



Intelligent LED Batten Lighting with Backup

Available in 600mm & 1200mm models, with backup battery for emergency lighting

The ENSA™ LED batten light series comprises customisable energy efficient lighting solutions that deliver control over your lighting, without the need for a complex management system. Models are available as standard sensor batten lights or as an emergency sensor batten light fitted with an emergency backup battery for over 2 hours light uptime.

Similar to the non-emergency range, the intelligent emergency battens feature three smart ways to customise your lighting. Non-emergency models (S2 series) feature an integrated daylight & microwave motion sensor, whereas emergency models (SE series) include a microwave motion sensor with 2-stage dimming.

- Tailor your light use to further compound energy savings.
- Adjustable light-use controls such as on-time delay.
- Sensor can detect motion through glass and thin walls.
- Built tough housing: IP65 dust and weather resistant.
- Emergency lighting models are AS2293.3 approved.
- Easy access TEST button for emergency light testing.

Series Specifications

Model	LEDBT18WS2		LEDBT36WS2		LEDBT18WSE		LEDBT36WSE	
Product Image								
Series Name	S2 Series: Standard LED Batten				SE Series: Battery Backup LED Batten			
Optical								
Light Output	1600lm		3000lm		1600lm		3000lm	
Luminous Efficacy	88lm/W		83lm/W		88lm/W		83lm/W	
Colour Temperature	6000K							
Colour Rendering Index	> 80							
Beam Angle	120°							
Light Decay	< 15% at 10,000 hours							
Rated Lifespan	35,000 hours							
Electrical								
Power Consumption	18W		36W		18W		36W	
Input Voltage	220 ~ 240VAC (50 ~ 60Hz)							
Power Factor	>0.9							
Battery Backup	N/A		N/A		12V 1500mAh NiMH >120min use		12V 2500mAh NiCad >120min use	
Emergency Power Output	N/A		N/A		6W (default)		10W (default)	
Control								
Ambient Light Threshold	2000lx / 50lx / 15lx / 5lx (adjustable)				N/A			
Motion Detection	360° 5.8GHz Microwave Sensor with 8m max. radius (adjustable)							
On-Time Delay	5s / 30s / 90s / 180s (adjustable)							
Dimmed Brightness	N/A		N/A		20% / 40% / 60% / 75% (adjustable)			
Dimming Timeout	N/A		N/A		0s / 90s / 180s / ∞s			
Dimming Description	Turn off		Turn off		Turn off / Time delay / Always on			
General								
Ingress Protection	IP65							
Plug / Socket / Base	Internal terminal block							
Installation Materials	Mounting clips, wall screws & plugs,							
Reflector / Diffuser	Frosted diffuser							
Operating Environment	-25° ~ 40°C							
Dimensions	655 x 108 x 85mm		1260 x 108 x 85mm		655 x 108 x 85mm		1260 x 108 x 85mm	
Equivalent Wattage	40W fluorescent		80W fluorescent		40W fluorescent		80W fluorescent	
Photometry								
Illuminance at a Distance	18W models				36W models			
	Centre Beam Avg (lx)		Beam Diameter (m)		Centre Beam Avg (lx)		Beam Diameter (m)	
1m	566		3.06		1083		3.06	
2m	141		6.12		271		6.12	
3m	63		9.19		120		9.19	
4m	35		12.25		68		12.25	
5m	23		15.31		43		15.31	
Luminous Light Distribution	18W models				36W models			
	Units: cd				Units: cd			
0 ~ 180°				0 ~ 180°				
90 ~ 270°				90 ~ 270°				
120				225				
240				450				
360				675				
480				900				
600				1125				

Ordering Information

Type	Wattage	Features
LEDBT	18W (18W) 36W (36W)	S2 (Non-emergency sensor batten) SE (Emergency sensor batten)
LEDBT36WSE: 36W LED Sensor Batten with Backup Battery		