Energia solar led S. L
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0034 916426626

www.ledespecial.com

Model: **ESL-B5**

Batman B5 Series Classic LED Battens Versatile

B5 LED battens offer 4 global wide-voltage, CCT, microwave sensor & emergency models for indoor commercial lighting.



Energy-efficient & cost-effective
High luminous efficiency reduces power consumption, lowers installation and operational costs.

Rich specification & size options
Available in 600/1200/2400mm; power range 12–150W, CCT selectable from 2700K–6500K or 3500K/4000K/5000K tri-CCT.

Upgraded structural & electrical design
120–277V full voltage, standard 0-10V continuous dimming. Optional bi-level microwave sensor and emergency backup kits.

Complete Warranty
5-year warranty for main fixtures, 3-year warranty for emergency components.

Batman B5 Series Linear LED Battens Versatile for All Applications

Wide-body LED batten ideal for renovation and space-limited projects. Suitable for commercial, industrial, retail and residential lighting.

- Easy Installation & Direct Retrofit: 5-inch body fits standard octagon boxes. 120–277V universal voltage, 5-pin terminals and standard 0-10V dimming.
- Modular Design & Low Maintenance: Serviceable components for easy upkeep. IK10 opal PC diffuser provides even side lighting. Optional DIP-adjustable sensor with Dual-PD.
- Reliable Performance & Energy Saving: High-efficiency LEDs and drivers. 3500K/4000K/5000K tri-CCT optional, low energy consumption for good ROI.
- Solid Protection & Wide Adaptability: IK10 impact-resistant diffuser. Dual normal/emergency circuit, suitable for diverse indoor spaces.
- Superior Optical Performance & Eye-Friendly Light: Uniform illumination, CRI 80. Efficacy: 120–160lm/w by different CCT.

Product Versions

B5-LN (Standard)
Basic non-dimmable model, 120–277V input, 120–160lm/w. For general indoor lighting.
B5-LD (Dimmable)
Built-in 0-10V dimming system, compatible with intelligent control and sensor systems. Perfect for smart lighting projects.
B5-MS (Microwave Sensor)
5.8G microwave sensor with DIP settings for detection area, delay and daylight threshold. Dual-PD auto on/off for energy saving.
B5-LE (Emergency)
Dual-circuit emergency version with LiFePO4 battery. 4/5/8W emergency power, 90-minute duration. Ideal for public safety lighting.

CRI ≥90 | IP44 | 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

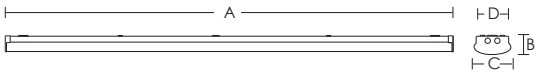
Mounting type	Surface
	Suspended
Operating Temperature range	-30 to +50°C
Light Source	SMD2835
Mains Voltage	220-240Vac or 120-277Vac / 50-60Hz
Control system input	ON/OFF | RF | DALI | 0-10V
Material	PC+Alu.6063
Main color of the luminaire	RAL9016
Lumen maintenance at median useful life	L90B10, 50,000hr
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)				
	A	B	C	D	N.W/PCS
Batman B5 2FT	600	68	127	118	1.8kg
Batman B5 4FT	1200				2.3kg
Batman B5 8FT	2400				4.5kg

Order Code

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

Version	Item No.	Full Product Datasheet	Function	Sales Aera
Std.	B5-LN2FT20-MMK	B5 600mm 20W 4000K 120-277V 140LPW CCT	Constant On	European
	B5-LN4FT40-MMK	B5 1200mm 40W 4000K 120-277V 140LPW CCT	Constant On	European
	B5-LN8FT80-MMK	B5 1500mm 80W 4000K 120-277V 140LPW CCT	Constant On	European
DIMMABLE	B5-LD2FT20-MMK	B5 600mm 27W 4000K 0-10V |120-277V 140LPW CCT	Constant On	European
	B5-LD4FT40-MMK	B5 1200mm 48W 4000K 0-10V |120-277V 140LPW CCT	Constant On	European
	B5-LD8FT80-MMK	B5 1500mm 150W 4000K 0-10V |120-277V 140LPW CCT	Constant On	European
EMG	B5-LE2FT20-MMK	B5 600mm 20W 4000K 195LPW Emergency 4W	Emergency	European
	B5-LE4FT40-MMK	B5 1200mm 40W 4000K 195LPW Emergency 4W	Emergency	European
	B5-LE8FT80-MMK	B5 1500mm 80W 4000K 195LPW Emergency 4W	Emergency	European

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