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EXTRASTAR CM300N-IT (24W Square LED Ceiling Light 4200K)

EXTRASTAR 24W Square LED Ceiling Light 4200K Instruction Manual

Model: CM300N-IT | Brand: EXTRASTAR

1. PRODUCT OVERVIEW

The EXTRASTAR 24W Square LED Ceiling Light is a modern and energy-efficient lighting solution designed for various indoor spaces such as bathrooms, offices, bedrooms, kitchens, and living rooms. This fixture provides a bright, natural white light at 4200K with a high luminous flux of 2640 lumens, ensuring excellent illumination and color rendering.



A clear view of the EXTRASTAR 24W Square LED Ceiling Light, showcasing its modern, minimalist design and bright, uniform illumination.

Key Features:

- **Power:** 24W, equivalent to 159W traditional halogen.
- **Brightness:** 2640 lumens.
- **Color Temperature:** 4200K (Natural White).
- **High CRI:** ≥ 80 for accurate color rendering.
- **Long Lifespan:** Approximately 20,000 hours.
- **Slim Design:** 30x30x3.3 cm dimensions.
- **Energy Efficient:** Up to 85% energy saving.
- **Non-Dimmable:** Provides consistent light output.

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.

- Always disconnect power at the circuit breaker before installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician or a person with adequate knowledge of electrical wiring.
- Ensure the supply voltage matches the product's requirements (65-265V AC, 50/60Hz).
- Do not modify the product in any way.
- This product is rated IP20, suitable for indoor use only. Do not expose to water or high humidity.
- Keep away from flammable materials.

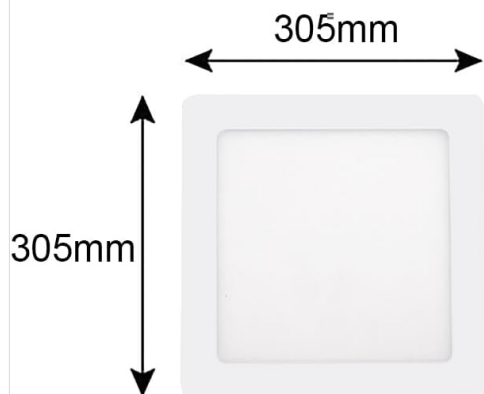
3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

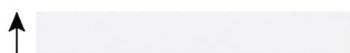
- 1 x EXTRASTAR 24W Square LED Ceiling Light
- 1 x Mounting Bracket
- Screws and Wall Plugs
- Instruction Manual

LED SURFACE PANEL LIGHTING

Product size:



32mm



Power: **24W**



Lumen: **2640Lm**



Fluent: **166mA**



Color temperature: **4200K**



Lifetime: **20000H**



Gradable: **No**

Product accessories :



This image displays the physical dimensions of the LED ceiling light (305mm x 305mm x 32mm) and lists key specifications: Power 24W, Lumen 2640Lm, Fluent 166mA, Color Temperature 4200K, Lifetime 20000H, Not

Dimmable. It also shows the included mounting accessories.

4. SETUP AND INSTALLATION

Follow these steps for safe and proper installation. Tools required: screwdriver, drill, wire strippers.

