www.ledespecial.com

Energia solar led S. L
calle Rio Tormes 13 Fuenlabrada 28947 Madrid Spain
Email: energiasolarled2008@gmail.com
0034 916426626

Model: **ESL-A7**

A7 Series IP66 & IK10 Low Voltage LED Batten

A7 low-voltage LED tri-proof lights have 3 variants for standard, microwave sensor and emergency temporary lighting.



Energy-efficient & long lifetime

Max efficacy up to 160lm/W, L75 lifespan ≥50,000hrs

Rich specification options

Available 600/1200/1500mm, max output up to over 8100lm, CCT 2700K~6500K adjustable

Upgraded structural & electrical design

Reinforced anti-UV flame retardant PC housing, robust metal fasteners, toolless pluggable waterproof wiring, IK10 impact resistance

Global Certifications & Flexible Warranty

CE/UKCA/RCM/ETL approved; standard 5-year full fixture warranty, emergency battery 4-year warranty

Professional low-voltage temporary lighting solution, ideal for construction sites, tunnels, mining and hazardous working areas, featuring high safety, easy installation and versatile functions.

- Core Protection Rating: A7 series boasts IP66 dustproof & waterproof and IK10 high impact resistance, equipped with comprehensive electrical protection including overcharge, undervoltage disconnection, overcurrent and short circuit protection. CCT ranges from 2700K–6500K, and Tri-CCT (3000K/4000K/5700K) is optional to meet diverse lighting demands.
- Structure & Materials: Adopts high-transmission opal polycarbonate diffuser and polycarbonate chassis, standard color RAL7035 grey. Three installation options: surface mount, wall mount and suspension mount. Designed with 923 terminal blocks, supporting loop-in & loop-out wiring for convenient on-site wiring.
- Operating Environment: Standard models work at -30℃~50℃, emergency versions operate within 0℃~50℃. Relative humidity ranges from 10%–95% non-condensing. The low-voltage design (24-48V AC/DC) effectively reduces electric shock risks for high-safety working scenarios.
- Warranty & Certifications: 5-year warranty for the whole luminaire; emergency battery enjoys a separate 4-year warranty for 4 years. Certified to CE, UKCA, RCM, CB and SAA standards. Tool-free installation and maintenance, compatible with large-scale temporary lighting projects.

Product Versions



A7-LV Standard Low-Voltage
Input: 24-36-48V AC/DC, 50/60Hz
Power options: 20W, 20/30/40W
Luminous efficacy up to 140lm/W±10%, wide CCT selection
Classic low-voltage model for general temporary lighting applications



A7-LS Low-Voltage Microwave Sensor
Input: 24-36-48V AC/DC, 60Hz
Comes with 5.8G microwave sensor (MC004-S02R/MC004-S02ER) and matched remote control MR003
Ultra-narrow 11mm antenna eliminates dark areas; sensitivity, hold time, daylight threshold and standby dimming are fully adjustable
Aux interface reserved for extended smart control functions



A7-LE Low-Voltage Emergency
Input: 24-48V DC, 50/60Hz
Working mode: Maintained emergency mode
Main power: 10-15W; Emergency power: 2W/3W/5W, 3-hour emergency duration
Built-in temperature-controlled BMS and LiFePO4 battery, supports manual test & self-test
Optional DALI 2.0 and 5.8G microwave sensor, compliant with AS/NZS 2293 standards

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

Energia solar led S. L
calle Rio Tormes 13 Fuenlabrada 28947 Madrid Spain
Email: energiasolarled2008@gmail.com
0034 916426626

www.ledespecial.com

Model: **ESL-A7**

A7 Series IP66 & IK10 Low Voltage LED Batten

A7 low-voltage LED tri-proof lights have 3 variants for standard, microwave sensor and emergency temporary lighting.

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

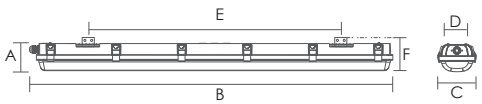
Mounting type	Surface
	Suspended
Operating Temperature range	-30 to +50°C
Light Source	SMD2835
Mains Voltage	220-240Vac or 120-277Vac / 50-60Hz
Control system input	ON/OFF | RF | DALI | 0-10V
Material	PC+Alu.6063
Main color of the luminaire	RAL9016
Lumen maintenance at median useful life	L90B10, 50,000hr
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 A7 2FT	82	600	95	58	320	89	8	0.8kg
Trilamp A7 4FT		1200			860		12	1.5kg
Trilamp A7 5FT		1500			1140		14	1.8kg

Order Code

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

Version	Item No.	Full Product Datasheet	Function	Sales Aera
LV	A7-2FT20-MMK-LV	A7 600mm 20W 4000K 140LPW 4-36-48Vac/dc	Constant On	European
	A7-4FTZZ-MMK-LV	A7 1200mm 40W 4000K 140LPW 4-36-48Vac/dc	Constant On	European
	A7-5FTZZ-MMK-LV	A7 1500mm 40W 4000K 140LPW 4-36-48Vac/dc	Constant On	European
LV/LE	A7-2FTZZ-MMK-LV/LE	A7 600mm 20W 4000K 140LPW Emergency 2W/3hr 24-48Vdc	Constant On	European
	A7-4FTZZ-MMK-LV/LE	A7 1200mm 40W 4000K 140LPW Emergency 3W/3hr 24-48Vdc	Constant On	European
	A7-5FTZZ-MMK-LV/LE	A7 1500mm 40W 4000K 140LPW Emergency 5W/3hr 24-48Vdc	Constant On	European
LS	A7-2FT20-MMK-LS	A7 600mm 20W 4000K 140LPW 24-36-48Vac/dc	Constant On	European
	A7-4FTZZ-MMK-LS	A7 1200mm 40W 4000K 140LPW 24-36-48Vac/dc	Constant On	European
	A7-5FTZZ-MMK-LS	A7 1500mm 40W 4000K 140LPW 24-36-48Vac/dc	Constant On	European

Fanxstar is committed to continuously improve our products. All features and specifications are subject to change without prior notice. All rights reserved.