

# BSD-V24-100S

## Data Sheet

2018.06 V1.1

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## Features

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BSD-V24-100S is a 100W constant voltage dimmable driver with wide input voltage, suit for 0/1-10V&Rx&PWM control mode

- Accuracy of output voltage less than 3%
- Linear driver, size: 373×39×27mm
- wide input voltage , 100-277VAC
- up to 90% power supply efficiency
- Built-in PFC function, power factor > 0.95
- Short circuit/ open load/ Over load/ over current protection
- No flicker, ripple wave & noise less than 0.3%@230V full load
- Total harmonic distortion less than 10%
- Warranty for 5 years
- IP20 for indoor LED luminaire
- CE/CB/SAA certification



Technical Data

**INPUT**

AC-L  
AC-N  
GND

Input Voltage:100-277VAC  
Input Frequency:50/60Hz  
Input Current:1.15A Max  
Power Factor:>0.9  
ta:60°C TC:90°C

www.colorsled.com

**Dimmable Constant Voltage LED Driver**

●TC

**Model:BSD-V24-100S**

CB CE SAA APPROVALS

**Output Power:100W**  
**Output :+24V 4.2A**

Control Mode:0-10V & Resistance & PWM  
Dimming Range:1%-100%  
**Short-Circuit / Over load protection**  
**Non Flicker and Auto Recovery Mode**

**OUTPUT**

DIM+  
DIM-  
LED+  
LED-

SELV-equivalent  
Made in China

Input

Input voltage	100~277VAC
Input current	1.15A Max
Input frequency	50/60Hz
Power factor	>0.95 ( Full load )
Driver efficiency	90% ( Full load )
Total harmonic distortion	THD<10% ( Full load )
Turn on delay time	<0.5s@230V
Surge current	40A

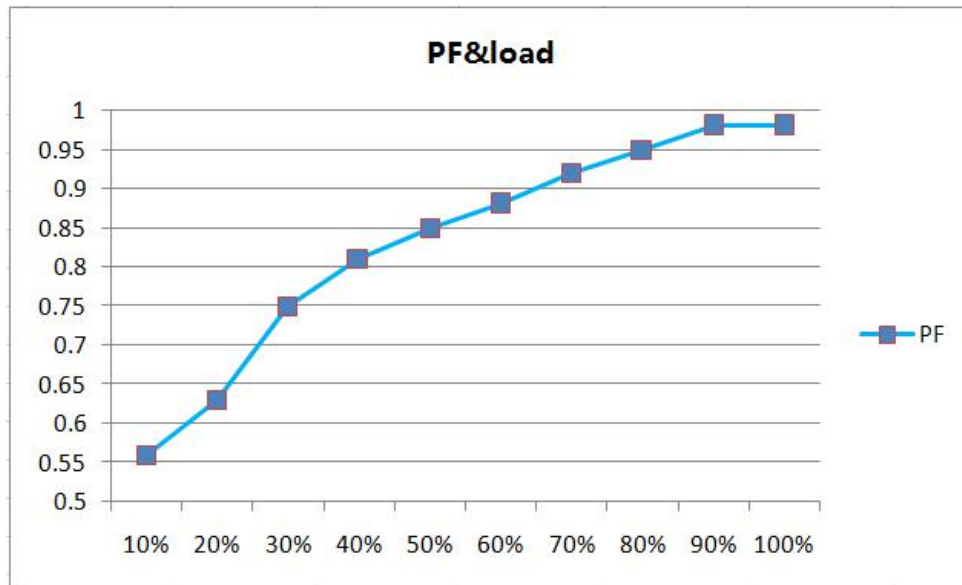
Output

Output voltage	24VDC
Output current	4.2A Max
Power rating	100W Max
Ripple wave & noise	<0.3% ( Full load@230V )
Voltage accuracy	±3%

