


**Constant Current Driver 恒流电源**
**Model/型号: LC40W250-400**


Model 型号	Output Current 输出电流	Input Current 输入电流	Input Power 输入功率	Output Power Range 输出功率范围	PF 功率因素	Efficiency 效率	Output Voltage 输出电压	No load Voltage 空载电压
LC40W250-400	250mA	0.25	45.5W	20-35W	0.95	87%	80-140V	160V
	300mA	0.28	45.9W	19.5-39.9W			65-133V	
	350mA	0.28	46.4W	22.8-39.9W		86%	65-114V	
	400mA	0.28	46.5W	26-40W			65-100V	

\* Test result @230V,50Hz, Full Load. 所有测试参数基于 @230V, 50Hz, 满载

**1.Parameters 参数表**

category 类别	Item 项目	Technical Norm
Features 特性	Output Type 输出类型	Constant Current
	IP Grade 等级	IP20
	Output Features 输出特性	Isolation
	Insulation Class 绝缘等级	Class I
Input 输入参数	Rated Input Voltage 额定输入电压	220-240VAC
	Range of Input Voltage 输入电压范围	180-264VAC
	Frequency 输入频率	50/60Hz
	Input Current 输入电流	≤0.28A (180VAC, full load)
	Input Power 输入功率	≤46.5W (230VAC, full load)
	Power Factor 功率因素	≥0.95 (230VAC, full load)
	THD 谐波	≤15% (230VAC, full load)
	No-load Power Consumption 空载功耗	≤0.5W @230VAC
	Inrush Current 涌入电流	≤21A/400us (230VAC, Full-load)
	Connected quantity of 16A Breaker 断路器电源连接数量	22pcs/type B ; 38pcs/type C @ 230Vac
Output 输出参数	Current Accuracy 电流精度	±5% ±8% @ (80-140V250MA)
	Max. Output Power 最大输出功率	40W
	Started Delay Time 启动延时	≤0.5S (230VAC, full load)
	Current Ripple 纹波电流	±5% (Imax-Imin)/(Imax+Imin)
Protection 保护特性	Short Circuit Protection 短路保护	Auto Recovery
	380V Protection	Auto Recovery





	Overload Protection 过载保护	Auto Recovery
	No-load Protection 空载保护	Auto Recovery
	Insulation voltage 绝缘电压	I/P to O/P , 3KVac/1min
	Insulation resistance 绝缘电阻	>100M ohm @ 500VDC
	Leakage current 漏电流	I/P to O/P < 250μA
Environment 使用环境	Ta/Operation Temperature 工作温度	-25....+50°C
	Ts/Storage Temperature 储存温度	-30....+85°C
	Tc/Enclosure Temperature 外壳温度	85 °C
	Humidity 湿度	10%....90%RH
	Atmosphere 大气压强	86-108KPa
Construction 安装	Connection Method 连接方式	Push-in Terminal
	Installation 安装方式	Build-in
	PRI Wire preparation 输入线径	0.75-1.5 <sup>□</sup>
	SEC Wire preparation 输出线径	0.5-1.5 <sup>□</sup>
	Dimension 尺寸	230*30*21mm (L*W*H)
Standards 标准	Certification 证书	CE
	Safety Standards 安全标准	EN61347-1:2015,EN61347-2-13:2014/A1:2017,E N62493:2015
	EMC Standards 电磁兼容标准	EN55015:2013/A1:2015,EN61000-3-2:2014,EN6 1000-3-3:2013,EN61547:2009
	Performance 性能标准	EN62384
	Surge 浪涌	L-N-PE/2KV
Others 其它	RoHS 环保	Complied to 2011/65/EU
	Life Time 寿命	50000h Ta /Tc
	Warranty 质保	5years , F.R. <10000ppm
<b>Remark/备注</b> 1. 所有参数无特别说明,均在输入电压 230VAC/50Hz 和 25°C的环境温度下测得。All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature. 2. LED 电源作为整灯中的一个零部件与终端设备结合使用,因 EMC 性能受 LED 灯具以及走线的影响,终端设备制造商需对整套装置重新进行 EMC 确认。LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.		





