

RWP30-1H700C-C3

Product Feature

- Isolated LED Driver for class I , Class II LED Luminaire
- Fixed output built-in LED driver
- Simple structure, cost effective
- Flicker free LED driver
- Indoor office lighting, decorative lighting, commercial lighting, and residential lighting
- 5 years warranty



Application



Downlight



Panel Light



Spotlight



Ceiling Light



Decorative Light



Floor Light



Flood Light



Technical Parameters

Model	Input Voltage	Input Current	Input Power	PF	Output Voltage	Output Current	No load Voltage	Range of Output Power	Eff.
RWP30-1H700C-C3	220-240VAC	0.21A	33W	0.95	27-42VDC	700mA	55VDC	18.9-29.4W	88%

Input	Range of Input Voltage	198-264VAC
	Frequency	50/60Hz
	THD	<15%@230VAC, Full-load
	No-load Power Consumption	≤0.5W @230VAC
	Inrush Current	≤40A (230VAC, Full-load)
	Connected quantity of 16A Breaker	20pcs/type B ; 32pcs/type C @ 230Vac
Output	Current Tolerance	±5%
	Started Delay Time	≤0.5S (230VAC, full load)
	Current Ripple	<8%
	Channel	1
Protection	Short Circuit	Auto Recovery
	Overload Protection	Auto Recovery
	Insulation voltage	I/P to O/P, 3.75KVac/1min
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P < 250 μ A
Environment	Ta/Operation Temperature	-20...+60 ℃
	Ts/Storage Temperature	-40...+80 ℃
	Tc/Enclosure Temperature	90 ℃
	Humidity	10%...90%RH
	Atmosphere	86-108KPa
Standards	Safety Standards	EN 61347-1:2015/A1:2021 EN 61347-2-13:2014/A1:2017 EN 62493:2015
	EMC Standards	EN 61547、EN55015、EN 61000-3-2、EN61000-3-3
	Performance	EN62384
	Surge	L-N/2KV
	Withstand voltage	I/P-O/P:3.75KVac,<5mA 60s;
Others	RoHS	RoHS 2.0 (EU) 2015/863
	Life Time	30000h @60 ℃ (Ta) / 90 ℃ (Tc)
	Warranty	5years, F.R.<10000ppm
	Packing(weight)	Net weight: --g±5%/PCS; 80PCS/Carton; -- kg±5%/Carton; Carton Size: 275*145*275mm(L*W*H)

Remark

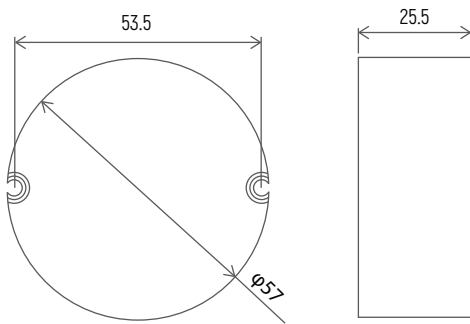
1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25 ℃ ambient temperature.

2.LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.

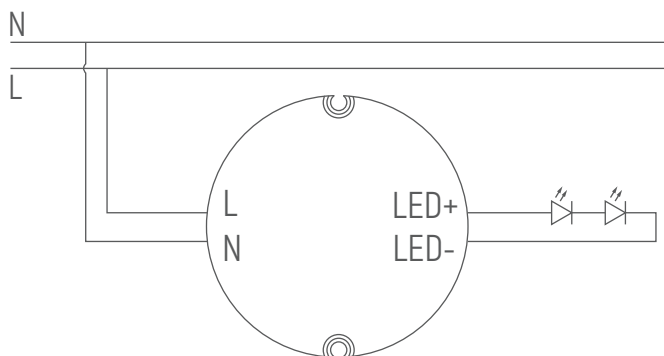
3.It is recommended that customer should install overvoltage and undervoltage protection devices and surge protection devices in the power supply circuits of the light fixtures to ensure safety before connecting to electricity.

4Man-made damage, any use beyond the specification and non-original-factory modification are not covered by warranty.

Dimension(mm)



Wiring Diagram



Wiring instructions

- All connections must be kept as short as possible to ensure good EMI behaviour
- Mains leads should be kept apart from LED Driver and other leads (ideally 5 – 10 cm distance)
- Advice the maximum length of output wires is 3 m
- Secondary switching is not permitted (Except for constant voltage)
- Incorrect wiring can damage LED modules.
- The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips, louver, etc.)

