www.ledespecial.com

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

Model: **ESL-A16**

A16 Series Tri-proof LED Batten Lights

A16 offers 6 specialized versions for all commercial & industrial lighting needs.



IP65 & IK08 Rated, Broad Temperature Range

IP65 dust/waterproof, IK08 shock resistant. Operating temp: -30℃~50℃, LT model down to -40℃. CRI80, 220-240V input, TUV CB/CE certified, 5-years warranty.

Optimized SKUs & Easy Installation

5 variants (X/P/MS/CP/LT), 12 consolidated SKUs. Tool-free wiring & daisy-chain linkable; up to 30 units (max 1000W total).

Multiple Sizes, Mounting & Tunable CCT

600/1200/1500mm lengths, white RAL9016 PC housing for ceiling/wall/suspend mount. CCT 2700K-6500K, DIP-adjustable power & CCT on A16-CP version to ruduce your 12 skus.

Optional 2.4G+5.8G Microwave Sensor

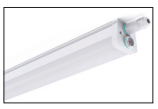
2.4GHz RF synchronize grouping motion senor, 5x6m detection range; Maintain ≤15m fixture spacing. Remote control with MR013.

Waterproof luminaire ideal for warehouses, cold storage, car parks, wash-down workshops & industrial general lighting

- The Fanxstar A16 series consists of IP65 & IK08 waterproof LED batten lights, including five models: CP, S, X/P, N and LT. All products run on 220-240V, 50/60Hz power supply with CRI 80. They feature tool-free wiring and daisy-chain connection, come with a 5-year warranty and comply with CB/CE/UKCA/RCM standards. The standard operating temperature ranges from -30°C to 50°C, while the LT model works at temperatures as low as -40°C.
- Microwave Sensor: Equipped with 5.8G radar sensor. Sensing distance: 5-8 meters. Lights turn on automatically when human presence is detected in dim environments, and fade out 30 seconds after people leave. A minimum 5-meter gap between adjacent lights is recommended.



Product Versions



A16-CP (External CCT & DIP Switch Model)
Support adjustable color temperature and power via external DIP design.
600mm: 14/16/18/20W, luminous efficacy: 122-138 lm/W
1200mm: 25/30/35/40W, luminous efficacy: 124-140 lm/W
1500mm: 42/48/54/60W, luminous efficacy: 124-140 lm/W



A16-X/P (High-efficiency Linkable Model)
High luminous output and daisy-chain capability, 20% more energy-saving than regular models.
A16-X (Extra): 140 lm/W; Power: 18W (600mm), 36W (1200mm), 54W (1500mm)
A16-P (Pro): 160 lm/W; Power: 14W (600mm), 28W (1200mm), 36W (1500mm)



A16-N (Standard Quick Link Model)
Cost-effective basic version with L/N quick connection.
Luminous efficacy: 120 lm/W.
600mm: 10-18W
1200mm: 36W
1500mm: 40-54W
LED quantity varies by specifications.



A16-S (Dimmable Microwave Sensor Model)
Built-in microwave sensor and dimming function, compatible with 0-10V / 10V PWM dimming. Luminous efficacy: 140 lm/W (±10%). Featured with overcharge, undervoltage, overcurrent and short circuit protection. Power options: 10-18W, 20-36W, 40-54W. Matched with dedicated sensor modules and remote control.



A16-LT (Low Temperature Resistant Model)
Designed for freezing environments, operating down to -40°C. Luminous efficacy: 140 lm/W.
600mm: 10-20W
1200mm: 20-40W
1500mm: 40-60W

CRI ≥90 | IP65 | 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(Ceiling or Wall) Suspended
Operating Temperature range	-30 to +50°C (LT Version is -40°C)
Light Source	SMD 2835
Mains Voltage	220-240Vac or 90-264Vac / 50-60Hz
Wiring Connection	2/3/4 Pin Quick Connector
Material	PC+Alu.6063
Main color of the luminaire	White(RAL9016)
Lumen maintenance at median useful life	L80B10, 50,000hr
Flicker free	Yes
Luminous flux	Up to 9600lm
Power consumption	20W to 60W
Luminaire efficacy	Up to 165lm/W
Correlated color temperature - CCT	6500K Optional 3000K/4000K/5000K
Optical cover material	Milky Polycarbonate (PC)
Protection Class IEC61140	Class I
Driver replaceable	Yes
Approval or Compliance	CB/CE mark SAA

