YELLORE NG-RKT

YELLORE 240W Shoebox LED Retrofit Kit User Manual

Model: NG-RKT | Brand: YELLORE

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your YELLORE 240W Shoebox LED Retrofit Kit. This kit is designed to replace traditional 1000W MH/HPS/HID light fixtures, offering superior brightness and energy efficiency for various outdoor large area lighting applications.

2. Safety Information

WARNING: Risk of electric shock. Installation should only be performed by a qualified electrician in accordance with all applicable national and local electrical codes.

- Disconnect power before installation, servicing, or removing the fixture.
- Ensure the supply voltage is compatible with the fixture's requirements (AC100-277V).
- Proper grounding is required to ensure safety.
- Do not operate the fixture with damaged wiring or components.
- Avoid direct eye exposure to the light source when the fixture is powered on.

3. Package Contents

Verify that all components are present before beginning installation:

- YELLORE 240W Shoebox LED Retrofit Kit
- MEANWELL Driver
- E39 Mogul Screw Base
- Mounting Hardware (fasteners and wire nuts)

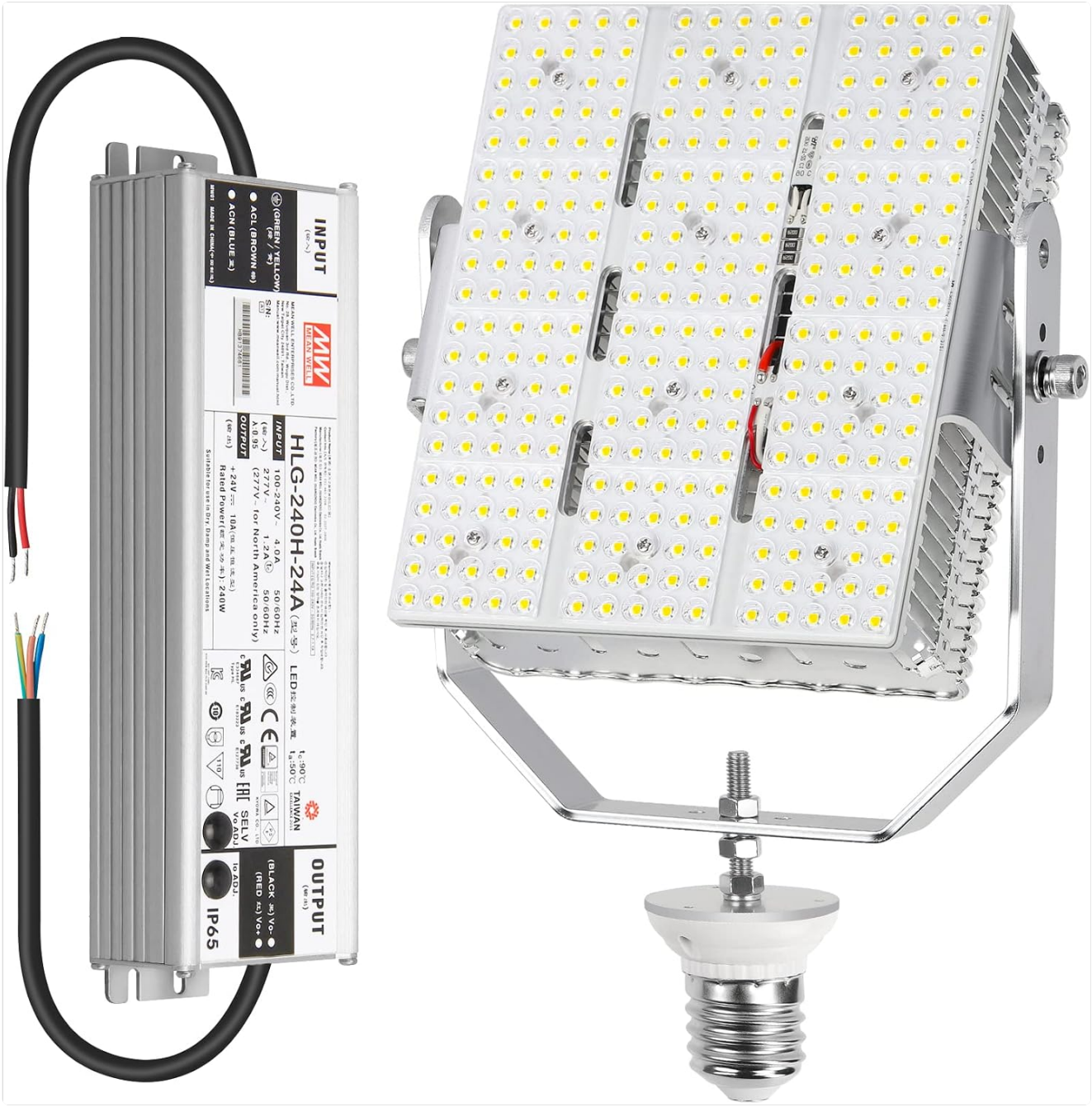


Figure 3.1: Main components of the YELLORE 240W Shoebox LED Retrofit Kit.