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## 2. Label 铭牌

N

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OFF — ON

**KGP**

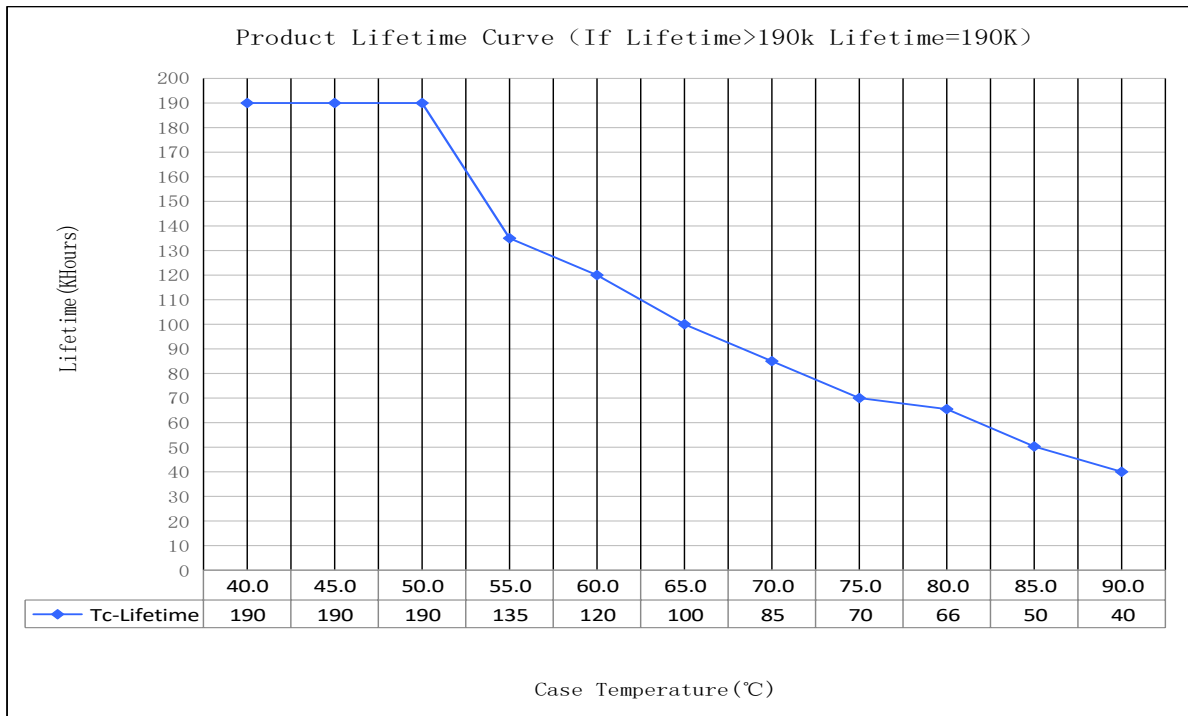
KGP Electronics GmbH  
Hueckstraße 19  
DE-58511 Lüdenscheid

**LED Driver**  
LC40W250-400  
Constant Current Type

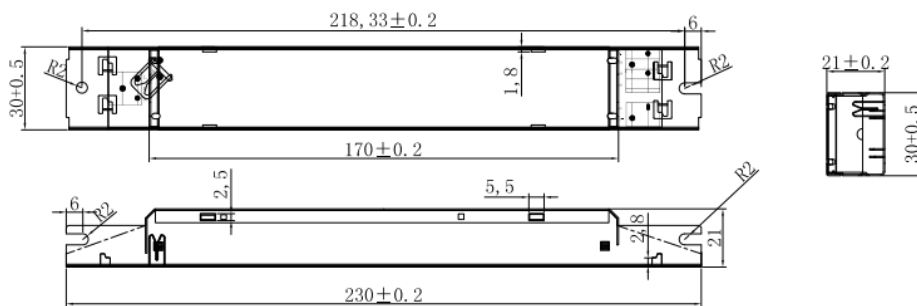
PIN1	PIN2	I <sub>rated</sub> [mA]	P <sub>rated</sub> [W]	U <sub>rated</sub> [V]	U <sub>N</sub> / f <sub>N</sub>	I <sub>N</sub> [A]	t <sub>c</sub> [°C]	t <sub>a</sub> [°C]	λ
OFF	OFF	250	35	80-140	220-240VAC 50/60Hz	0.28	85	-20...+50	0.95
ON	OFF	300	39.9	65-133					
OFF	ON	350	39.9	65-114					
ON	ON	400	40	65-100					

