

# Indoor LED Lamp: Bulb BL

- High efficiency LED Lamp
- 12V/24V DC LED driver
- Over temperature protection dimming
- L70-LED life time >60,000 h
- Reverse polarity protection



Heatsink similar to the picture

BL series lamps are high lumen output, long life, reliable lamps for indoor lighting applications. Due to their advanced and unique over temperature protection, BL series lamps can withstand extreme conditions. Using high frequency switching LED driver technology with no electrolytic capacitors, Zimpertec lamps provide excellent performance in light efficiency, lifetime and reliability.

Technical Data Bulb Lamps 12V									
Type	BL-12/03			BL-12/05			BL-12/08		
Light Color	CW	NW	WW	CW	NW	WW	CW	NW	WW
Color Temperature +/- 10%	6000K	4900K	3000K	6000K	4900K	3000K	6000K	4900K	3000K
Power (+/- 0.5W)	3W			5W			8W		
Current @ 12V	0.25A			0.42A			0.67A		
Lumen output	330lm	330lm	270lm	500lm	500lm	450lm	800lm	800lm	720lm
Lumen Efficiency	110lm/W	110lm/W	90lm/W	100lm/W	100lm/W	90lm/W	100lm/W	100lm/W	90lm/W
Voltage	11...20V DC								
Diameter/Height	50mm/95mm			60mm/110mm			65mm/130mm		
CRI	80%								
Working Temperature	-20...+50°C								
LED lifetime	L70: >60,000h								
IP-Rating	IP50								
Humidity	<95% non-condensing								
Socket	E27								
Switching cycle	Infinite								
All performance values valid at 12VDC and 25°C ambient temperature									

Technical Data Bulb Lamps 24V						
Type	BL-24/05			BL-24/08		
Light Color	CW	NW	WW	CW	NW	WW
Color Temperature +/-10%	6000K	4900K	3000K	6000K	4900K	3000K
<b>Power (+/- 0.5W)</b>	<b>5W</b>			<b>8W</b>		
Current @ 12V	0.42A			0.67A		
Lumen output	500lm	500lm	450lm	800lm	800lm	720lm
Lumen Efficiency	100lm/W	100lm/W	90lm/W	100lm/W	100lm/W	90lm/W
Voltage	11...30V DC			22...30V DC		
Diameter/Height	60mm/110mm			65mm/130mm		
CRI	80%					
Working Temperature	-20...+50°C					
LED lifetime	L70: >60,000h					
IP-Rating	IP50					
Humidity	<95% non-condensing					
Socket	E27					
Switching cycle	Infinite					
All performance values valid at 24VDC and 25°C ambient temperature						

CW: cool white (standard product)  
 NW: neutral white (on request only)  
 WW: warm with (on request only)