LTSYS

SE-8-100-G1T SE-8-300-G1T SE-8-500-G1T
SE-8-150-G1T SE-8-350-G1T SE-8-550-G1T
SE-8-200-G1T SE-8-400-G1T SE-8-600-G1T
SE-8-250-G1T SE-8-450-G1T SE-8-650-G1T
SE-8-700-G1T

Triac/ELV

Intelligent LED Driver (Constant Current)

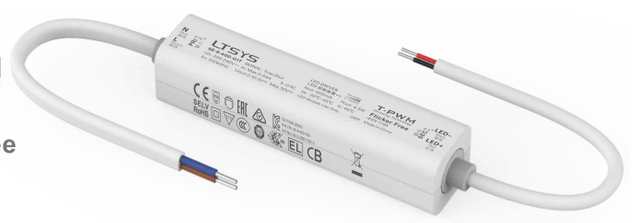
- Housing made from SAMSUNG/COVESTRO's V0 flame retardant PC materials.
- Ultra small, thin and lightweight, screwless end cap design.
- Leading edge (Triac), trailing edge (ELV) phase control dimming.
- Soft-on and fade-in dimming function enhances your visual comfort;
- T-PWM super deep dimming technology, 0.1% dimming depth.
- The whole dimming process is flicker-free with high frequency exemption level;
- Overheat, over voltage, overload, short circuit protection and automatic recovery.
- Suitable for ClassI/II/III indoor light fixtures.
- Normal service life can reach 100,000 hours.
- 5-year warranty (Rubycon capacitor).

DIM

T-PWM
Dimming Technology

Flicker Free
IEEE 1789

Dimmable:
1:1000



SELV RoHS

Overheat Protection | Over voltage protection | Over Load protection | Short circuit protection

Technical Specs

MODEL		SE-8-100-G1T	SE-8-150-G1T	SE-8-200-G1T	SE-8-250-G1T	SE-8-300-G1T	SE-8-350-G1T
FEATURES	Output Type	Constant current					
	Dimming Interface	Triac/ELV					
	Output Feature	Isolation					
	IP Rating	IP50					
	Insulation Glass	Class II (Suitable for class I/ II /III light fixtures)					
OUTPUT	Output Voltage	9-42Vdc	9-42Vdc	9-31Vdc	9-25Vdc	9-21Vdc	2-18Vdc
	Max. Output Voltage(No-load)	≤52Vdc	≤52Vdc	≤52Vdc	≤52Vdc	≤52Vdc	≤30Vdc
	Output Current	100mA	150mA	200mA	250mA	300mA	350mA
	Output Power	Max.4.2W	Max.6.3W	Max.6.2W	Max.6.25W	Max.6.3W	Max.6.3W
	Load Power Range	0.9-4.2W	1.35-6.3W	1.8-6.2W	2.25-6.25W	2.7-6.3W	3.15-6.3W
	Dimming Range	0~100%，Down to 0.1%					
	LF Current Ripple	< 3% (Maximum current for non dimming state)					
	Current Accuracy	±5%					
	PWM Frequency	≤3600Hz					
INPUT	AC Voltage Range	220-240Vac					
	DC Voltage Range	220-240Vdc(EMI evaluation required after luminaire integration)					
	Input Voltage	230Vac					
	Frequency	50/60Hz					
	Input Current	≤0.045A/230Vac					
	Power Factor	PF > 0.9/230Vac (at full load)					
	Efficiency (Typ.)	72%	76%	74%	74%	73%	75%
	Inrush Current	Cold start 10A(Test twidth=300us tested under 50% Ipeak)/230Vac					
	Anti Surge	L-N:1KV					
	Leakage Current	Max.0.5mA					
ENVIRONMENT	Operating Temperature	ta:-20℃~45℃ tc:90℃					
	Working Humidity	20~95%RH，non-condensing					
	Storage Temperature/Humidity	-40~80℃/10~95%RH					
	Temperature Coefficient	±0.03%/℃(-20℃~45℃)					
	Vibration	10~500Hz, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively					
PROTECTION	Overload Protection	Automatically protect the device when the load exceeds 102% of the rated power. Automatically recover once load is reduced					
	Overheat Protection	Intelligently adjust or turn off the current output if the PCB temperature ≥110°C. When the PCB temperature <90°C, automatically recover normal output					
	Overvoltage Protection	Automatically protect the device when voltage exceeds the no-load voltage. It can be recovered automatically					
	Short Circuit Protection	Enter hiccup mode if short circuit occurs, and recover automatically					
SAFETY & EMC	Withstand Voltage	I/P-O/P: 3750Vac					
	Insulation Resistance	I/P-O/P: 100MΩ/500VDC/25℃/70%RH					
	Safety Certifications	CCC	China	GB19510.1，GB19510.14，GB19510.213			
		TUV	Germany	EN61347-1，EN61347-2-13，EN62493			
		CB	CB Member States	IEC61347-1，IEC61347-2-13			
		CE	European Union	EN61347-1，EN61347-2-13，EN62384			
		EAC	Russia	IEC61347-1，IEC61347-2-13			
		RCM	Australia	AS 61347-1，AS 61347-2-13			
		ENEC	Europe	EN61347-1，EN61347-2-13，EN62384			
		KC	Korea	KC61347-1，KC61347-2-13			
	EMC Emission	CCC	China	GB/T17743，GB17625.1			
		CE	European Union	ENIEC55015，ENIEC61000-3-2，EN61000-3-3			
		EAC	Russia	IEC62493，IEC61547，EH55015			
		RCM	Australia	EN55015，EN61000-3-2，EN61000-3-3，EN61547			
		KC	Korea	KN15，KN61547			
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11,EN61547					
ErP	Power Consumption	Networked standby	Standby power consumption without network connection (when the thyristor signal is 0, the power consumption is 0)				
		No-load power consumption	No no-load mode				
	Flicker/Stroboscopic Effect	IEEE1789	Meet IEEE 1789 standard/High frequency exemption level				
		CIE SVM	PstLM≤1.0，SVM≤0.4				
	DF	Phase factor	DF≥0.9				
OTHERS	Weight(N.W.)	50g±5g					
	Dimensions	84x20x20mm(LxWxH)					
	Package size	115x36x26mm(LxWxH)					