U<sub>out</sub>: Max. 160VDC For LED modules only

## 3. Lifetime curve 寿命曲线

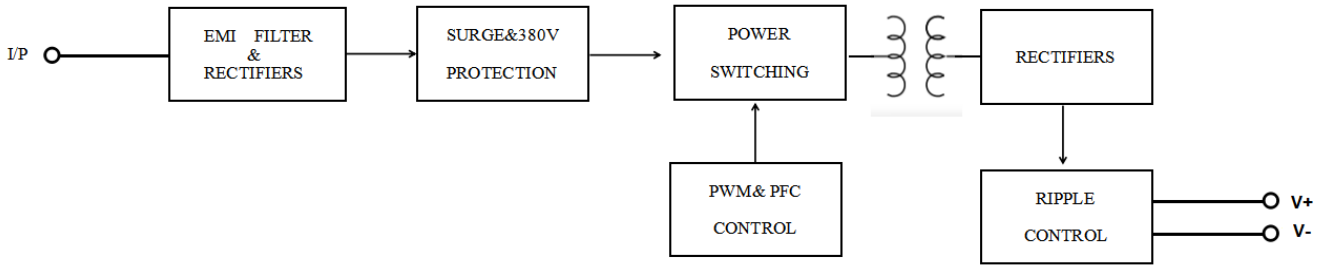


## 4. Dimension 尺寸 (Unit: mm)

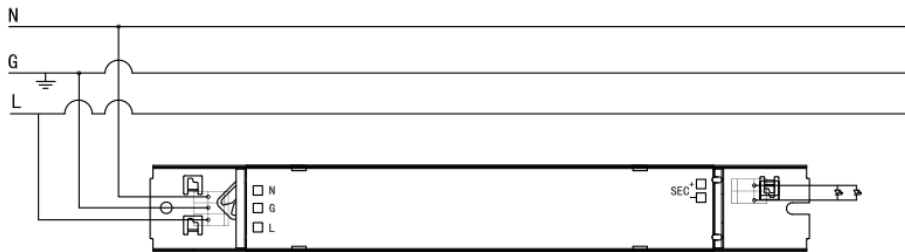




### 5. Block Diagram方框图



### 6. Wiring Diagram接线图



### 7. Packing information装箱信息

Carton L*W*H(mm) 纸箱尺寸	Pcs/Carton 量/箱	数	Net weight/ Pcs(kg) 净重/个	Net weight/ Carton(kg)净重/箱	Gross weight / Carton(kg)毛重/箱
410*270*160	60		0.17	10.2	10.76

### 8. Wiring instructions 接线说明

- All connections must be kept as short as possible to ensure good EMI behaviour  
所有的连接线尽可能的短，以保证良好的 EMI
- Mains leads should be kept apart from LED Driver and other leads (ideally 5 – 10 cm distance)  
电源线应和驱动器以及其他连接线保持一定的距离（建议 5-10cm）
- Advice the maximum length of output wires is 3 m  
建议输出线的最大长度不超过 3m
- Secondary switching is not permitted (Except for constant voltage)  
不允许二次侧开关（恒压除外）
- Incorrect wiring can damage LED modules.  
错误的布线会损坏 LED 模组
- The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips, louver, etc.)  
防止线路对地短路。（尖锐的金属零件、金属电缆夹、百叶窗等）

