www.ledespecial.com

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

Model: **ESL-B1**

Batman B1 Series Modular LED Battens Versatile

B1 LED linear lights have 4 sensor, CCT, DALI & wide-voltage models.

7 YEARS WARRANTY 3% FAILURE RATE

10 YEARS WARRANTY 5% FAILURE RATE



Energy-efficient & long lifetime

Max efficacy up to 140lm/W, L75 lifespan 45,000hrs

Rich specification options

Available 600/1200/1500mm, max output up to over 11200lm, CCT 2700K~6500K adjustable

Upgraded structural & electrical design

Aerospace-grade aluminium housing, standard IP40 dust protection, IK08 impact resistance, optional microwave sensor & emergency backup

Global Certifications & Flexible Warranty

CE approved; standard 5-year full fixture warranty, emergency battery 4-year warranty

EMG

5.8G SENS

EMG + SENS

Rugged, efficient luminaire for warehouses, cold storage, car parks & industrial lighting. Direct fluorescent replacement.

- Easy Installation & Direct Retrofit
- 118mm width for 1:1 replacement of T5/T8 twin fluorescent tubes. No re-drilling or repainting required. Ceiling, wall and suspension mounting available, with terminal blocks for daisy-chain wiring.
- Modular Design & Low Maintenance
- Detachable LED strips, drivers, sensors and emergency parts. Tool-free assembly for easy repair. SKD shipment supported for overseas assembly.
- Excellent Heat Dissipation & Long Lifespan
- 6063 aluminum heat sink reduces lumen depreciation. L80 lifespan up to 74000 hours. Operating temperature: -30℃ ~ 50℃. 5-year warranty.
- High Protection & Wide Application
- IP40 dust & insect proof, IK08 impact resistance. Built-in multi-circuit protection. Certified with CE/UKCA/RCM, suitable for commercial, industrial and public areas.
- Superior Optical Performance & Eye-friendly Light
- 120° wide beam angle with even, glare-free illumination. Max efficacy up to 140lm/W. B1-GU model: flicker level <1%.

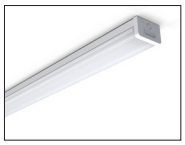
Product Versions



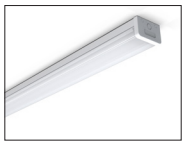
B1S (5.8G Microwave Sensor)
5.8GHz microwave sensor, max 8m ceiling mounting, 0-10V/PWM dimmable, energy-saving for parking lot & warehouse.



B1-DA (DALI2.0)
0.01-100% full range DALI2.0 dimming, multiple addressing modes, perfect for high-end smart lighting projects.



B1-CCT (3CCT)
3000K/4000K/5700K tunable color temperature, up to 140lm/W high efficacy, ideal for Australia & New Zealand market.



B1-GU (Global Universal)
100-277V full voltage, flicker-free <1%, EL compliant, universal for global markets.

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

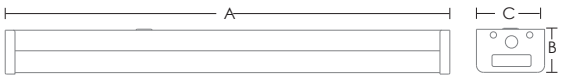
Mounting type	Surface
	Suspended
Operating Temperature range	-30 to +50°C
Light Source	SMD2835
Mains Voltage	220-240Vac or 120-277Vac / 50-60Hz
Control system input	ON/OFF | RF | DALI | 0-10V
Material	PC+Alu.6063
Main color of the luminaire	RAL9016
Lumen maintenance at median useful life	L90B10, 50,000hr
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 B1 2FT	600	72	118	1.5kg
Batman B1 4FT	1200			2.4kg
Batman B1 6FT	1500			2.9kg

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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
NULL	B1-2FTZZ-MMK-N	B1 600mm 20W 4000K 140LPW	Constant On	European
	B1-4FTZZ-MMK-N	B1 1200mm 40W 4000K 140LPW	Constant On	European
	B1-5FTZZ-MMK-N	B1 1500mm 60W 4000K 140LPW	Constant On	European
GU	B1-2FTZZ-MMK-N	B1 600mm 20W 4000K 140LPW 100-264V	Constant On	European
	B1-4FTZZ-MMK-N	B1 1200mm 40W 4000K 140LPW 100-264V	Constant On	European
	B1-5FTZZ-MMK-N	B1 1500mm 60W 4000K 140LPW 100-264V	Constant On	European
SENSOR	B1-2FTZZ-MMK-S	B1 600mm 23W 4000K 140LPW 5.8G Microwave Sensor	Motion Sensor	European
	B1-4FTZZ-MMK-S	B1 1200mm 44W 4000K 140LPW 5.8G Microwave Sensor	Motion Sensor	European
	B1-5FTZZ-MMK-S	B1 1500mm 65W 4000K 140LPW 5.8G Microwave Sensor	Motion Sensor	European
CCT	B1-2FTZZ-MMK-CCT	B1 600mm 20W 4000K 140LPW 3CCT: 3000K-4000K-5700K	Constant On	European
	B1-4FTZZ-MMK-CCT	B1 1200mm 40W 4000K 140LPW 3CCT: 3000K-4000K-5700K	Constant On	European
	B1-5FTZZ-MMK-CCT	B1 1500mm 60W 4000K 140LPW 3CCT: 3000K-4000K-5700K	Constant On	European
DALI	B1-2FTZZ-MMK-DA	B1 600mm 20W 4000K 140LPW DALI2.0, 0.01-100% Dimming	DALI2.0	European
	B1-4FTZZ-MMK-DA	B1 1200mm 40W 4000K 140LPW DALI2.0, 0.01-100% Dimming	Constant On	European
	B1-5FTZZ-MMK-DA	B1 1500mm 60W 4000K 140LPW DALI2.0, 0.01-100% Dimming	Constant On	European

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