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Energia solar led S. L
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0034 916426626

Model: **ESL-A22**

A22 Trilamp AWB Aluminum Waterproof Batten

3 variants: standard, microwave sensor & emergency for commercial & industrial lighting



Energy-efficient & long lifetime

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

Rich specification options

Available in 600/1200/1700mm, max output up to over 20,000lm, CCT 2700K~6500K adjustable

Upgraded structural & electrical design

Aerospace-grade aluminum housing, reinforced IP65 multi-seal protection, IK08 impact resistance, optional microwave sensor & emergency backup

Global Certifications & Flexible Warranty

CE approved; standard 7-year full fixture warranty, emergency battery 6-year warranty

Heavy-Duty IP65 Industrial Low UGR Light
Rugged, high-output low-glare luminaire for warehouses, cold storage, large car parks & heavy industrial lighting, direct high-power fluorescent replacement with optimized visual comfort.

- Aerospace-grade aluminum body: Compared with traditional plastic vapor-tight fixtures, the integrated aluminum housing delivers over 40% higher heat dissipation efficiency, rapidly drawing away heat generated by the LEDs. This effectively suppresses lumen depreciation, significantly extends the light source lifespan, and ensures the fixture remains cool and distortion-free under high-load industrial conditions.
- Low UGR optical design with A22 dedicated lens: UGR＜19 to mitigate visual fatigue in long-shift working zones; selectable beam angles of 60°/90°/120° to flexibly match different space illumination requirements.
- IP65 full protection seal: Multi-layer sealing technology, from end caps to all joints, provides complete protection against dust ingress and resistance to water splashes and humid environments. It is ideal for demanding locations such as parking garages, cold storage facilities, slaughterhouses, and tunnels where dust, moisture, and corrosion are common challenges.
- High impact resistance: With an IK08 impact rating, the fixture withstands accidental knocks and vibrations, making it suitable for high-risk environments like heavy industrial workshops and logistics warehouses. This reduces the risk of physical damage and lowers long-term maintenance costs.



Product Versions

Standard Version (N)
Basic model without sensor or emergency function, for general industrial and commercial lighting.
Microwave Sensor Version (S)
Built-in 5.8G microwave sensor with adjustable parameters, delivering intelligent energy-saving performance.
Emergency Version (E)
Equipped with emergency power module, automatically activates backup lighting when power cuts out, compliant with fire safety regulations.

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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.

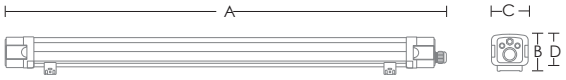
Specifications

Mounting type	Surface
	Suspended
Operating Temperature range	-30 to +50°C
Light Source	SMD2835
Mains Voltage	220-240Vac
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
Power consumption	40W to 80W
Luminaire efficacy	Up to 140lm/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 IEC61140	Class I
Mechanical impact protection	IK08
Ingress protection	IP65
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)				
	A	B	C	D	N.W/PCS
Trilamp A22 2FT	600	74	74	63	1.25kg
Trilamp A22 4FT	1200				1.84kg
Trilamp A22 6FT	1500				2.52kg

Order Code

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

Version	Item No.	Full Product Datasheet	Function	Sales Aera
	A22-2FTZZ-MMK-L60	A22 600mm 20W 4000K 140LPW Angle 60°	Constant On	European
EXTRA	A22-4FTZZ-MMK-L60	A22 1200mm 40W 4000K 140LPW Angle 60°	Constant On	European
	A22-5FTZZ-MMK-L60	A22 1500mm 60W 4000K 140LPW Angle 60°	Constant On	European
	A22-2FTZZ-MMK-L90	A22 600mm 20W 4000K 140LPW Angle 90°	Constant On	European
EXTRA	A22-4FTZZ-MMK-L90	A22 1200mm 40W 4000K 140LPW Angle 90°	Constant On	European
	A22-5FTZZ-MMK-L90	A22 1500mm 60W 4000K 140LPW Angle 90°	Constant On	European

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