

TRTLIGHTING

LUZ

PowerSet



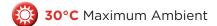


10.2kg Weight

0.14m² Wind Area

I Electrical Class







SPECIFICATION

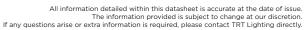
- LED colour temperature of 3000k or 4000k
- Colour rendering index > 70
- Projected L90 after 100,000 hours
- · Power Factor 0.95 at full load
- · High quality pressure die cast aluminium components
- · Post top mounting of 76mm
- Full range of retrofit internal shields available
- UMSUG codes available 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, 5, 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 overide option
- DALI compatible for use with CMS
- Tool-less access

RANGE OVERVIEW

| Type | System Power | Road Optics | Area Optics | сст | Lumen Output | CRI |
|------------|-----------------|----------------|----------------|-------------------|-------------------|-----|
| Luz 4 LED | 14-50W | ✓ | 1 | 3000k or 4000k | Up to 5458lm | >70 |
| Luz 8 LED | 51-83W | ✓ | 1 | 3000k or 4000k | Up to 9096lm | >70 |
| Luz 16 LED | 85-137W | 1 | 1 | 3000k or 4000k | Up to 16,282lm | >70 |













LUZ PowerSet

ELECTRICAL CHARACTERISTICS

| | Luz 4 LED | Luz 8 LED | Luz 16 LED | |
|---|---|---------------|----------------|--|
| System Power | 14W-50W | 51W-83W | 85W-137W | |
| LED CCT | 3000k or 4000k | | | |
| LED CRI | >70 | | | |
| Lumen Output | Up to 5,485lm | 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%-uS) | 53A/200uS | 57A/210uS | 62A/330uS | |
| Running Current | 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, 5, 7, Miniature Photocell, Zhaga Book 18 (SR) Socket, PND and CMS compatible | | | |
| Dimming Protocols | DALI | | | |

MECHANICAL CHARACTERISTICS

| Housing Material | High pressure die cast aluminium | |
|---------------------------|---|--|
| Bowl Material | UV stabilised polycarbonate | |
| Lens Material | РММА | |
| Housing Finish | Chromate free pre treatment Polyester powder coat Light Grey (RAL9006) Black (RAL9017) | |
| Ingress Protection Rating | IP65 | |
| Weight | 10.2kg | |
| Wind Area | 0.14m ² | |
| Impact Resistance Rating | IK10 Bowl / IK08 Top | |
| Mounting Methods | Post Top 76mm | |

SHIELDS OPTIONS

| Universal (Front & Back) | 83BAF71400 |
|--------------------------|------------|
| Side | 83BAF71401 |

The PowerSet module option allows on site power adjustment providing maximum flexibility both in-situ and for stock holding.

Each module accomodates the selection of any one of the range of powers for the LUZ luminaire.



All information detailed within this datasheet is accurate at the date of issue.

The information provided is subject to change at our discretion.

If any questions arise or extra information is required, please contact TRT Lighting directly.