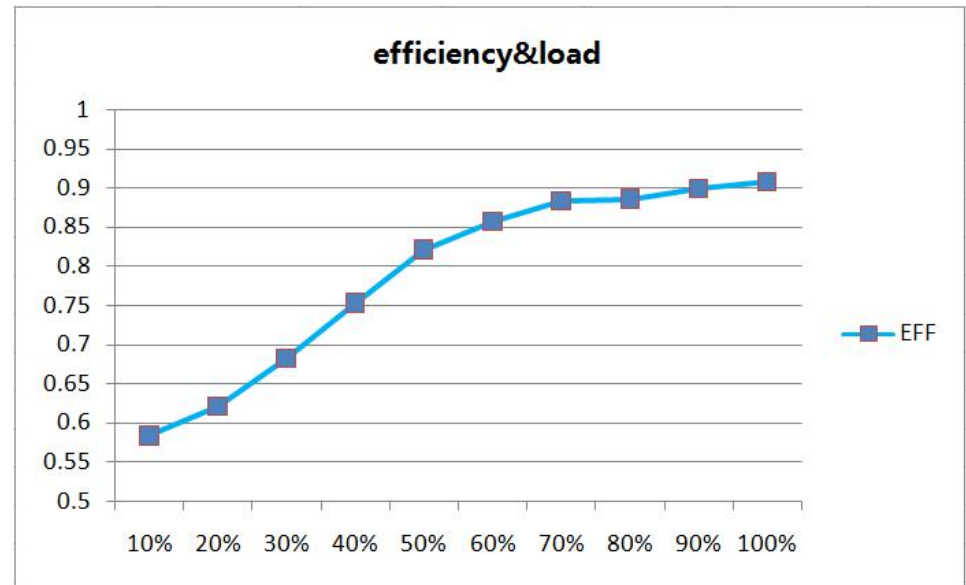
Environment

Ta	-20°C~+60°C
Environment humidity	10%~90%
Storage temperature	-30°C~+70°C
Storage humidity	10%~90%
Application	For indoor use
IP degree	IP20
Size	373*39*27mm

Test Data

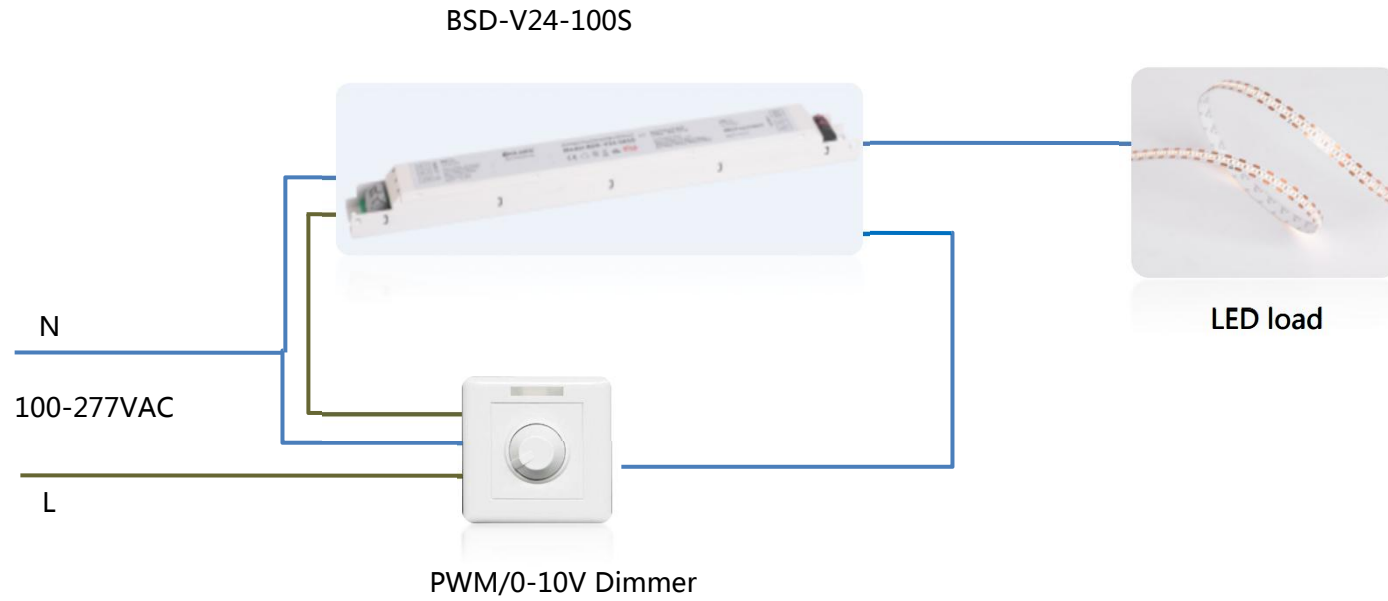


Power factor curve



Efficiency curve

Instructions



Protection

Short circuit/ open load/ Over load/ over current protection

## Precautions

- Please select the driver that matches the specified load. The output voltage of this product is 24VDC.
- To prolong the driver life span, please keep 5% load left( It' s recommended to use only 95% of the electricity )
- Do not use any acid or alkaline adhesive to fix the product.
- Risk of electric! It must be installed by a recognized electrician,and make sure to cut off the power before installation
- Please contact us for more information about test reports,rاليability etc.