

FLPS12-24

Switching power supply

Applications:

- outdoor LED lighting fixtures
- Alarms and security
- Industry



**Futuro
Lighting**
design

2016 Rev.0

FLPS12-24

12 W LED driver, Class II, in a size of matchbox



Specification:

Type: Flyback, Class II

Switching IC: ST microelectronics

Input voltage 190-265 VAC / 47- 60 Hz

PF > 0,4 @ 230 VAC

LED current: 0,5 A CC

Output voltage: 24 VDC CV

Efficiency > 83% @ full load

Output Power: 12 W max

Dimensions: 35 x 49 x 16 mm

Weight: ~ 59 g

IP rating: IP 67

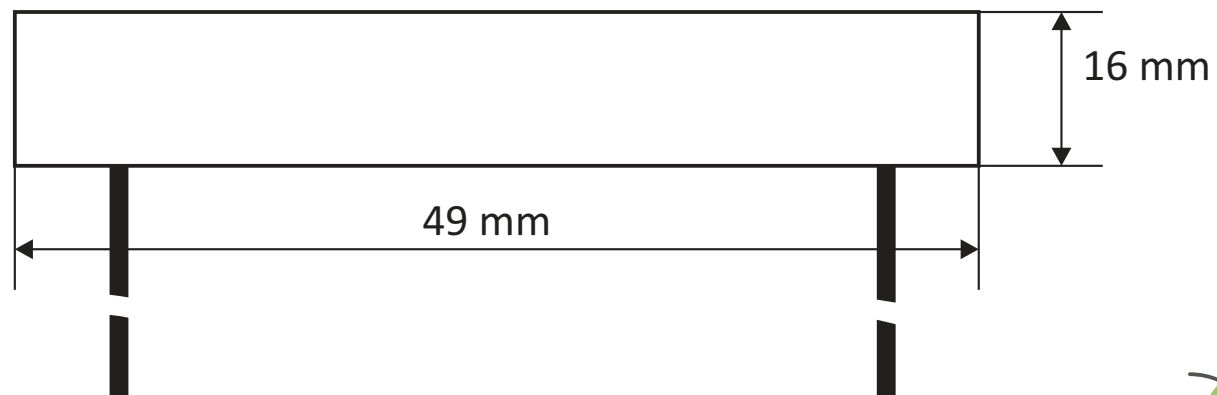
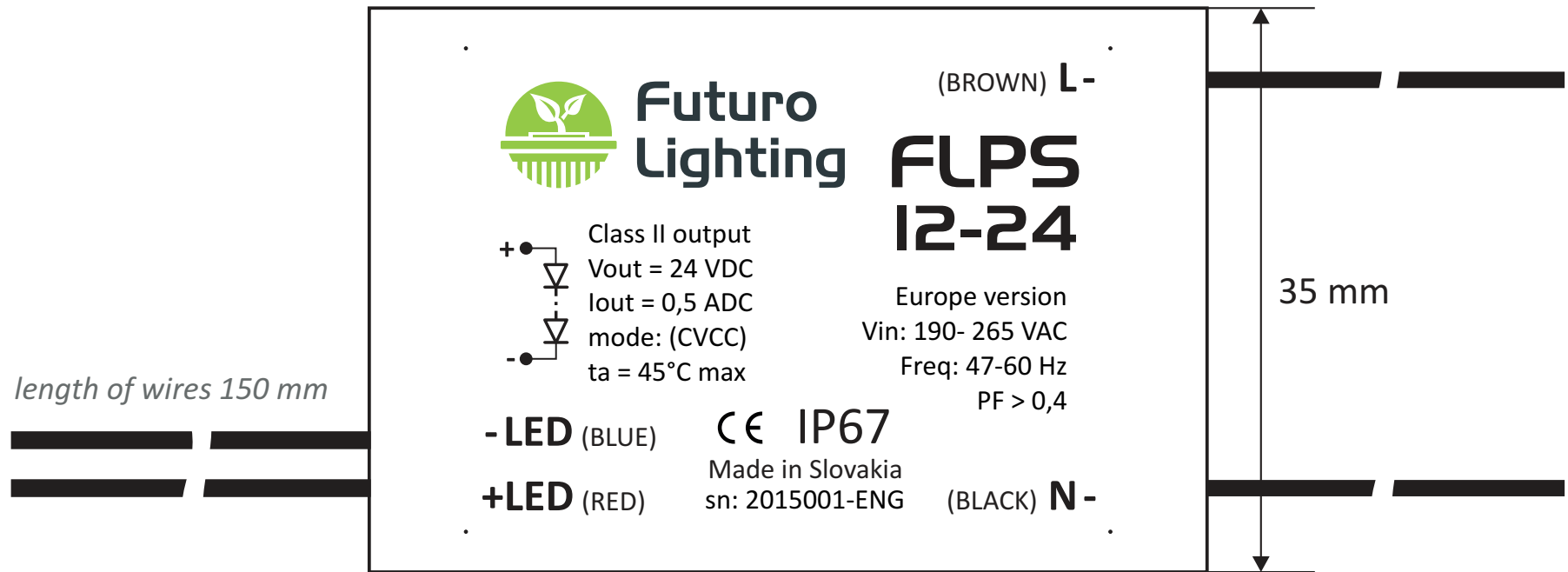
Ambient temperature: 45°C max

