

■ Features

- Power Rating: 4-20W
- Input Voltage: 100-277Vac
- Constant current design
- Fixed output current(100mA-500mA)
- Efficiency to 86%
- 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-020S010PS	100~277Vac	4W	25-40V	100mA	100mA	86%	UL/cUL
LFWC-020S012PS	100~277Vac	4.8W	25-40V	120mA	120mA	86%	UL/cUL
LFWC-020S013PS	100~277Vac	5.2W	25-40V	130mA	130mA	86%	
LFWC-020S015PS	100~277Vac	6W	25-40V	150mA	150mA	86%	UL/cUL
LFWC-020S020PS	100~277Vac	8W	25-40V	200mA	200mA	86%	UL/cUL
LFWC-020S022PS	100~277Vac	8.8W	25-40V	220mA	220mA	86%	
LFWC-020S025PS	100~277Vac	10W	25-40V	250mA	250mA	86%	UL/cUL
LFWC-020S030PS	100~277Vac	12W	25-40V	300mA	300mA	86%	UL/cUL
LFWC-020S035PS	100~277Vac	14W	25-40V	350mA	350mA	86%	UL/cUL
LFWC-020S040PS	100~277Vac	16W	25-40V	400mA	400mA	86%	UL/cUL
LFWC-020S045PS	100~277Vac	18W	25-40V	450mA	450mA	86%	UL/cUL
LFWC-020S050PS	100~277Vac	20W	25-40V	500mA	500mA	86%	UL/cUL

■ Technical Data

Input voltage range	100~277Vac
Frequency	47-63Hz
Power factor	> 0.9 under 120~277Vac input with 80~100% load condition (for all output currents)
Inrush current	60A @230Vac
Max input current	300mA @100-277Vac & 100% load
No load Voltage	46-50Vdc
Output current precision	5%
Ripple & noise	3Vp-p
THD	20%@Output Voltage typ.
Current accuracy	5%Io
Turn on delay time	1S

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Efficiency	85%@100-277Vac & 100% load (see charts)
Output Voltage	25-40V

■ Technical Data(cont.)

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 +40°C
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 condtions
Dimensions LxWxH	94x37.5x24mm 3.7x1.47x0.94in
Weight	60g
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
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

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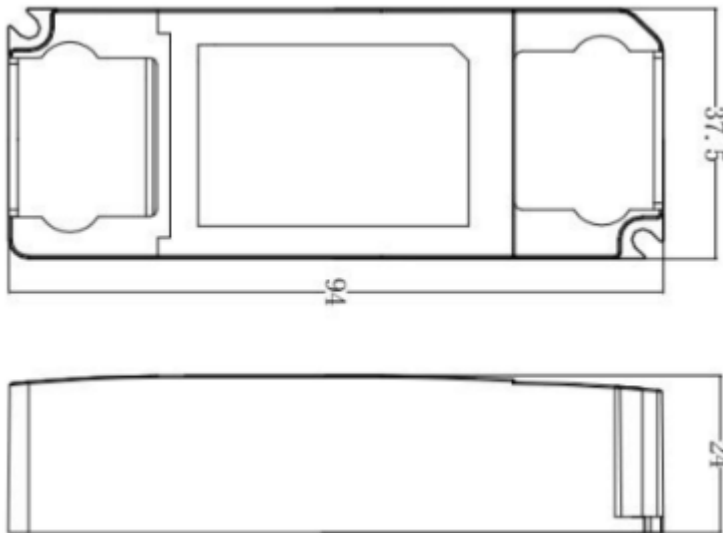
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requests advance notice. This request must be communicated to Autec in a timely manner and is recommended to be requested at time of issuing each purchase order.

■ Mechanical Diagram



Part Number Scheme

LF W C - 020 S XXX P S

LF=LED Driver Series

W=Input Voltage 100-277Vac

C=Constant Current

"-"=Non-Dimming

020=Output Power Watts

S=Class II, 2 Wire Input

P=Plastic case

XXX=Rated Current
Ex.) 010=100mA
050=500mA

S=Single Output

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