www.ledespecial.com

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

Model: **ESL-B2**

Batman B2 Series Classic LED Battens Versatile

Batman B2 LED battens have 6 multi-function models for global indoor lighting.



Energy-efficient & high luminous efficiency
Max efficacy up to 150lm/W, multiple power options available to match different brightness requirements

Rich specification & size options
Available in 600/1200/1500/2400mm four mainstream sizes; universal CCT range 2700K–6500K, customizable multi-CCT solutions

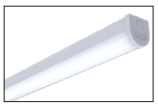
Diversified control & extended functions
Supports DALI2.0, 0-10V/PWM dimming, 5.8G microwave sensor, self-test emergency system and dual PD daylight sensing, compatible with centralized intelligent control

Global voltage compatibility
100–277V full voltage design, adaptable to power grids worldwide for global market deployment

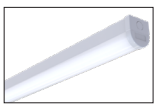
Reliable, high-efficiency linear luminaire for offices, retail spaces, warehouses, corridors and indoor commercial areas. Ideal direct replacement for traditional T5/T8 fluorescent tubes.

- Easy Installation & Flexible Wiring: 64mm slim design directly replaces T5/T8 fluorescent tubes. Supports ceiling, wall and suspension mounting. Daisy-chainable up to 50-60m with dual cable entry and push on/off switch.
- Tool-free Maintenance & Modular Structure: Tool-free assembly for easy repair. Aluminium 6063 housing + high-transmission PC diffuser with SMD2835 LEDs. Optional LiFePO4 emergency kits for reliable backup.
- Outstanding Optical Experience & Low Flicker: 120° beam angle for even lighting. Flicker < 1%, max efficacy 150lm/W, CRI 80 for natural colour rendering.
- Solid Protection & Wide Adaptability: P20 & IK08 (Emergency version: IP66 & IK10). Built-in overvoltage, undervoltage, overcurrent and short circuit protection. Working temperature: -30℃ ~ 50℃.
- Complete Certifications & Long Service Life: CE, UKCA, RCM, CB & AS/NZS 2293 certified. 5-year product warranty, 4-year battery warranty, 7-year structural lifespan.

Product Versions



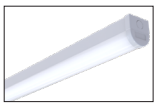
B2-GU (Global Universal)
100–264V/100–277V full voltage, ultra-low flicker <1%. Four sizes from 2ft to 8ft, power range 12-80W, 140lm/W high efficacy. Perfect for global commercial and indoor industrial projects.



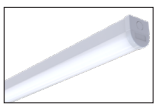
B2-CCT (Tri-CCT)
Switchable 3-color temperature design. Two CCT schemes: 3000K/4000K/5700K for Europe & Australia, 3000K/4000K/5000K for North America. Different CCT owns optimized luminous efficiency, widely used in retail, office and public spaces.



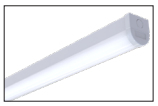
B2-EL (Emergency)
IP66 & IK10 high protection emergency batten with LiFePO4 battery. 2/3/4/5W emergency power options, 1.5/3 hours duration. Supports manual test & automatic self-test, with complete LED status indication system. Meets strict AS/NZS 2293 standards for public safety lighting.



B2-AP (All-Powerful)
Tri-power & 3-CCT adjustable via DIP switch, 3500K/4000K/5000K color temperature. Supports 0-10V steady dimming even in long series connection (max 60m). Full voltage input, ideal for multi-scene customized lighting projects.



B2-S (5.8G Microwave Sensor)
Built-in dual PD dimmable 5.8G microwave sensor (MS009R/MS021R-Pro), compatible with 0-10V/PWM dimming. Adjustable sensitivity, hold time and daylight threshold. Great for energy-saving lighting in corridors, warehouses and parking lots.



