

LiFePO₄WER Luminaires

LightSaver Batten

An energy-efficient, lighting solution that is reliable, environmentally sustainable and robust to suit a diverse range of end user applications and environments.



Light  Saver

Features and Benefits

- LiFePO₄WER technology
- 10 year design life Lithium Iron Phosphate Battery
- High performance Osram LED light source for reliability and efficiency
- Optional Microwave Dimming Motion Sensor and daylight sensors
- Compatible with WiNetRF Central Monitoring and Sentinel Self-testing
- Innovative energy efficient LED-driver technology for low standby power consumption and high illumination
- Unique tube-like design with shatter-proof polycarbonate light diffuser
- Fully tested and approved in accordance to AS/NZS 2293



		LB12LS	LB22LS	LB14LS	LB24LS
Input	Voltage / Frequency	230V / 50Hz			
Output	LED Array	1x600mm	2x600mm	1x1200mm	2x1200mm
	Light Source	5700K Osram LEDs			
	Lumen Output (Emergency mode)	820lm	1171lm	1337lm	2452lm
	Function	Maintained / non-maintained / switched			
	Power Consumption (LEDs)	9.6W	19.2W	19.2W	38.4W
	Power Consumption (Standby)	3W	6W	6W	12W
Battery	Type	LiFePO ₄			
	Charger	Variable current CV			
	Protection	Short circuit, overcharge and low voltage disconnect, thermal cut-off			
	Emergency Runtime	2 hours*			
Physical	IP Classification	IP20			
	Weight	3.5kg	3.75kg	3.75kg	4.0kg
	Dimensions (LxWxH)	620x125x65mm	620x125x65mm	1225x125x65mm	1225x125x65mm
	Construction	Full anodised aluminum, powder-coated white			
Environment	Temperature	0°C - 40°C			
	Relative Humidity	0 - 95%			
Installation	Mounting	Surface. Wall and Ceiling.			
Conformance	C0	D125	D200	D200	D400
	C90	D63	D80	D100	D200
	Standards	AS/NZS 2293, AS/NZS 60598.2.22, EMC			
Intelligence	Sentinel	Compatible			
	WiNetRF	Compatible			
	Motion Sensor	Compatible. Microwave Dimming.			
Warranty	Duration	Fitting: 4 Years / Battery: 1 Year			

*Guaranteed to meet runtime requirements of AS/NZ 2293 throughout warranty duration.

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LightSaver Weatherproof Batten

An energy-efficient, lighting solution that is reliable and robust to suit a diverse range of end user applications and environments. For sub-zero applications a remote box version is available upon request.



		LB12LSWP	LB22LSWP	LB14LSWP	LB24LSWP
Input	Voltage / Frequency	230V / 50Hz			
Output	LED Array	1x600mm	2x600mm	1x1200mm	2x1200mm
	Light Source	5700K Osram LEDs			
	Lumen Output (Emergency mode)	559lm	997lm	1173lm	2242lm
	Function	Maintained / non-maintained / switched			
	Power Consumption (LED)	9.6W	19.2W	19.2W	38.4W
	Power Consumption (Standby)	3W	6W	6W	12W
Battery	Type	LiFePO ₄			
	Charger	Variable current CV			
	Protection	Short circuit, overcharge and low voltage disconnect, thermal cut-off			
	Emergency Runtime	2 hours*			
Physical	IP Classification	IP66			
	Weight	5.0kg	5.25kg	5.25kg	5.5kg
	Dimensions (LxWxH)	667x170x110mm	667x170x110mm	1270x160x100mm	1270x160x100mm
	Construction	Body: fiberglass reinforced polyester. Diffuser: polycarbonate			
Environment	Temperature	0°C - 40°C			
	Relative Humidity	0 - 95%			
Installation	Mounting	Surface. Wall and Ceiling.			
Conformance	C0	D100	D160	D200	D400
	C90	D25	D40	D50	D100
	Standards	AS/NZS 2293 / EMC			
Intelligence	Sentinel	Yes			
	WiNetRF	Yes			
	Motion Sensor	Compatible. Microwave Dimming.			
Warranty	Duration	Fitting: 4 Years / Battery: 1 Year			

*Guaranteed to meet runtime requirements of AS/NZ 2293 throughout warranty duration.

