LVED-PRO 7 LED i U

LVED-PRO-120-500x-xxx
LVED-PRO-150-620x-xxx
LVED-PRO-200-830x-xxx
LVED-PRO-240-1000x-xxx

Features

- Universal input voltage 100-277Vac
- Surge protection : L-N: 4kV & L/N-GND: 6kV
- Output current adjusted via DIP switch and fine-tuned via Potentiometer
- CCT adjustable via DIP switch (optional)
- 3 versions selectable: non-dimmable, 3-in-1 dimming & 3-in-1 ,dimming +12V AUX output 」 」 +12V
- All-round protections: over voltage protection and short circuit Protection /
- Flicker free

Benefits

- Adjustable output current/voltage.
  输出电流/电压可调
- Long lifespan and low maintenance costs
  长寿命，低维护成本

Application

- industrial lighting工业照明
- Warehouse lighting仓库照明

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INPUT SPECIFICATIONS

Parameter 参数	Min.最小值	Typ.典型	Max.最大值	Notes 备注
Input Voltage 输入电压	100Vac	120-277Vac	277Vac	
Input Frequency 输入频率	47Hz	50Hz/60Hz	63Hz	
Leakage Current 漏电流	-	-	0.75mA	277Vac/50Hz
Input AC Current 输入电流	-	-	1.5A	LVED-PRO-120-500X * & full load
	-	-	2.0A	LVED-PRO-150-620X *& full load
	-	-	2.6A	LVED-PRO-200-830X *& full load
	-	-	3.0A	LVED-PRO-240-1000X *& full load
Power Factor 功率因素	0.97	0.99	-	120Vac,full load 满载
	0.95	0.96	-	230Vac,full load 满载
	0.92	0.95	-	277Vac,full load 满载
THD 谐波	-	9%	15%	230Vac,80%- 100% 负载
	-	10%	20%	277Vac,80%- 100% 负载

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OUTPUT SPECIFICATIONS

Parameter 参数	Min.最小值	Typ.典型值	Max.最大值	Notes 备注
Output Current Tolerance 输出电流误差	-8%	-	+8%	
Adjustable Output Current (TYP@220Vdc) 输出电流调节范围	0.30A（LOW）	0.40A（MID）	0.50A（HIGH）	LVED-PRO-120-500X-XXX
	0.37A（LOW）	0.50A（MID）	0.62A（HIGH）	LVED-PRO-150-620X-XXX
	0.50A（LOW）	0.67A（MID）	0.83A（HIGH）	LVED-PRO-200-830X-XXX
	0.60A（LOW）	0.80A（MID）	1.00A（HIGH）	LVED-PRO-240-1000X-XXX
ڑ، ۽ ت(HuLED+) "O ט Ã Hu ذ ˇ ˚ □ (% ا ǐ ﷺ ا ǰ °) Changeable CCT (one LED+)	Channel A	Channel A+B	Channel B	Adjustable via DIP switch (optional); two-channel output
Total Output Current Ripple (pk-pk)输出纹波	-	1%	5%	20MHz BW, 100% Load& load is LED, ripple is different with difference LED load
Startup Overshoot Current 输出过冲	-	-	10%	277Vac & 100% load, load is LED
Output Voltage Range(V) 输出电压范围	180	240	260	120-277Vac
Standby Power 待机功耗			0.5W	230Vac & 100% load, load is LED
Line Regulation 线性调整	-5%	-	+5%	25 ±10 ambient,temperature,input voltage changes from 120Vac to 277Vac
Load Regulation 负载调整	-8%	-	+8%	25 ±10 ambient,temperature,230Vac input, load changes from 80% to 100%
Turn-on Delay Time 开机时间	-	-	1.0S	120Vac, 100% load
	-	-	0.5S	230Vac, 100% load

