www.ledespecial.com

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

Model: **ESL-B4**

Batman B4 Series Classic LED Battens Versatile

B4 LED battens offer 4 global wide-voltage, CCT, microwave sensor & emergency models for indoor commercial lighting.



Energy-efficient & ultra-high lumen output
Peak efficacy reaches 200lm/W; standard models deliver 140–160lm/W for outstanding energy savings.

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

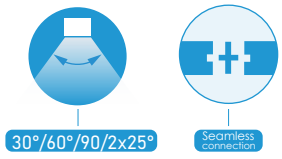
Upgraded structural & electrical design
Full 100–277V global voltage. Supports DALI2.0 & 0–10V synchronous dimming over 60 meters. Optional 5.8G microwave sensor and emergency backup.

Global Certifications & Flexible Warranty
IEC certified; 5-year warranty for main fixtures, 3-year warranty for emergency batteries, 10-year design lifespan.

High-lumen linear luminaire designed for warehouses, supermarkets, factories, high-bay spaces and commercial interiors. Perfect direct replacement for traditional T5/T8 fluorescent tubes.

- Easy Installation & Direct Retrofit: 70mm slim design for direct T5/T8 replacement. Supports ceiling, wall, and suspension mounting. Daisy-chainable up to 60m with dual cable entry and push on/off switch.
- Tool-free Maintenance & Modular Structure: Tool-free disassembly for easy servicing. CRCA housing + anti-UV PC diffuser + SMD2835 LEDs. Optional Li-ion emergency kits and interchangeable lenses.
- Excellent Heat Dissipation & Long Lifetime: Robust metal housing ensures stable performance. Operating Temperature: 0℃ ~ 45℃. 10-year structural design lifespan.
- Solid Protection & Wide Adaptability: IP20 & IK05 rated. Built-in multi-circuit protection. Compliant with IEC 60598 for industrial and commercial applications.
- Superior Optical Performance & Eye-Friendly Light: Multiple beam angles available (30°/60°/90°/2×25°). Max efficacy up to 200lm/W, flicker-free <1%, CRI 80 for natural color rendering

Optional functions



Product Versions

B4-DV (Dimmable High Lumen)
100–277V full voltage, 0–10V dimmable. Top efficacy up to 200lm/W. Ideal for smart centralized lighting systems.

B4-Lens (Adjustable Beam Angle)
Interchangeable optical lenses with diverse beam angles to boost on-site illuminance by 30%. Suited for high-bay warehouses and targeted lighting.

B4-S (5.8G Microwave Sensor)
High-mounted sensor (max 10–15m height) with adjustable hold time, daylight threshold and standby dimming. Great for energy-saving in large industrial areas.

B4-E (Emergency)
8W emergency power with 1.5-hour duration, equipped with Li-ion batteries and auto/manual self-test functions. Compliant with international emergency lighting standards.

CRI ≥90 | IP44 | ErP | CE | CB | RoHS | IES file | 0-10V

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

www.ledespecial.com

Model: **ESL-B4**

Batman B4 Series Classic LED Battens Versatile

B4 LED battens offer 4 global wide-voltage, CCT, microwave sensor & emergency models for indoor commercial lighting.

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	E	N.W/PCS
Batman B4 2FT	600	83	70	420	320	0.8kg
Batman B4 4FT	1200			1020	920	1.6kg
Batman B4 5FT	1500			2220	2120	2.8kg

Order Code

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

Version	Item No.	Full Product Datasheet	Function	Sales Aera
Max	B4-LD2FT12-40K-DV	B4 600mm 12W 4000K 0-10V Dimming 185LPW	Constant On	European
	B4-LD4FT27-40K-DV	B4 1200mm 27W 4000K 0-10V Dimming 185LPW	Constant On	European
	B4-LD8FT54-40K-DV	B4 1500mm 54W 4000K 0-10V Dimming 185LPW	Constant On	European
EXTRA	B4-LD2FTZZ-MMK-Lens	B4 600mm 27W 4000K 0-10V |30°/60°/90/2x25° |160LPW	Constant On	European
	B4-LD4FTZZ-MMK-Lens	B4 1200mm 48W 4000K 0-10V |30°/60°/90/2x25° |160LPW	Constant On	European
	B4-LD8FTZZ-MMK-Lens	B4 1500mm 150W 4000K 0-10V |30°/60°/90/2x25° |160LPW	Constant On	European
EMG	B4-LD2FTZZ-MMK-E	B4 600mm 27W 4000K 195LPW Emergency 8W | 1.5hr	Emergency	European
	B4-LD4FTZZ-MMK-E	B4 1200mm 48W 4000K 195LPW Emergency 8W | 1.5hr	Emergency	European
	B4-LD8FTZZ-MMK-E	B4 1500mm 150W 4000K 195LPW Emergency 8W | 1.5hr	Emergency	European

Fanxstar is committed to continuously improve our products. All features and specifications are subject to change without prior notice. All rights reserved.

CRI ≥90 | IP44 | ErP | CE | CB | RoHS | IES file | 0-10V