Technical Specs

MODEL		SE-8-400-G1T	SE-8-450-G1T	SE-8-500-G1T	SE-8-550-G1T	SE-8-600-G1T	SE-8-650-G1T	SE-8-700-G1T
FEATURES	Output Type	Constant current						
	Dimming Interface	Triac/ELV						
	Output Feature	Isolation						
	IP Rating	IP50						
	Insulation Glass	Class II (Suitable for class I/ II /III light fixtures)						
OUTPUT	Output Voltage	2-15.5Vdc	2-14Vdc	2-12.5Vdc	2-11.5Vdc	2-10.5Vdc	2-9.5Vdc	2-9Vdc
	Max. Output Voltage(No-load)	≤30Vdc	≤30Vdc	≤30Vdc	≤30Vdc	≤30Vdc	≤30Vdc	≤30Vdc
	Output Current	400mA	450mA	500mA	550mA	600mA	650mA	700mA
	Output Power	Max.6.2W	Max.6.3W	Max.6.25W	Max.6.3W	Max.6.3W	Max.6.175W	Max.6.3W
	Load Power Range	0.8-6.2W	0.9-6.3W	1-6.25W	1.1-6.3W	1.2-6.3W	1.3-6.175W	1.4-6.3W
	Dimming Range	0~100%，Down to 0.1%						
	LF Current Ripple	< 3% (Maximum current for non dimming state)						
	Current Accuracy	±5%						
	PWM Frequency	≤3600Hz						
INPUT	AC Voltage Range	220-240Vac						
	DC Voltage Range	220-240Vdc(EMI evaluation required after luminaire integration)						
	Input Voltage	230Vac						
	Frequency	50/60Hz						
	Input Current	≤0.045A/230Vac						
	Power Factor	PF > 0.9/230Vac (at full load)						
	Efficiency (Typ.)	73%	73%	73%	73%	72%	72%	70%
	Inrush Current	Cold start 10A(Test twidth=300us tested under 50% Ipeak)/230Vac						
	Anti Surge	L-N:1KV						
	Leakage Current	Max.0.5mA						
ENVIRONMENT	Operating Temperature	ta:-20°C~45°C tc:90°C						
	Working Humidity	20~95%RH，non-condensing						
	Storage Temperature/Humidity	-40~80°C/10~95%RH						
	Temperature Coefficient	±0.03%/°C(-20°C~45°C)						
	Vibration	10~500Hz, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively						
PROTECTION	Overload Protection	Automatically protect the device when the load exceeds 102% of the rated power. Automatically recover once load is reduced						
	Overheat Protection	Intelligently adjust or turn off the current output if the PCB temperature ≥110°C. When the PCB temperature <90°C, automatically recover normal output						
	Overvoltage Protection	Automatically protect the device when voltage exceeds the no-load voltage. It can be recovered automatically						
	Short Circuit Protection	Enter hiccup mode if short circuit occurs, and recover automatically						
SAFETY & EMC	Withstand Voltage	I/P-O/P: 3750Vac						
	Insulation Resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH						
	Safety Certifications	CCC	China	GB19510.1，GB19510.14，GB19510.213				
		TUV	Germany	EN61347-1，EN61347-2-13，EN62493				
		CB	CB Member States	IEC61347-1，IEC61347-2-13				
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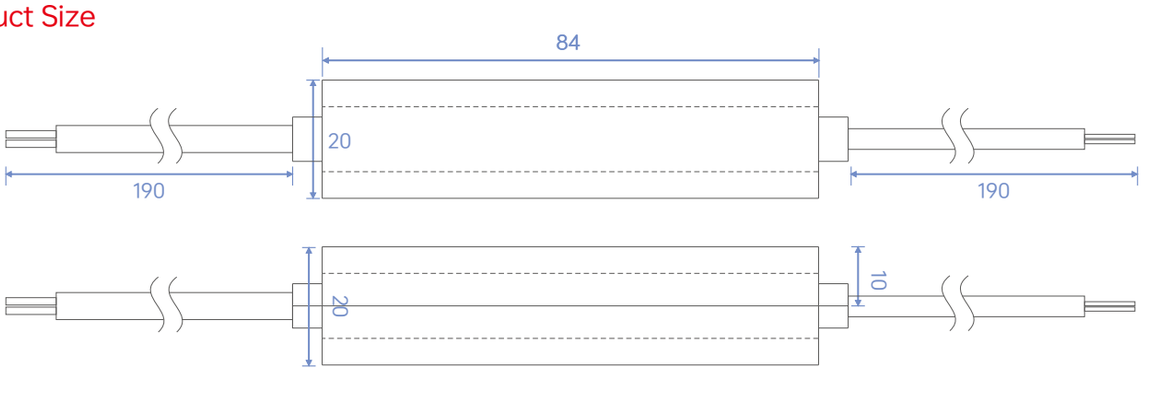
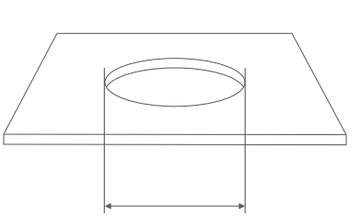
		RCM	Australia	AS 61347-1，AS 61347-2-13				
		ENEC	Europe	EN61347-1，EN61347-2-13，EN62384				
		KC	Korea	KC61347-1，KC61347-2-13				
	EMC Emission	CCC	China	GB/T17743，GB17625.1				
		CE	European Union	ENIEC55015，ENIEC61000-3-2，EN61000-3-3				
		EAC	Russia	IEC62493，IEC61547，EH55015				
		RCM	Australia	EN55015，EN61000-3-2，EN61000-3-3，EN61547				
		KC	Korea	KN15，KN61547				
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11,EN61547						
ErP	Power Consumption	Networked standby		Standby power consumption without network connection (when the thyristor signal is 0, the power consumption is 0)				
		No-load power consumption		No no-load mode				
	Flicker/Stroboscopic Effect	IEEE1789		Meet IEEE 1789 standard/High frequency exemption level				
		CIE SVM		PstLM≤1.0，SVM≤0.4				
	DF	Phase factor		DF≥0.9				
OTHERS	Weight(N.W.)	50g±5g						
	Dimensions	84x20x20mm(LxWxH)						
	Package size	115x36x26mm(LxWxH)						

Product Size

Unit: mm

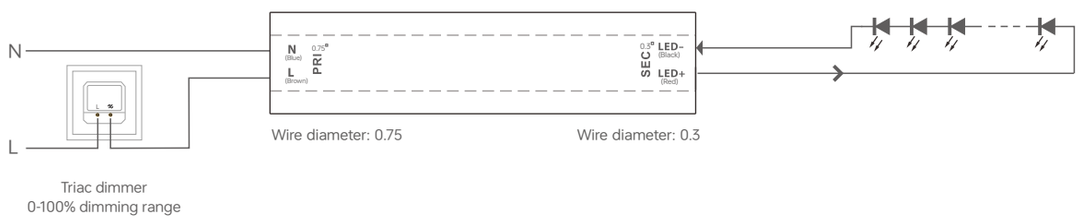




Minimum hole size: ϕ25mm (1")

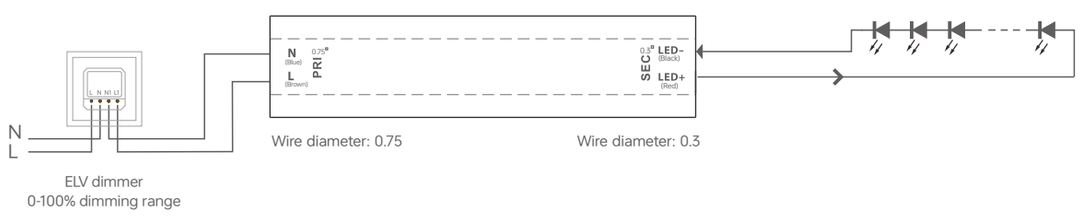
Wiring Diagram

Triac Connection



Triac dimmer
0-100% dimming range

ELV Connection



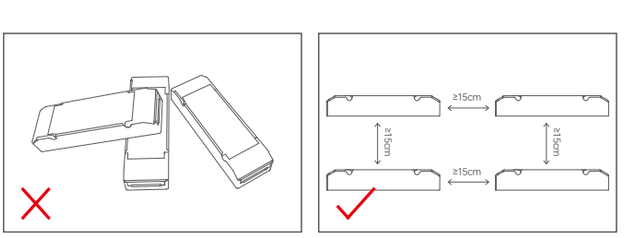
ELV dimmer
0-100% dimming range

Surge Current & Corresponding Miniature Circuit Breaker (MCB) Load Capacity Table