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GENERAL SPECIFICATIONS

Parameter		Min.	Typ.	Max.	Notes
Efficiency 效率 @120Vac		90%	93%	-	25℃±10℃ ambient temperature, 100% load
Efficiency 效率 @230Vac		93%	96%	-	25℃±10℃ ambient temperature, 100% load
Efficiency 效率 @277Vac		93%	96%	-	25℃±10℃ ambient temperature, 100% load
Dielectric Strength 绝缘耐压	L-N/PG	-	1500Vac	-	5mA/60S
	L-N/DIM	-	3000Vac	-	5mA/60S
	DIM/PG		500Vac		5mA/60S
Grounding Resistance 接地电阻		-	-	0．1 q	25A/60S
Insulation Resistance 绝缘电阻		10Mq	-	-	Input-PE, Output-PE, 500Vdc/60S/25℃/70%RH
MTBF 平均故障时间		-	200000Hrs	-	25℃±10℃ ambient temperature, 230Vac,80% load (MIL-HDBK-217F)
Lifetime 寿命/壳温<65度		-	50000Hrs	-	230Vac&100% load,30℃ case temperature, refer to lifetime VS Tc curve for details
Operating Case Ť Ă □ ŷ (Tc)		-40℃	-	+90℃	
Safety shell temperature Ḡ h ˢ □ Tc_s		-40 ł	-	+90 ł	230Vac&100% load,
Storage Temperature 储存温度		-40℃	-	+80℃	Humidity: 5% to 100% RH
Dimensions (D × H)mm 尺寸		ū 1 1×30			
Net Weight 重量		± 15g/PCS			
Package 包装		L360*W320*H250mm; **PCS/Ctn.			
IP等级		IP65			
RoHS		RoHS 2.0 ε EU ζ 2015/863			

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DIMMING

Parameter 参数	Min.最小值	Typ.典型值	Max.最大值	Parameter 参数
0- 10V Absolute Maximum Voltage on the V dim (+) Pin 0-10V ε + ζ Ậ ΰ ω ᵹ ɔ я	-	10V	-	N.A
0- 10V Source Current on V dim(+)Pin 0-10V (+)Ậ ΰ ɔ ⅃	-	0.1mA	0.2mA	N.A
Dimming Output Range ذ ⁎ ɣ	0-10%	-	100%	
Recommended Dimming Range for 0- 10V 0-10V ذ ⁎	0-1V	-	10V	Default 0- 10V/PWM dimming; <0.2V or 4% PWM, Dim to off س ɲ 0-10V ω 0.2V ᾶ ἃ PWM ω 4% ι ذ ϭ ♂ ↑ ỗ
PWM in High Level PWM ⁎ ɔ Ẉ	9.7V	10V	10.3V	
PWM in Low Level PWM Ḥ ɔ Ẉ	0	-	0.3V	
PWM in Frequency Range PWM ḷ ' ɣ	400HZ	-	2KHZ	
PWM in Duty Cycle PWM ị Ⅵ ⅝	0%	-	99%	
Dimming Accuracy ذ ⁎ ⅃ ỷ	-	-	10%	

12V AUX OUTOUT 12V

Parameter 参数	Min.最小值	Typ.典型值	Max.最大值	Notes 备注
Output Current Range (A) 输出电流范围	0mA	-	200mA	
Total Output Current Ripple (pk-pk)输出纹波	-	-	1V	20MHz BW, 100% Load& load is LED, ripple is different with difference LED load
Dynamic Load ʊ ỗ ق ɔ	-	-	-	Please make sure that it matches the LED driver ت ị ̈A Æ ɤ ʊ ỗ ق ɔ ̀H ├ Ỵ ɾ β ɯ ɥ ớ
Output Voltage Range(V) 输出电压范围	11V	12V	14V	

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SAFETY STANDARDS

Safety Category	Country / Territory	Standards 标准	Whether compliance Certification
CCC	China 中国	GB19510. 1, GB19510. 14	Ŷ
CE	Europe 欧洲	EN61347- 1, EN61347-2- 13	Ŷ
		EN62493	-
ENEC		EN62384	-
CB	CB Countries	IEC61347- 1, IEC61347-2- 13	Ŷ
BIS	India 印度	IS 15885(PART 2/SEC 13)	-
UL	USA 美国	UL 8750	Ŷ
CUL	Canada 加拿大	CSA C22.2 No.250. 13	-
KC	South Korea 韩国	K61347- 1, K61347-2- 13	Ŷ
PSE	Japan 日本	J61347- 1, J61347-2- 13	-
SAA	Australia 澳大利亚	AS/NZS IEC 61347.2.13	Ŷ
		AS/NZS 61347. 1	Ŷ

