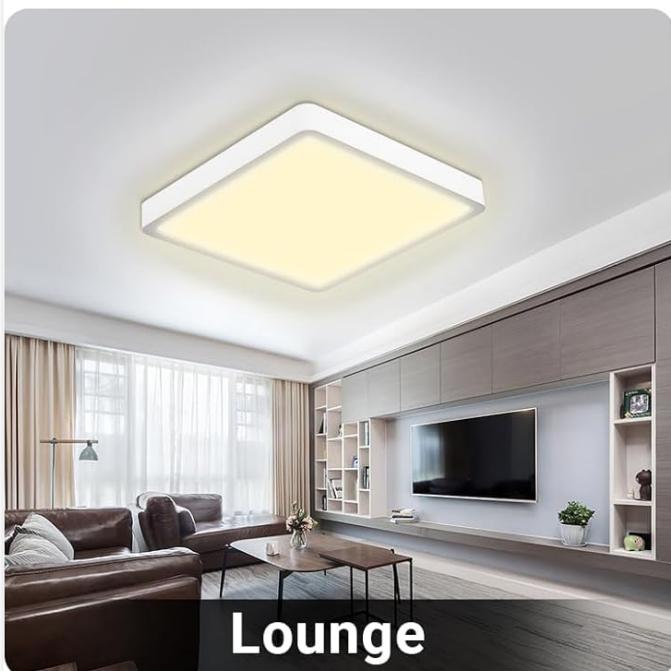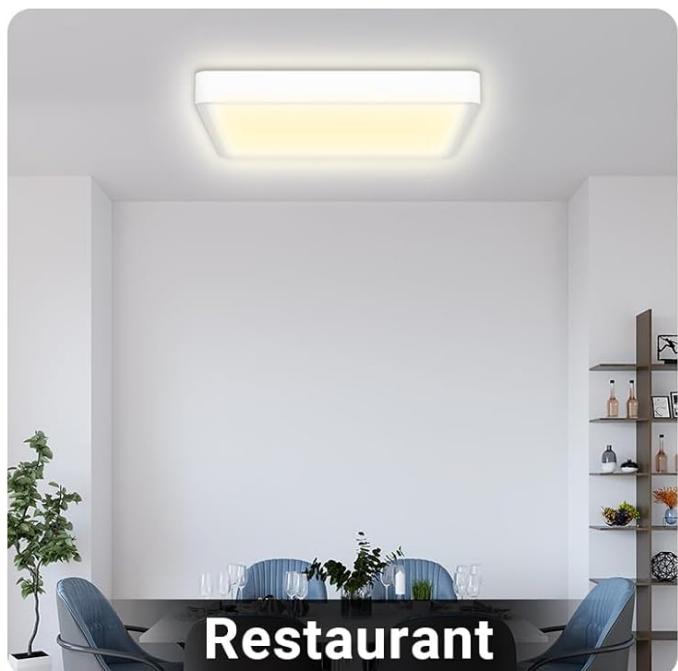
**Figure 1.2:** Examples of the LQWELL LED Ceiling Light installed in different environments, including a hallway, bedroom, lounge, and restaurant, demonstrating its versatile application.

## 2. SAFETY INFORMATION

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

- **Electrical Safety:** Ensure the main power supply is turned off at the circuit breaker before attempting any installation, maintenance, or troubleshooting.
- **Qualified Electrician:** If you are unsure about the installation process, consult a qualified electrician.
- **Voltage Compatibility:** This light fixture is designed for AC220-240V input voltage. Verify your electrical system's voltage before installation.
- **IP44 Rating:** The IP44 rating indicates protection against solid objects larger than 1mm and splashes of water from any direction. While suitable for damp locations like bathrooms, it is not designed for submersion or direct water jets.
- **Mounting Surface:** Mount the fixture only on surfaces that can support its weight and are free from obstructions.

- **Heat Dissipation:** Do not cover the light fixture with insulating material or any other material that could impede heat dissipation.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use abrasive cleaners or solvents.



**Figure 2.1:** The LQWELL LED Ceiling Light in a bathroom setting, illustrating its IP44 waterproof design suitable for moist environments.

