

# Prisma Light



Elton 2-XX



# MANUAL

## MOUNTING & INSTALLATION

# TABLE OF CONTENTS

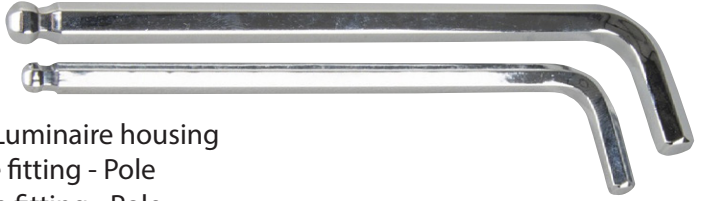
<b>Product Information</b> .....	3
<b>Mechanical Installation</b> .....	4-7
<b>Electrical Installation</b> .....	8
<b>Commissioning and Usage</b>	
Prisma Light Elton DALI.....	9
Prisma Light Elton Remote.....	9
Prisma Light Elton Citygrid.....	9
Prisma Light Elton Nema.....	9
Prisma Light Elton Zhaga.....	9
<b>Gateway Installation</b> .....	10-11
<b>Troubleshooting</b> .....	Back page
<b>Service and Maintenance</b> .....	Back page
<b>Warranty</b> .....	Back page
<b>Recycling and Packaging Materials</b> .....	Back page
<b>Support, Contact details</b> .....	Back page



<b>PRODUCT DESCRIPTION</b>	Prisma Light Elton is an outdoor luminaire, featuring LED technology.		
<b>APPLICATION</b>	Outdoors: Traffic roads, feeder streets, residential streets, pedestrian and bicycle paths, parking lots, industrial areas, jogging tracks, highways, harbours		
<b>MOUNTING HEIGHT</b>	Max 20 meters		
<b>WEIGHT, kg</b>	<b>Model</b>		
	Prisma Light Elton 2-S	4,5	
	Prisma Light Elton 2-M	6,5	
	Prisma Light Elton 2-L	9,5	
	Prisma Light Elton 2-XL	13,5	
<b>DIMENSIONS, mm</b>	<b>Model</b>	<b>Length</b>	<b>Width Height</b>
	Prisma Light Elton 2-S	433	260 99
	Prisma Light Elton 2-M	565	330 110
	Prisma Light Elton 2-L	665	381 118
	Prisma Light Elton 2-XL	865	455 125
<b>WIND AREA, m<sup>2</sup></b>	<b>Model</b>		
	Prisma Light Elton 2-S	0,024	
	Prisma Light Elton 2-M	0,035	
	Prisma Light Elton 2-L	0,043	
	Prisma Light Elton 2-XL	0,058	



# MECHANICAL INSTALLATION



## Tools

Hex key, size 6: Pole fitting - Luminaire housing

**2-S, 2-M** Hex key, size 4: Pole fitting - Pole

**2-L, 2-XL** Hex key, size 5: Pole fitting - Pole

## Dual-function pole fitting

Same pole fitting for both mounting on the arm and straight pole.

The images below show how to loosen, turn, and install the fitting to fit a **straight pole** or **arm** mounting.

1



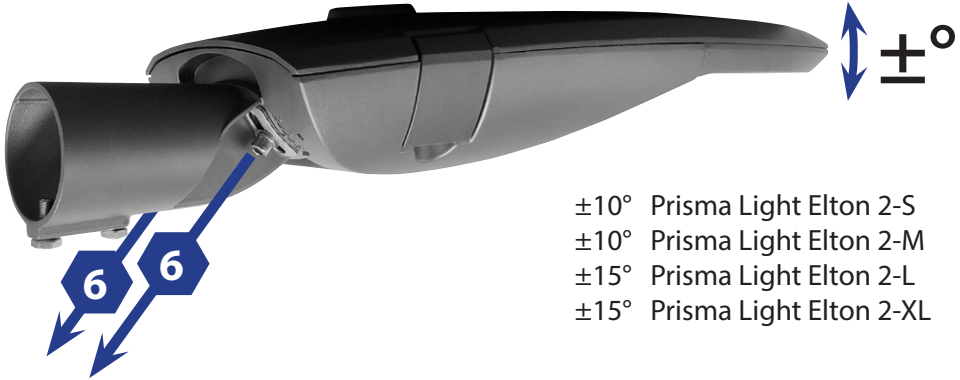
2



# MECHANICAL INSTALLATION

## Adjust angle

Use hand force or a screwdriver with a maximum torque of 8 Nm.