RWP30-1H700C-C3

产品特点

- 隔离电源（适用于I，II类灯具）
- 固定输出内置式LED驱动
- 结构简单、性价比高
- 无频闪LED驱动
- 可用于室内办公照明、装饰照明、商照照明和家居照明
- 5年质保



应用



技术参数

型号	输入电压	输入电流	输入功率	功率因数	输出电压	输出电流	空载电压	输出功率范围	效率
RWP30-1H700C-C3	220-240VAC	0.21A	33W	0.95	27-42VDC	700mA	55VDC	8.9-29.4W	88%

输入	输入电压范围	198-264VAC
	频率	50/60Hz
	THD	<15%@230VAC, 满载
	空载功耗	≤0.5W @230VAC
	涌入电流	≤40A [230VAC, Full-load]
	断路器电源连接数量	20pcs/type B ; 32pcs/type C @ 230Vac
输出	电流精度	±5%
	启动延时	≤0.5S [230VAC, full load]
	纹波电流	< 8%
	通道	1
保护	短路保护	自动恢复
	过载保护	自动恢复
	绝缘电压	I/P to O/P, 3.75KVac/1min
	绝缘电阻	>100M ohm @ 500VDC
	漏电流	I/P to O/P < 250 μ A
使用环境	工作温度	-20....+60 °C
	储存温度	-40....+80 °C
	外壳温度	90 °C
	湿度	10%....90%RH
	大气压强	86-108KPa
标准	安全标准	EN 61347-1:2015/A1:2021 EN 61347-2-13:2014/A1:2017 EN 62493:2015
	电磁兼容标准	EN 61547、EN55015 、 EN 61000-3-2、 EN61000-3-3
	性能标准	EN62384
	浪涌	L-N/2KV
	耐压测试	I/P-O/P:3.75KVac,<5mA 60s;
其他	环保	RoHS 2.0 (EU) 2015/863
	寿命	30000h @60 °C [Ta] / 90 °C [Tc]
	质保	5years, F.R.<10000ppm
	包装尺寸(重量)	净重:--g±5%/PCS; 80PCS/Carton; --kg±5%/箱; 外箱尺寸: 275*145*275mm[长*宽*高]

备注:

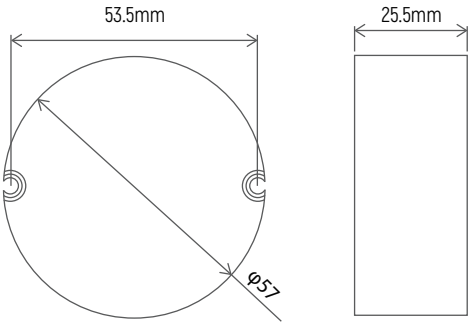
1.所有参数无特别说明，均在输入电压230VAC/50Hz和25°C的环境温度下测得。

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。

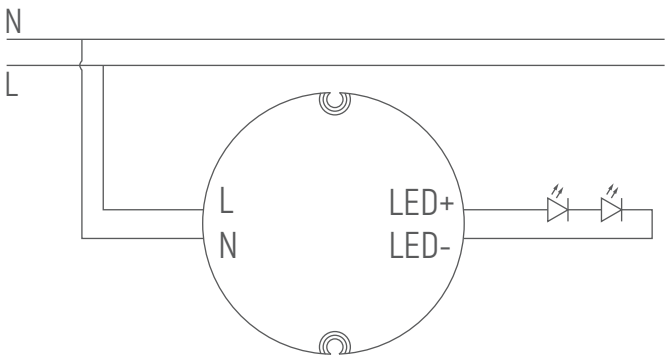
3.建议客户在灯具供电回路中安装过欠压保护与浪涌保护装置，以确保用电安全。

4.人为损坏、超出本产品使用条件、非原厂改动不属于保修范围。

尺寸(mm)



接线图

**接线说明:**

- 所有的连接线尽可能的短，以保证良好的EMI
- 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）
- 建议输出线的最大长度不超过3m
- 不允许二次侧开关（恒压除外）
- 错误的布线会损坏LED模组
- 防止线路电线对地短路。（尖锐的金属零件、金属电缆夹、百叶窗等）