www.ledespecial.com

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

Model: **ESL-B6**

Batman B6 Cleanroom LED Battens

Batman B6 cleanroom LED battens have 3 variants: standard, microwave sensor & prism mask for indoor & factory projects.



Energy-efficient & cost-effective
High-performance SMD2835 LEDs and stable drivers, delivering long service life and low energy consumption.

Rich specification & size options
Available in 600mm and 1200mm. Power: 18W / 36W, CCT range 2700K–6500K for flexible selection.

Upgraded structural & electrical design
Integrated heat sink for better cooling. Optional prism mask and 5.8G microwave sensor for diversified usage.

Reliable Warranty
3-year warranty for all LED and emergency luminaires.

Professional LED batten specially designed for cleanrooms, offices and manufacturing workshops. Perfect direct replacement for traditional T5/T8 double fluorescent tubes.

- Easy Installation & Direct Retrofit: 79mm slim body for easy retrofit of 2×18W T5 and 2×36W T8 fluorescent tubes. No wall renovation required. 220-240V input for stable operation.
- Modular Design & Low Maintenance: Aluminium heat sink for efficient heat dissipation. Optional prism mask for upgraded performance. Built-in 5.8G microwave sensor with daylight detection available. Low installation and maintenance costs.
- Excellent Heat Dissipation & Long Lifetime: Premium aluminium structure reduces lumen depreciation. LED lifespan: 50,000 hours @ L70. Operating Temperature: -20℃ ~ +45℃.
- Solid Protection & Wide Adaptability: IP40 dustproof, IK05 impact resistance, Class II protection. Reliable for cleanrooms, storage areas and industrial facilities.
- Superior Optical Performance & Eye-Friendly Light: 120° beam angle with uniform lighting. Flicker-free design. Standard CRI 80, optional CRI 90, luminous efficacy up to 120lm/w.

Product Versions

B6-N (Standard)
Basic version with 220-240V input, 120lm/w efficacy, CRI 80. Ideal for general indoor and cleanroom lighting.
B6-S (Microwave Sensor)
Built-in 5.8G microwave sensor with daylight function, realizing intelligent energy-saving for warehouses and factories.
B6-P (Prism Mask)
Optional prism mask enhances lighting performance, improving market competitiveness for engineering projects.

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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

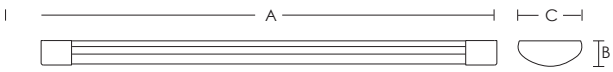
Mounting type	Surface
	Suspended
Operating Temperature range	-30 to +50°C
Light Source	SMD2835
Mains Voltage	220-240Vac or 120-277Vac / 50-60Hz
Control system input	ON/OFF | RF | DALI | 0-10V
Material	PC+Alu.6063
Main color of the luminaire	RAL9016
Lumen maintenance at median useful life	L90B10, 50,000hr
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)			
	A	B	C	N.W/PCS
Batman B6 2FT	600	29	76	7.9kg
Batman B6 4FT	1200			15.8kg

Order Code

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

Version	Item No.	Full Product Datasheet	Function	Sales Aera
Normal	B6-2FT18-MMK-N	B6 600mm 18W 4000K 120LPW CCT	Constant On	European
	B6-4FT36-MMK-N	B6 1200mm 36W 4000K 120LPW CCT	Constant On	European

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