Connection: colored wires 150 mm

cooling: air convection

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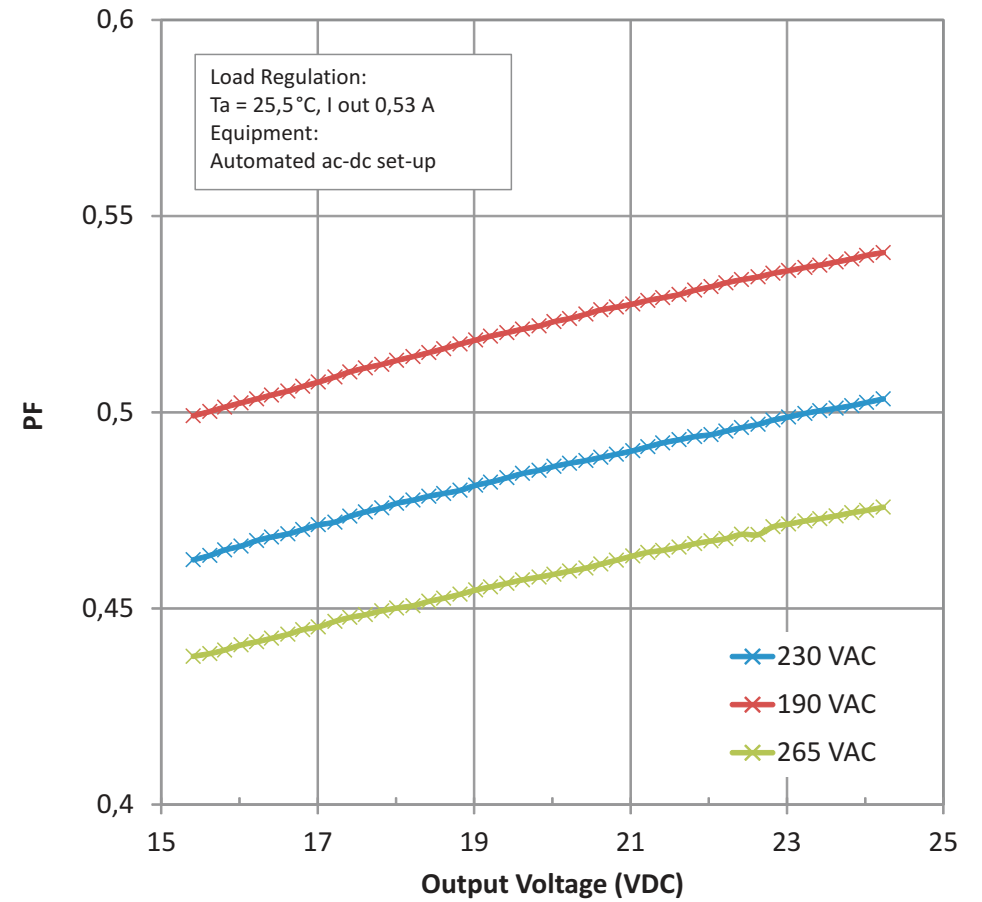
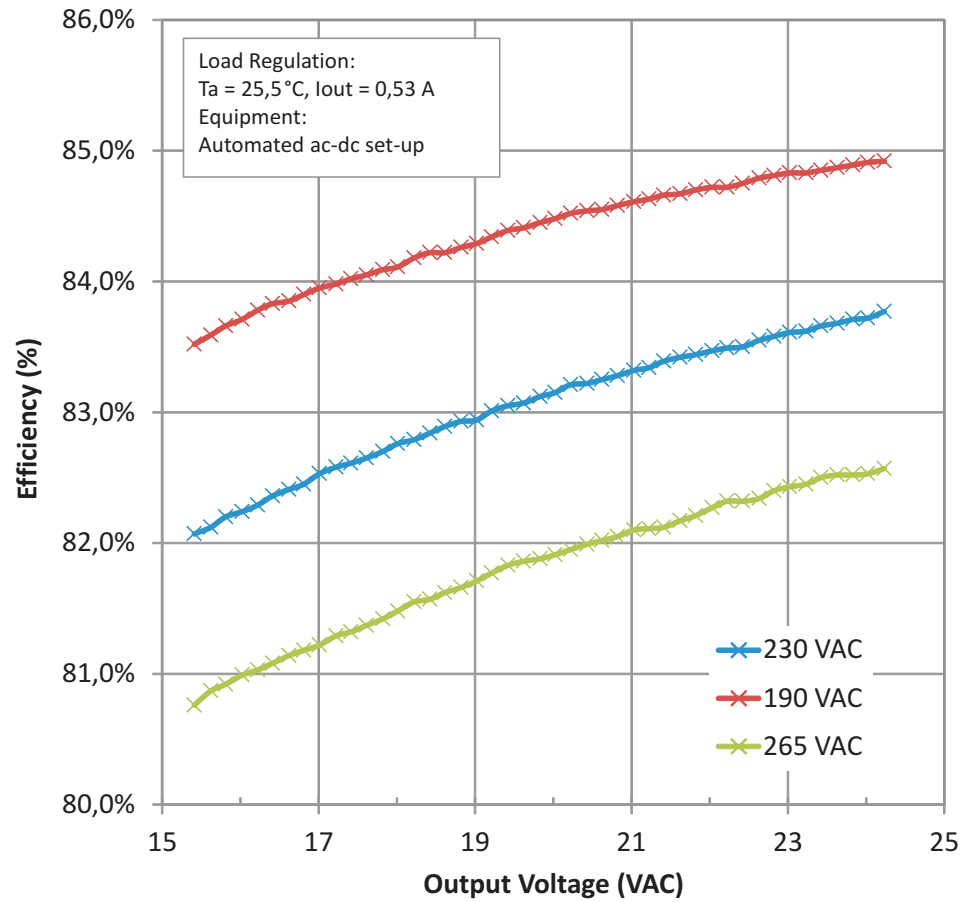
Dimensions