MCB Model	B10	B13	B16	B20	B25	C10	C13	C16	C20	C25	D10	D13	D16	D20	D25
Maximum Load Capacity	20	26	32	40	40	23	30	37	47	58	27	34	42	53	66

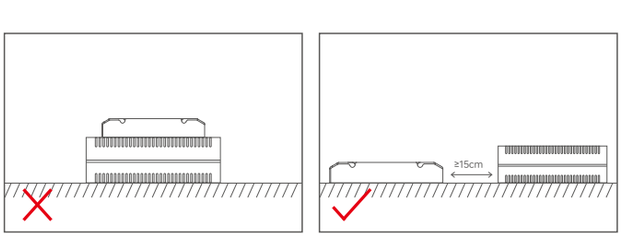
Remarks:
1. Test Conditions: Cold start 10A(Test twidth=300us tested under 50% Ipeak)/230Vac
2.The number of supported drivers may vary depending on the brand and model of the MCB.
3.It is recommended not to exceed the specified load capacity during on-site installation. The actual load should be determined based on field conditions.
4.If the ambient temperature exceeds 30°C or multiple MCBs are installed side by side, the number of installed drivers must be reduced and recalculated accordingly.
5.Electricians typically use Type B MCBs for residential lighting and Type C MCBs for commercial lighting applications.
6.Different testing equipment may yield variations in measured current peaks and pulse widths. Always use professional-grade instruments for accurate testing.

Installation Precautions

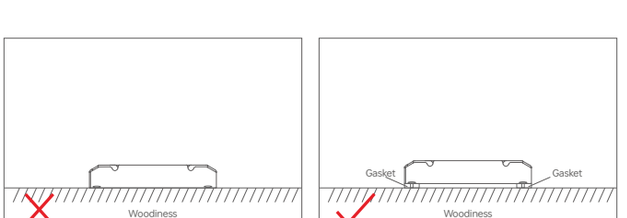


Please do not stack the products. The distance between two products should be ≥15cm so as not to affect heat dissipation and the lifespan of the products.

Note: The installation should be in line with the environmental operating temperature of the product. Do not install it inside the lamp to avoid exceeding the environmental operating temperature of the product, which may affect the product's lifespan.

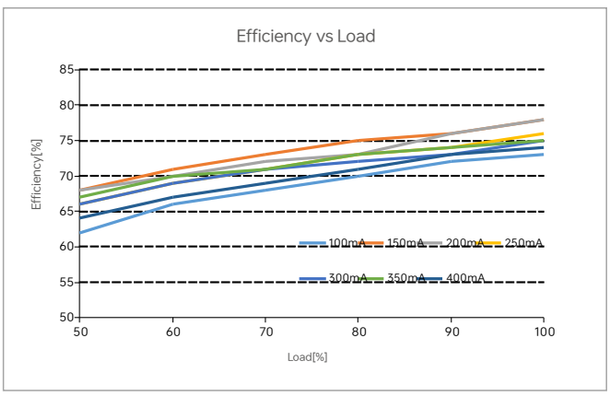


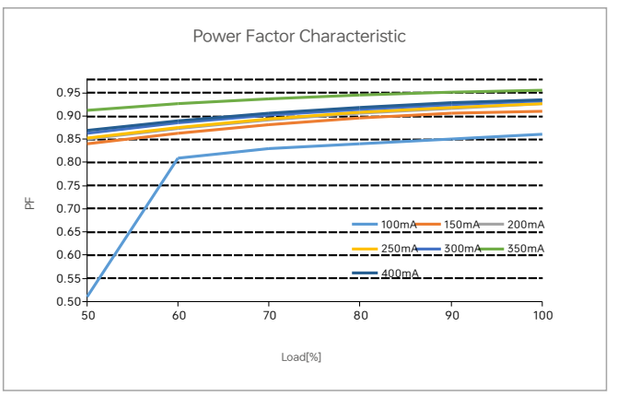
Please not place the products on LED drivers. The distance between the product and the driver should be ≥15cm so as not to affect heat dissipation and shorten the lifespan of the products.

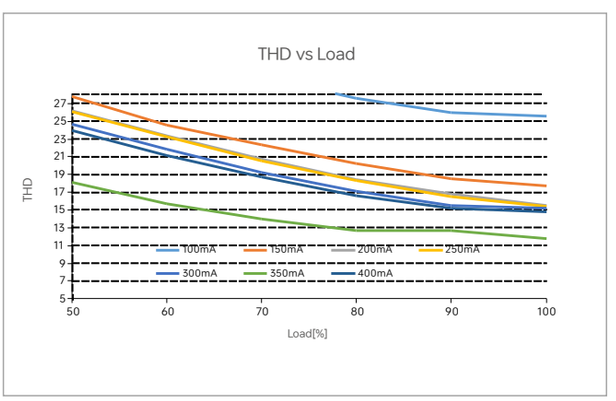


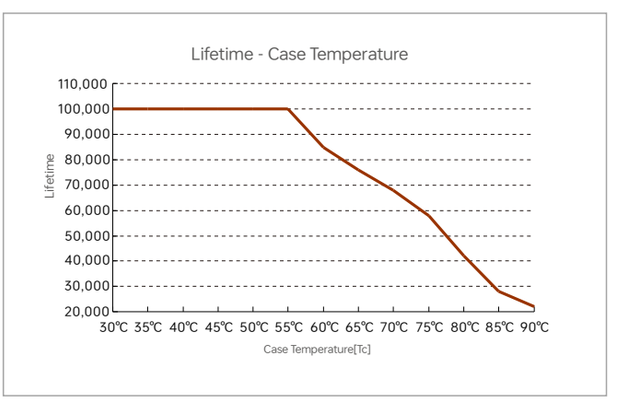
Do not fix the product screws tightly against the wooden board. Instead, add a washer with a thickness of ≥ 7mm under the fixing screws. Leaving some gaps can effectively dissipate heat, preventing any impact on the product's heat dissipation performance and service life.

