

Thorn NELLA 100W HID SIL

Thorn Europhane NELLA 100W HID SIL - Instruction Manual

Model: NELLA 100W HID SIL (Reference: 96255491)

1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of your Thorn Europhane NELLA 100W HID SIL lighting fixture. The NELLA is a high-intensity discharge (HID) luminaire designed for outdoor use, providing efficient and reliable illumination. Please read this manual thoroughly before installation and retain it for future reference.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product:

- **Electrical Safety:** Installation and servicing must be performed by a qualified electrician in accordance with all local and national electrical codes. Ensure the power supply is disconnected before any installation, maintenance, or lamp replacement.
- **Lamp Handling:** HID lamps operate at high temperatures and pressures. Handle lamps carefully. Do not touch the lamp with bare hands as oils can reduce lamp life. Allow the lamp to cool completely before handling.
- **Outdoor Use:** This fixture is designed for outdoor use. Ensure all connections are properly sealed and protected from moisture.
- **Mounting:** Mount the fixture securely to a stable structure capable of supporting its weight.
- **Ventilation:** Ensure adequate ventilation around the fixture to dissipate heat. Do not cover the fixture.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- Thorn Europhane NELLA 100W HID SIL Luminaire
- 100W HID Lamp (E27 base)
- Installation Hardware (if applicable, check packaging)
- This Instruction Manual



Figure 1: The Thorn Europhane NELLA 100W HID SIL luminaire. This image shows the complete lighting fixture, featuring a clear conical housing, internal metallic reflectors, and the lamp holder at the base, designed for outdoor pole mounting.

4. SETUP AND INSTALLATION

Professional installation by a qualified electrician is strongly recommended.

1. **Power Disconnection:** Before beginning any installation, ensure the main power supply to the installation area is completely disconnected at the circuit breaker or fuse box. Verify with a voltage tester.
2. **Mounting:** Securely attach the luminaire to the intended pole or mounting surface using appropriate hardware. Ensure the mounting is stable and can support the fixture's weight (approximately 1 kg).
3. **Wiring:** Connect the electrical cable from the power source to the luminaire's terminals. Follow the wiring diagram provided with the fixture (if applicable) and adhere to local electrical codes. This fixture operates at 240 Volts. Ensure proper grounding.
4. **Lamp Installation:** Carefully screw the 100W HID lamp with an E27 base into the lamp holder. Do not overtighten.
5. **Final Check:** Double-check all connections and ensure the fixture is securely mounted and all covers are properly closed to protect against moisture.

5. OPERATING INSTRUCTIONS

Once installed, operating the Thorn Europhane NELLA 100W HID SIL is straightforward:

- **Power On:** Restore power to the circuit at the breaker. The HID lamp will strike and gradually reach full brightness over several minutes.
- **Power Off:** To turn off the light, disconnect power at the switch or circuit breaker. Note that HID lamps require a cool-down period before they can be re-ignited after being turned off.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your luminaire.

- **Cleaning:** To clean the luminaire, ensure the power is off and the fixture is cool. Use a soft, damp cloth to wipe

down the exterior surfaces. Avoid abrasive cleaners or solvents. For detailed information on cleaning bulbs, refer to general guidelines for HID lamps.

- **Lamp Replacement:** HID lamps have a finite lifespan. When the lamp reaches its end of life (indicated by flickering, dimming, or failure to ignite), replace it with a new 100W HID lamp with an E27 base. Always disconnect power and allow the fixture to cool before replacing the lamp.
- **Inspection:** Periodically inspect the fixture for any signs of wear, damage, or loose connections. Address any issues promptly.
- **Recycling:** HID lamps contain mercury and other materials that require special disposal. Do not dispose of old lamps in household waste. Please refer to local regulations for proper recycling of bulbs. Information on recycling for bulbs is available through local waste management services.

7. TROUBLESHOOTING

If you encounter issues with your NELLA luminaire, consult the following table:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. Faulty lamp. Loose wiring. Faulty ballast/driver.	Check circuit breaker/fuse. Replace lamp. Check all electrical connections (with power off). Consult a qualified electrician.
Light flickers or dims.	Lamp nearing end of life. Incorrect voltage. Loose connection.	Replace lamp. Verify power supply voltage. Check connections (with power off).
Lamp cycles on and off.	Lamp nearing end of life. Overheating. Incorrect ballast.	Replace lamp. Ensure proper ventilation; check ambient temperature. Consult a qualified electrician.

If the problem persists after attempting these solutions, please contact a qualified electrician or Thorn customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	Thorn
Model Name	NELLA 100W HID SIL
Reference Number	96255491
Item Weight	1 Kilogram
Voltage	240 Volts
Power (Wattage)	100 Watts
Bulb Type	High-Intensity Discharge (HID)

Feature	Detail
Bulb Base Type	E27
Light Color	White
Usage Environment	Outdoor
Power Source	Electrical Cable

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, please refer to the documentation provided at the time of purchase or visit the official Thorn website. For technical support or further assistance, please contact Thorn customer service through their official channels.

Online Resources:

- [Thorn Lighting Official Website](#)
- [Thorn Lighting Contact Page](#)