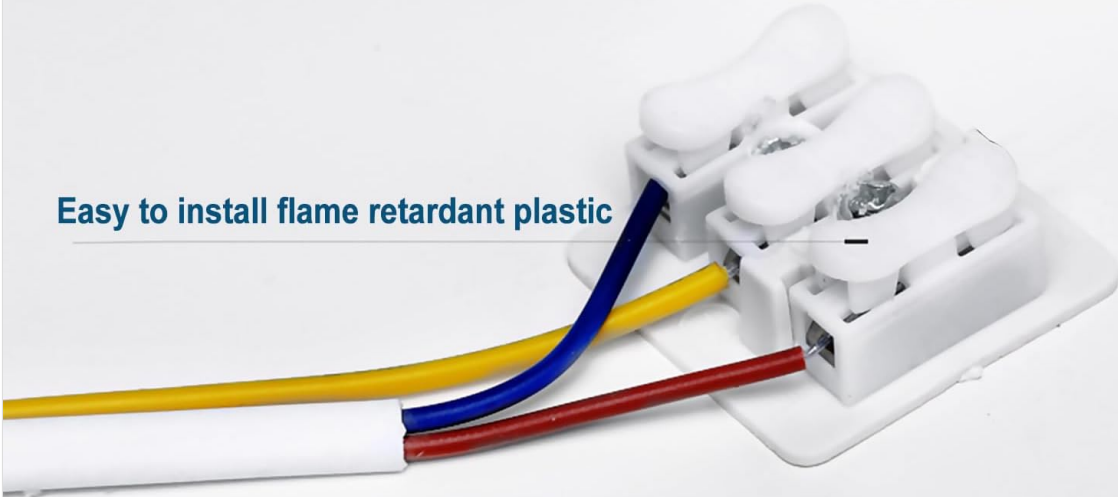
1. **Turn off Power:** Before starting, ensure the main power supply to the installation area is switched off at the circuit breaker.
2. **Prepare Mounting Surface:** Mark the desired position for the ceiling light. Use the mounting bracket as a template to mark the drill holes.
3. **Drill Holes:** Drill holes at the marked positions and insert the wall plugs (if necessary for your ceiling type).
4. **Attach Mounting Bracket:** Secure the mounting bracket to the ceiling using the provided screws.
5. **Connect Wiring:** Connect the household electrical wires to the LED driver's input terminals. The LED driver has an input range of 65-265V AC, 50/60Hz. Connect the output wires of the LED driver (80-80V, 220mA) to the light fixture. Ensure all connections are secure using the flame-retardant plastic connectors. This fixture does not require a ground wire connection.
6. **Mount the Light Fixture:** Align the light fixture with the mounting bracket and secure it in place.
7. **Restore Power:** Once the installation is complete and all connections are secure, restore power at the circuit breaker.