4. Specifications

Feature	Specification
Brand	YELLORE
Model Name	LED Parking Lot Light (NG-RKT)
Wattage	240 Watts
Voltage	AC100-277V
Brightness	34800 Lumens
Lumen Efficacy	145 Lm/W

Color Temperature	5000K (Daylight)
Color Rendering Index (CRI)	80+
Light Source Type	SMD3030 LED Chips
Driver	MEANWELL Driver
Lifespan	> 50,000 Hours
Base Type	E39 Mogul Base
Beam Angle	120 degrees
Material	Aluminum (Heat Sink)
Special Features	Adjustable bracket (vertical/horizontal), Efficient Heat Dissipation (Overheat protection sensor + Fin aluminum heat sink + High Speed fan), 6KV High voltage Surge test approved
Certifications	ETL, DLC Listed
Product Dimensions	12.8"L x 12.76"W x 5.87"H
Item Weight	6.61 Pounds

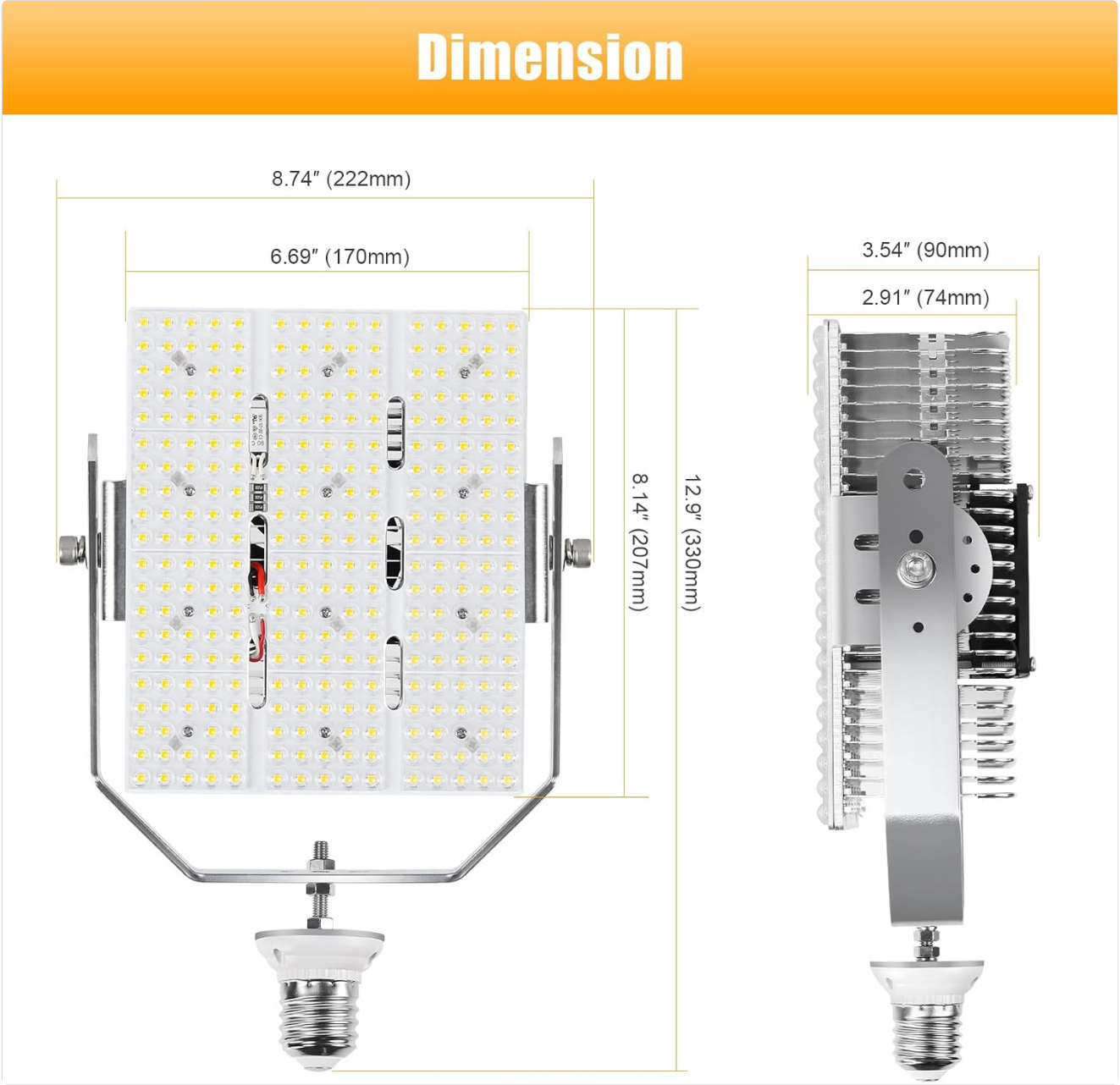


Figure 4.1: Detailed dimensions of the retrofit kit.

5. Installation Instructions

This retrofit kit is designed for easy and safe installation into existing fixtures. For detailed instructions, please refer to the official Installation Manual (PDF).

5.1 Overview of Components



Figure 5.1: Key components including MeanWell Power Supply, E39 Mogul Base, and Adjustable U bracket.

5.2 Step-by-Step Installation

1. **Prepare the Fixture:** Ensure the power to the existing fixture is completely disconnected. Remove the old bulb and ballast.