## Mount on pole or arm

Use hand force or a screwdriver with a maximum torque of 8 Nm.



# OPENABLE

Prisma Light Elton 2-S

1

Grasp the latch on the front edge of the luminaire and pull upwards.



2

The cover is now easy to lift and let rest in the fully raised position.



# OPENABLE

Prisma Light Elton 2-M  
Prisma Light Elton 2-L  
Prisma Light Elton 2-XL

1

Grasp the latches on the long sides of the luminaire and pull upwards.



2

The top part with all the electronics is now easy to lift and let rest in the fully raised position.



# ELECTRICAL INSTALLATION

## 230 V CLASS II

- Prisma Light Elton DALI
- Prisma Light Elton Remote
- Prisma Light Elton Citygrid
- Prisma Light Elton Nema
- Prisma Light Elton Zhaga

Connecting voltage

200-240V AC, 50 Hz

Power consumption

5-224 Watts depending on the model

Insulation class

CLASS II, CLASS I

Luminaire

Driver

Insulation class between DALI and 230V circuit:

Inventronics - Double insulated

Philips XI FP Single - Basic insulation

Philips XI SR 40W - SELV

Philips XI SR 150W - Double insulated



## CLASS II

1. Attach the luminaire to the pole, adjust as per pages 4-5.
2. Connect Phase **Brown** and Neutral **Blue** to the fuse holder.
3. Optionally connect DALI **Black, Gray**.
4. Turn on the power.

## CLASS I

1. Attach the luminaire to the pole, adjust as per pages 4-5.
2. Connect Protective Earth **Yellow-Green** on CLASS I models.
3. Connect Phase **Brown** and Neutral **Blue** to the fuse holder.
4. Optionally connect DALI **Black, Gray**.
5. Turn on the power.



## NOTE!

It is important to check for any poor connections in the Neutral terminals in the installation. Poorly connected Neutral can lead to overvoltages that may affect the warranty coverage.

# COMMISSIONING & USAGE

## Prisma Light DALI

- Choose a luminaire with DALI functionality, and you can customize its behavior, power output, and any nighttime dimming settings. It can be pre-configured by us at the factory or adjusted on-site with the appropriate equipment, or through the access panel if the cable is DALI compatible.

## Prisma Light Remote

- Turn on the power to the luminaire. Prisma Light Elton will now illuminate with the factory-set or customer-desired power/function.
- Prisma Light Elton is equipped with a circuit board with built-in IR communication.

### USAGE

- Settings are made using a Prisma Light Remote. **Scan or click** the QR code to download files.



## Prisma Light Citygrid

### Turn on the power

When the power is turned on, the luminaire will flash to perform its own calibration. Before being configured by the customer (see installation manual for control), the luminaire will emit 40% light in the absence of presence and 50% light when presence is detected. In this mode, it does not communicate with other luminaires.

## Prisma Light Nema

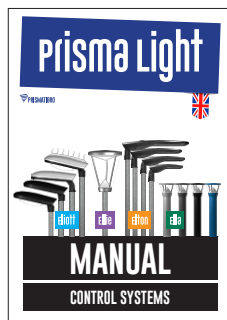
### Power on the luminaire

The luminaire is delivered with maximum power output from the driver, which can then be adjusted by the customer by adding their own NEMA control. Alternatively, the customer can inform us of their desired settings, and we will configure it at the factory.

## Prisma Light Zhaga

### Power on the luminaire

The luminaire is delivered with maximum power output from the driver, which can then be adjusted by the customer by adding their own Zhaga control. Alternatively, the customer can inform us of their desired settings, and we will configure it at the factory.