LED DRIVER DRIVE CONSTANT CURRENT AND POWER

stable current, constant brightness, no flicker



Easy to install flame retardant plastic

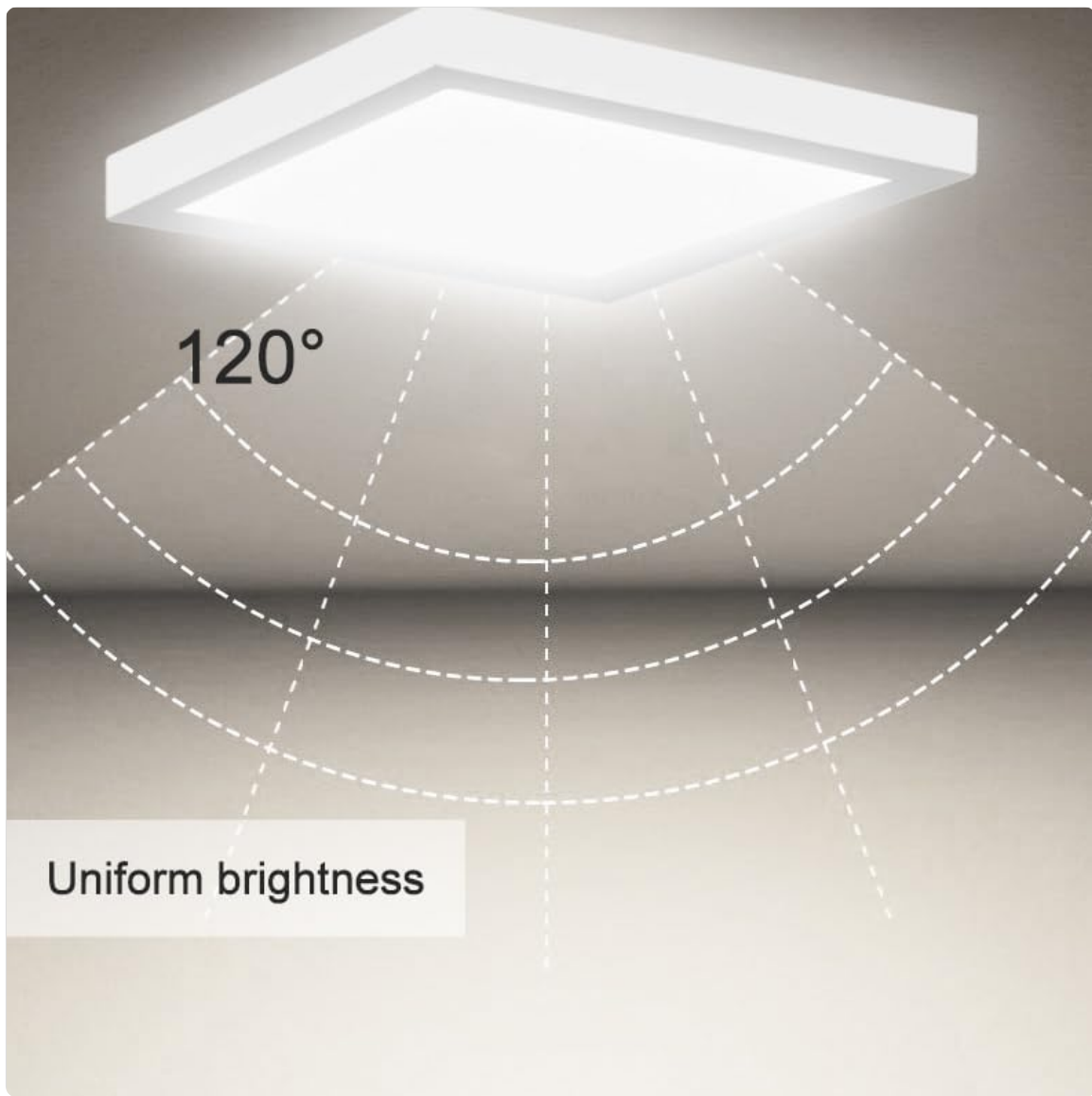


This image shows the LED driver, which ensures stable current and constant brightness without flicker. It also features the easy-to-install flame-retardant plastic connectors for secure and safe wiring.

