www.ledespecial.com

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

Model: **ESL-A20**

AWB Aluminum Based Linkable Waterproof Batten

Two dimming options (0-10V / DALI2) with 3 lengths and customizable add-ons for industrial smart lighting.



Ultra-wide Precision Dimming Performance

0.01–100% smooth dimming capability
Two control variants available:
A20 DV: 0-10V analog dimming
A20 DA: DALI2 digital dimming, certified Digital Illumination Interface Alliance compliant

Rich specification options

Available lengths: 600mm / 1200mm / 1500mm
Power range: 10–60W, high luminous efficacy design
Wide CCT tuning range: 2700K–6500K adjustable

Upgraded structural & electrical design

Reinforced IP65 dustproof & waterproof, IK10 impact resistant. Multi-protection circuit: overcharge, overcurrent, short-circuit & undervoltage cut-off
Optional: dimmable microwave sensor, 1.5/3h emergency power pack. Surface mount brackets for ceiling & wall installation

Global Certifications & Warranty

Standard 5-year full fixture product warranty
Compliant with major international certification standards

Heavy-Duty IP65 Dimmable Industrial Linear Light
Modular seamless-link luminaire designed for professional industrial dimming projects, ideal for factories, logistics zones, commercial spaces requiring grouped, precise lighting control. Direct high-performance industrial lighting upgrade.

- Aerospace-grade aluminum housing: Integrated extruded aluminum structure delivers excellent thermal conductivity, rapidly dissipating LED operating heat. This curtails lumen depreciation, prolongs LED service life, and maintains stable fixture temperature under continuous high-power operation.
- IP65 multi-layer full sealing construction: Fully sealed end caps and connection interfaces block dust ingress and resist water splashes, adapting to damp, dusty industrial environments.
- IK10 impact resistance: Robust casing withstands mechanical knocks and workplace vibration, lowering physical damage risk and long-term maintenance overhead.
- Seamless linkable design: Supports series connection via dedicated seamless/variable connectors; maximum linkable quantity regulated by fixture power rating for flexible large-area layout.

Product Versions

Classified by dimming control protocol, three physical lengths supported, matched with configurable functional add-ons for diverse industrial lighting control demands:

0-10V Dimming Version (DV)
Analog low-voltage dimming control, cost-effective solution for standard industrial dimming projects.

DALI2 Digital Dimming Version (DA)
DALI-2 certified digital intelligent control, enables group addressing, scene setting, and seamless integration with building smart lighting systems.

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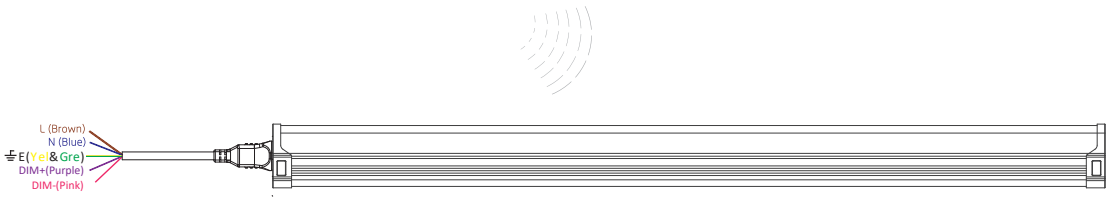
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Function description

5 Lines Input Design for 0/1-10V or DALI2.0 Dimming application

5 Lines Input Design for 2/3/4/5W Emergency Lighting, 1.5 or 3 hours Duration



Series Installation Manual



NOTE: Different power determine the quantity of the joint fixtures as shown below.

Series as 230Vac:

Power	10-30W	30-50W	50-80W
Qty	33 pcs	20 pcs	12 pcs

Accessories

End cap for IP65 Fastener Link

8312.0002	L 18, W 28, H 18	For A20-DA Standard



Direct Connector for IP65 Seamless Connection

8312.3001	L 50, W 28, H 18	For A20-DA Standard



IP65 Waterpoof Input Power Cable

8312.1001	5*1.0, L 1000mm	For A20-DA Standard



IP65 Waterpoof Jumping Power Cable

8300.2001	5*1.0, L 1000mm	For A20-DA Standard



Mounting brackets made of stainless steel (theft protection) for ceiling and wall mounting

8312.4001	L 45, W 25, H 10	For Trilamp A20 Customized with SS304
8312.4002	L 45, W 25, H 10	For Trilamp A20 standard with SS201



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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.

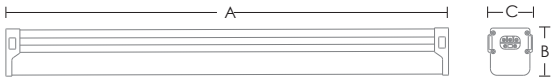
Specifications

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	N.W/PCS
Trilamp A20 2FT	600	68	64	1.05kg
Trilamp A20 4FT	1200			1.72kg
Trilamp A20 6FT	1500			2.43kg

Order Code

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

Version	Item No.	Full Product Datasheet	Function	Sales Aera
DIM	A20-2FTZZ-MMK-DV/DA	A20 600mm 30W 4000K 140LPW 0/1-10V Dimming	0/1-10V Dimming	European
	A20-4FTZZ-MMK-DV/DA	A20 1200mm 60W 4000K 140LPW 0/1-10V Dimming	0/1-10V Dimming	European
	A20-5FTZZ-MMK-DV/DA	A20 1500mm 80W 4000K 140LPW 0/1-10V Dimming	0/1-10V Dimming	European

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