

BDD-V24-100S

Data Sheet

2018.06 V1.1

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Features

BDD-V24-100S is a 100W constant voltage dimmable driver with wide input voltage, suit for DALI 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(ongoing)



Technical Data

INPUT

AC-L
AC-N
GND

8-9 mm
Φ:0.75-1.0mm²

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

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Dimmable Constant Voltage LED Driver

● TC

Model:BDD-V24-100S

CB CE SAA APPROVALS

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

Control Mode: DALI
Dimming Range:1%-100%
Short-Circuit / Over load protection
Non Flicker and Auto Recovery Mode

OUTPUT

LED+
LED-
DA1
DA2

8-9 mm
Φ:0.75-1.0mm²

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

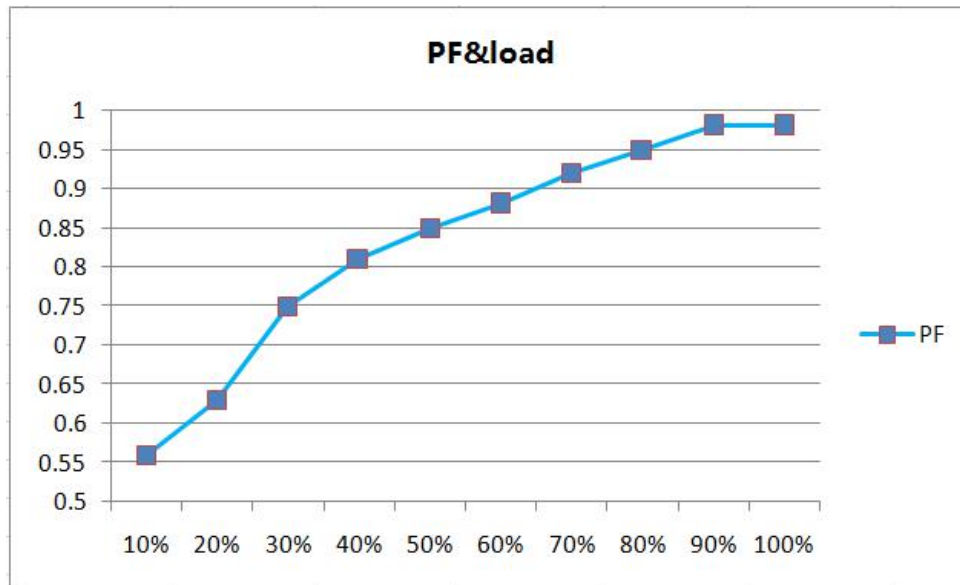
Output

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

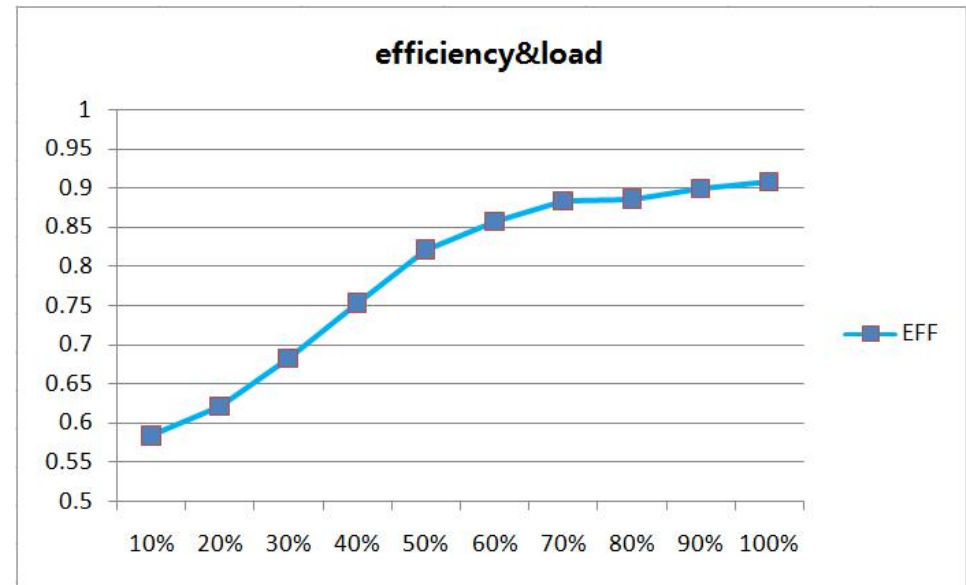
Environment

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



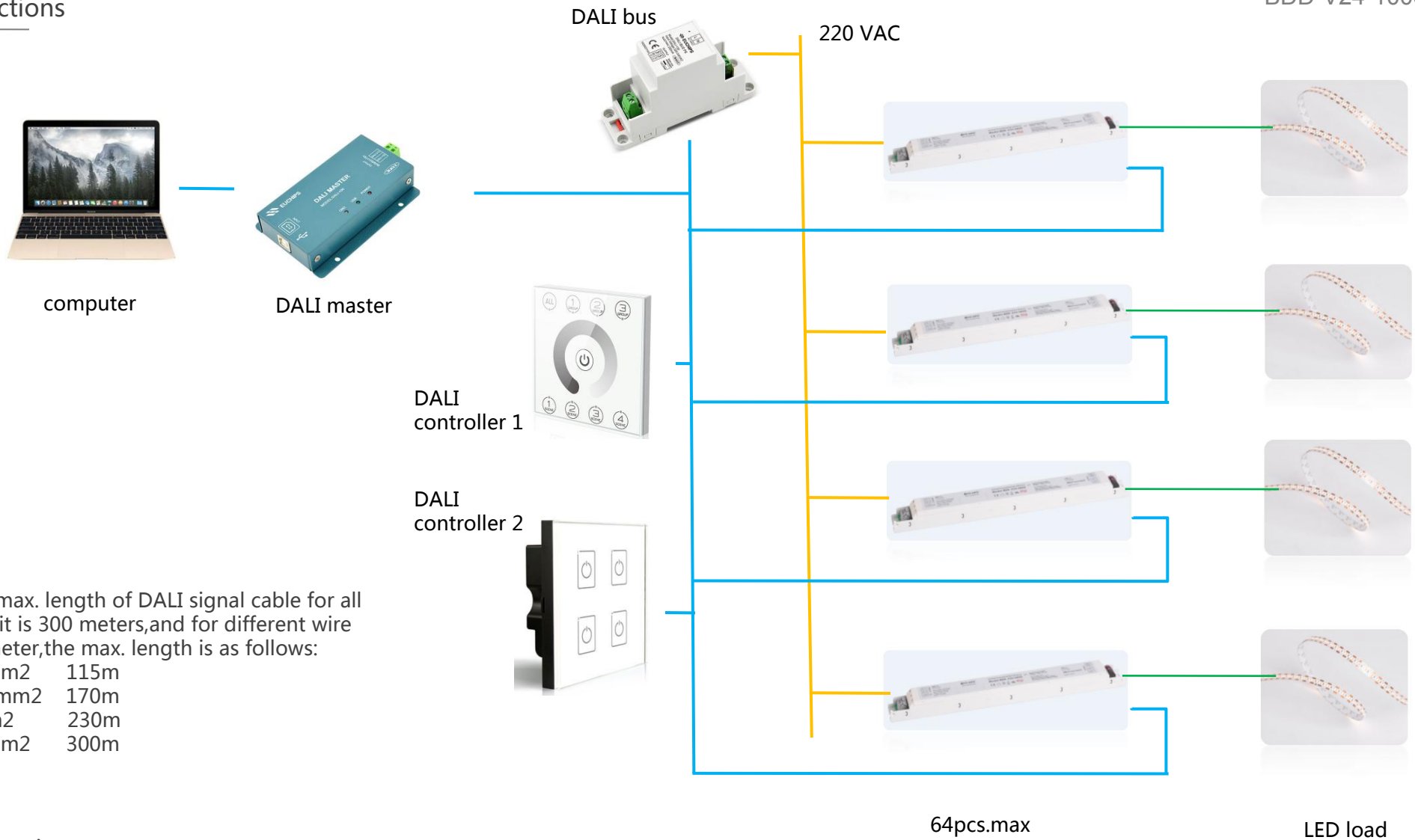
Power factor curve



Efficiency curve

Instructions

BDD-V24-100S



The max. length of DALI signal cable for all circuit is 300 meters, and for different wire diameter, the max. length is as follows:

0.5mm ²	115m
0.75mm ²	170m
1mm ²	230m
1.5mm ²	300m

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,raliability etc.