Note: wire diameter incl. insulation 2 mm

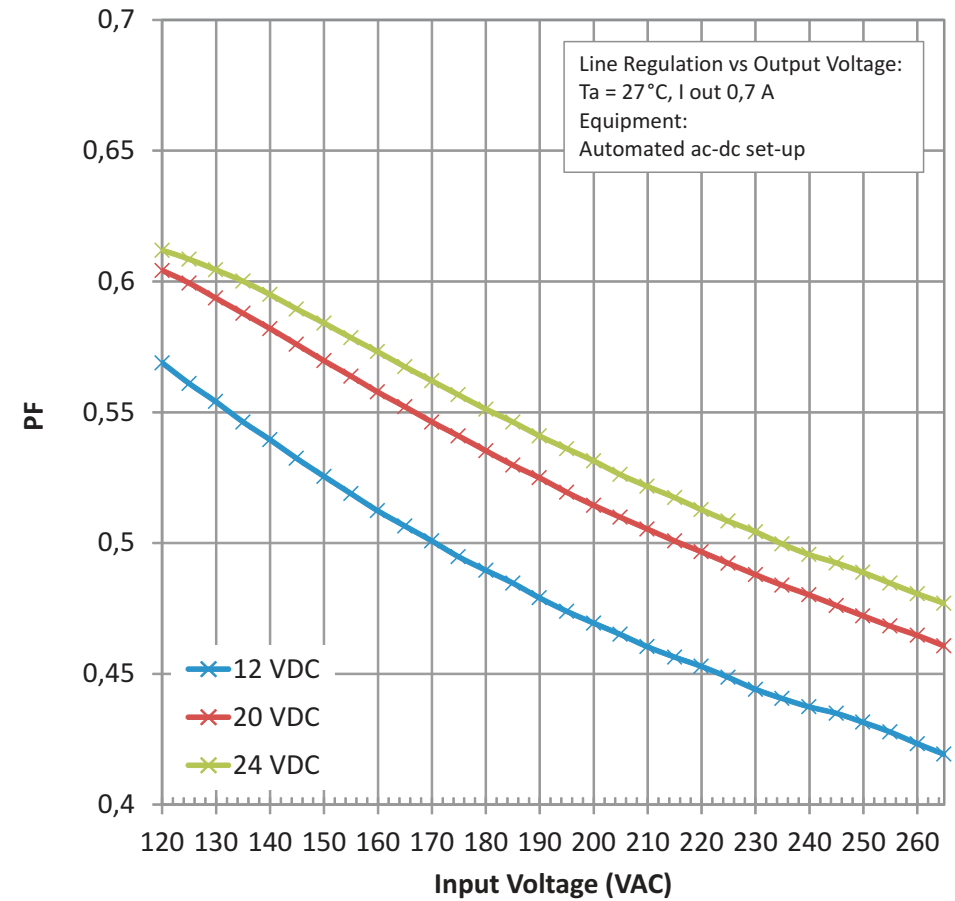
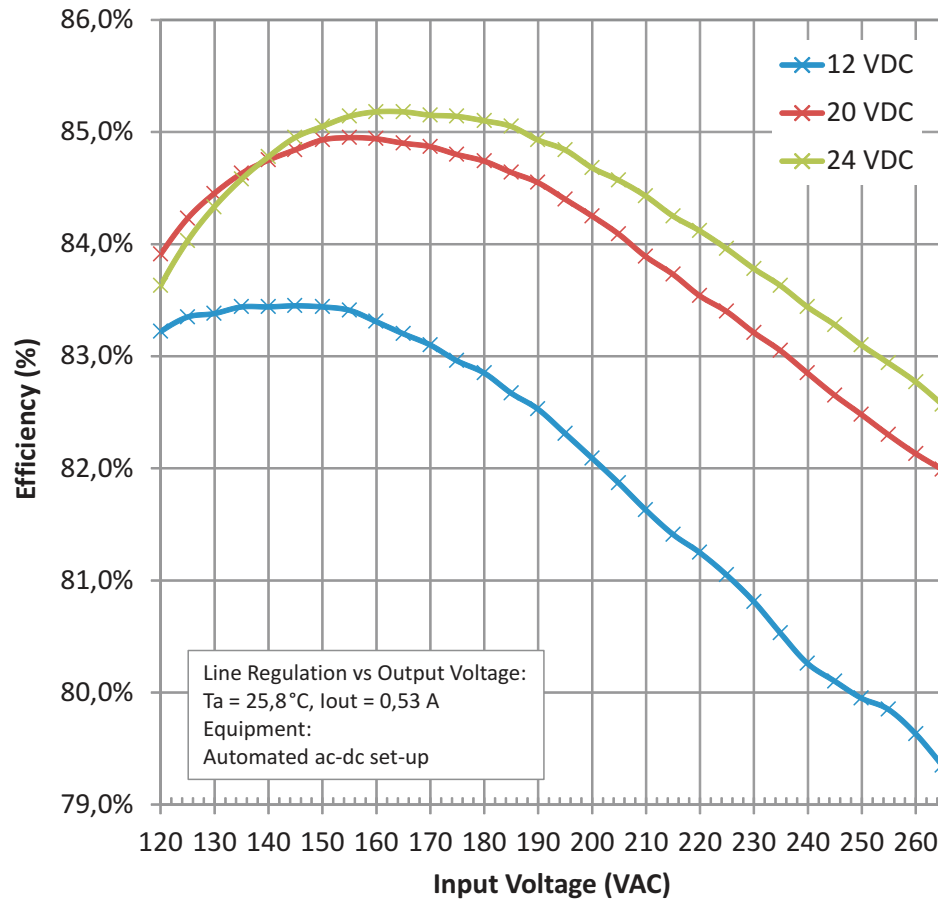
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Load Regulation Characteristics



