

## TRIAC DIMMABLE POWER SUPPLY | IP20 | 100W



CODE

BL-PS-100TD-24

24V  
DC

OUTPUT WATTS	OUTPUT AMPS	AC INRUSH CURRENT
100W	4.17A	52A, 50%, 210us@230VAC
INPUT VOLTS	200–240V AC	
REQUIRED LOAD	10% minimum	
OPERATING TEMP.	-40°C ~ +60°C	
POWER FACTOR	≥0.96	
WARRANTY	3 years	
COMPLIANCE		
DIMENSIONS	W30 × H22 × L330mm	
HOUSING	Plastic	
INGRESS PROTECTION	IP20	
ELECTRICAL PROTECTION	Overload, short circuit and overheat	
CONNECTION METHOD	Concealed screw terminals	
CONTROL	TRIAC dimmable	

### APPLICATIONS

This power supply is exclusively designed for Light Emitting Diode (LED) lamps. It is a switch mode power supply with constant voltage output.

Compatible with leading edge and trailing edge TRIAC dimmers.

An electronic protection circuit switches off the power supply in case of short circuit or overload in the secondary circuit, overheat as well as open circuit. After the removing of the faults, the LED power supply resets automatically for operation.

### IMPORTANT INFORMATION

- With all installations, Bright Light recommends ensuring a 10% buffer (requiring 10% less than the output watts).
- This power supply can only be used with LED luminaires.
- Must be installed by qualified electrician.

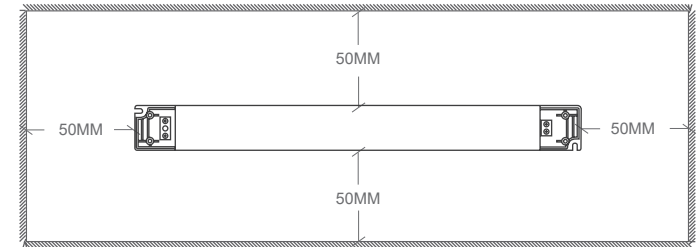
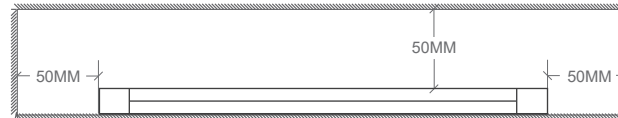
**Ambient temperature (ta)**  
Max. 40°C

**Case temperature (tc)**  
Max. 85°C

**Suggested wire diameter**  
Input 0.75–2.5mm<sup>2</sup>  
Output 0.5–2.5mm<sup>2</sup>

### INSTALLATION SPACING

Maintain 50mm space around sides of power supply



### DIMENSIONS



### WIRING DIAGRAM

