ID5 - Event Trigger: The luminaire will operate at 100% for 30 minutes and then switch off until re-activated.

Custom: A customer specific program.

* Not suitable for locations where the length of night is 23 hours or greater. For the first 3 nights the luminaire is on at 100% power from sunset to sunrise whilst the system learns the length of nights. Unit does not compensate for variations within local time zones. Unit does not compensate for international clock changes.

DALI control

- The LED driver is DALI compatible allowing further control functionality and simultaneous control of multiple luminaires.
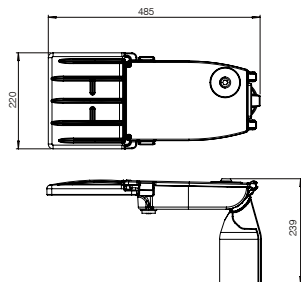
ATC

- The unit has inbuilt automatic thermal control which protects the unit in high temperature installations by turning the LEDs down to prevent damage to the product.

Urban-X Pro Specifications:

Model Type	Urban X PRO 40W	Urban X PRO 60W	Urban X PRO 80W	Urban X PRO 100W
Operating Temperature	-30°C to 60°C (-22°F to 140°F)			-30°C to 40°C (-22°F to 104°F)
Power Output (Lumens)	5600	8400	11,200	14,000
Consumption	40W	60W	80W	100W
Input (nominal)	220-240V AC (50-60Hz)			
Surge Protection	Photocell fitted: 2kV. No Photocell fitted: 8kV			
Weight (Excluding Cable)	4Kg (8.8lbs)			
Photocell Switching (If fitted)	On at 55 Lux ; Off at 28 Lux			
Environment	IP66			
Impact Protection	IK08			
Dimensions (L x W x H)	485 x 239 x 220mm (19.09 x 9.4 x 8.66") (Height 242.5 mm /9.5" with photocell fitted)			
Optional Cable Length	8M (26ft) or 12M (39ft)			

Product Dimensions

485
220
239

Model shown without photocell fitted

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Urban-X PRO Troubleshoot

Ensure all tests are undertaken by a qualified, trained engineer. Ensure safe working practices are followed at all times.

- Check mains input
- Check all mains wiring connections are correct
- Check photocell is working (if fitted)
- Check Driver Program
- Check luminaire physical alignment
- If DALI controlled check DALI communications and connections
- Call Raytec for further assistance

raytec

URBAN-X Pro Installation Guide

- Lightweight and durable design
- Excellent efficacy >140lm/W
- The luminaires are Class 1 for insulation
- Intelligent driver programs
- 5-year warranty
- The luminaires are suitable for use outdoors and indoors

Safety Warnings

Eye Safety:

Caution – EN62471 Risk Group 2 Classification - Possible hazardous optical radiation emitted from this product. May be harmful to eyes, do not stare at the lamp. Hazard Distance is 2,750mm.

Warning: High Voltage product

All Electrical Installation work to be performed by a suitably qualified person in line with the local regulations.

Risk of electric shock - isolate mains before removing cover.

Mechanical Installation:

Ensure unit is mounted securely to prevent risk of injury and the supply cord is installed as per the instructions. Maximum mounting height 12M.

Box Contents

- URBAN-X Pro luminaire
- URBAN-X Pro pole mount arm
- 2 x Fixing grub screws
- 1 x Cable Tie
- 2 x M8 screw
- 2 x M8 washer
- 2 x M8 spring washer

Ver. 1.1 - 04/19

Installation Steps

The URBAN-X Pro is delivered in two parts; the main body of the luminaire, and the pole mount arm. These two parts must be assembled prior to installation. The supply cable needs to be fitted prior to assembly (unless the unit is supplied with a supply cable already fitted).

For models without a supply cable pre-fitted, go to step (1). For models with a supply cable pre-fitted, go to straight to step (2).

Important Information:

A suitably rated 3 core cable (5 core for use with DALI) must be used.
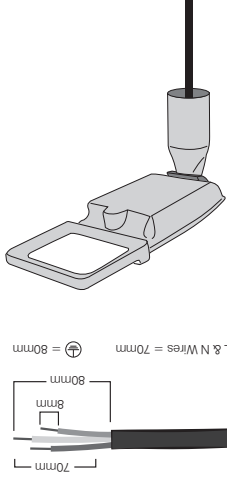
Conductor size CSA: 0.75mm2 to 1.0mm2

Cable O/D: Min 4.5mm to Max 10mm

(1) Connection procedure

- **Loosen** retaining screws from the lid of the luminaire (2 screws) and tilt the lid back.
- 3 Core Mains supply cable.
- Prepare suitable 3 core mains cable as shown.
- Feed the cable into the unit via the cable gland fitted to the rear of the unit.
- Terminate mains supply wires to the terminal block.
  - (L) Live   - (N) Neutral   - (⏚) Earth
- Tighten the cable gland nut so the cable is held securely and the environmental seal is maintained (20mm spanner required).
- Use the cable tie in the accessories bag to secure the cable to the base plate. Pass the cable tie underneath the white cable mount and around the cable. Tighten and clip out the excess cable tie tail.
- Close the lid.
- Make sure all wires are inside the product and none are trapped by the lid.
- Tighten the two lid screws to 4Nm torque to ensure the environmental seal.

DALI connection (when used):

- The additional cores should be stripped to 8.5mm – 9.9mm and suitably terminated.
- Connect the two wires directly to the driver terminals labelled DA(BL) Blue. The connection is non-polarity sensitive.

70mm / 8mm / 80mm

L & N Wires = 70mm   ⏚ = 80mm

(2) Luminaire and Pole Mount Bracket Assembly

- Feed the supply cable through the pole mount arm before securing it to the luminaires main body.
- The pole mount arm can be assembled in a vertical orientation, with an angle range to the vertical, or in a horizontal orientation, with an angle range to the horizontal.

  +/-15°   +/-15°

- Align the pole mount arm to the back of the main luminaire and locate the two mounting slots on either side.
- Secure by using the M8 screws, M8 washer and M8 spring washer (one on each side) and tighten to torque 17nm. (the spring washer is located between the M8 washer and the head of the M8 screw).

(3) Mechanical installation

- Mount unit on an appropriately sized pole (60 – 76mm diameter).
- Secure unit onto pole using supplied grub screws. Ensure pole is fully engaged and tighten grub screws to torque 17nm (5mm hex).

WARNING:

If the factory fitted cable is damaged it must be replaced by a suitably qualified person to avoid a hazard. The light source contained in this luminaire shall only be replaced by the manufacturer or a nominated representative.

Functionality

The unit responds when power is supplied to the internal LED driver. If the unit has a Photocell fitted this acts as an on/off switch for the power reaching the internal LED Driver. (For Photocell On/Off Lux Levels please see the specification table.)

Driver Programs (these are part of the product code and will be marked on the driver)

The unit will function according to one of the following factory-set programs:

ID1 - Soft Start:
100% output for duration of night (5 second soft start).

ID2 - Timer Dimming:
100% power (5 second soft start) for 5 hours from power up, then 50% power until the next cycle.

*ID3 - Active Dimming 50%:

*ID4 - Active Dimming 25%:
100% output (5 second soft start) from power up, then dims to either 50% (ID3) or 25% (ID4) power, around the midpoint of the night and up to a maximum of 6 hours after, then back to 100% if it's still dark.
This program would typically require the use of an inbuilt or remote photocell to monitor the hours of darkness.