

FLS-PP Power PWM

Datasheet

- The FLS-PP is a wireless electronic ballast with 4x PWM output. It is connected between the LED power supply and the LED luminaires. The appliance is suitable for monochromatic, RGB and RGBW luminaires with common anode (COM+).
- The device can be controlled by classical light switch, smartphone, tablet PC, laptop or ZigBee compliant remote controls.
- It is compliant to the communication standard IEEE 802.15.4 and communicates in a mesh network, even with more than 1000 participants.
- The FLS-PP includes a powerful radio module of dresden elektronik for the license-free 2.4 GHz band. Due to the outstanding receipt properties of the integrated radio module the operation is also possible under harsh receipt conditions.
- The installation is simple, an elaborate wiring not required.
- The DC power supply unit must match the LED luminaires specification.



FLS-PP

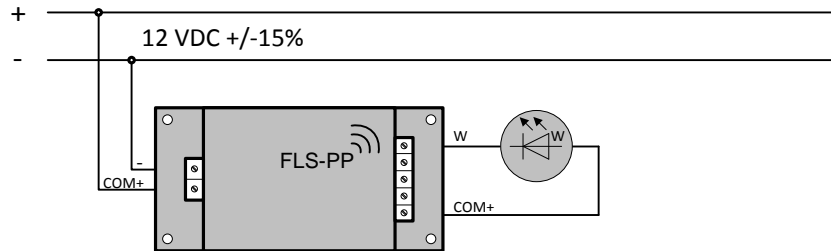
Technical Data

Dimensions	110 mm x 50 mm x 37 mm
Operating temperature	-20 to +50°C
Storage temperature	-40 to +75°C
Humidity	0 to 100% r.H. non-condensing
Degree of protection	IP20
Isolation class	3, SELV
Fuse	electronically fused
Input voltage	12 VDC +/-15% peak voltage < 18 V
Input current	≤ 6 A
Output channels	RGBW
Output channel characteristics	Total current ≤ 6 A
Standby power consumption	< 0.35 W
Communication standard	IEEE 802.15.4
Frequency range	2.4 GHz
Number of channels	16
Antenna	Integrated
Protocol	ZigBee
Profile	ZigBee Light Link
Certification	CE, ZLL and FCC certification pending

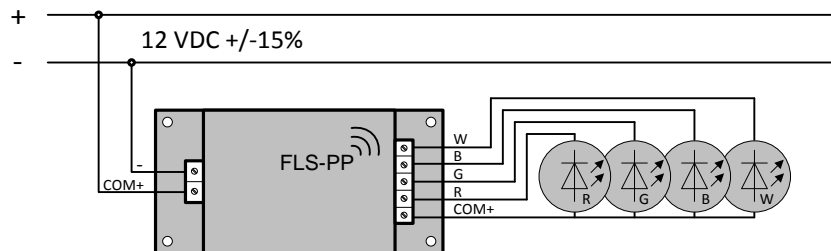
Technical Data

Wiring diagram

Monochromatic LED light (e.g. white):



RGB light:



- Feed line from power supply: ≤ 3 m, paired as twin cable or in one cable.
- Connecting cable to the lights: ≤ 5 m, all lines in one cable.

Scope of delivery

FLS-PP Power PWM

Part number

BN-600039

Product variants

FLS-RPC Dimmer

BN-600050

FLS-P PWM Dim Control

BN-600037

FLS-A 0/1-10V Bus

BN-600038

Related products

deRFusb deCONZ 2.4 GHz

BN-600040

RaspBee premium

BN-600052

RaspBee basic

BN-600053

More information:

<http://www.dresden-elektronik.de/funktechnik/solutions>

Order online: <https://shop.dresden-elektronik.de>

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Information**