Relationship Diagrams

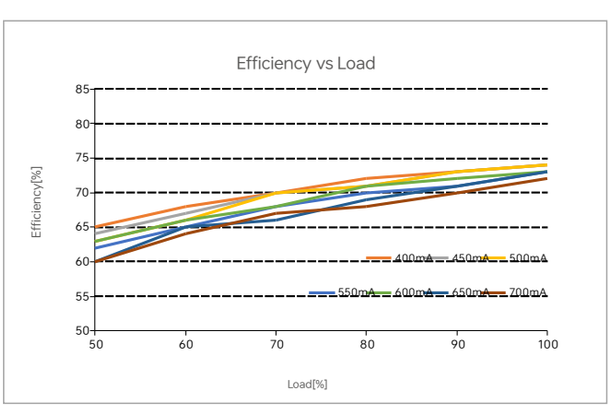


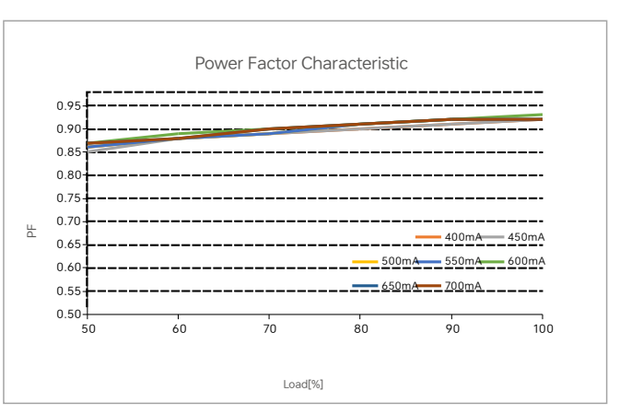


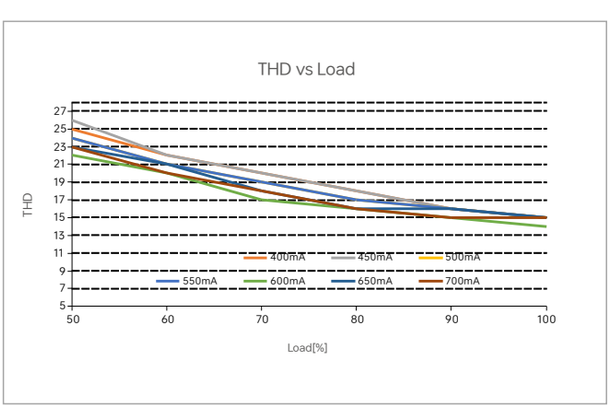


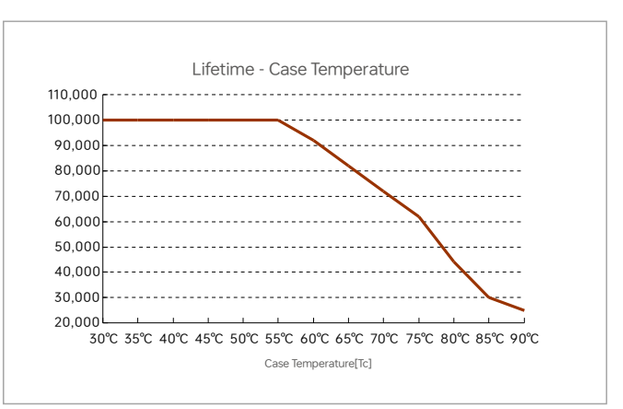


SE-8-100-400-G1T









SE-8-400-700-G1T

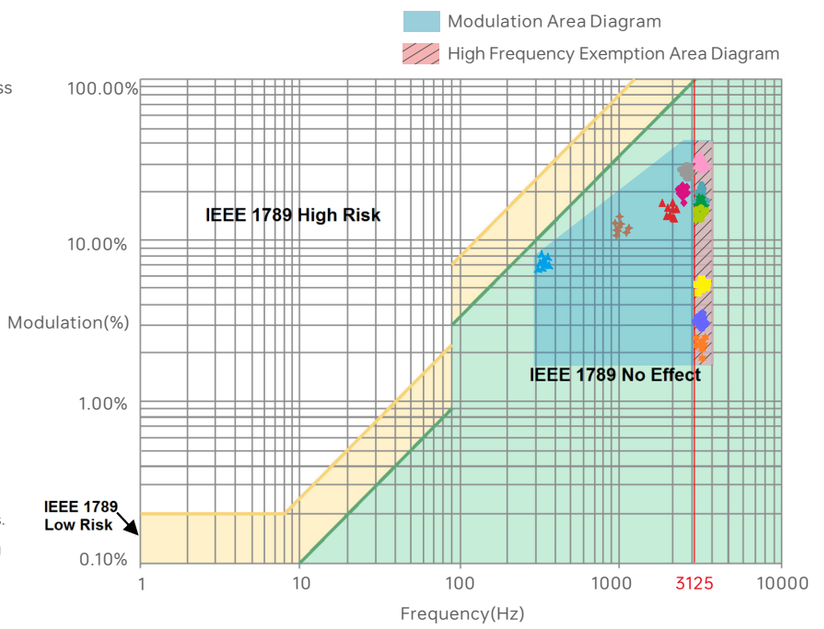
Flicker Test Sheet

IEEE 1789

Limit of modulation in low risk area	
Waveform frequency of optical output	limit (%)
$f \leq 8Hz$	0.2
$8Hz < f \leq 90Hz$	$0.025 \times f$
$90Hz < f \leq 1250Hz$	$0.08 \times f$
$f > 1250Hz$	Exemption assessment
Limit of modulation in no effect area	
Waveform frequency of optical output	limit (%)
$f \leq 10Hz$	0.1
$10Hz < f \leq 90Hz$	$0.01 \times f$
$90Hz < f \leq 3125Hz$	$(0.08/2.5) \times f$
$f > 3125Hz$	Exemption assessment (High frequency exemption)

Brightness

- 0.1%
- 1%
- 5%
- 10%
- 20%
- 30%
- 40%
- 50%
- 60%
- 70%
- 80%
- 90%
- 100%



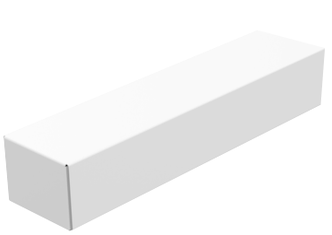
Marks in the right chart were tested results of different current ranges.

The output frequeny is 0Hz in 100% brightness and its corresponding modulation is 0%, which could not be shown in the right chart.

Packaging Specifications

Model	SE-8-(100-700)-G1T
Package size	115×36×26mm(L×W×H)
Carton Dimensions	385×245×160mm(L×W×H)
Quantity	20 PCS/Layer; 5 Layers/Carton; 100 PCS/Carton
Weight	0.055kg/PC;5.5kg/Box

Packaging Image



Inner Packaging Box

Carton Packaging

Transportation and Storage

1. Transportation

Products can be shipped via vehicles, boats and planes.

During transportation, products should be protected from rain and sun. Please avoid severe shock and vibration during the loading and unloading process.

2. Storage

The storage conditions should comply with the Class I Environmental Standards. The products that have been stored for more than six months are recommended to be re-inspected and can be used only after they have been qualified.

Attentions

- This product must be installed and adjusted by a qualified professional.
- This product is non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- Good heat dissipation will extend the life the product. Please install the product in a environment with good ventilation.
- When you install this product, please avoid being near a large area of metal objects or stacking them to prevent signal interference.
- Please keep the product away from a intense magnetic field, a high pressure area or a place where lightning is easy to occur.
- Please check whether the working voltage used complies with the parameter requirements of the product.
- Before you power on the product, please make sure all the wiring is correct in case of incorrect connection that may cause a short circuit and damage the components, or trigger a accident.
- If a fault occurs, please do not attempt to fix the product by yourself. If you have any question, please contact the supplier.

✻ This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.

Warranty Agreement

- Warranty periods from the date of delivery: 5 years.
- Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

- Beyond warranty periods.
- Any artificial damage caused by high voltage, overload, or improper operations.
- Products with severe physical damage.
- Damage caused by natural disasters and force majeure.
- Warranty labels and barcodes have been damaged.
- No any contract signed by LTECH.

