

Intelligent LED Driver (Constant Current)

- Housing made from SAMSUNG/COVESTRO's V0 flame retardant PC materials.
- Ultra small, thin and lightweight, screwless end cap.
- Change the output current, DALI address and other parameters via the APP.
- Set the DALI group and scene in the advanced DALI template via the APP.
- Adjustable output current with 1mA step.
- Soft-on and fade-in dimming function enhances your visual comfort. • T-PWM[™] super deep dimming technology, 0.01% dimming depth.
- The whole dimming process is flicker-free with high frequency exemption level.
- Comply with the EU's ErP Directive, networked standby<0.5W.
- When there is no load, the output will be OV to prevent damage to LEDs due to poor contact.
- Overheat, over voltage, overload, short circuit protection and automatic recovery.
- Suitable for Class | / || / ||| indoor light fixtures.
- Normal service life can reach 100,000 hours.
- 5-year warranty (Rubycon capacitor).





Dimmable: 10000 : 1





Technical Specs

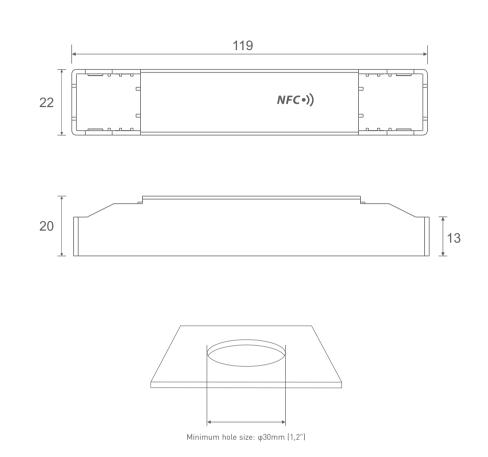
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Weight(N.W.) S0g±5g OTHERS	ErP	Flicker/Stroboscopic Effect								
OTHERS Weight(N.W.) 50g±5g										
OTHERS					Pst LM≤1.0, S\	M≼1.0, SVM≼0.4				
Dimensions 119×22×20mm(L×W×H)	OTHERS		50g±5g							
		Dimensions	119×22×20mm(L×W×H)							



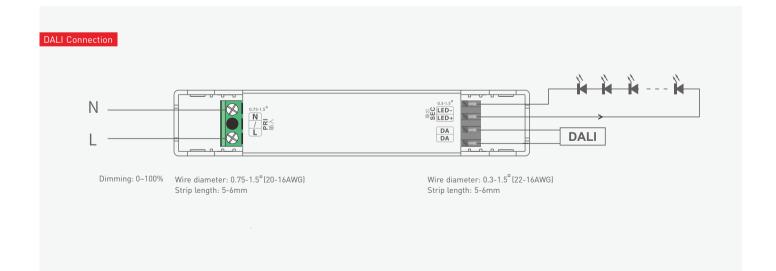


Product Size

Unit: mm



Wiring Diagram







Current and Parameters Sheet

The typical 8 current dat	a sets below are for reference when selecting LED fixture models. More current levels can be set by NFC using mobile APP with 100-450mA adjustable in 1mA step								
	Output Current	ent 100mA 150mA 200mA		250mA	300mA	350mA	400mA	450mA	
SE-6-100-450-G1D	Output Voltage	9-42Vdc	9-42Vdc	9-31Vdc	9-25Vdc	9-21Vdc	9-18Vdc	9-15Vdc	9-14Vdc
	Output Power	0.9-4.2W	1.35-6.3W	1.8-6.2W	2.25-6.25W	2.7-6.3W	3.15-6.3W	3.6-6W	4.05-6.3W

The typical 8 current da	ta sets below are fo	or reference when	selecting LED fixtu	ıre models. More c	urrent levels can b	e set by NFC using	mobile APP with	350-700mA adjusta	able in 1mA step
	Output Current	350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA
SE-6-350-700-G1D	Output Voltage	2-18Vdc	2-15Vdc	2-14Vdc	2-12Vdc	2-11Vdc	2-10Vdc	2-9Vdc	2-9Vdc
	Output Power	0.7-6.3W	0.8-6W	0.9-6.3W	1-6W	1.1-6.05W	1.2-6W	1.3-5.85W	1.4-6.3W

Protective Housing Application Diagram





 Use a tool to pry up the protective housing on the side panel.

2.Use a screwdriver to wire according to the wiring diagram.

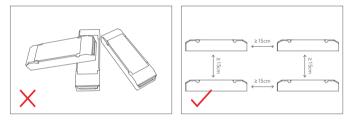




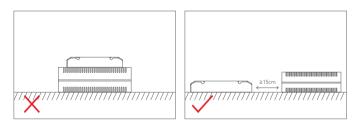
4. Press down the tension plate to fix the the electrical wires.

5. Close the protective housing.

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.



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.