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EMC COMPLIANCE

EMC Category EMC	Country / Territory	Standards	

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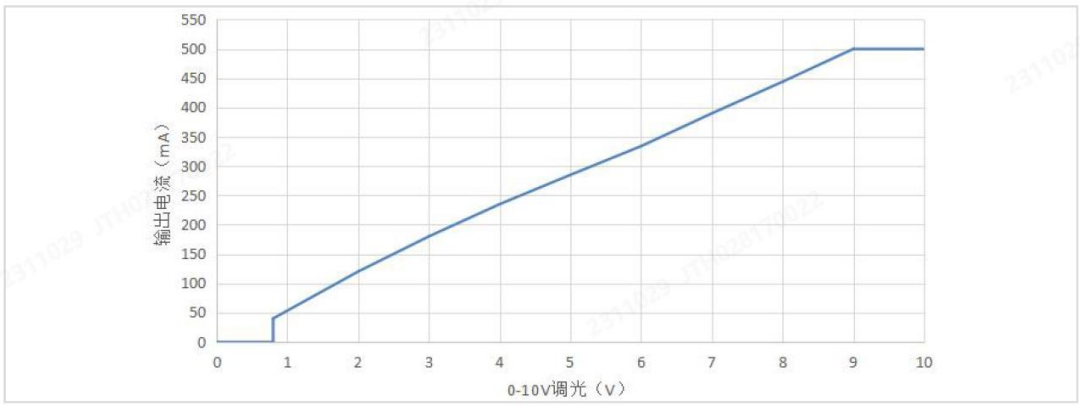
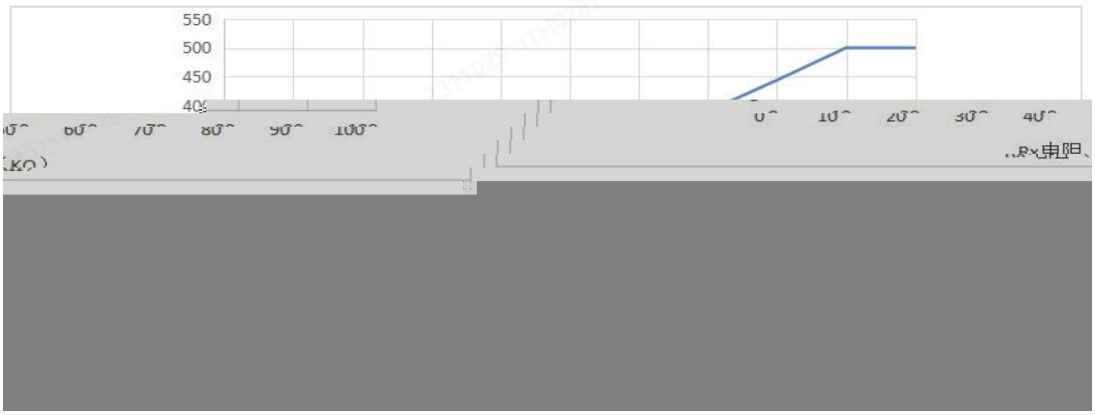
LVED-PRO-120-500x-xxx