1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
2. LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

Update Log

Version	Updated Time	Update Content	Updated by
A0	20250822	Original version	Li Haipeng
A1	20260121	Change silkscreen	Li Haipeng
A2	20260731	Update the product's screen printing and certification labels	Li Haipeng

LTSYS

SE-8-100-G1T SE-8-300-G1T SE-8-500-G1T
SE-8-150-G1T SE-8-350-G1T SE-8-550-G1T
SE-8-200-G1T SE-8-400-G1T SE-8-600-G1T
SE-8-250-G1T SE-8-450-G1T SE-8-650-G1T
SE-8-700-G1T

Triac/ELV

LED智能调光驱动器(恒流型)

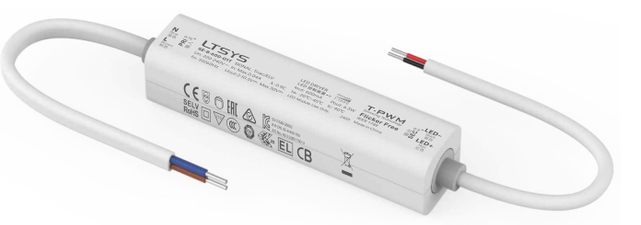
- 外壳采用科思创/三星PC阻燃V0级原料;
- 超小体积、轻薄、免螺丝端盖设计;
- 前沿(Triac)，后沿(ELV)切相调光;
- 带软启动渐亮功能，让人眼视觉更舒服;
- T-PWM 超深度调光技术，调光深度可达0.1%;
- 0-100%全程调光无可视频闪，高频豁免考核级别;
- 过温、过压、过载、短路保护，可自动恢复;
- 适合室内Ⅰ、Ⅱ、Ⅲ类灯具应用;
- 常规使用下寿命可达10万小时;
- 5年保修期（红宝石电容）;

调光

T-PWM
超深度调光技术

无频闪
IEEE1789
高频豁免考核级别

Dimmable:
1:1000



过温保护 过压保护 过载保护 短路保护

技术参数

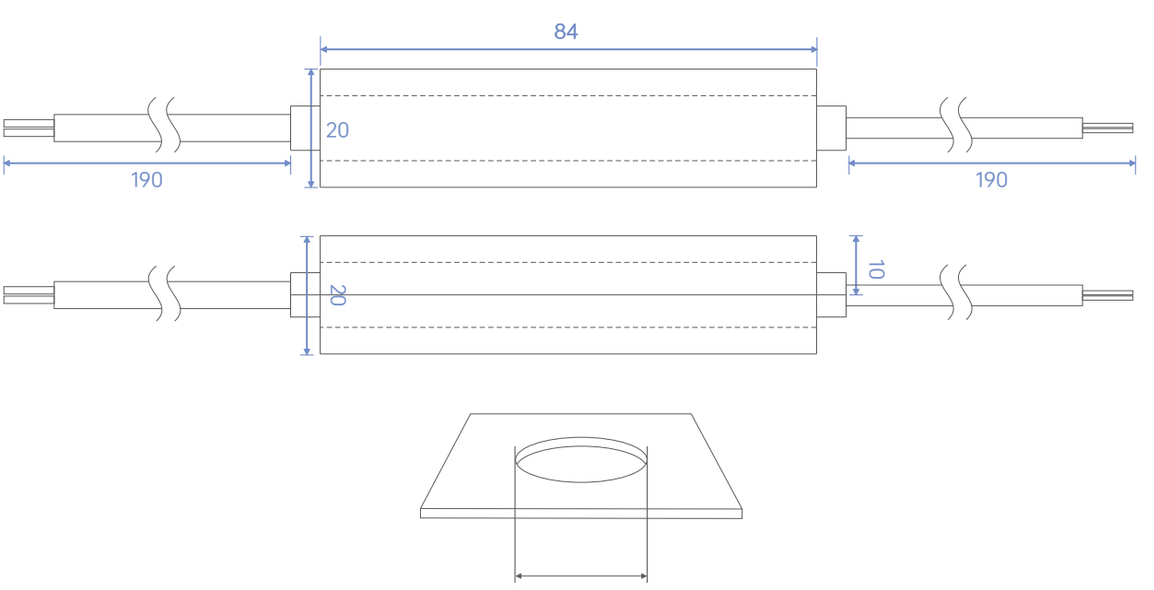
型号		SE-8-100-G1T	SE-8-150-G1T	SE-8-200-G1T	SE-8-250-G1T	SE-8-300-G1T	SE-8-350-G1T
特征	输出类型	恒流					
	调光接口	Triac/ELV					
	输出特征	隔离					
	防护等级	IP50					
	绝缘等级	II类(适用于室内Ⅰ、 Ⅱ、Ⅲ类灯具)					
输出	输出电压	9-42Vdc	9-42Vdc	9-31Vdc	9-25Vdc	9-21Vdc	2-18Vdc
	最大输出电压(空载)	≤52Vdc	≤52Vdc	≤52Vdc	≤52Vdc	≤52Vdc	≤30Vdc
	工作电流	100mA	150mA	200mA	250mA	300mA	350mA
	输出功率	Max.4.2W	Max.6.3W	Max.6.2W	Max.6.25W	Max.6.3W	Max.6.3W
	负载功率范围	0.9-4.2W	1.35-6.3W	1.8-6.2W	2.25-6.25W	2.7-6.3W	3.15-6.3W
	调光范围	0~100%，调光深度:0.1%					
	电流纹波	＜3%（输出最大电流非调光状态）					
	电流精度	±5%					
	PWM调光频率	≤3600Hz					
输入	交流电压范围	220-240Vac					
	直流电压范围	220-240Vdc（EMI需配灯具后评估）					
	额定电压	230Vac					
	频率范围	50/60Hz					
	输入电流	≤0.03A/230Vac	≤0.04A/230Vac				
	功率因数	PF＞0.9/230Vac(满载)					
	效率(Typ.)	72%	76%	74%	74%	73%	75%
	浪涌电流	冷启动10A(在50%Ipeak下测twidth=300us)@230Vac					
	抗浪涌	L-N:1KV					
	漏电流	Max.0.5mA					
环境	工作温度	ta:-20℃~45℃ tc:90℃					
	工作湿度	20~95%RH，无冷凝					
	储存温度/湿度	-40~80℃/10~95%RH					
	温度系数	±0.03%/℃(-20℃~45℃)					
	耐振动	10-500HZ，2G 12分钟/周期，X,Y,Z轴各72分钟					
保护	过载保护	负载超过额定功率≥1.02倍时自动保护，减轻负载自动恢复					
	过温保护	根据PCB温度超标情况(≥110℃)，智能调节电流输出或关闭，可自动恢复；PCB温度＜90℃时，可自动恢复正常输出					
	过压保护	超过空载电压值进入保护，可自行恢复					
	短路保护	输出线路短路进入打嗝模式，可自动恢复					
安规和电磁规格	耐压	输入对输出：3750Vac					
	绝缘阻抗	输入对输出：100MΩ/500VDC/25℃/70%RH					
	安全规范	CCC	中国	GB19510.1，GB19510.14，GB19510.213			
		TUV	德国	EN61347-1，EN61347-2-13，EN62493			
		CB	CB成员国	IEC61347-1，IEC61347-2-13			
		CE	欧盟	EN61347-1，EN61347-2-13，EN62384			
		EAC	俄罗斯	IEC61347-1，IEC61347-2-13			
		RCM	澳洲	AS 61347-1，AS 61347-2-13			
		ENEC	欧洲	EN61347-1，EN61347-2-13，EN62384			
		KC	韩国	KC61347-1，KC61347-2-13			
	电磁兼容发射	CCC	中国	GB/T17743，GB17625.1			
		CE	欧盟	ENIEC55015，ENIEC61000-3-2，EN61000-3-3			
		EAC	俄罗斯	IEC62493，IEC61547，EH55015			
		RCM	澳洲	EN55015，EN61000-3-2，EN61000-3-3，EN61547			
		KC	韩国	KN15，KN61547			
	电磁兼容抗扰度	EN61000-4-2,3,4,5,6,8,11,EN61547					
ErP	功耗	网络待机功耗	无网络待机功耗(可控硅信号为0时，电源功耗为0)				
		空载功耗	无空载模式				
	频闪/频闪效应	IEEE1789	满足无影响/高频豁免考核级别				
		CIE SVM	PstLM≤1.0，SVM≤0.4				
	DF	相位因素	DF≥0.9				
其他	产品重量	50g±5g					
	产品尺寸	84x20x20mm(LxWxH)					
	包装尺寸	115x36x26mm(LxWxH)					