2. **Install E39/E40 Base:** Connect the provided E39 Mogul Screw Base into the fixture socket. This base is designed to be rotatable for optimal light direction.
3. **Connect Meanwell Driver:** Connect the Meanwell driver to the fixture's wiring. Ensure correct connections for ground (Green/Yellow), live (Brown/AC+), and neutral (Blue/AC-). The driver output connects to the retrofit kit (Black/N:DC-, Red/L:DC+).
4. **Mount the Retrofit Kit:** Secure the LED retrofit kit using the adjustable U bracket. This bracket allows for both horizontal and vertical mounting, and the light head can be rotated 180 degrees for precise aiming.
5. **Secure Wiring:** Ensure all wiring connections are secure and insulated.
6. **Restore Power:** Once installation is complete and verified, restore power to the fixture.



Figure 5.2: Visual guide for connecting the E39 base and Meanwell driver.



Figure 5.3: The mounting bracket allows for 180-degree rotation.

6. Operating Instructions

The YELLORE 240W Shoebox LED Retrofit Kit operates immediately upon power connection. No complex controls are required for basic illumination.

6.1 Light Adjustment

The adjustable U bracket and rotatable E39 base allow for precise light direction. Adjust the angle of the fixture and the rotation of the base to achieve the desired illumination area.

