



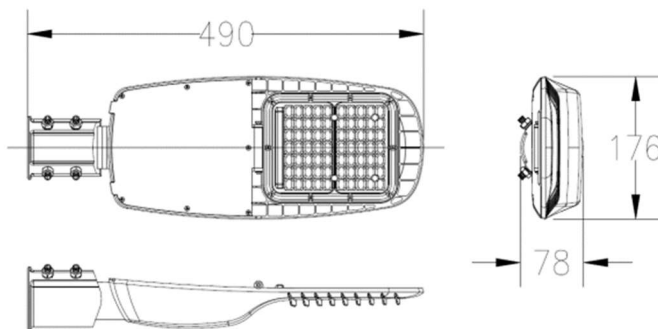
## Product Instructions

# CYLON MINI LED Streetlights, *VER-USTMINI-* Series

### USER GUIDE:

The purpose of this user guide is to explain the necessary steps for the proper use of a LED Streetlight and to assure peak performance of this product. It is intended for use as reference by a fully qualified electrician or technician. This document should never be considered a substitute for any provision of a regulation or state and/or local code. Please read this entire manual to fully understand and safely use this product. Specifications are subjected to change without notice. Please visit [www.verdeled.com](http://www.verdeled.com) for the most recent technical data.

### PHYSICAL DIMENSIONS:



MODEL	Product Dimensions (L x W x H)	Net Weight	Packaging Dimensions (L x H x W)	Gross Weight
VER-USTMINI40	490x176x78mm	2.8 kg	550x248x148mm	3.0 kg

### TECHNICAL PARAMETERS:

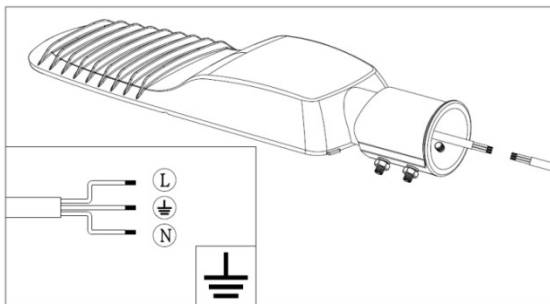
<i>Parameter</i>	<i>Value</i>
Input Voltage / Frequency	200-240VAC (50/60Hz)
Input Current	0.40A (measured at full load 220VAC)
Power	40W
Output	4200lm
LED Colour Temperature	4000K (others available on request)
Colour Rendering Index	≥65
Light Distribution	145° x 85°
Operating Temperature	-35°C to +45°C
Operating Humidity	10% - 90% RH



Storage Temperature	-20°C to +40°C
Lifespan	>50,000 Hrs
Shell Material	Aluminium & PC & Glass
IP Rating	IP66
Pole Diameter Size	60mm / 76mm (optional)
Adjustable angle	Not adjustable without extension accessory
Mounting Height	6-8m
Maximum Projected Area subjected to Wind Force	0.075m <sup>2</sup>

### INSTALLATION PROCEDURE:

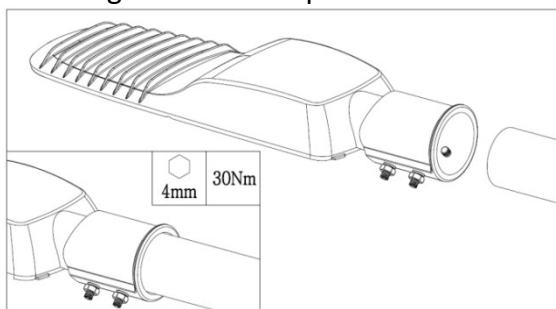
- 1) Ensure electricity supply to pole is turned **OFF** when making electrical connection;
- 2) Make connection to cable of pole in the following manner:

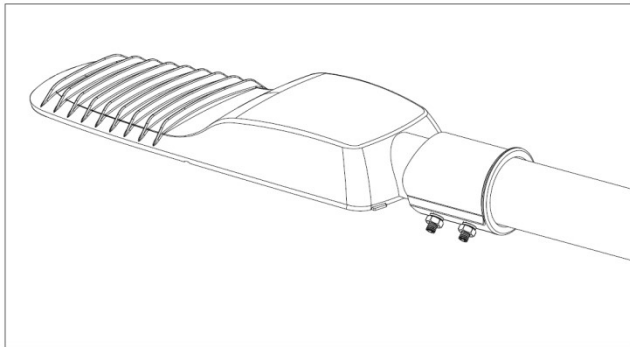


When connecting mains, ensure connection employs sufficient strain relief and complies fully with EN 60998-2-1 or EN 60998-2-2;

- Nominal voltage: Max.250 Vac
- Max. Capacity: 0.75-2.5 mm<sup>2</sup>

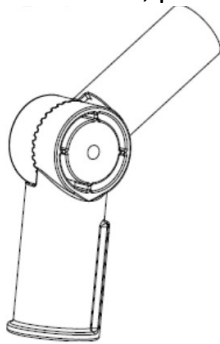
- 3) After electrical connection to the pole, affix lamp to pole arm and tighten 4mm fastening bolts to a torque of 30Nm





#### ADJUSTMENT:

Note: For vertical pole installation, and/or installation with adjustable angles of orientation, please refer to *optional accessory instructions: VER-USTMINI-ADAPTOR*



#### NEMA MODULE (OPTIONAL):

- 1) Insert NEMA photocell into the socket on top of fixture (toolless). Rotate in place to ensure electrical connection

**IMPORTANT NOTE:** If photo-control is *not* required, but the fixture *has* a photocell socket, then a NEMA **blank** photocell is still required to complete the electrical connection. These are not supplied, but are widely available from electrical wholesalers. Alternatively, it can be supplied by VERDE on request.

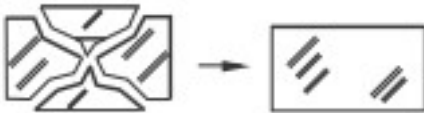
#### MAINTENANCE:

- 1) Intermittent cleaning will extend the lifetime and safety of your product
- 2) Clean the product with soap water, then dry with a clean, non-abrasive, cloth
- 3) Do not use chemicals to clean the product as this may cause corrosion



## WARNINGS & DISCLAIMERS

- 1) Ensure the fixture is fully installed by a suitably-qualified person before switching power on to the fixture
- 2) Do not install the fixture in a sealed / enclosed environment
- 3) Do not cover / mask the fixture
- 4) Ensure the power is turned off before performing maintenance on the fixture
- 5) Any part of this fixture considered damaged and/or in need of replacement; it shall be exclusively replaced by the manufacturer or his service agent or similarly qualified person in order to avoid a safety hazard. Please refer to VERDE LED standard Warranty document for full Terms & Conditions
- 6) The terminal block is not included with the fixture. Installation may require advice from a suitably qualified person
- 7) Always replace any cracked/damaged protective shield



- 8) This fixture is suitable for indoor and outdoor use
- 9) These LED street lights meet the Photobiological Safety Standard IEC 62471:2006
- 10) Specifications and Instructions may change without notice
- 11) All VERDE products comply with surge immunity as specified by EN 61547:2009. However, the Verde Warranty also requires additional surge protective devices to be installed on-site against the effects caused by remote lightning strikes, inductive or capacitive coupling, and switching surge voltages. These are typically also installed at the main distribution and sub-distribution panels and are to be maintained and operational always. Refer to industry experts such as [www.phoenixcontact.com](http://www.phoenixcontact.com) for further surge protection advice.