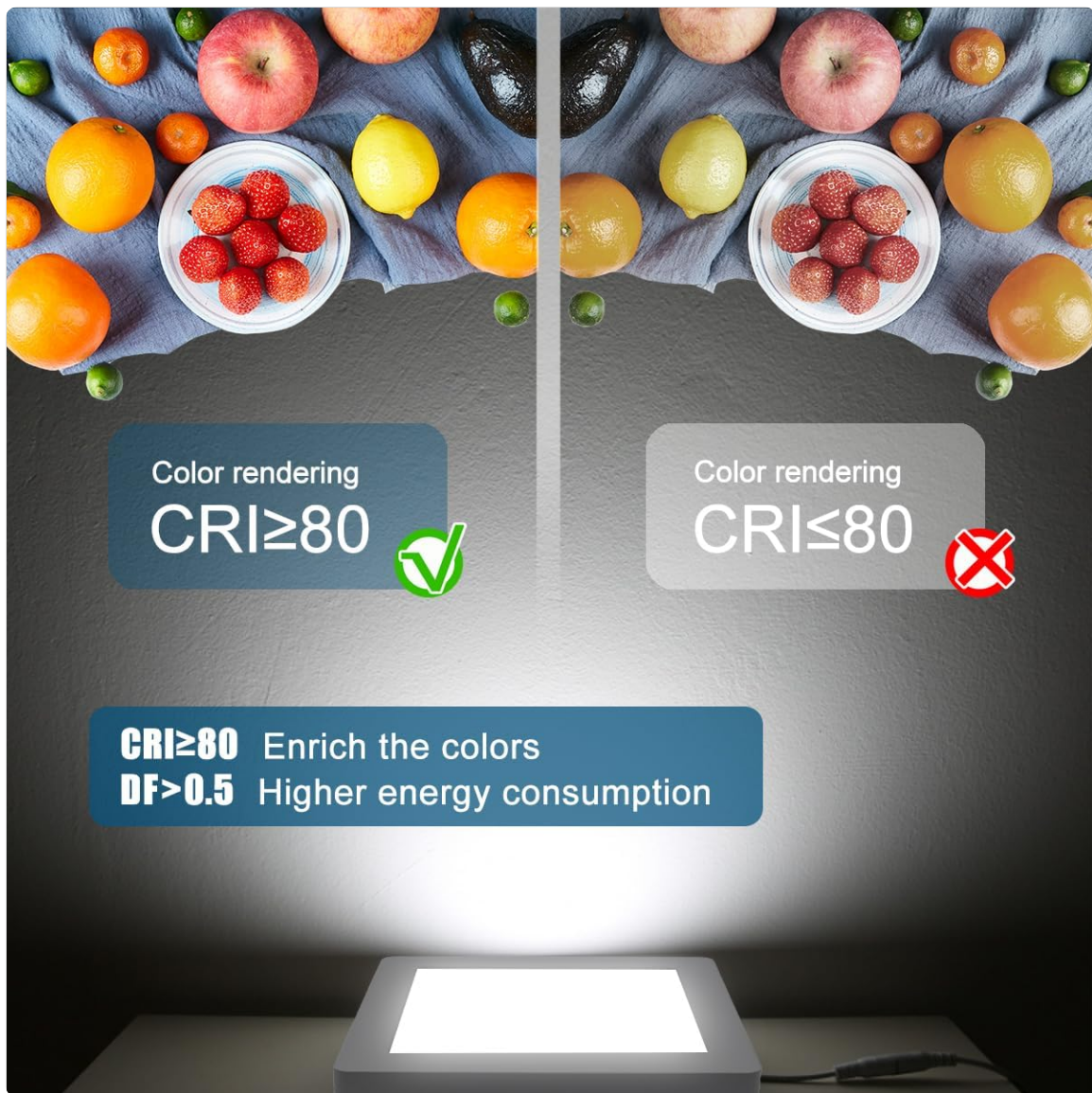
5. OPERATING INSTRUCTIONS

The EXTRASTAR LED Ceiling Light operates simply via your standard wall switch.

- **Turning On/Off:** Use the wall switch connected to the light fixture to turn the light on or off.
- **Brightness:** This fixture provides a fixed brightness of 2640 lumens and is not dimmable.
- **Light Quality:** Enjoy uniform brightness with a 120-degree beam angle and natural white light (4200K) with high color rendering (CRI \geq 80).



A diagram illustrating the 120-degree beam angle of the LED ceiling light, indicating its ability to provide wide and uniform illumination across a room without dark spots.



This visual comparison illustrates the benefit of a high Color Rendering Index (CRI). The EXTRASTAR LED ceiling light has a CRI ≥ 80 , ensuring that colors appear vibrant and true to life, unlike lower CRI lights which can make colors look dull.

6. MAINTENANCE

The EXTRASTAR LED Ceiling Light requires minimal maintenance.

- **Cleaning:** Ensure the power is off before cleaning. Wipe the fixture with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners or solvents.
- **Lamp Replacement:** The LED light source is integrated and not user-replaceable. The fixture has a long lifespan of approximately 20,000 hours.

7. TROUBLESHOOTING

If you encounter any issues, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on	No power supply Loose wiring connection Faulty switch	Check circuit breaker and wall switch. Ensure all wires are securely connected (with power off). Test the switch with another device.
Light flickers	Unstable power supply Loose wiring Incompatible dimmer (this light is non-dimmable)	Ensure stable power. Check wiring connections. Do not connect to a dimmer switch.
Insufficient brightness	Room size too large for wattage Dust/dirt on diffuser	Ensure the light wattage is appropriate for the room area. Clean the diffuser gently.