## 3. PACKAGE CONTENTS

Carefully unpack the box and ensure all items are present and undamaged. If any items are missing or damaged, contact LQWELL customer support.

- LQWELL LED Ceiling Light Fixture (Model 90376)
- Mounting Hardware (screws, wall anchors, etc.)
- Instruction Manual (this document)

## 4. SETUP & INSTALLATION

The LQWELL LED Ceiling Light is designed for easy and quick installation. Follow these steps carefully:

1. **Turn Off Power:** Before starting, ensure the main power supply to the installation area is turned off at the circuit breaker to prevent electric shock.

2. **Prepare Mounting Surface:** Identify the desired mounting location on the ceiling. Ensure the surface is clean, dry, and structurally sound.

3. **Attach Mounting Bracket:** Secure the mounting bracket (if separate) to the ceiling using the provided screws and wall anchors. Ensure it is firmly attached.

4. **Connect Wiring:** Connect the electrical wires from the ceiling to the light fixture's terminals. Typically, this involves connecting the live (L), neutral (N), and ground (GND) wires. Ensure all connections are secure and insulated.

5. **Mount the Fixture:** Align the light fixture with the mounting bracket. The user-friendly adjustable connection clamp allows for easy sliding and securing of the fixture onto the base. Push the fixture firmly into place until it clicks or is securely fastened.

6. **Restore Power:** Once the fixture is securely installed and all connections are checked, restore power at the circuit breaker.

7. **Test Light:** Turn on the light switch to verify proper operation.

*Note: The light is designed for single-person installation without the need for an electrician, but professional assistance is recommended if you are unfamiliar with electrical installations.*

## 5. OPERATING INSTRUCTIONS

Operating the LQWELL LED Ceiling Light is straightforward:

- **Turning On/Off:** Use the standard wall light switch connected to the fixture to turn the light on or off.
- **Light Color:** This specific model (90376) provides a fixed 3000K warm white light. There are no adjustable color temperature settings on this model.

**Figure 5.1:** The LQWELL LED Ceiling Light demonstrating its key specifications: 3000K color temperature, 18W power consumption, 1600 lumens brightness, CRI ≥ 92, and IP44 waterproof rating.

## Eye Protection Features:

The LQWELL ceiling light is designed with eye comfort in mind:

- **High CRI:** With a Color Rendering Index (CRI) of over 92, the light accurately renders colors, making objects appear more natural and vibrant.
- **No Flicker:** The advanced design ensures no visible flickering, which can cause eye strain and discomfort.
- **No Dizziness:** The stable and uniform light output prevents the sensation of dizziness often associated with poor quality lighting.

**Figure 5.2:** A visual comparison highlighting the LQWELL light's "No Flicker" and "No Dizziness" features, contributing to eye protection, as opposed to other lights that may cause these issues.

**Figure 5.3:** This image demonstrates the superior color rendering of the LQWELL light (CRI ≥ 92) compared to lights with a lower CRI (<80), showing how colors appear more natural and vibrant under high CRI illumination.

## 6. MAINTENANCE

The LQWELL LED Ceiling Light requires minimal maintenance due to its sealed design.

- **Cleaning:** To clean the exterior of the fixture, first ensure the power is turned off at the circuit breaker. Use a soft, dry, or slightly damp cloth to wipe the surface. Do not use harsh chemicals, abrasive cleaners, or solvents, as these can damage the finish.
- **Dust and Insect Prevention:** The sealed and compact lamp body structure is designed to effectively prevent mosquitoes and dust from entering the light fixture. This feature reduces the need for internal cleaning and helps maintain the light's aesthetic and performance over time.
- **No User-Serviceable Parts:** The LED components are integrated and not user-replaceable. Do not attempt to disassemble the fixture.

