www.ledespecial.com

Energia solar led S. L
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0034 916426626

Model: **ESL-A8**

# A8 Series IP66 & IK10 Waterproof LED Batten

A8 LED tri-proof lights provide 4 variants of wide-voltage, all-in-one tunable, dimming and emergency smart lighting solutions.




### Energy-efficient & long lifetime

Max efficacy up to 160lm/W, L70 lifespan surpasses 50,000hrs, advanced aluminium substrate extends overall fixture service life

### Rich specification options

Available sizes 600/1200/1500/2400mm, rated output up to over 120W, CCT 2700K–6500K or triple tunable CCT adjustable

### Upgraded structural & electrical design

Available sizes 600/1200/1500/2400mm, rated output up to over 120W, CCT 2700K–6500K or triple tunable CCT adjustable

### Global Certifications & Flexible Warranty

CE/UKCA/RCM/TUV/CB/SAA applicable; standard 5-year full fixture warranty, emergency battery 4-year warranty

**High-power high thermal conductivity luminaire for large warehouses, cold storage, manufacturing plants & heavy industrial lighting, high performance upgrade fluorescent replacement.**

- Core Protection Rating: A8 models feature IP66 dust-tight & waterproof, IK10 high-impact resistance, complete multi-level electrical protection including overvoltage, overcurrent and short-circuit safeguard. Optional CRI ≥80, CCT range 2700K–65000K / tunable triple CCT on select versions; all parameters fully customisable.
- Structure & Materials: High transmittance opal PC diffuser, PC housing with wide high-speed thermal conductive aluminium substrate for superior heat dissipation, CRCA stainless steel brackets; standard grey finish RAL7035. Supports 3 installation methods: surface mount, wall mount, suspension mount. Equipped with large capacity terminal blocks, supporting loop-in loop-out wiring, compatible with 0–10V / DALI signal conductors.
- Operating Environment: Operating temperature range: -30℃~50℃ for standard models, 0℃~50℃ for emergency & DALI dimming models. Operating humidity: 10%–95% non-condensing. Ideal for harsh heavy-duty environments with moisture, dust and frequent temperature fluctuations.
- Warranty & Certifications: 5-year full fixture warranty, 4-year separate warranty for emergency batteries. Drives certified to CE, UKCA, RCM, TUV, CB, SAA standards. Direct 1:1 replacement for traditional high-wattage fluorescent tubes, tool-free installation & maintenance.

## Product Versions



**A8GU Wide-Voltage Standard**
Input AC 100–264Vac universal
Efficiency 140–160lm/W, built-in high-performance wide-range LED driver
Global voltage compatibility, multiple power & CCT selections for general industrial projects



**A8DV/DA Dimming Versions**
DV: 0–10V analogue dimming | DA: DALI2.0 digital dimming compatible DT6/DT8/D4i
Dimming range 0.01%–100%, long signal transmission distance
Matchable with emergency & microwave sensor modules for smart lighting control



**A8NA All-in-One Wide-Voltage**
Input AC 100–277Vac universal
3-power & 3-CCT tunable via dip switch, 0–10V dimming standard
Supports optional microwave sensor modules, high versatility for multi-requirement project sites



**A8-E/SE Emergency & Sensor Emergency**
Input AC 220–240V, wide voltage variant available
Dual sustained / non-sustained emergency operation, integrated temperature controlled BMS lithium iron phosphate battery
Full protection, auto self-test function, battery 4-year warranty
Integrated 5.8G microwave sensor available on SE variant with adjustable sensor parameters & matching remote control

CRI ≥90 | IP66 | ErP | CE | CB | RoHS | IES file | 0-10V

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## Warnings and Safety

- UV radiation will damage the material over time resulting in loss of waterproof sealing and IP65 rating.
- Do not install the luminaire in locations where it will be exposed to direct sunlight.