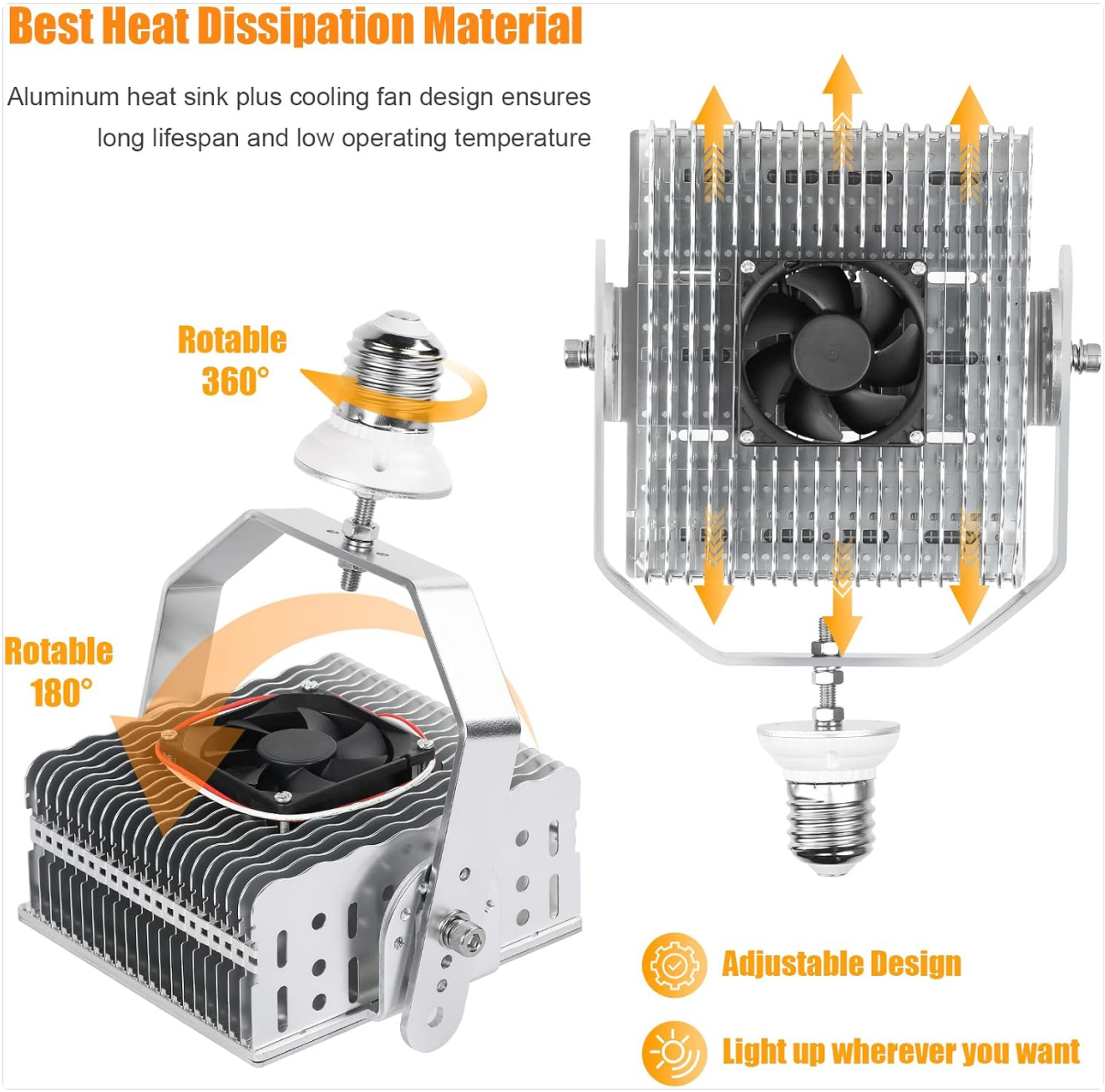


Figure 6.1: Adjustable design for optimal light positioning.

6.2 Energy Efficiency

This LED retrofit kit is designed to significantly reduce energy consumption compared to traditional metal halide lamps, providing high brightness with lower power usage.



Figure 6.2: Visual comparison highlighting the energy efficiency of the LED retrofit kit.

7. Maintenance

The YELLORE LED Retrofit Kit is designed for low maintenance. Regular inspection and cleaning can help ensure optimal performance and longevity.

- **Cleaning:** Periodically clean the lens cover with a soft, damp cloth to remove dust and debris that may obstruct light output. Do not use abrasive cleaners.
- **Heat Dissipation:** The fixture features an aluminum heat sink and a high-speed fan for efficient heat dissipation. Ensure the fan and heat sink fins are free from obstructions to prevent overheating.
- **Inspection:** Annually inspect wiring and connections for any signs of wear or damage.

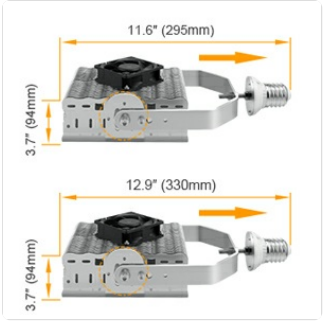


Figure 7.1: Efficient heat dissipation system with fan and heat sink.

8. Troubleshooting

If you encounter issues with your YELLORE LED Retrofit Kit, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on	No power supply, loose wiring, faulty driver	Check power source, verify all wiring connections are secure, inspect driver for damage.
Light flickers	Unstable power supply, loose connection, incompatible dimmer (if applicable)	Ensure stable power, check connections, remove dimmer if not compatible.
Reduced brightness	Dirty lens, component degradation	Clean the lens cover. If problem persists, contact customer support.

If the issue persists after attempting these solutions, please contact YELLORE customer support for assistance.

9. Warranty and Support

The YELLORE 240W Shoebox LED Retrofit Kit comes with a**5-Year Warranty**. This warranty covers defects in materials and workmanship under normal use.

- For warranty claims or technical support, please contact the YELLORE support team.
- Easy and fast replacement is offered if any quality issue arises.
- You can find more information and contact details on the officialYELLORE Store.



Figure 9.1: YELLORE product with key certifications and warranty.