Dimming Curve 调光曲线





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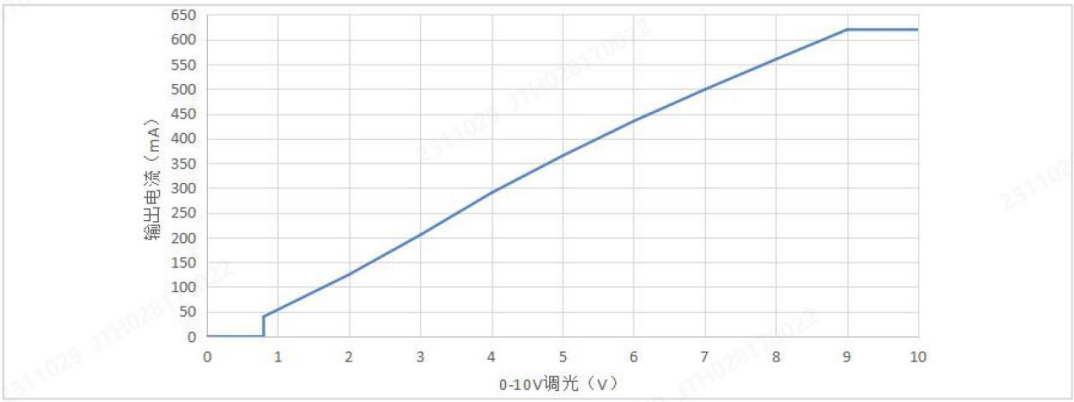
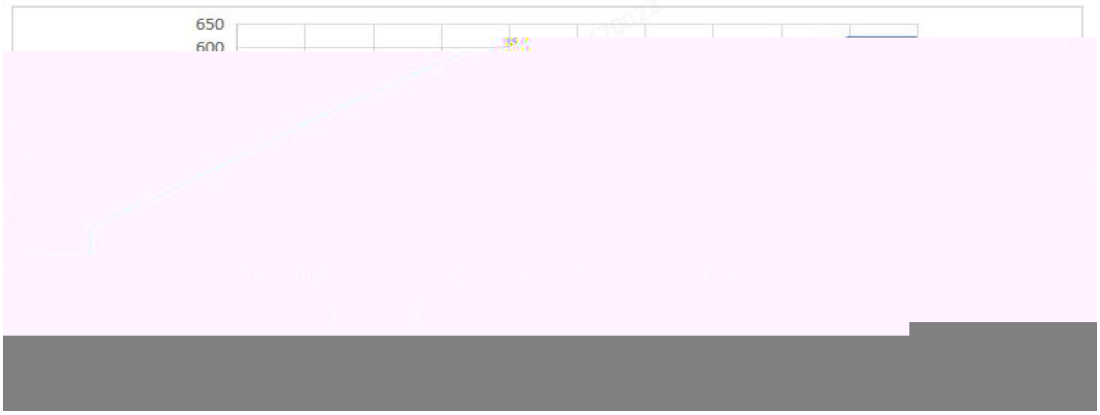
LVED-PRO-150-620x-xxx