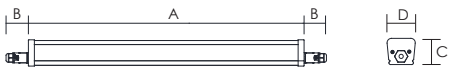
General Information

Light Technical	
Color rendering index (CRI)	80
Risk Group	RG0
Operating and Electrical	
Protection class IEC	Safety class I
Input Voltage	220 to 240 Vac
Line Frequency	50 to 60 Hz
Mechanical and Housing	
Ingress Protection(IEC61140)	IP65
Mech. impact protection code	IK08
Fire rating	UL 94V2
*Anti-UV level(Optional)	F1(UL756C)

Dimming Information

Driver Technical	
DALI dimmbale driver	DT6
Dimmable	Yes
Dimming Dormat	DALI2.0
Analogue(1-10V) information	Customizable per project needs

Dimensional (unit:mm)



Type	Dimension(mm)				
	A	B	C	D	N.W/PCS
Trilamp A16 2FT	544	52	57	62	0.45kg
Trilamp A16 4FT	1144				0.86kg
Trilamp A16 5FT	1444				1.05kg

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Order Code

Specifications using 6500K and subject to change. All parameters +/- 5%.

Version	Item No.	Full Product Datasheet	Function	Sales Aera
EXTRA	A16-2FT20-65K-X-EU	A16 600mm 20W 6500K 140LPW Extra	Constant On	European
	A16-4FT40-65K-X-EU	A16 1200mm 40W 6500K 140LPW Extra	Constant On	European
	A16-5FT60-65K-X-EU	A16 1500mm 60W 6500K 140LPW Extra	Constant On	European
PRO	A16-2FT40-65K-P-EU	A16 600mm 20W 6500K 160LPW Pro	Constant On	European
	A16-4FT40-65K-P-EU	A16 1200mm 40W 6500K 160LPW Pro	Constant On	European
	A16-5FT60-65K-P-EU	A16 1500mm 60W 6500K 160LPW Pro	Constant On	European
RF GROUP SENSOR	A16-2FT20-65K-RS-EU	A16 600mm 20W 6500K 140LPW 2.4+5.8G Microwave Sensor	RF Group Motion Sensor	European
	A16-4FT40-65K-RS-EU	A16 1200mm 40W 6500K 140LPW 2.4+5.8G Microwave Sensor	RF Group Motion Sensor	European
	A16-5FT60-65K-RS-EU	A16 1500mm 60W 6500K 140LPW 2.4+5.8G Microwave Sensor	RF Group Motion Sensor	European
DT6	A16-2FT20-65K-DT6-EU	A16 600mm 20W 6500K 140LPW DT6	DT6 Dimmable	European
	A16-4FT40-65K-DT6-EU	A16 1200mm 40W 6500K 140LPW DT6	DT6 Dimmable	European
	A16-5FT60-65K-DT6-EU	A16 1500mm 60W 6500K 140LPW DT6	DT6 Dimmable	European
EMG	A16-2FT20-40K-E203-EU	A16 600mm 20W 6500K 140LPW Emergency 2W 3hr	Constant On	European
	A16-4FT40-40K-EXXX-EU	A16 1200mm 40W 6500K 140LPW Emergency 2/3W 1.5/3hr	Constant On	European
	A16-5FT60-65K-EXXX-EU	A16 1500mm 60W 6500K 140LPW Emergency 3/5W 1.5/3hr	Constant On	European
CP	A16-2FTZZ-MMK-CP-EU	A16 600mm ZZ=8/13/15/20W MM=30/40/65K 150LPW CCT+DIP	3CCT&Power	European
	A16-4FTZZ-MMK-CP-EU	A16 1200mm ZZ=16/26/30/40W MM=30/40/65K 150LPW CCT+DIP	3CCT&Power	European
	A16-5FTZZ-MMK-CP-EU	A16 1500mm ZZ=24/40/48/60W MM=30/40/65K 150LPW CCT+DIP	3CCT&Power	European

Special lighting Low Temperature

Version	Item No.	Full Product Datasheet	Function	Sales Aera
LT	A16-2FT15-65K-LT-GU	A16 600mm 15W 6500K 140LPW -40℃90-264Vac	Constant On	Global Univisal
	A16-4FT33-65K-LT-GU	A16 1200mm 33W 6500K 140LPW -40℃ 90-264Vac	Constant On	Global Univisal
	A16-5FT45-65K-LT-GU	A16 1500mm 45W 6500K 140LPW -40℃ 90-264Vac	Constant On	Global Univisal

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