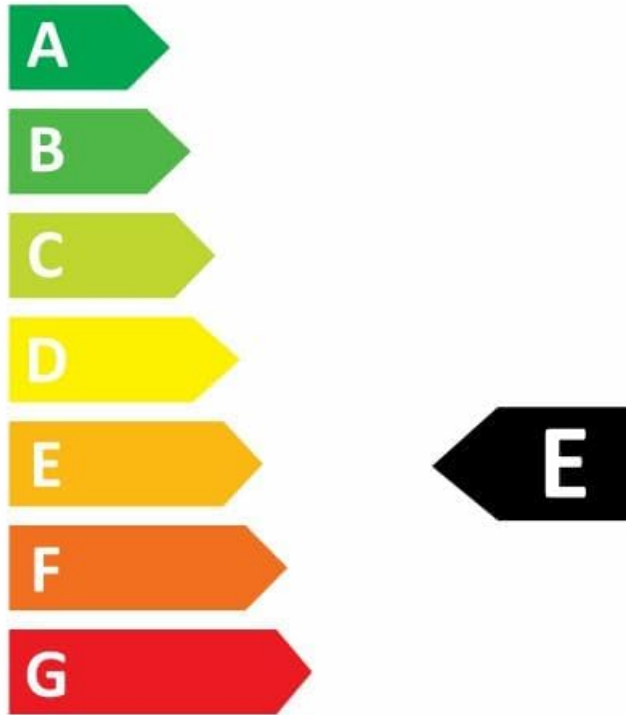
8. SPECIFICATIONS

Attribute	Value
Brand	EXTRASTAR
Model	CM300N-IT
Power Consumption	24 Watts
Luminous Flux	2640 Lumens
Color Temperature	4200 Kelvin (Natural White)
Color Rendering Index (CRI)	≥80
Input Voltage	AC 65-265V, 50/60Hz
Dimensions (L x W x H)	30 x 30 x 3.3 cm
Weight	940 grams
Material	Metal
IP Rating	IP20 (Indoor use only)
Average Lifespan	20,000 Hours
Dimmable	No
Energy Efficiency Class	E
Energy Consumption (1000h)	24 kWh



Extrastar

CM300N-IT



24
kWh/1000h



2019/2015

The EU energy label for the Extrastar CM300N-IT LED light, indicating an energy efficiency class of E and an energy consumption of 24 kWh/1000h. For more product information, scan the QR code or visit eprel.ec.europa.eu/qr/1642425.

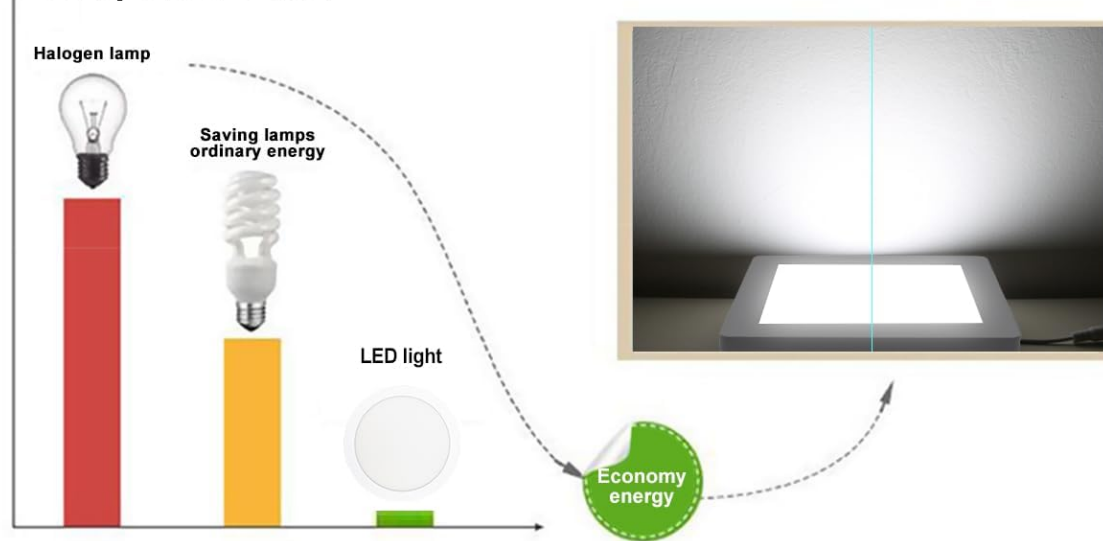
USING LEDS POWER SAVING CHIP

Color temperature:

4200K



Comparative table



A comparative table demonstrating the significant energy savings achieved by using LED technology. The EXTRASTAR LED light consumes considerably less energy compared to traditional halogen lamps and even older energy-saving lamps.

9. WARRANTY AND SUPPORT

The EXTRASTAR LED Ceiling Light is designed for durability with an average lifespan of 20,000 hours.

For any inquiries, technical assistance, or after-sales support, please contact EXTRASTAR customer service through your purchase platform. Please have your model number (CM300N-IT) and purchase details ready for faster service.