DALI Dimmable driver constant voltage Series 180W 200W

■ Features:

-Output constant voltage
·Range 100-265VAC
·Built-in active PFC function
·Efficiency 90%
·Protections: short circuit/over load/ over current/ over temperature
·Cooling by free air convection
·IP66 design for indoor or outdoor installation .
·Dimming function: Built in DALI interface dimming function conform to DALI Protocol IEC62386
·Dimming range from 0.1% to 100%
·Suitable for intelligent LED lighting
·Compliance to worldwide safety regulations for lighting
·Suitable for dry/damp/wet locations

CE IP66 SELV

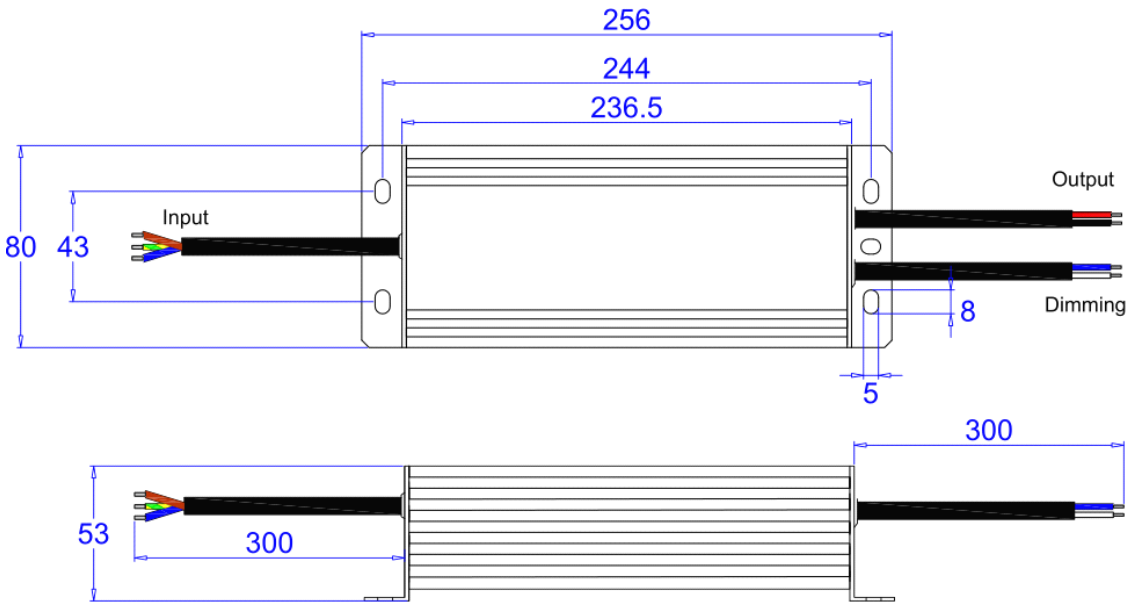
Specification

Model		KV-12180-DA	KV-24200-DA	KV-36200-DA	KV-48200-DA
Output	DC Voltage	12V	24V	36V	48V
	Voltage Tolerance	±3%			
	Rated current	0～15A	0～8.33A	0～5.56A	0～4.16A
	Rated power	180W	200W	200W	200W
Input	Voltage Range	100-265VAC			
	Frequency Range	47～63HZ			
	Power Factor(Typ.)	PF≧0.99/220V			
	Full Load Efficiency(Typ.)	87%	89%	90%	90%
	AC Current(Typ.)	1.06A/220VAC	1.03A/220VAC	1.02A/220VAC	1.02A/220VAC
	Leakage current	＜0.7mA/220VAC			
Protection	Short Circuit	Protection type: Hiccup mode, recovers automatically after fault condition is removed			
	Over Load	≦120%			