10. Product Applications

The YELLORE 240W Shoebox LED Retrofit Kit is suitable for a wide range of outdoor lighting applications, including but not limited to:

- Parking Lots
- Street Lighting
- Sports Courts (e.g., Tennis Courts)
- Courtyards
- Gas Stations
- Barns and Warehouses
- Wall Pack Lights
- Flood Lights

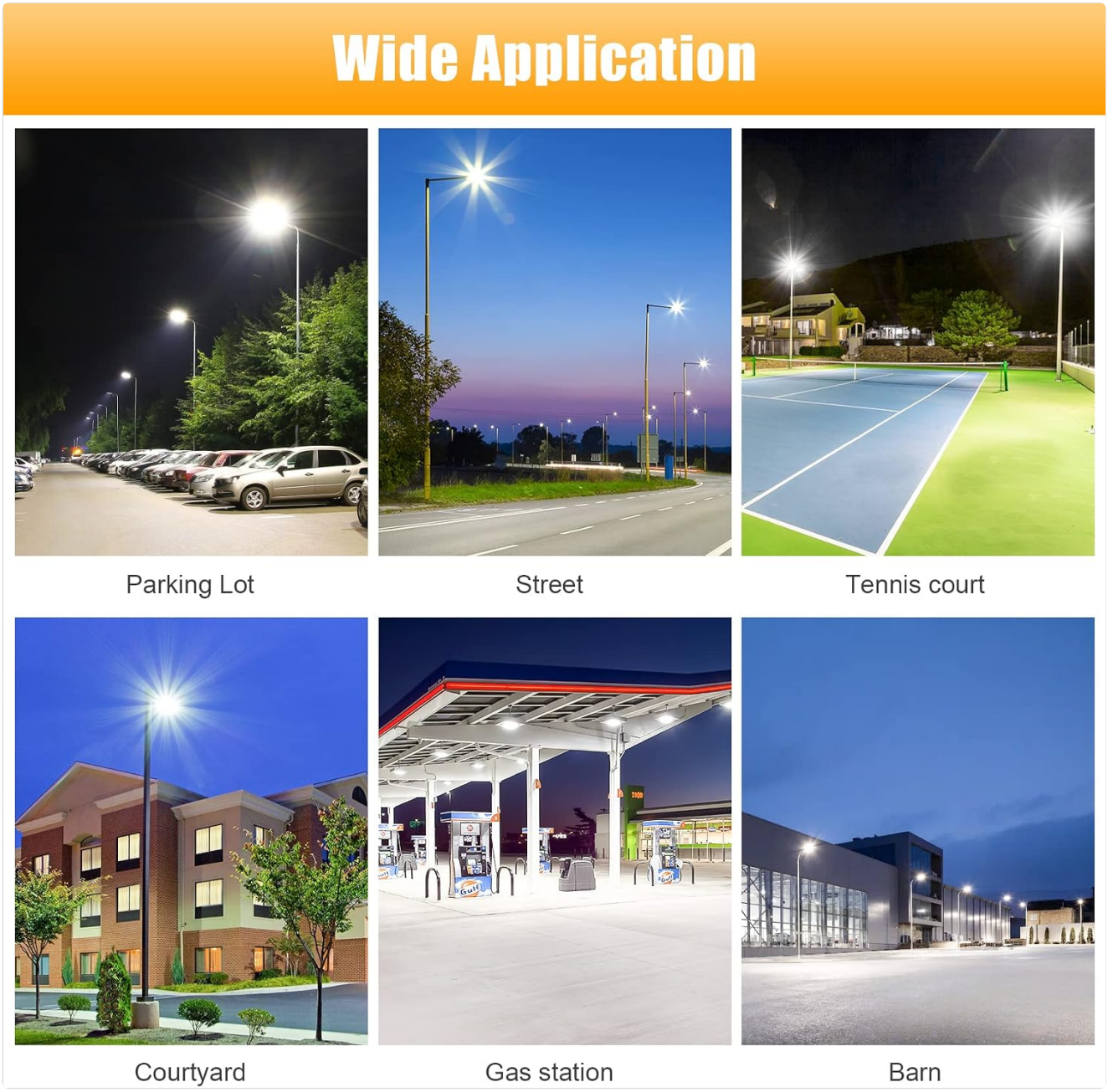


Figure 10.1: Examples of common outdoor applications.



Figure 10.2: Types of fixtures suitable for retrofitting.

11. About YELLORE (Manufacturer Video)

Learn more about YELLORE's commitment to quality and manufacturing processes:

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Video 11.1: An overview of YELLORE's manufacturing and quality control processes, demonstrating the rigorous testing and production standards for their LED lighting products.

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