Energia solar led S. L
calle Rio Tormes 13 Fuenlabrada 28947 Madrid Spain
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0034 916426626

www.ledespecial.com

Model: **ESL-A11**

A11 Series IP66 & IK10 Waterproof LED Batten

A11 LED tri-proof lights have 3 wide-voltage, DALI & sensor-emergency models.



Energy-efficient & long lifetime

Max efficacy up to 160lm/W, flicker-free light output, long service life and low light attenuation, remarkable energy-saving effect

Rich specification options

Available sizes 600/1200/1500mm, power ranges from 10W to 60W, multiple sensor and emergency configurations for selection

Upgraded structural & electrical design

Reinforced PC housing, IP66 waterproof & dustproof plus IK10 anti-impact, reliable loop wiring and comprehensive circuit protection

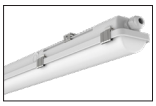
Global Certifications & Flexible Warranty

CE/UKCA/RCM/CB approved and compliant with EN standards; 5-year fixture warranty, 4-year warranty for emergency batteries

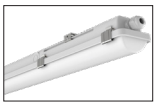
Premium full-voltage triproof luminaire designed as a perfect replacement for traditional double-tube fluorescent lights, ideal for commercial spaces, warehouses, factories and large-scale industrial lighting projects.

- Core Protection Rating: A11 series features IP66 dust-tight & waterproof and IK10 high-impact resistance, equipped with comprehensive electrical protection against overcharge, undervoltage, overcurrent and short circuit. Flicker-free performance (<1%), CRI ≥80, CCT adjustable from 2700K–6500K to satisfy diverse lighting demands.
- Structure & Materials: High-transmission opal polycarbonate diffuser and sturdy PC housing with standard RAL7035 grey finish. Three installation options: surface mount, wall mount and suspension mount. Fitted with large terminal blocks and standard Φ1.5-2.5㎡ through-wiring design, supporting loop-in & loop-out wiring for quick series connection on site.
- Operating Environment: Operating temperature range: -20℃~50℃ for all models. Relative humidity ranges from 10%–95% non-condensing. Stable operation in humid, dusty and other harsh industrial environments.
- Warranty & Certifications: 5-year full fixture warranty, 4-year separate warranty for built-in emergency batteries. Compliant with CE, UKCA, SAA and AS/NZS 2293.3 standards. Tool-free installation and maintenance, excellent compatibility for global engineering projects.

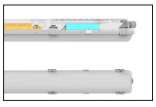
Product Versions



A11GU Wide-Voltage Standard
Input: AC 100–264Vac universal, 50/60Hz
Power options: 10-20W, 20-40W, 40-60W
Luminous efficacy 140–160lm/W, wide CCT selection
Global full-voltage design, cost-effective for universal basic lighting applications



A11-DA DALI2.0 Dimming
Input: AC 220–240Vac, 50/60Hz
Supports DALI2.0 protocol compatible with DT6/DT8/D4i, dimming range 0.01%-100%, 0-10V dimming optional
Built-in intelligent 3-stage charger and BMS system; multiple emergency power & duration options
Matchable with dedicated DALI dimming sensor, perfect for professional smart dimming systems



A11-SE Sensor & Emergency 2-in-1
Input: AC 220–240Vac, 50/60Hz
Integrated 5.8G microwave sensor (MC004-S02/R) with 11mm ultra-narrow antenna for zero dark area, paired with remote control MR003
Maintained emergency mode, emergency power 2W/3W/4W/5W with 1.5 or 3-hour backup duration
Supports manual test and auto self-test, dual-color LED indicators for real-time status feedback, compliant with AS/NZS standards

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

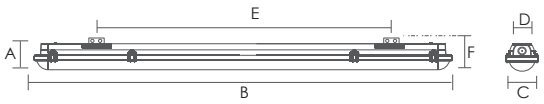
Mounting type	Surface
	Suspended
Operating Temperature range	-30 to +50°C
Light Source	SMD2835
Mains Voltage	220-240Vac or 120-277Vac / 50-60Hz
Control system input	ON/OFF | RF | DALI | 0-10V
Material	PC+Alu.6063
Main color of the luminaire	RAL9016
Lumen maintenance at median useful life	L90B10, 50,000hr
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 A11 2FT	82	600	110	72	320	89	8	1.2kg
Trilamp A11 4FT		1200			855		12	2.2kg
Trilamp A11 5FT		1500			1135		14	2.7kg

Order Code

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

Version	Item No.	Full Product Datasheet	Function	Sales Aera
EXTRA	A11-2FTZZ-MMK-X	A11 600mm 20W 4000K 160LPW 100-264V	Constant On	European
	A11-2FTZZ-MMK-X	A11 1200mm 40W 4000K 160LPW 100-264V	Constant On	European
	A11-5FTZZ-MMK-X	A11 1500mm 60W 4000K 160LPW 100-264V	Constant On	European
GU	A11-2FTZZ-MMK-GU	A11 600mm 20W 4000K 160LPW 100-264V	Constant On	European
	A11-4FTZZ-MMK-GU	A11 1200mm 40W 4000K 160LPW 100-264V	Constant On	European
	A11-5FTZZ-MMK-GU	A11 1500mm 60W 4000K 160LPW 100-264V	Constant On	European
DALI	A11-2FTZZ-MMK-DA	A11 600mm 20W 4000K 140LPW Emergency 15W/3hr	DALI2.0 Dimming	European
	A11-4FTZZ-MMK-DA	A11 1200mm 40W 4000K 140LPW Emergency 20W/2hr	DALI2.0 Dimming	European
	A11-5FTZZ-MMK-DA	A11 1500mm 60W 4000K 140LPW Emergency 30W/30m	DALI2.0 Dimming	European
EMG	A11-2FTZZ-MMK- SE	A11 600mm 20W 4000K 160LPW Emergency 2/3/4/5W/3hr	Emergency	European
	A11-4FTZZ-MMK-SE	A11 1200mm 40W 4000K 160LPW Emergency 2/3/4/5W/3hr	Emergency	European
	A11-4FTZZ-MMK-SE	A11 1500mm 60W 4000K 160LPW Emergency 2/3/4/5W/3hr	Emergency	European

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