# 7. TROUBLESHOOTING

If you encounter issues with your LQWELL LED Ceiling Light, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---------|---------------|----------|
| Light does not turn on. | No power supply. Loose wiring connection. Faulty wall switch. | Check if the circuit breaker is tripped. Ensure power is on. Turn off power and check all wiring connections are secure. Test the wall switch with another device or consult an electrician. |
| Light flickers or dims. | Unstable power supply. Loose wiring. Incompatible dimmer switch (if applicable, though this model is not specified as dimmable). | Ensure stable power. Check household wiring. Turn off power and re-secure all wiring connections. If a dimmer is used, ensure it is LED-compatible. If not, remove the dimmer. |
| Light is not bright enough. | Incorrect light chosen for room size. Dust accumulation on diffuser. | Verify the light's lumen output (1600 LM) is suitable for your room's requirements. Clean the diffuser surface as per maintenance instructions. |
| Water or insects inside the fixture. | Improper installation or damaged seal. | Ensure the fixture is correctly installed and sealed against the mounting surface. Check for any visible damage to the fixture's body or seals. If damage is present, contact customer support. |

If the problem persists after attempting these solutions, please contact LQWELL customer support for further assistance.

# 8. SPECIFICATIONS

Detailed technical specifications for the LQWELL LED Ceiling Light (Model 90376):

| Attribute | Value |
|-----------|-------|
| Brand | LQWELL |
| Model Number | 90376 |
| Product Dimensions | 8.66"L x 8.66"W x 0.94"H (22 x 22 x 2.4 cm) |
| Item Weight | 1.98 pounds |
| Wattage | 18 watts |
| Luminous Flux | 1600 lumens |
| Color Temperature | 3000K (Warm White) |
| Color Rendering Index (CRI) | >92 |
| Voltage | AC220-240V |
| IP Rating | IP44 (Waterproof) |
| Number of Light Sources | 1 |

| Attribute | Value |
| --- | --- |
| Assembly Required | No |
| Batteries Required | No |
| Energy Efficiency Class | E (as per 2019/2015 EU regulation) |