技术参数

型号		SE-8-400-G1T	SE-8-450-G1T	SE-8-500-G1T	SE-8-550-G1T	SE-8-600-G1T	SE-8-650-G1T	SE-8-700-G1T
特征	输出类型	恒流						
	调光接口	Triac/ELV						
	输出特征	隔离						
	防护等级	IP50						
	绝缘等级	II类(适用于室内I、 II、III类灯具)						
输出	输出电压	2-15.5Vdc	2-14Vdc	2-12.5Vdc	2-11.5Vdc	2-10.5Vdc	2-9.5Vdc	2-9Vdc
	最大输出电压(空载)	≤30Vdc	≤30Vdc	≤30Vdc	≤30Vdc	≤30Vdc	≤30Vdc	≤30Vdc
	工作电流	400mA	450mA	500mA	550mA	600mA	650mA	700mA
	输出功率	Max.6.2W	Max.6.3W	Max.6.25W	Max.6.3W	Max.6.3W	Max.6.175W	Max.6.3W
	负载功率范围	0.8-6.2W	0.9-6.3W	1-6.25W	1.1-6.3W	1.2-6.3W	1.3-6.175W	1.4-6.3W
	调光范围	0~100%，调光深度:0.1%						
	电流纹波	＜3%（输出最大电流非调光状态）						
	电流精度	±5%						
	PWM调光频率	≤3600Hz						
输入	交流电压范围	220-240Vac						
	直流电压范围	220-240Vdc（EMI需配灯具后评估）						
	额定电压	230Vac						
	频率范围	50/60Hz						
	输入电流	≤0.04A/230Vac						
	功率因数	PF＞0.9/230Vac(满载)						
	效率(Typ.)	73%	73%	73%	73%	72%	72%	70%
	浪涌电流	冷启动10A(在50%Ipeak下测twidth=300us)@230Vac						
	抗浪涌	L-N:1KV						
	漏电流	Max.0.5mA						
环境	工作温度	ta:-20°C~45°C tc:90°C						
	工作湿度	20~95%RH，无冷凝						
	储存温度/湿度	-40~80°C/10~95%RH						
	温度系数	±0.03%/°C(-20°C~45°C)						
	耐振动	10-500HZ，2G 12分钟/周期，X,Y,Z轴各72分钟						
保护	过载保护	负载超过额定功率≥1.02倍时自动保护，减轻负载自动恢复						
	过温保护	根据PCB温度超标情况(≥110°C)，智能调节电流输出或关闭，可自动恢复；PCB温度＜90°C时，可自动恢复正常输出						
	过压保护	超过空载电压值进入保护，可自行恢复						
	短路保护	输出线路短路进入打嗝模式，可自动恢复						
安规和电磁规格	耐压	输入对输出：3750Vac						
	绝缘阻抗	输入对输出：100MΩ/500VDC/25°C/70%RH						
	安全规范	CCC	中国	GB19510.1，GB19510.14，GB19510.213				
		TUV	德国	EN61347-1，EN61347-2-13，EN62493				
		CB	CB成员国	IEC61347-1，IEC61347-2-13				
		CE	欧盟	EN61347-1，EN61347-2-13，EN62384				
		EAC	俄罗斯	IEC61347-1，IEC61347-2-13				
		RCM	澳洲	AS 61347-1，AS 61347-2-13				
		ENEC	欧洲	EN61347-1，EN61347-2-13，EN62384				
		KC	韩国	KC61347-1，KC61347-2-13				
	电磁兼容发射	CCC	中国	GB/T17743，GB17625.1				
		CE	欧盟	ENIEC55015，ENIEC61000-3-2，EN61000-3-3				
		EAC	俄罗斯	IEC62493，IEC61547，EH55015				
		RCM	澳洲	EN55015，EN61000-3-2，EN61000-3-3，EN61547				
		KC	韩国	KN15，KN61547				
	电磁兼容抗扰度	EN61000-4-2,3,4,5,6,8,11,EN61547						
ErP	功耗	网络待机功耗	无网络待机功耗(可控硅信号为0时，电源功耗为0)					
		空载功耗	无空载模式					
	频闪/频闪效应	IEEE1789	满足无影响/高频豁免考核级别					
		CIE SVM	PstLM≤1.0，SVM≤0.4					
其他	产品重量	50g±5g						
	产品尺寸	84x20x20mm(LxWxH)						
	包装尺寸	115x36x26mm(LxWxH)						

尺寸图

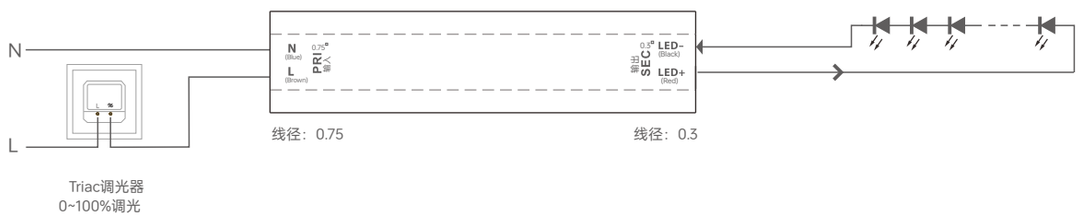
单位:mm



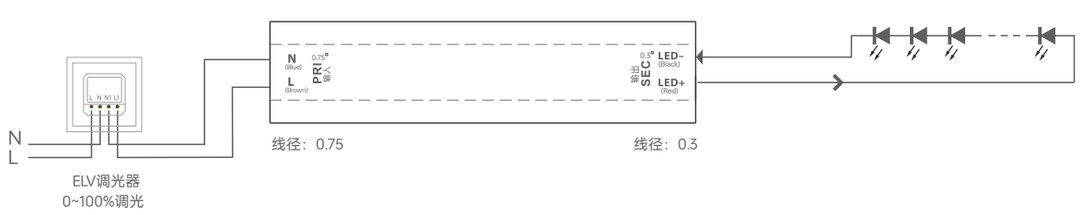
最小开孔尺寸:φ25mm(1")

连接应用图

Triac连接方式



ELV连接方式

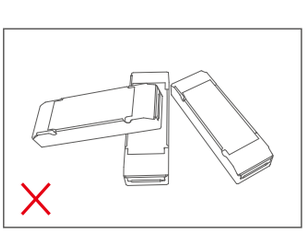


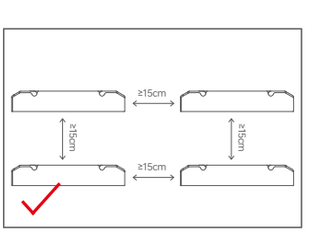
浪涌电流&对应的微型断路器(MCB)下挂载的数量对应表

微型断路器型号	B10	B13	B16	B20	B25	C10	C13	C16	C20	C25	D10	D13	D16	D20	D25
最大带载数量	20	26	32	40	40	23	30	37	47	58	27	34	42	53	66