# GATEWAY INSTALLATION

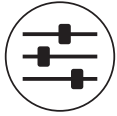


## Lighting Control Panel

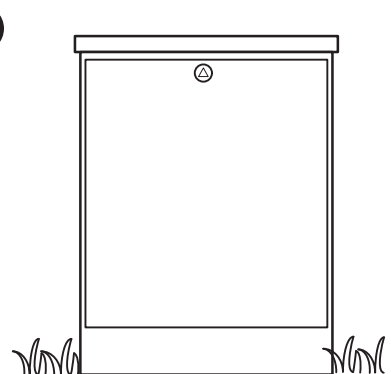
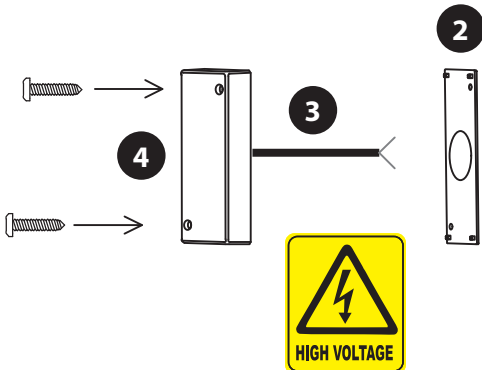
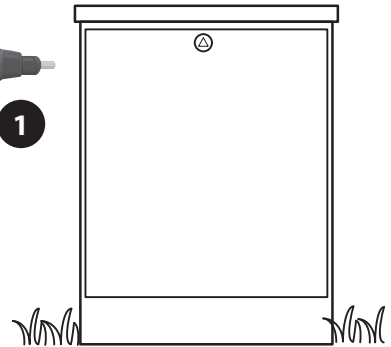


The gateway should be installed within 30 meters from the nearest Citygrid device - which can be a node, a node with a sensor, or built into a luminaire. The gateway will communicate wirelessly with the luminaires in the same site.

**\*The installer should consult the lighting control panel manufacturer for accurate instructions regarding drilling holes in the lighting control panel.**



- 1** Drill a hole for the power cable,  $\varnothing$  20 mm\*
- 2** Rubber gasket:  
Place the rubber gasket on the back of the Gateway.
- 3** Attach the power cable to the back of the gateway: Press down and rotate the locking ring clockwise until it clicks into place. The click confirms the locking.
- 4** Mount the Gateway on the lighting control panel.
- 5** Connect the Gateway to the power grid, either with a constant power supply or through the lighting circuit.

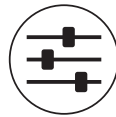


# GATEWAY INSTALLATION

## Lighting Pole

The gateway should be installed within 30 meters of the nearest Citygrid device, which can be a node, a node with a sensor, or built into a luminaire.

The gateway will communicate wirelessly with luminaires within the same site.



- 1** Drill a hole with a diameter of 20 mm for the power cable in the lighting pole at the desired height.
- 2** Use the backplate of the gateway as a template for hole placement. Use a 3.5 mm drill.
- 3** Mount the backplate using the provided screw.
- 4** Attach the power cable to the back of the Gateway. Press down and twist the locking ring clockwise until it clicks into place. The click confirms the lock.
- 5** Install the Gateway.
- 6** Connect the Gateway to the power supply, either with a constant power source or through the lighting supply.



## SERVICE & MAINTENANCE

The light source in the luminaire should only be replaced by qualified personnel. The circuit board with diodes is not accessible without disassembling the entire luminaire. Opening the optical part risks compromising the IP rating. If there are any issues, the luminaire should be returned in its entirety for repair or replacement by PrismaTibro.

Prisma Light Elton can be rinsed with water under low pressure, but not with a high-pressure washer.



## WARRANTY

In case of any issues, the luminaire should be returned in its entirety for repair or replacement by PrismaTibro. For full warranty terms and conditions, please visit the website [www.prismatibro.se](http://www.prismatibro.se) or call +4650440040 or send an email to [support@prismatibro.se](mailto:support@prismatibro.se).

## TROUBLESHOOTING



**Scan or click** the QR code for direct access.

## RECYCLING & PACKAGING MATERIALS



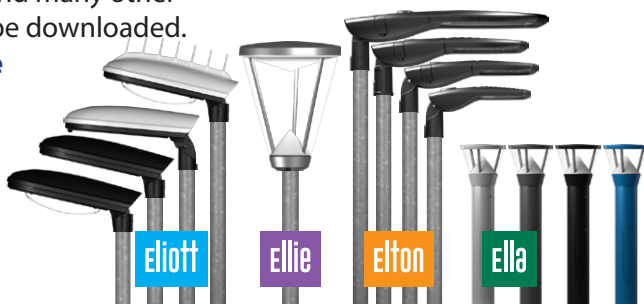
Packaging materials are reusable and/or recyclable. PrismaTibro AB is affiliated with El-Kretsen for recycling.

## DOWNLOADABLE DOCUMENTS



This document and many other documents can be downloaded.

**Scan or click the QR code** for direct access.



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