








# Luz

## Specification

- LED colour temperature of 3000k or 4000k
- Colour rendering index > 70
- Projected L90 after 100,000 hours
- Power factor 0.95 at full load
- High quality high pressure die cast aluminium components
- Post top mounting of 76mm
- UMSUG codes available for full product range
- In-built ventilation (breather) plug for pressure equalisation
- Supplied pre-cabled with Arctic Grade PVC flex
- CLO available
- Light grey or black finish
- Optional surge protection of 10kV/10kA
- Controls - NEMA 3, 7, Miniature photocell and Zhaga book 18 (SR) socket
- UV stabilised polycarbonate bowl
- Stainless steel fixing screws with stainless steel inserts in gallery
- Part Night Dimming (PND) with manual override option
- DALI compatible for use with CMS
- Tool-less access

-  **IP66 Ingress Protection**
-  **IK10 Bowl | IK08 Top**
-  **10.5kg Weight**
-  **Electrical Class I**
-  **0.14m<sup>2</sup> Wind Area**
-  **-20 to +30°C Ambient**
-  **LED Light Source**

## PowerSet

## Range Overview

| Type         | Luz 4 LED      | Luz 8 LED      | Luz 16 LED     |
|--------------|----------------|----------------|----------------|
| System Power | 14-50W         | 51-83W         | 85-137W        |
| Road Optics  | ✓              | ✓              | ✓              |
| Area Optics  | ✓              | ✓              | ✓              |
| CCT          | 3000k or 4000k | 3000k or 4000k | 3000k or 4000k |
| Lumen Output | Up to 5,458lm  | Up to 9,096lm  | Up to 16,282lm |
| CRI          | >70            | >70            | >70            |



## Electrical Characteristics

| Type                                     | Luz 4 LED   | Luz 8 LED     | Luz 16 LED     |
|--|---|---------------|----------------|
| System Power                             | 14-50W  | 51-83W        | 85-137W        |
| LED CCT                                  | 3000k or 4000k  |               |                |
| LED CRI                                  | >70   |               |                |
| Lumen Output                             | Up to 5,458lm   | Up to 9,096lm | Up to 16,282lm |
| Lumen Maintenance                        | Projected L90 after 100,000 hours   |               |                |
| Drive Current                            | 245-1000mA  | 502-827mA     | 446-700mA      |
| Driver Output                            | Constant current output with AM dimming   |               |                |
| Power Factor (Full Load/Half Load)       | 0.95/0.90   | 0.95/0.90     | 0.95/0.90      |
| Operational Voltage                      | 220-240VACrms   |               |                |
| Operating Frequency                      | 50/60Hz   |               |                |
| Inrush Current (Apk/50%-µS)              | 53A/200µS   | 57A/210µS     | 62A/330µS      |
| Running Current (max)                    | 0.208A max  | 0.350A max    | 0.570A max     |
| Surge Protection (COM/DIF)               | 10kV/6kV  | 8kV/6kV       | 8kV/6kV        |
| Additional Surge Protection (on request) | 10kV/10kA   |               |                |
| Lighting Controls Options                | NEMA 3, 7, Miniature photocell, Zhaga book 18 (SR) socket, PND and CMS compatible |               |                |
| Dimming Protocols                        | DALI  |               |                |


## Mechanical Characteristics

|                           |   |
|---------------------------|---|
| Housing Material          | High pressure die cast aluminium  |
| Housing Finish            | Chromate free pre treatment polyester powder coat<br>Light grey (RAL9006) black (RAL9005) |
| Bowl Material             | UV stabilised polycarbonate   |
| Lens Material             | PMMA  |
| Ingress Protection Rating | IP66  |
| Weight                    | 10.5kg  |
| Wind Area                 | 0.14m <sup>2</sup>  |
| Impact Resistance Rating  | IK10 bowl/IK08 top  |
| Mounting Methods          | Post top 76mm   |



The PowerSet module option allows on site power adjustment providing maximum flexibility both in-situ and for stock holding. Each module accommodates the selection of any one of the range of powers for the LUZ luminaire.

**For more information**

 +44 (0) 1527 521 162

[www.trtlighting.co.uk](http://www.trtlighting.co.uk)