Date Sheet :September 22nd,2014
Subject to change without notice

	Over Current	≦1.4*Iout
	Over temperature	100℃±10℃ shut down o/p voltage, re-power on to recover
Environment	Working TEMP.	-40～+60℃
	Working Humidity	20～95%RH,non-condensing
	Storage TEM., Humidity	-40～+80℃，10～95%RH
	TEMP. coefficient	±0.03%/℃（0～50℃）
	Vibration	10～500Hz，5G 12min./1 cycle，period for 72min.each along X,Y,Z axes
Safety & EMC	Safety standards	EN61347-1 EN61347-2-13 IP66
	Withstand voltage	I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC
	Isolation resistance	I/P-O/P I/P-FG O/P-FG：100MΩ/500VDC/25℃/70%RH
	EMC EMISSION	Compliance toEN55015,EN61000-3-2 (≧50%load)
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6 ,11,EN61547,A light industry level （surge4KV）
Others	Weight	1.8Kg
	Size	256*80*53mm（L*W*H）
	packing	440*295*145mm/8pcs/CTN 265*98*55 mm for inner box
Notes	1. All parameters NOT specially mentioned are measured at 220VAC input , rated load and 25℃of ambient temperature. 2.Tolerance:includes set us tolerance ,line regulation and load regulation . 3.The power supply is considered as a component that will be operated in combination with final Equipment. Since EMC performance will be affected by the complete installation, the final equipment manufactures must be-qualify EMC Directive on the complete installation again.	

■ Mechanical Specification



※Input Rubber cable H03VV-F 3G 1.0mm²,the green/yellow cable connect with (FG) ,Brown with AC (L),Blue with AC(N)

※Signal Rubber cable H03VV-F 2 0.75mm²,Blue is（DA1）,White is（DA2）DALI Non polar！Connected to the BUS of the DALI Master.

※Output rubber cable H03VV-F 2 1.0mm²,Red is output（V+）Positive, Black is output（V-）negative. Connected to LED Lamps.

Please make sure you connect these correctly otherwise your product will not function correctly and could be damaged.

※Note: Any other requests we can customized.

■Dimming Operation

※Connect the Dali signal line to the Dali bus of the controller (the Dali Master).

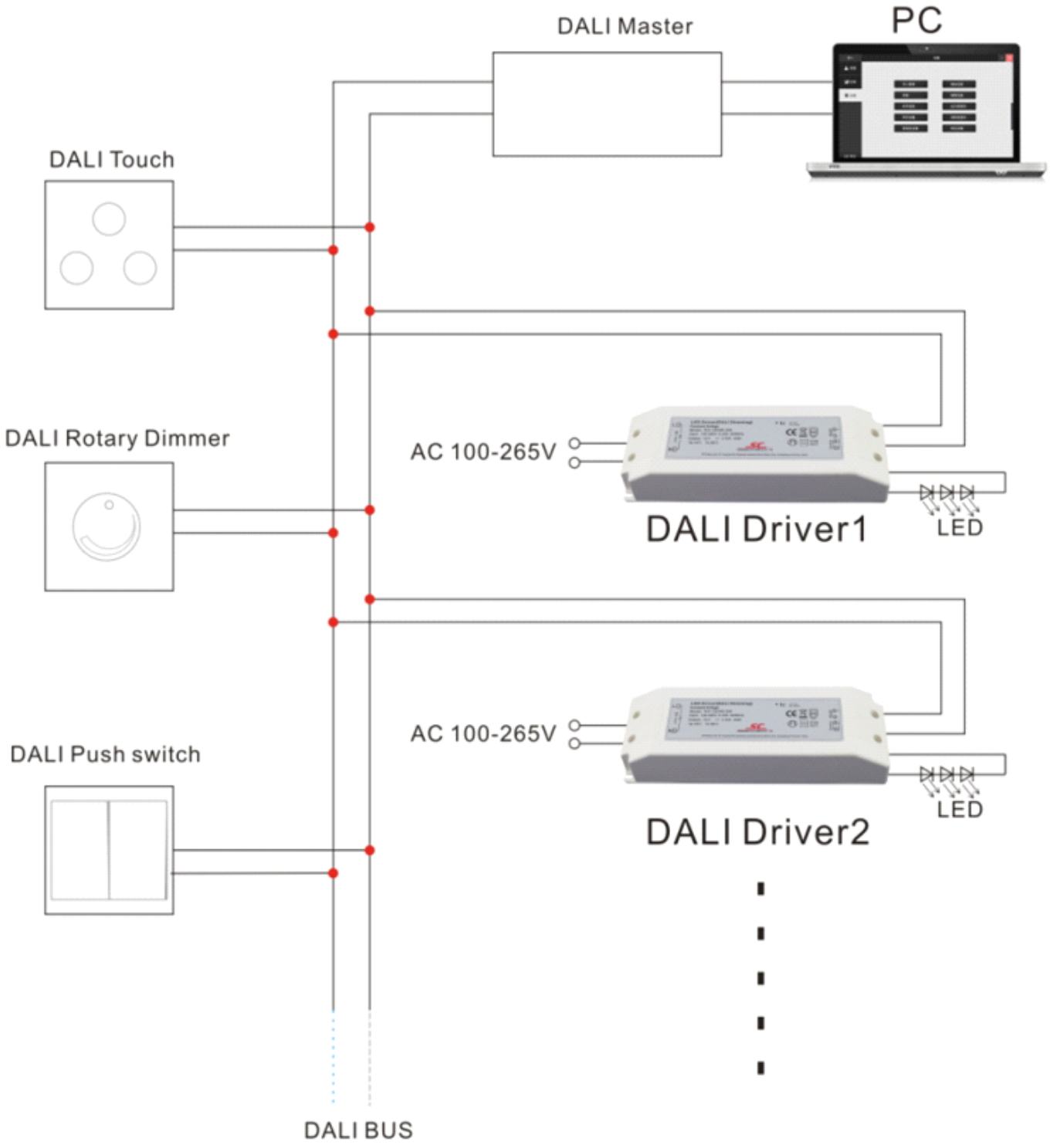
After Dali Master scanning and address assignment, the driver can be successfully dimmed.

