

Simplitz[®] Cleanroom Batten Datasheet



Simplitz[®] Cleanroom Batten is a high efficiency, reliable LED batten, dedicated designed for cleanroom illuminations. Its streamlined profile can reduce air turbulence and avoid dust accumulation.

Benefits

Dedicated designed for cleanroom

- Slim size, streamlined profile
- Reduce air turbulence and dust accumulation
- Amber version for photolithography area

High efficiency and reliable

- System efficiency up to 130 lm/W
- 50,000 hours lumen maintenance

Visual comfort

- No LED hot spot

Applications

- Cleanroom
- Workshop
- General indoor illumination

Simplitz® Cleanroom Batten

Technical Data

Optical Specifications

	White	White	Amber
	18W	36W	36W
Luminous Flux	2340 lm	4680 lm	3600 lm
Efficacy	130 lm/W	130 lm/W	100 lm/W
CCT	4000K, 5700K (White)		
CRI	>80 (White)		
SDCM	4 (White)		
Beam Angle	Wide		

Electrical and Mechanical Specifications

Input Voltage	220-240V AC 50/60Hz		
Power Consumption	18W	36W	36W
Power Factor	0.9		
Surge Protection	DM 2KV		
Ripple Current	±5%		
Dimensions (L x W x H)	1200mm x 47mm x 89mm		
Weight	0.8kg		
Cover Lens	PC		
Housing	PC		

System Specifications

Power	AC line
Control	ON/OFF only
Mounting	Surface mounting
Operating Temperature	-20°C to +40°C
Storage Temperature	-35°C to +80°C
Environment	Indoor (IP40, IK03)
Lumen Maintenance	L70@25°C - 50,000hrs, 40,000hrs (for Amber)
Safety Approval	Electrical Protection Class II, CB, CCC

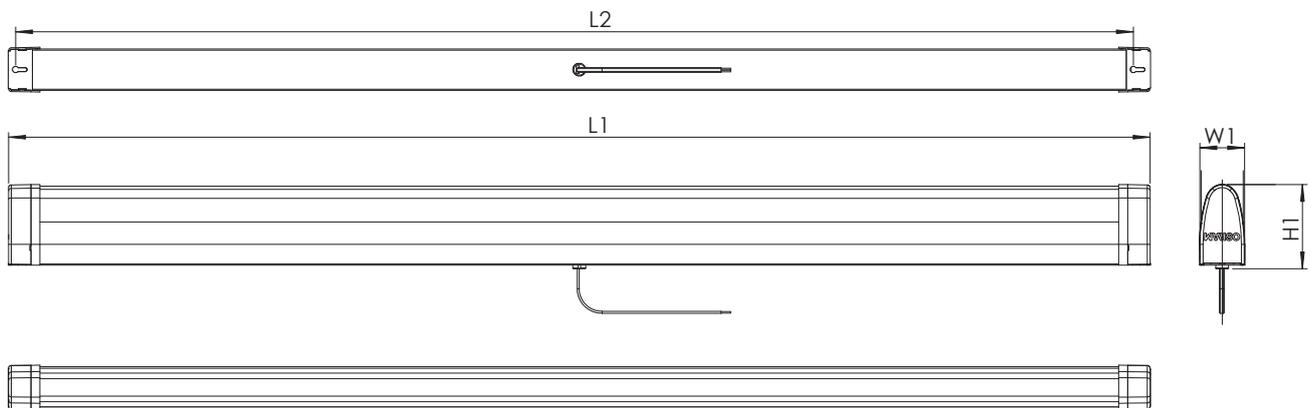
Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

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Dimensions



Dimensions

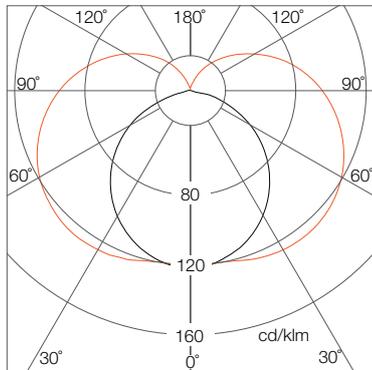
	18W	36W	36W (Amber)
L1	1200mm	1200mm	1200mm
L2	1174mm	1174mm	1174mm
W1	47mm	47mm	47mm
H1	89mm	89mm	89mm

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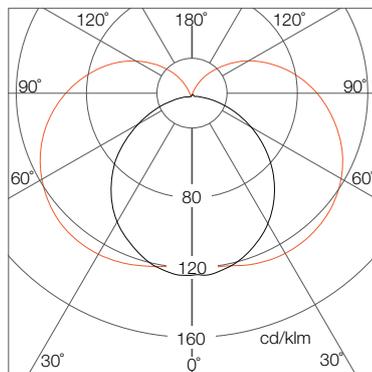
Photometrics

Light Distribution Curve

18W



36W



Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values.

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Ordering Codes

Fixture

Short Text	Power	CCT	Material	EAN10	EAN40
SIM CR BTN 18W 840 L1200 WT VS16 OSRAM	18W	4000K	AM317340055	4062172081818	4062172081825
SIM CR BTN 18W 857 L1200 WT VS16 OSRAM	18W	5700K	AM317350055	4062172081832	4062172081849
SIM CR BTN 36W 840 L1200 WT VS16 OSRAM	36W	4000K	AM317360055	4062172081856	4062172081863
SIM CR BTN 36W 857 L1200 WT VS16 OSRAM	36W	5700K	AM317370055	4062172081870	4062172081887
SIM CR BTN 36W Amber L1200 WT VS16 OSRAM	36W	Amber	AM317380055	4062172081894	4062172081900