ACCESSORIES	DESCRIPTION
D20	600mm prismatic diffuser
D40	1200mm prismatic diffuser
901875	600mm wire guard
901876	1200mm wire guard
LIP/4S1P/1500	Replacement battery to suit LB12LS, LB12LSWP
LIP/4S1P/3000/S	Replacement battery to suit LB14LS, LB14LSWP
LIP/4S1P/3000	Replacement battery to suit LB22LS, LB22LSWP
LIP/4S2P/3000	Replacement battery to suit LB24LS, LB24LSWP

* For factory fitted Sentinel Self Test Module, include "/S4F" suffix into part number.

** For factory fitted Microwave Dimming Motion Sensor include "/MWS" suffix into part number.

*** Standby power consumption based on LED Batten fitted with microwave dimming motion sensor set to full standby mode with batteries fully charged.

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LightSaver Battens



Light  Saver

SPACING TABLE		MOUNTING HEIGHT (m)						
NATA Classification	2.1	2.4	2.7	3	3.6	4	5	
LB12LS (Bare)								
C0 – D125 (m)	24.5	25.6	26.6	27.5	29.1	30.1	32.2	
C90 – D63 (m)	19.4	20.3	21.1	21.8	23.0	23.7	25.2	
LB12LS + D20 (Diffused)								
C0 – D100 (m)	22.7	23.7	24.6	25.5	27.0	27.9	29.8	
C90 – D25 (m)	14.2	14.7	15.3	15.7	16.5	16.9	17.7	
LB22LS (Bare)								
C0 – D200 (m)	28.6	29.9	31.1	32.2	34.2	35.3	37.9	
C90 – D80 (m)	21.1	22.0	22.8	23.6	25.0	25.8	27.5	
LB22LS + D20 (Diffused)								
C0 – D160 (m)	26.6	27.8	28.9	29.9	31.7	32.8	35.1	
C90 – D32 (m)	15.4	16.1	16.7	17.2	18.0	18.5	19.5	
LB12LSWP								
C0 – D100 (m)	22.7	23.7	24.6	25.5	27.0	27.9	29.8	
C90 – D25 (m)	14.2	14.7	15.3	15.7	16.5	16.9	17.7	
LB22LSWP								
C0 – D160 (m)	26.6	27.8	28.9	29.9	31.7	32.8	35.1	
C90 – D40 (m)	16.7	17.4	18.0	18.6	19.6	20.1	21.3	

LB14LS (Bare)							
C0 – D200 (m)	28.6	29.9	31.1	32.2	34.2	35.3	37.9
C90 – D100 (m)	22.7	23.7	24.6	25.5	27.0	27.9	29.8
LB14LS + D40 (Diffused)							
C0 – D160 (m)	26.6	27.8	28.9	29.9	31.7	32.8	35.1
C90 – D40 (m)	16.7	17.4	18.0	18.6	19.6	20.1	21.3
LB24LS (Bare)							
C0 – D400 (m)	36.0	37.6	39.2	40.6	43.1	44.6	48.0
C90 – D200 (m)	28.6	29.9	31.1	32.2	34.2	35.3	37.9
LB24LS + D40 (Diffused)							
C0 – D320 (m)	33.4	35.0	36.4	37.7	40.0	41.4	44.5
C90 – D80 (m)	21.1	22.0	22.8	23.6	25.0	25.8	27.5
LB14LSWP							
C0 – D200 (m)	28.6	29.9	31.1	32.2	34.2	35.3	37.9
C90 – D50 (m)	18.0	18.7	19.4	20.1	21.2	21.8	23.2
LB24LSWP							
C0 – D400 (m)	36.0	37.6	39.2	40.6	43.1	44.6	48.0
C90 – D100 (m)	22.7	23.7	24.6	25.5	27.0	27.9	29.8