Please refer to Diagram 1

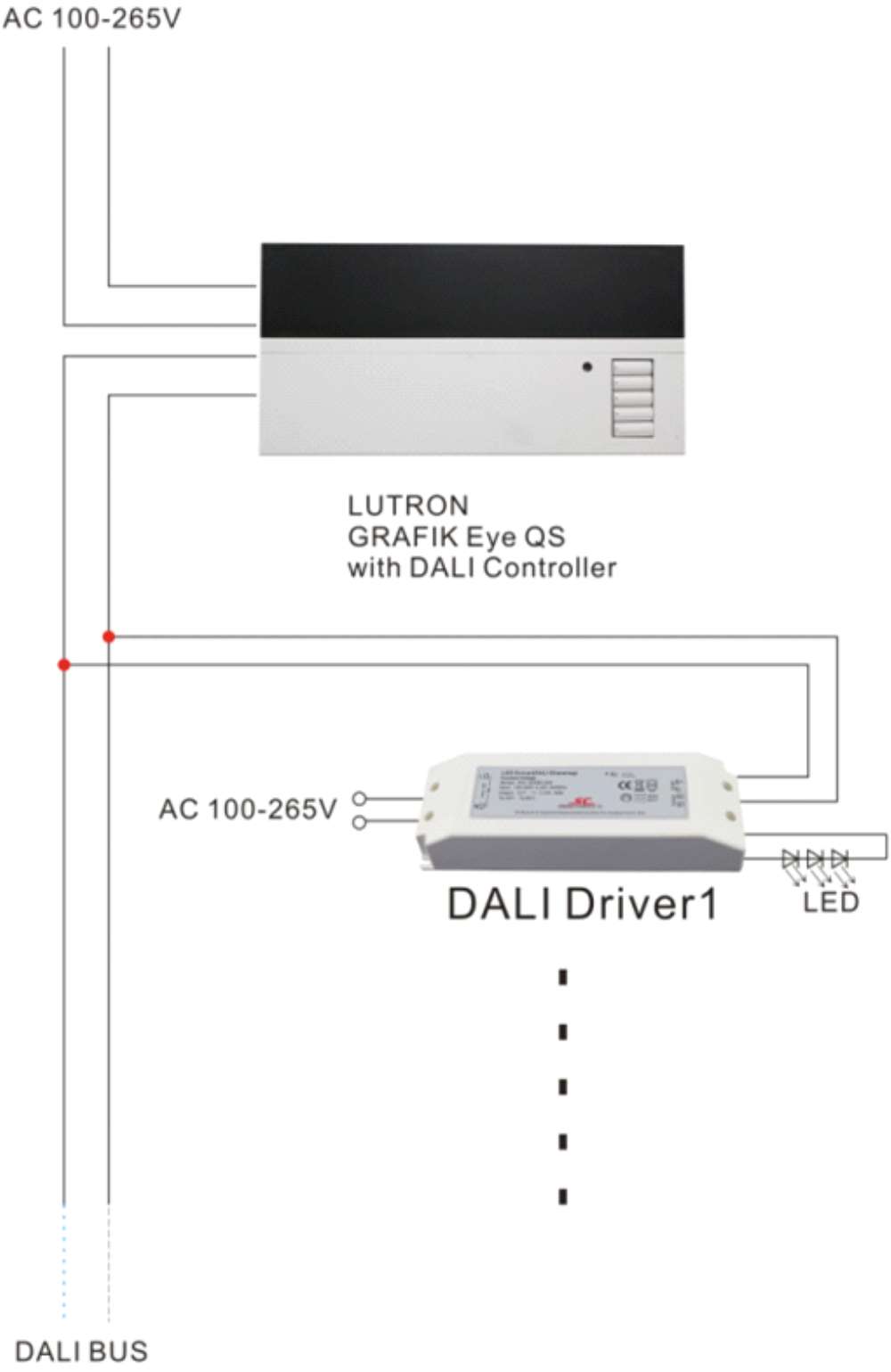
※Notice:In the market, some DALI controllers has bus-powered functions .If not,please add an extra power supply.(DALI Power).

