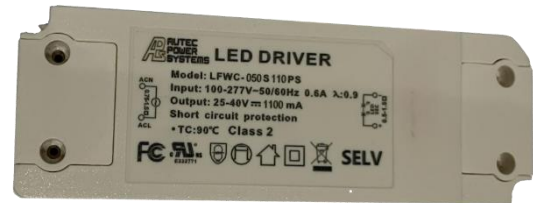


■ Features

- Power Rating: 40-48W
- Input Voltage: 100-277Vac
- Constant current design
- Fixed output current(1000mA-1200mA)
- Efficiency to 87%
- Non-Dimming
- SCP, LED disconnection protection
- 5-year warranty
- Surge Protection level L-N: 1kv



*Product images are for illustrative purposes only and may vary from actual design.

■ Application

- Indoor or outdoor lights

■ Model List*(See part number scheme for model number details)

Model Number	Input Voltage Range	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certification
LFWC-050S100PS	100~277Vac	40W	25-40V	1000mA	1000mA	87%	UL/cUL
LFWC-050S105PS	100~277Vac	42W	25-40V	1050mA	1050mA	87%	UL/cUL
LFWC-050S110PS	100~277Vac	44W	25-40V	1100mA	1100mA	87%	UL/cUL
LFWC-050S120PS	100~277Vac	48W	25-40V	1200mA	1200mA	87%	UL/cUL

■ Technical Data

Input voltage range	100~277Vac
Frequency	47-63Hz
Power factor	> 0.9 under 100~277Vac input with 80~100% load condition (for all output currents)
Inrush current	60A @230Vac
Max input current	600mA @100-277Vac & 100% load
No load Voltage	45-50Vdc
Output current precision	5%
Ripple & noise	3Vp-p
THD	20%@Output Voltage typ.
Turn on delay time	1S
Efficiency	87%@100-277Vac & 100% load (see charts)
Output Voltage	25-40V
Protection	LED Disconnection Protection: Hiccup mode. Protection will trigger when the LED driver is disconnected, no damage will occur to the driver. Short circuit protection: Hiccup mode. Protection will trigger when short circuit and will auto recover after the fault mode is removed.
Operating Temperature	-20°C to +50C

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■ Technical Data(cont.)

Operating Relative Humidity	10%RH to 90%RH
Storage Temperature	-30°C to +70°C
Storage Relative humidity	10%RH to 90%RH
Vibration	1.0mm, 10-55Hz, 15 minutes per cycle for each axis
Altitude	Sea level to 2000m
Cooling	Natural Convection Cooling
Lifetime	≥50,000 hours@230Vac, 100% load
MTBF	≥50,000 hours at 25°C at 80% load (MIL-HDBK-217F)
Burn-In	4 hours Burn-In test under full load condntions
Dimensions LxWxH	135x46x32mm 5.3x1.81x1.25in
Weight	118g
Packing	TBD

■ Safety Compliance

Safety Standard	UL8750, cUL CSA C22.2 No. 8750
Dielectric Strength	I/P-OP:3000Vac/5mA/60S
Insulation Resistance	I/P-O/P: 50MΩmin @500Vdc
Leakage Current	The leakage current shall be less than 0.25mA for Class 2 at maximum input voltage
EMC Compliance	FCC Part15 Class B
EMS	EN61000-4-2,3,4,5 EN61547

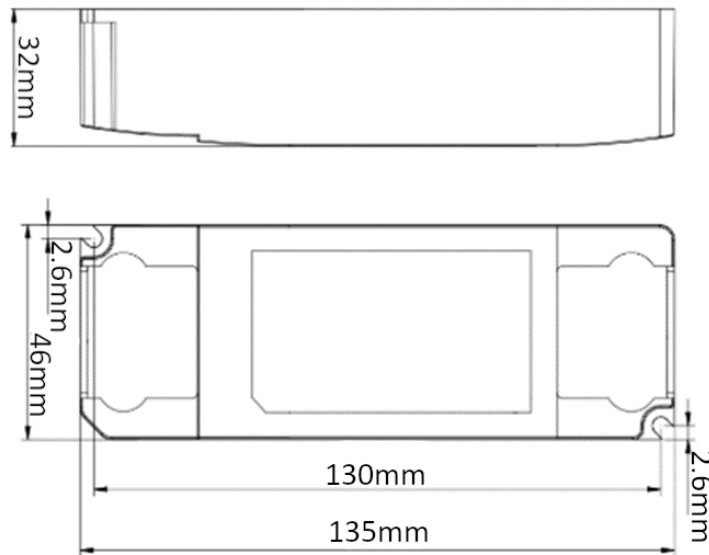
Notes:

1. The parameters above including the power factor, THD, efficiency are all tested under the ambient temperature 25°C and humidity 50%, AC input 230V and 90% output load.
2. Io is rated output current.

Disclaimer:

Autec Power Systems' (Autec) LED Drivers are Hi-Pot tested during the manufacturing process. Autec assumes no responsibility for secondary Hi-Pot testing at customer location or designated production line(s). Should customer require further Hi-Pot testing, at their own production line, following assembly of the LED Driver into the customer's assembled fixture, Autec requests advance notice. This request must be communicated to Autec in a timely manner and is recommended to be requested at time of issuing each purchase order.

■ **Mechanical Diagram**



Part Number Scheme

LF W C - 050 S XXX P S

LF=LED Driver Series

W=Input Voltage 100-277Vac

C=Constant Current

"- "=Non-Dimming

050=Output Power Watts

S=Class II, 2 Wire Input

P=Plastic case

XXX=Rated Current
Ex.) 100=1000mA
120=1200mA

S=Single Output

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*Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.

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