Dimming Curve 调光曲线





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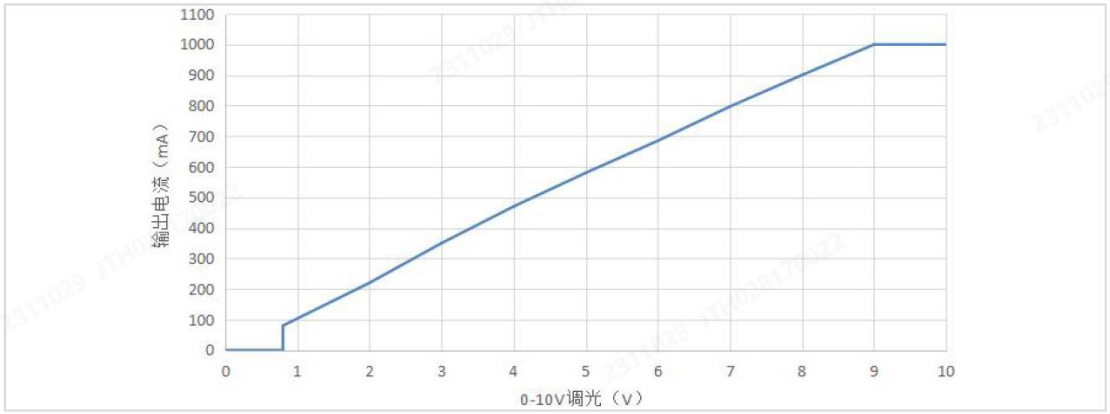
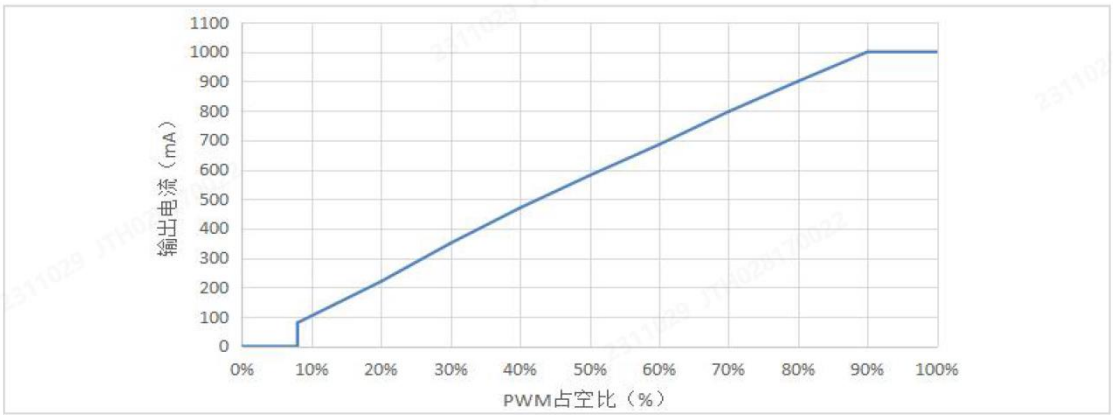
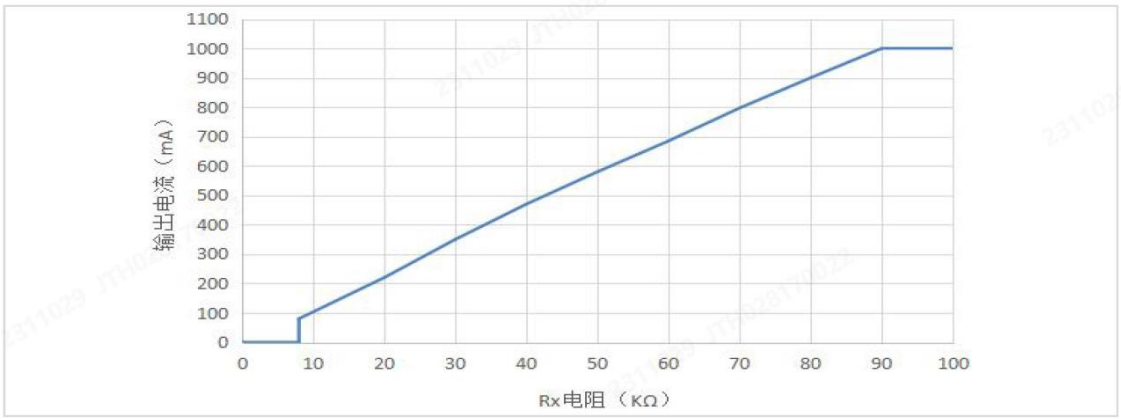
LVED-PRO-240-1000x-xxx

Dimming Curve 调光曲线







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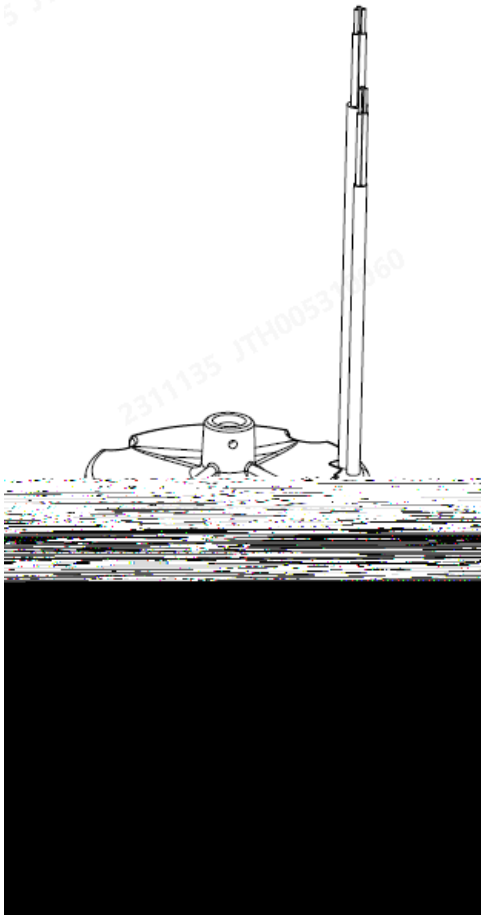
Drawing



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Use Guideline

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