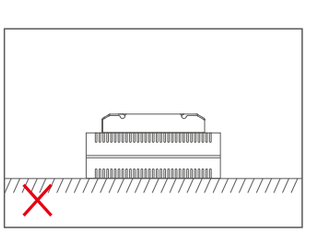
备注：
1. 本数据测试条件：冷启动10A(在50%Ipeak下测twidth=300us)@230Vac；
2. 对于不同品牌和型号的微型断路器，驱动器的数量会有所不同；
3. 现场安装时建议不要超过上述数量，具体负载量以现场安装为准；
4. 当微型断路器的安装环境温度超过30℃或多个微型断路器并排安装时，安装的驱动器数量将减少，这需要重新计算；
5. 电工通常考虑将B型MCB用于家用照明，将C型MCB用于商业照明；
6. 不同仪器设备测试出来的电流峰值和脉冲宽度有差异，请使用专业仪器设备测试；

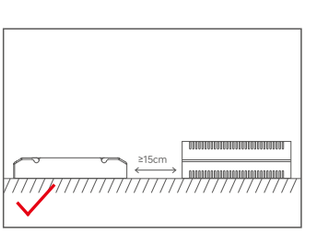
安装注意事项





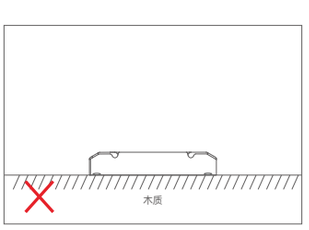
请勿将产品堆叠摆放，产品与产品间隔距离应≥15cm，避免影响产品散热和使用寿命。

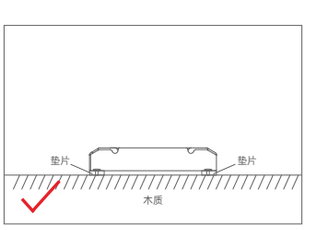




请勿将产品置于电源上面，与电源间隔距离应≥15cm，避免影响产品散热而减少使用寿命。

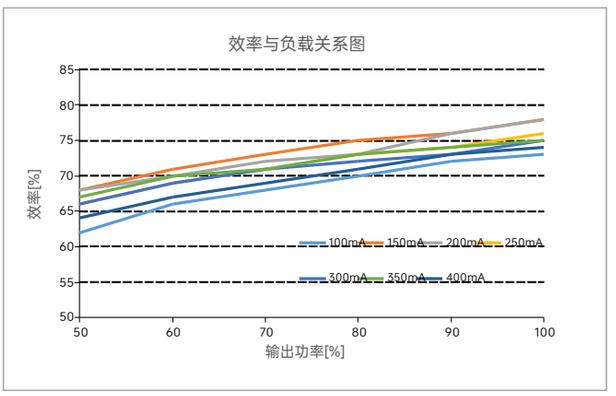
注：安装需符合产品的环境工作温度，切勿安装到灯具内部，以免超出产品环境工作温度影响产品寿命。

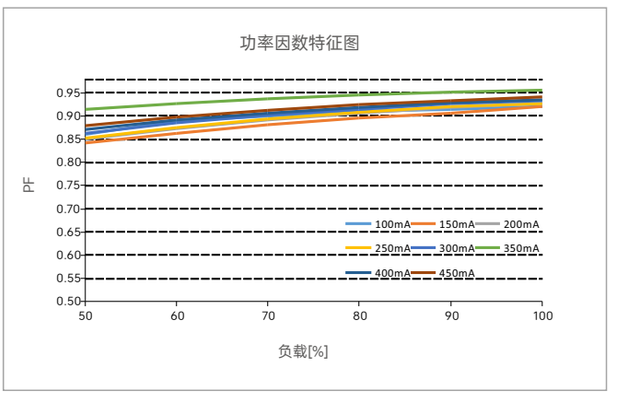


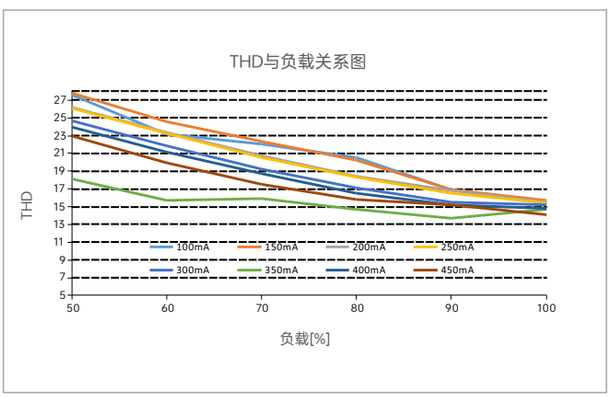


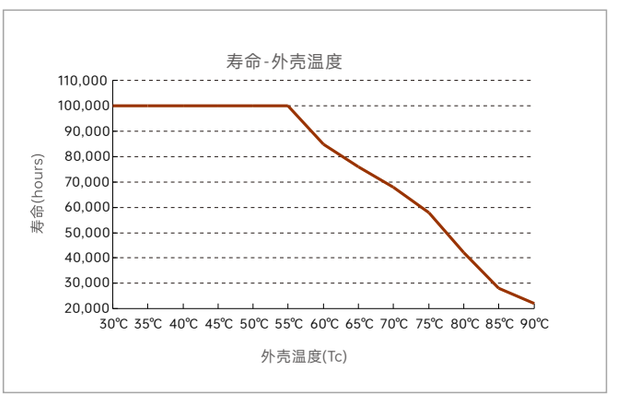
请勿将产品螺丝固定紧贴于木板，应在固定螺丝下增加≥7mm的垫片，留点空隙可以有效散热，避免影响产品散热和使用寿命。