## Specifications

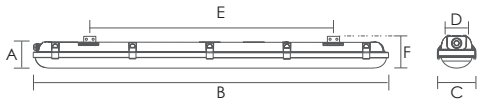
| | |
|---|---|
| Mounting type | Surface |
| | Suspended |
| Operating Temperature range | -30 to +50°C |
| Light Source | SMD2835 |
| Mains Voltage | 220-240Vac or 120-277Vac / 50-60Hz |
| Control system input | ON/OFF \| RF \| DALI \| 0-10V |
| Material | PC+Alu.6063 |
| Main color of the luminaire | RAL9016 |
| Lumen maintenance at median useful life | L90B10, 50,000hr |
| Flicker free | Yes |
| Luminous flux | Up to 10000lm |
| Luminaire efficacy | Up to 160lm/W |
| Correlated color temperature - CCT | 4000K |
| | 6500K |
| Color Rendering index - | 81 |

| | |
|---|---|
| Risk Group | RG0 |
| Optical cover/lens material | PC |
| Optical cover/lens finisha | Opal |
| | Clear |
| Protection Class | Class I |
| Driver replaceable | No |
| Installation | Suspension |
| | Surface |

## General Information

| | |
|---|---|
| Light Technical | |
| Color rendering index (CRI) | 80 |
| Operating and Electrical | |
| Protection class IEC | Safety class I |
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Mechanical and Housing | |
| Mech. impact protection code | IK08 |
| Approval and Application | |
| CE mark | Yes |
| CB mark | Yes |
| Flammability mark | - |

## Dimensional (mm)




| Type | Dimension(mm) | | | | | | No. of cips | N.W/PCS |
|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | | |
| Trilamp A8 2FT | 96 | 600 | 125 | / | 320 | / | 6 | 1.2kg |
| Trilamp A8 4FT | | 1200 | | | 860 | | 10 | 2.2kg |
| Trilamp A8 5FT | | 1500 | | | 1140 | | 12 | 2.7kg |
| Trilamp A8 8FT | | 2400 | | | 1640 | | 18 | 4.8kg |

## Order Code

Specifications using 4000K and subject to change. All parameters +/- 5%.

| Version | Item No. | Full Product Datasheet | Function | Sales Aera |
|---|---|---|---|---|
| GU | A8-LN2FTZZ-MMK-GU | A8 600mm 40W 4000K 160LPW 100-264V | Constant On | European |
| | A8-LN4FTZZ-MMK-GU | A8 1200mm 60W 4000K 160LPW 100-264V | Constant On | European |
| | A8-LN5FTZZ-MMK-X | A8 1500mm 80W 4000K 160LPW 100-264V | Constant On | European |
| | A8-LN8FTZZ-MMK-X | A8 1500mm 120W 4000K 160LPW 100-264V | Constant On | European |
| NORMAL | A8-LD2FTZZ-MMK-NA | A8 600mm 40W 4000K 160LPW CCT&DIP \| 100-277V | 0/1-10V Dimming | European |
| | A8-LD4FTZZ-MMK-NA | A8 1200mm 60W 4000K 160LPW CCT&DIP \| 100-277V | 0/1-10V Dimming | European |
| | A8-LD5FTZZ-MMK-X | A8 1500mm 80W 4000K 160LPW CCT&DIP \| 100-277V | 0/1-10V Dimming | European |
| | A8-LD8FTZZ-MMK-X | A8 1500mm 120W 4000K 160LPW CCT&DIP \| 100-277V | 0/1-10V Dimming | European |
| DALI | A8-2FTZZ-MMK-D/DA | A8 600mm 40W 4000K 160LPW 220-240Vac \| 100-277Vac \| Emergency 2W3hr | DALI2.0, 0.01 | European |
| | A8-4FTZZ-MMK-D/DA | A8 1200mm 60W 4000K 160LPW 220-240Vac \| 100-277Vac \| Emergency 20W3hr | DALI2.0, 0.01 | European |
| | A8-5FTZZ-MMK-D/DA | A8 1500mm 80W 4000K 160LPW 220-240Vac \| 100-277Vac \| Emergency 3W90m | DALI2.0, 0.01 | European |
| ES | A8-2FTZZ-MMK-S/SE | A8 600mm 20W 4000K 160LPW Emergency Power: 2W(M1), 3W(X7) | Emergency | European |
| | A8-4FTZZ-MMK-S/SE | A8 1200mm 40W 4000K 160LPW Emergency Power: 2W(M1), 3W(X7) | Emergency | European |
| | A8-4FTZZ-MMK-S/SE | A8 1500mm 60W 4000K 160LPW Emergency Power: 2W(M1), 3W(X7) | Emergency | European |