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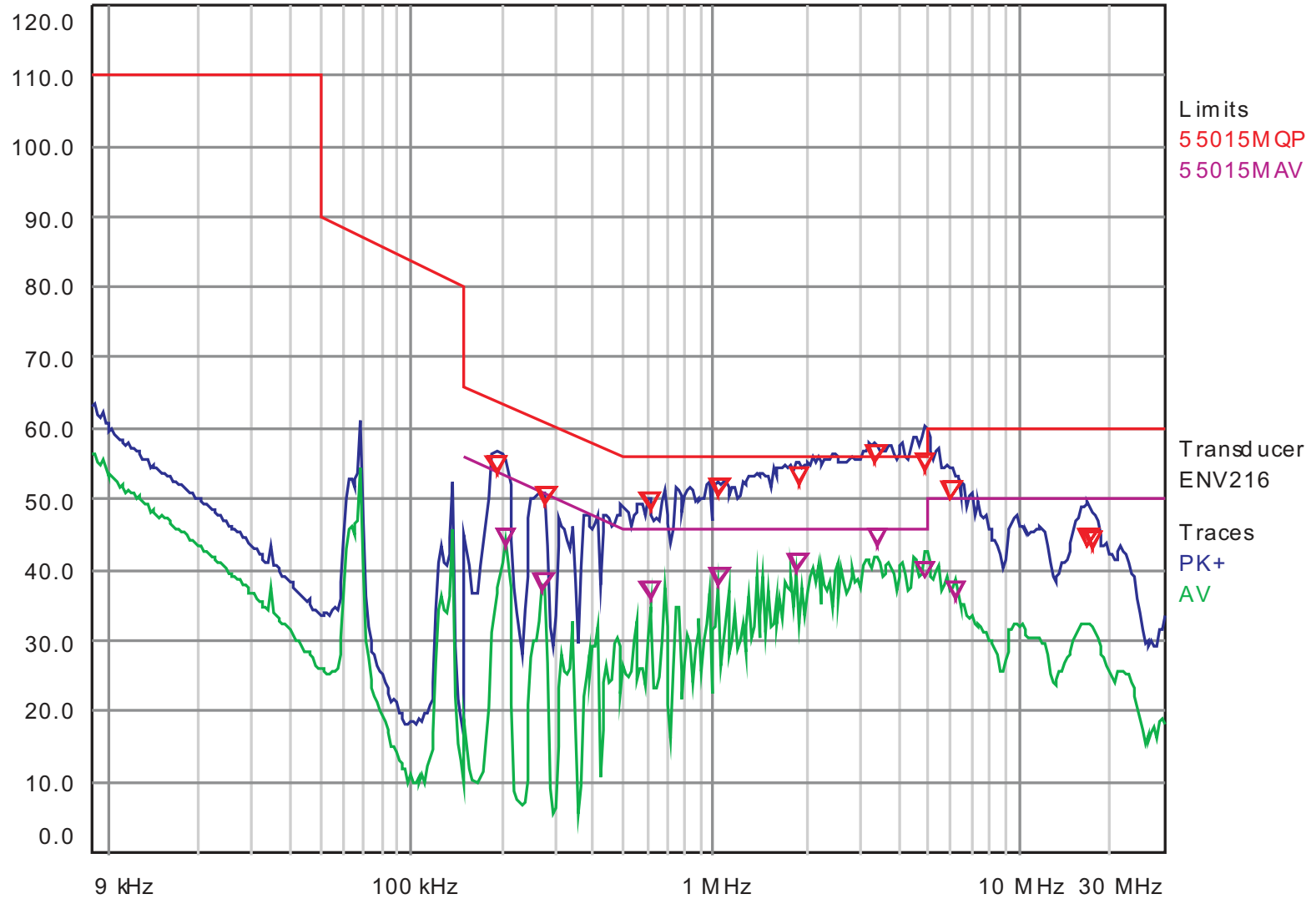
Line Regulation Characteristics



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EMI results, 9kHz - 30 MHz, 230 VAC

dB μ V



Frequencies			Receiver Settings			
Start	Stop	Step	Res BW	M-Time	Atten	Preamp
9 kHz	150 kHz	100 Hz	200 Hz (6dB)	50 ms	Auto	Off
150 kHz	30 MHz	5 kHz	9 kHz (6dB)	50 ms	Auto	Off