关系图表

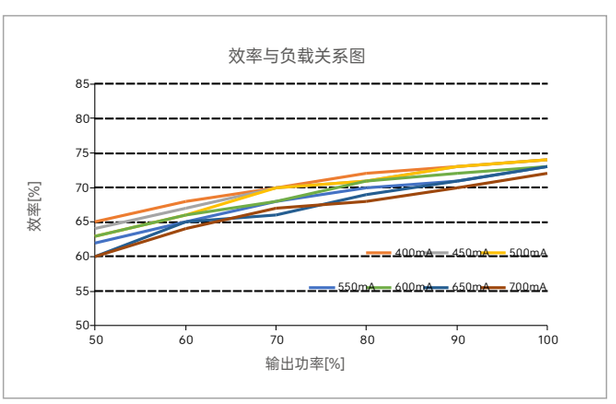


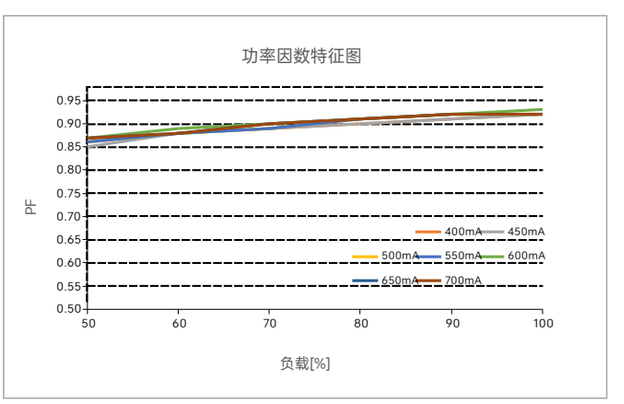


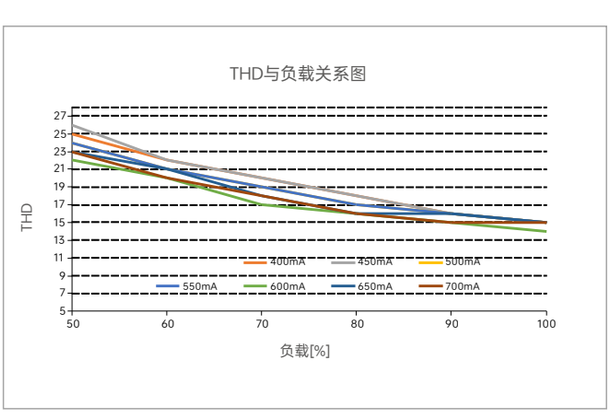


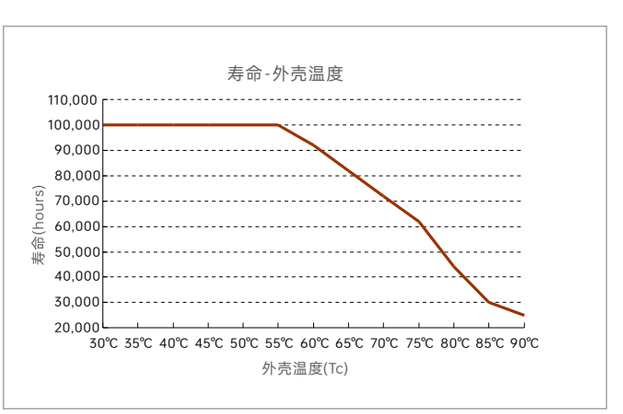


SE-8-(100-400)-G1T









SE-8-(400-700)-G1T

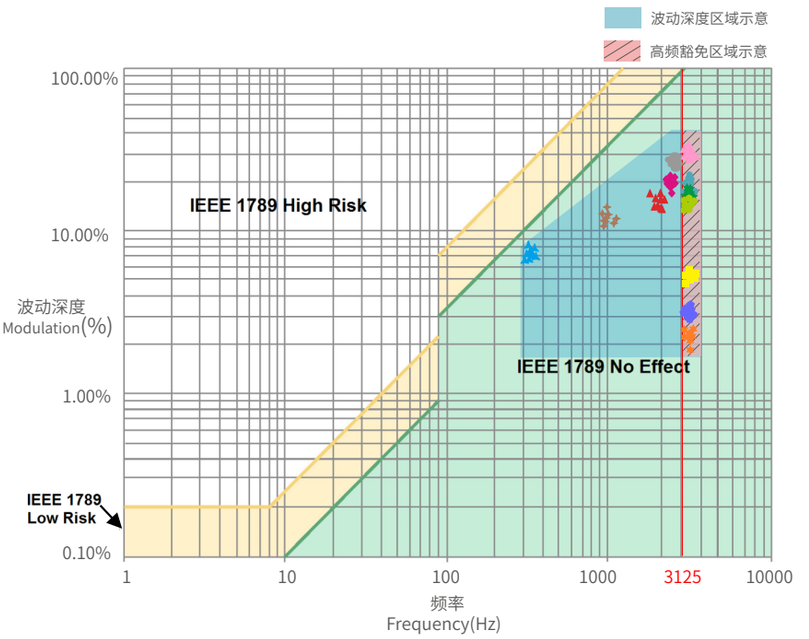
频闪测试表

IEEE1789

低风险区域(LowRisk)的波动深度(Modulation)限值	
光输出波形频率 f	限值(%)
f ≤8Hz	0.2
8Hz< f ≤90Hz	0.025× f
90Hz< f ≤1250Hz	0.08× f
f >1250Hz	免除考核
无风险区域(NoEffect)的波动深度(Modulation)限值	
光输出波形频率 f	限值(%)
f ≤10Hz	0.1
10Hz< f ≤90Hz	0.01× f
90Hz< f ≤3125Hz	(0.08/2.5)× f
f >3125Hz	免除考核(高频豁免)

亮度

- 0.1%
- 1%
- 5%
- 10%
- 20%
- 30%
- 40%
- 50%
- 60%
- 70%
- 80%
- 90%
- 100%



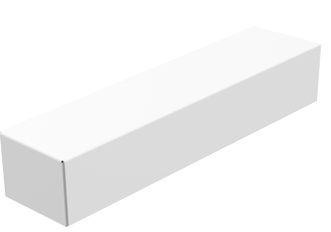
右图标识为不同电流档的测试结果。

100%亮度时输出频率为0Hz，对应波动深度为0%，无法在右图中示意。

包装规格

型号	SE-8-(100-700)-G1T
包装尺寸	115×36×26mm(L×W×H)
包装箱尺寸	385×245×160mm(L×W×H)
数量	20PCS/层；5层/箱；100PCS/箱
重量	0.055kg/PC;5.5kg/箱

包装样式图



内包装盒

整箱包装

运输和贮存

1.运输

产品适用车、船、飞机交通运输工具运输。

在运输中，应使用遮蓬进行防雨和防晒，并保持文明装卸，不应有剧烈振动、撞击等。

2.贮存

贮存符合I类环境的规定。贮存期限超过6个月的产品建议重新检验，合格后方可使用。

注意事项

- 本产品本产品请由具有专业资格的人员进行调试安装；
- 本产品(专有型号除外)不能防水，需避免日晒雨淋。如安装在户外，请使用防水箱；
- 良好的散热条件会延长产品的使用寿命，请把产品安装在通风良好的环境；
- 安装时，避免靠近大面积金属物体，或堆叠摆放，以免信号干扰影响使用；
- 避免安装在雷区、强磁场和高压区域；
- 请检查使用的工作电压是否符合产品的参数要求；
- 通电调试前，确保所有接线正确且牢固，以免短路损坏部件，触发事故；
- 如果发生故障，请勿私自维修；如果有疑问，请联系供应商。

＊ 本说明书的内容如有变更，恕不另行通知。若内容与您使用的功能有所不同，则以实物为准。如有疑问，欢迎向我司授权的经销商咨询。

保修条例

- 自出厂之日起保修服务期为5年。
- 在保修服务期内出现产品质量问题雷特将给予免费修理或更换服务。

无保修条例:

属下列情况不在免费保修或更换服务范围之内:

- 已经超出保修服务期;
- 过高电压、超负载、操作不当等行为造成的损坏;
- 产品外形严重损坏或变形;
- 自然灾害以及人力不可抗拒原因造成的损坏;
- 产品保修标签和产品唯一条形码损坏;
- 无雷特签订的合同或发票凭证。

1.修理或更换是雷特对客户的唯一补救措施。雷特不承担任何附带引起的损害赔偿责任,除非在适用法律范围之内。

2.雷特享有修正或调整本保修条款的权利,并以书面形式发布为准。

更新日志

版本	更改日期	更改内容	更改人
A0	20250307	正稿	黎海鹏
A1	20260121	更改丝印	黎海鹏
A2	20260731	更新产品丝印和认证标识	黎海鹏