Note: The temperature within the installation area should be within the working temperature range of the products. Please do not install products inside LED fixtures to avoid temperature exceeding the working temperature that may affect the product lifetime.





Use the NFC Lighting APP

Scan the QR code below with your mobile phone and follow the prompts to complete the APP installation (According to performance requirements, you need to use a NFC-capable Android phone, or an iphone 8 and later that are compatible with iOS 13 or higher).



* Before you begin setting the parameters of the driver, please make sure the driver is powered off.

Read/Write the LED driver

Use your NFC-capable phone to read LED driver data, then edit the parameters and they can be directly written to the driver.

1. Read the LED driver

On the APP home page, click [Read/Write LED driver], then keep the programmer's sensing area close to the NFC logo of the driver to read the driver parameters.

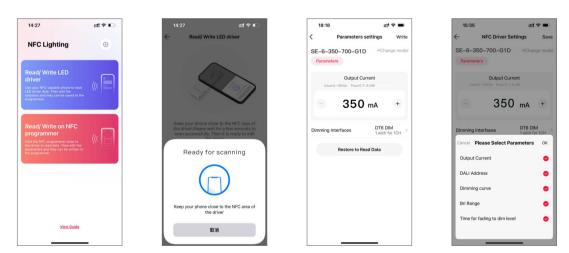


2. Edit the parameters

Click [Parameter settings] to edit the advanced parameters, like output current, DALI address, dimming curve, advanced DALI template, etc.

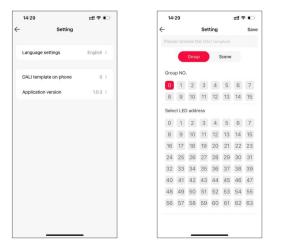
3. Write to the driver

After completing the parameter settings, click [Write] in the upper right corner, and keep the programmer's sensing area close to the NFC logo of the driver, so the parameters can be written to the driver.



Advanced DALI template

Integrate the functions of the DALI lighting system, edit the DALI group and lighting effects for scenes, then save them in the advanced template to achieve lighting programming. Setup page (for Read/Write LED driver) : Go to App home page - [③] icon in the top right - [DALI template on pnone].



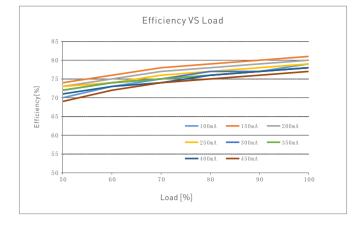
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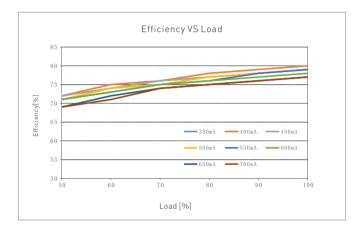


Relationship Diagrams

LTECH



SE-6-100-450-G1D

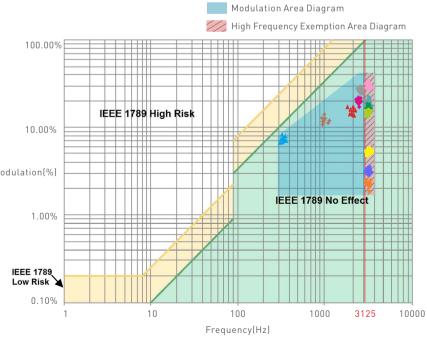


SE-6-350-700-G1D

Flicker Test Sheet

	IEEE 1789	Brightne	ss 100.00%		
Limit of modulation in	low risk area	人 0.1%			
/aveform frequency of optical output	limit (%)	+ 1%			
f ≤ 8Hz	0.2	a 5%			
8Hz < <i>f</i> ≤ 90Hz	0.025 × f	10%			
90Hz < <i>f</i> ≼ 1250Hz	0.08 × f	• 20%		IFFF 17	89 High Ri
f > 1250Hz	Exemption assessment	A 30%	10.00%		, and the second s
Limit of modulation in	no effect area	40%	10.00%		
veform frequency of optical output	limit (%)	50%			
<i>f</i> ≤ 10Hz	0.1	60%			++++-
10Hz < <i>f</i> ≤ 90Hz	0.01 × f	70%	Modulation(%)		
90Hz < <i>f</i> ≼ 3125Hz	(0.08/2.5) × f	80%			
f > 3125Hz	Exemption assessment (High frequency exemption)	₹ 90% ♦ 100%			
		▼ 100 /8	1.00%		

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-6-100-450-G1D/SE-6-350-700-G1D
Carton Dimensions	305×255×140mm(L×W×H)
Quantity	20 PCS/Layer; 5 Layers/Carton; 100 PCS/Carton
Weight	0.05 kg/PC; 5.0 kg±5%/Carton

Packaging Image

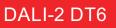


Inner Packaging Box



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
AO	20230717	Original version	Yang Weiling