※Any incorrect connecting of signal line and output line would damage the master.

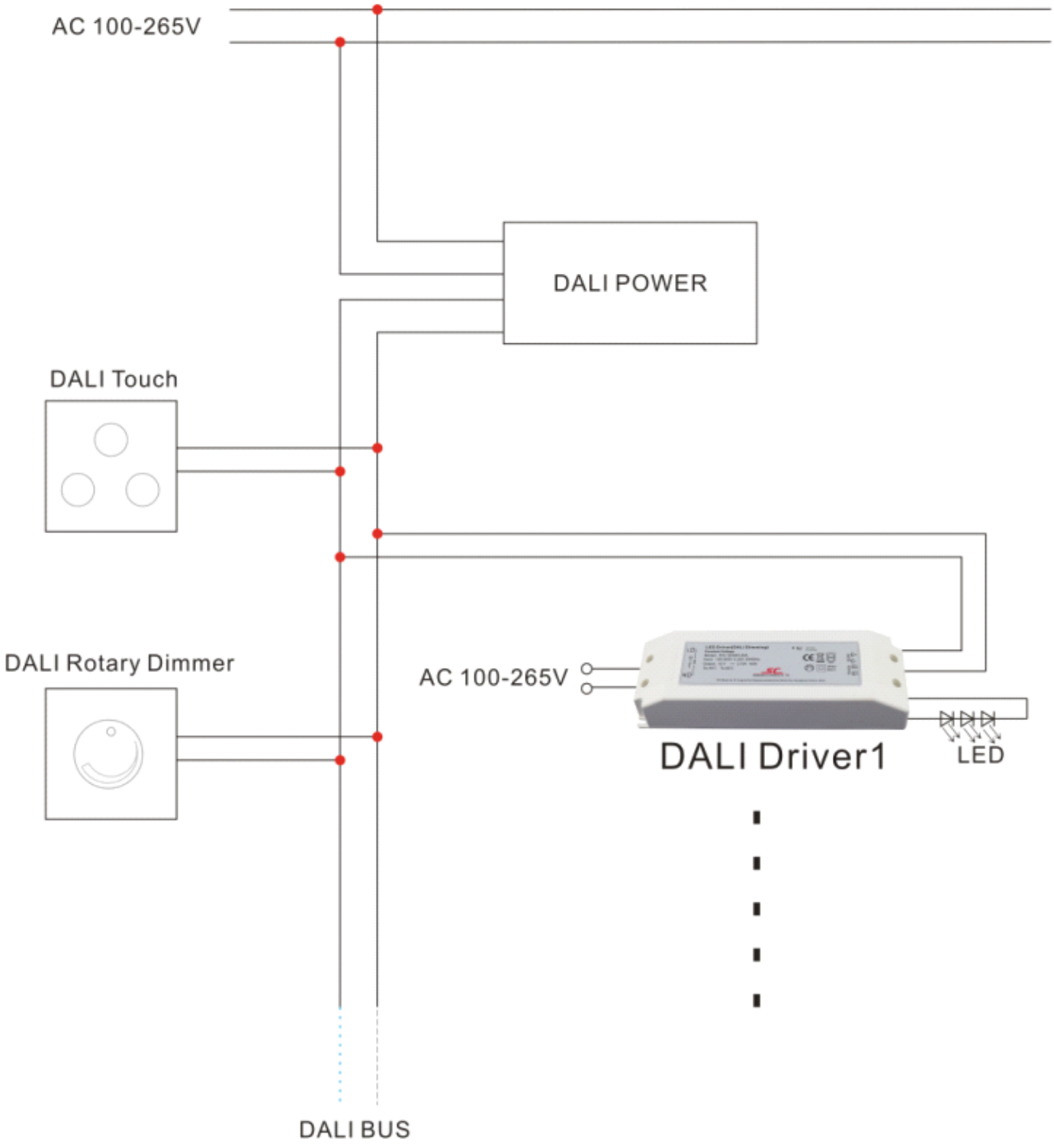
■Operation Reference No.1:



