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

www.ledespecial.com

Model: **ESL-B3**

Batman B3 Series Classic LED Battens Versatile

B3 LED battens offer 4 global wide-voltage, CCT, microwave sensor & emergency models for indoor commercial lighting.



Energy-efficient & long lifetime
Max efficacy up to 140lm/W, consistent performance for long-term use.

Rich specification options
Available in 600/1200/1500/1800mm sizes, power range 18-54W, CCT 2700K–6500K adjustable.

Upgraded structural & electrical design
Robust steel housing with reinforced IP20 dust protection, IK08 impact resistance, optional microwave sensor & emergency backup.

Global Certifications & Flexible Warranty
CE & UKCA approved; 3/5-year full fixture warranty, emergency battery 4-year warranty.

Reliable, cost-effective linear luminaire for offices, retail spaces, warehouses, corridors and indoor commercial areas. Ideal direct replacement for traditional T5/T8 fluorescent tubes.

- Easy Installation & Direct Retrofit: 64mm slim body for direct T5/T8 replacement. Supports ceiling, wall, and suspension mounting. Daisy-chainable via standard terminal blocks, with dual cable entry and push on/off switch for flexible wiring.
- Modular Design & Low Maintenance: Tool-free disassembly for easy repair. Steel housing + opal PC diffuser with high-performance SMD LEDs. Optional LiFePO4 emergency kits available.
- Excellent Heat Dissipation & Long Lifetime: High-quality steel housing minimizes lumen depreciation. Operating Temperature: -20℃ ~ 40℃.
- High Protection & Wide Application: IP20 dustproof and IK08 impact resistant. Built-in multi-circuit protection. CE & UKCA certified, suitable for commercial, industrial and public areas.
- Superior Optical Performance & Eye-Friendly Light: 20° beam angle for glare-free, uniform illumination. Max efficacy up to 140lm/W, flicker-free <1%, CRI 80 for natural color rendering.

Product Versions

B3-GU (Global Universal)
100–277V full voltage, flicker-free <1%, power range 18-54W, max efficacy 140lm/W. Ideal for global commercial and indoor industrial projects.

B3-CCT (Tri-CCT)
Switchable 3-color temperature design (3000K/4000K/5700K), optimized for office, retail and public space lighting.

B3-S (5.8G Microwave Sensor)
Built-in 5.8G microwave sensor, adjustable sensitivity and hold time, energy-saving for corridors, warehouses and parking lots.

B3-EL (Emergency)
LiFePO4 battery backup, 3-hour duration, meets AS/NZS 2293 standards, ideal for safety lighting in public areas.

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.

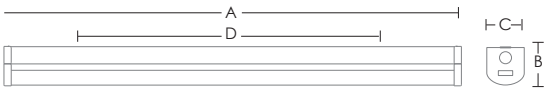
Specifications

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 B3 2FT	600	66	64	410	0.8kg
Batman B34FT	1200			880	1.6Kg
Batman B3 5FT	1500			1180	1.9kg
Batman B3 6FT	1800			1403	2.3kg

Order Code

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

Version	Item No.	Full Product Datasheet	Function	Sales Aera
EXTRA	B3-4FT30-MMK-X	B3 600mm 30W 4000K 140LPW	Constant On	European
	B3-5FT40-MMK-X	B3 1200mm 40W 4000K 140LPW	Constant On	European
	B3-6FT50-MMK-X	B3 1500mm 50W 4000K 140LPW	Constant On	European
3CCT	B3-4FT30-MMK-CCT	B3 600mm 30W 4000K 140LPW 3CCT: 3000K-4000K-5700K	Constant On	European
	B3-5FT40-MMK-CCT	B3 1200mm 40W 4000K 140LPW 3CCT: 3000K-4000K-5700K	Constant On	European
	B3-6FT504-MMK-CCT	B3 1500mm 50W 4000K 140LPW 3CCT: 3000K-4000K-5700K	Constant On	European
EMG	B3-4FT30-MMK-E	B3 600mm 30W 4000K 140LPW Emergency 2W3HRS	Emergency	European
	B3-5FT40-MMK-E	B3 1200mm 40W 4000K 140LPW Emergency 2/3/4W | 3hr	Emergency	European
	B3-6FT504-MMK-E	B3 1500mm 50W 4000K 140LPW Emergency 2/3/4W | 3hr	Emergency	European

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