B2-EMS (Sensor&Emergency 2-in-1)
Combines 5.8G microwave sensor and emergency function in one fixture. 16-hour charging cycle, 1.5/3 hours emergency duration. Compact structure with IP20 & IK08 rating, an all-in-one solution for safety and energy-saving indoor 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

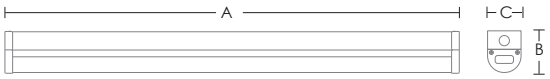
Mounting type	Surface
	Suspended
Operating Temperature range	-30 to +50°C
Light Source	SMD2835
Mains Voltage	220-240Vac or 120-277Vac / 50-60Hz
Control system input	ON/OFF | RF | DALI | 0-10V
Material	PC+Alu.6063
Main color of the luminaire	RAL9016
Lumen maintenance at median useful life	L90B10, 50,000hr
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	N.W/PCS
Batman B2 2FT	600	80	64	0.8kg
Batman B2 4FT	1200			1.6kg
Batman B2 5FT	1500			1.9kg
Batman B2 8FT	2400			2.8kg

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Order Code

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

Version	Item No.	Full Product Datasheet	Function	Sales Aera
EXTRA	B2-2FTZZ-MMK-X	B2 600mm 20W 4000K 140LPW 100-264V	Constant On	European
	B2-4FTZZ-MMK-X	B2 1200mm 40W 4000K 140LPW 100-264V	Constant On	European
	B2-5FTZZ-MMK-X	B2 1500mm 60W 4000K 140LPW 100-264V	Constant On	European
	B2-8FTZZ-MMK-X	B2 2400mm 80W 4000K 140LPW 100-264V	Constant On	European
CCT	B2-2FTZZ-MMK-X	B2 600mm 15W 4000K 140LPW 3CCT: 3000K-4000K-5700K	Constant On	European
	B2-4FTZZ-MMK-X	B2 1200mm 30W 4000K 140LPW 3CCT: 3000K-4000K-5700K	Constant On	European
	B2-5FTZZ-MMK-X	B2 1500mm 40W 4000K 140LPW 3CCT: 3000K-4000K-5700K	Constant On	European
EXTRA	B2-LD2FTZZ-MMK-AP	B2 600mm 4000K 142LPW | Tri-Power: 12W-16W-20W | 3CCT: 3500K-4000K-5000K	Constant On	European
	B2-LD4FTZZ-MMK-AP	B2 1200mm 4000K 142LPW | ri-Power: 12W-16W-20W | 3CCT: 3500K-4000K-5000K	Constant On	European
	B2-LD8FTZZ-MMK-AP	B2 1500mm 4000K 142LPW | Tri-Power: 12W-16W-20W | 3CCT: 3500K-4000K-5000K	Constant On	European
SENSOR	B2-2FTZZ-MMK-S	B2 600mm 20W 4000K 140LPW 5.8G Microwave Sensor	Motion Sensor	European
	B2-4FTZZ-MMK-S	B2 1200mm 40W 4000K 140LPW 5.8G Microwave Sensor	Motion Sensor	European
	B2-5FTZZ-MMK-S	B2 1500mm 60W 4000K 140LPW 5.8G Microwave Sensor	Motion Sensor	European
EMG	B2-2FTZZ-MMK-EL	B2 600mm 20W 4000K 140LPW Emergency 2/3/4W | 3hr	Emergency	European
	B2-4FTZZ-MMK-EL	B2 1200mm 40W 4000K 140LPW Emergency 2/3/4W | 3hr	Emergency	European
	B2-5FTZZ-MMK-EL	B2 1500mm 60W 4000K 140LPW Emergency 2/3/4W | 3hr	Emergency	European
ES	B2-2FTZZ-MMK-EMS	B2 600mm 20W 4000K 140LPW Emergency 2/4W | 3hr	Sensor&Emergency	European
	B2-4FTZZ-MMK-EMS	B2 1200mm 40W 4000K 140LPW Emergency 2/4W | 3hr	Sensor&Emergency	European

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