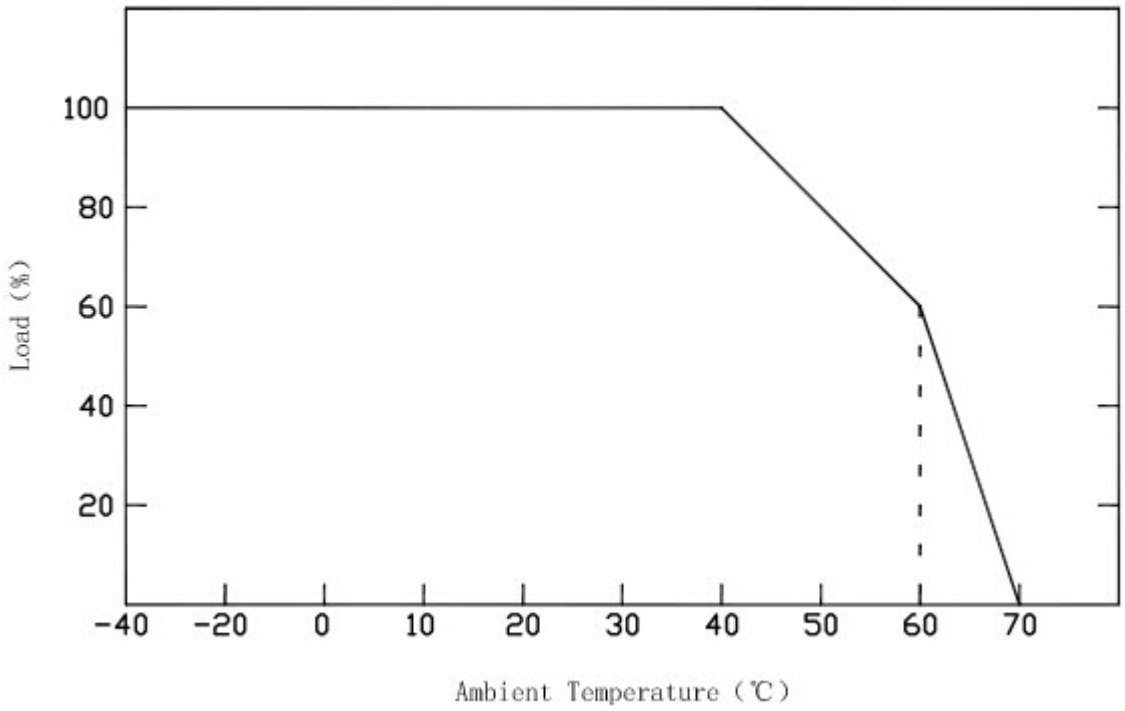
■Operation Reference No.2:


AC 100-265V
LUTRON
GRAFIK Eye QS
with DALI Controller
AC 100-265V
DALI Driver1
LED
DALI BUS

■Operation Reference No.3:



■Derating Curve



※To extend their life, please refer to the Derating Curve and derate according to the temperature.

■Instruction:

1.This driver should be installed by qualified and professional person;

2.Please make sure the transformer is installed with adequate ventilation around it to allow for heat dissipation.

3.Ensure that wiring is correct before test in order to avoid light and power supply damage;

4.If driver Cannot work normally, don't maintain privately; Have any question, please contact Shengchang.