# Ultra Thin

22cm
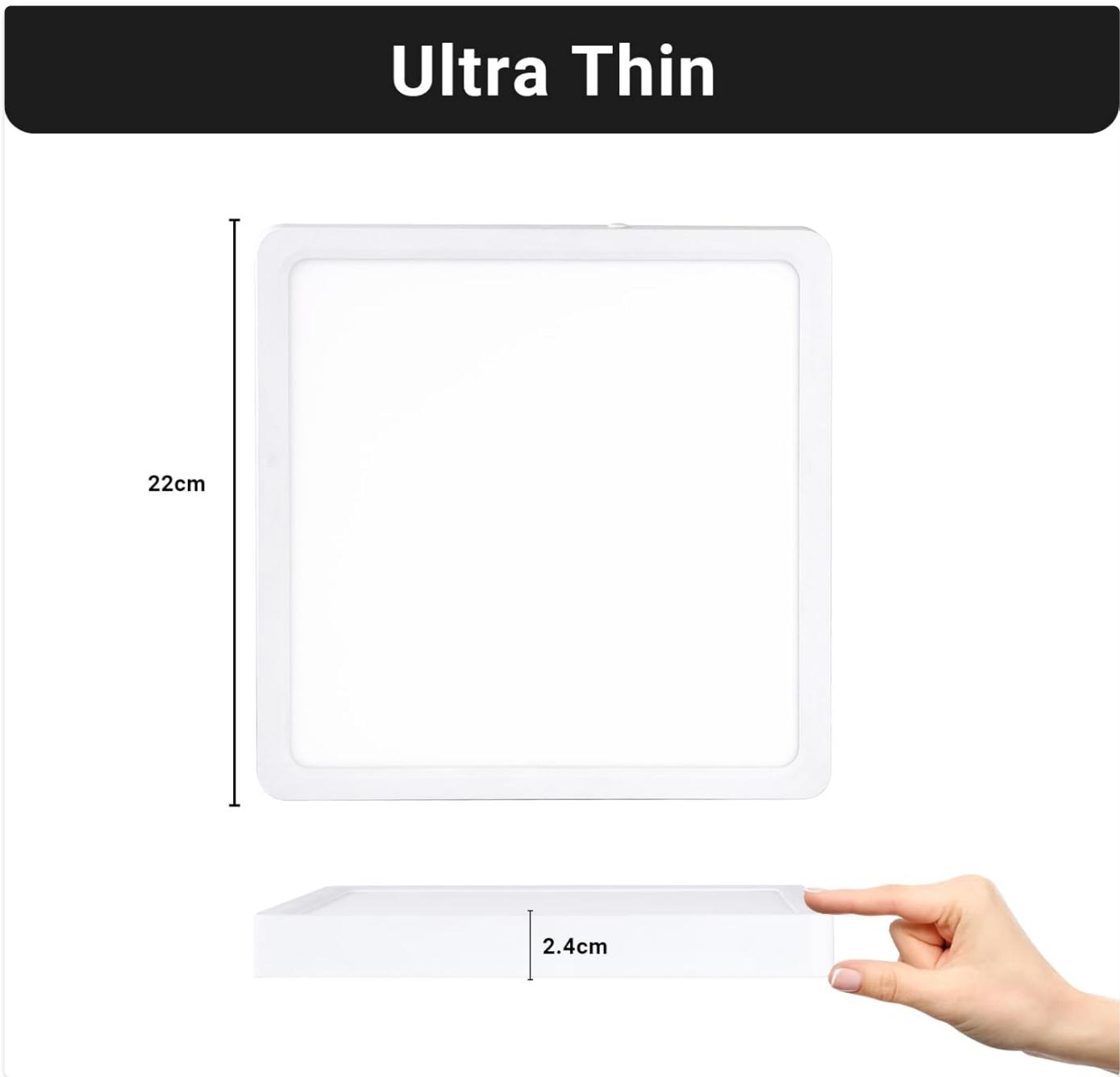
2.4cm

**Figure 8.1:** Dimensions of the LQWELL LED Ceiling Light, highlighting its ultra-thin profile of 2.4 cm.

### 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: | LQWELL | | |
| --- | --- | --- | --- |
| Adresse du fournisseur: Qin Luo, Am Bahndamm 5, 41334 Nettetal, DE | | | |
| Référence du modèle: HYJCD0014(90376) | | | |
| 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): | Connecting leads | | |
| Secteur ou non secteur: | NMLS | 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), rondie à l'entier supérieur le | 16 | Classe d'efficacité énergétique | E |

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°) | 2 200 sur Cône large (120)° | 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 | 3.000 |
| Puissance en mode «marche» (Pon), exprimée en W | 18,0 | Puissance en mode veille (Psb), exprimée en W et arrondie à la deuxième décimale | 0,00 |
| Puissance en mode veille (Pnet), 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 | 802 | 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 | 17 | | |
| | Profondeur | 1 | | |
| Déclaration de puissance équivalente* | | – | Si oui, puissance équivalente (W) | – |
| | | | Coordonnées chromatiques (x et y) | 0,440 / 0,403 |

Paramètres pour les sources lumineuses LED et OLED:

| | | | |
|---|---|---|---|
| R9 valeur de l'indice de rendu des couleurs | 1 | Facteur de survie | 0,90 |
| Facteur de conservation du flux lumineux | 0,96 | | |
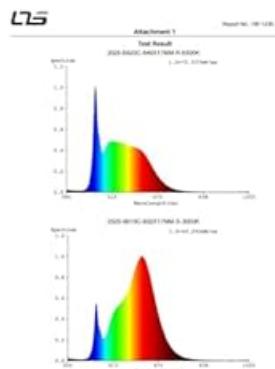
*1 : sans objet;
*2 : sans objet;

Model placed on the Union market from 02/05/2024

EPREL registration number: 2026800  https://eprel.ec.europa.eu/qr/2026800

Supplier: Europapa Handels GmbH (Importer)  Website: www.lqwell.de

Customer care service:

Name: Qin Luo  Website: www.lqwell.de

Email: info@europapa.com  Phone: +4917640219185

Address:
Am Bahndamm 5
41334 Nettetal
Allemagne

## 9. WARRANTY & SUPPORT

For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official LQWELL website. Warranty coverage typically includes defects in materials and workmanship under normal use.

### Customer Support:

If you have any questions, require technical assistance, or need to report an issue, please contact LQWELL customer support through their official channels. You can often find contact information on the product packaging, the LQWELL brand store on Amazon, or their official website.
Visit the official LQWELL Store on Amazon:LQWELL Store