



Model	Input Current	Input Power	PF (230V Full Load)	Output Power Range	Output Voltage	Output Current	Efficiency (230V Full Load)
FV100W24CG DALI	≤0.55A	≤115W	≥0.95	0-100.8W	24V	0-4200mA	≥91%

* Test result @230V, 50Hz, Full Load.

1. Parameters

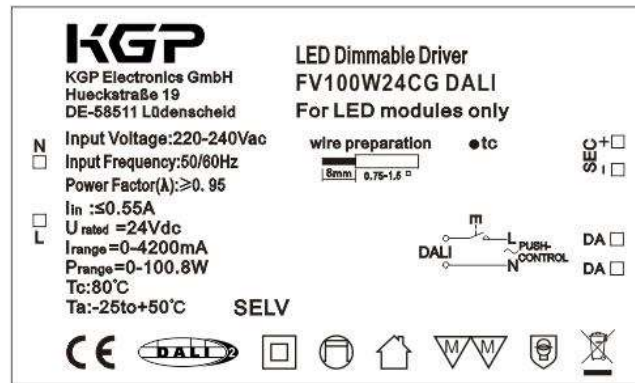
category	Item	Technical Norm
Features	Output Type	Constant Voltage
	Dimming Type	DALI-2
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	176-264VAC
	Range of DC Input Voltage	230-280VDC
	Frequency	50/60Hz
	Input Current	≤0.55A
	Input Power	≤115W
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤10% (230VAC, full load)
	No-load Power Consumption	≤0.5W @230VAC (DIM to off)
	Inrush Current	≤60A/300us (230VAC, full load)
	Connected quantity of 16A Breaker	8pcs/type B ; 13pcs/type C @ 230Vac
Output	Output Voltage	24VDC+/-3%
	No Load Voltage	25VDC Max.
	Line Regulation	±1%
	Load Regulation	±2%
	Output Current	0 -4200mA
	Max. Output Power	100.8W
	Efficiency	≥91% (230VAC, full load)
	Voltage Ripple	2% (Vmax-Vmin) / (Vmax+Vmin)
	Current Accuracy	N/A
	Started Delay Time	≤0.7S (230VAC, full load)
Control	Secondary PUSH dimming	Secondary PUSH dimming (Max. lead wire

Method		length: 20m,same port of DALI)
	DALI function	DALI dimming (Max. lead wire length: 300m) logarithm or linear dimming curve selectable
	Dimming range	DALI dimming: 1%-100% (1KHz)
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	Insulation voltage	I/P to O/P,3KVac/5mA/1min
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P < 250μA
Environment	Ta/Operation Temperature	-25....+50℃
	Ts/Storage Temperature	-40....+85℃
	Tc/Enclosure Temperature	80℃
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	terminal block
	Installation	Independent
	PRI Wire preparation	0.75-1.5 [□]
	SEC Wire preparation	0.75-1.5 [□]
	Dimension	190*65*22mm (L*W*H)
Standards	Certification	ENEC/CE/SAA
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017,E N62493:2015, AS61347.2.13:2018,AS/NZS 61347.1:2016 Inc A1
	EMC Standards	EN55015:2013/A1:2015,EN61000-3-2:2014,EN61 000-3-3:2013,EN61547:2009
	Performance	EN62384,IEC62386-101{ed2.0}-2014, EN 62386-207{ed1.0}-2009, BS EN 62386-102{ed2.0}-2014
	Surge	L-N/2KV
Others	RoHS	2011/65/EU
	MTBF	≥250KHours, Ta=25℃ (MIL-HDBK-217F)
	Life Time	50000h @Ta/ Tc
	Warranty	5years , F.R. < 10000ppm

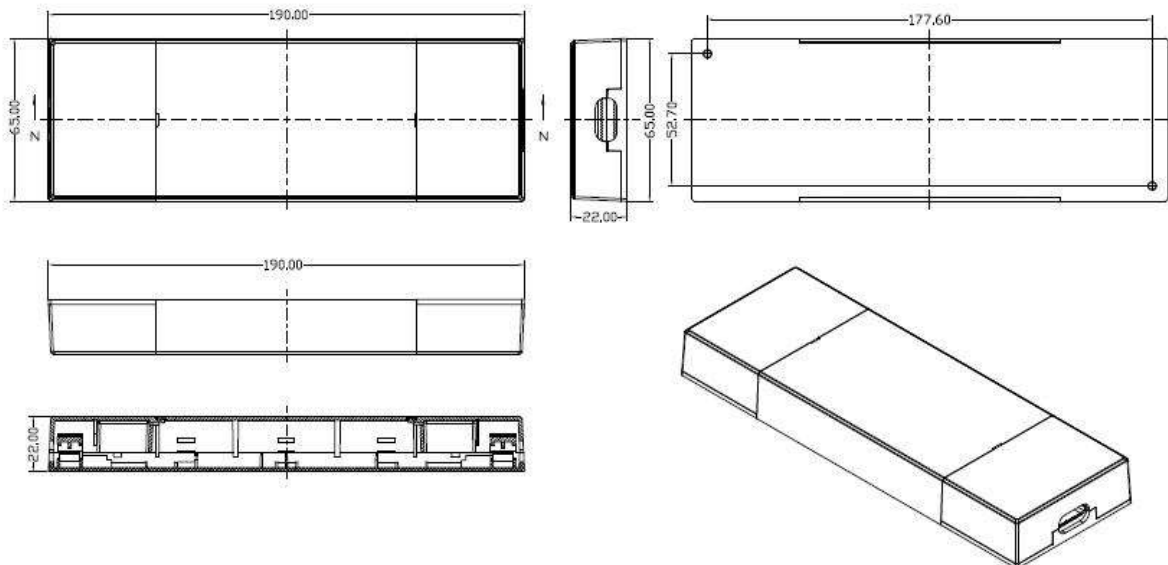
Remark:

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. Output ripple should be measured at the output end which has with 0.1uF/50V ceramic capacitance and 47uF/50V Aluminum capacitance connected in parallel. Measured using oscilloscope with bandwidth limited to 20MHz.

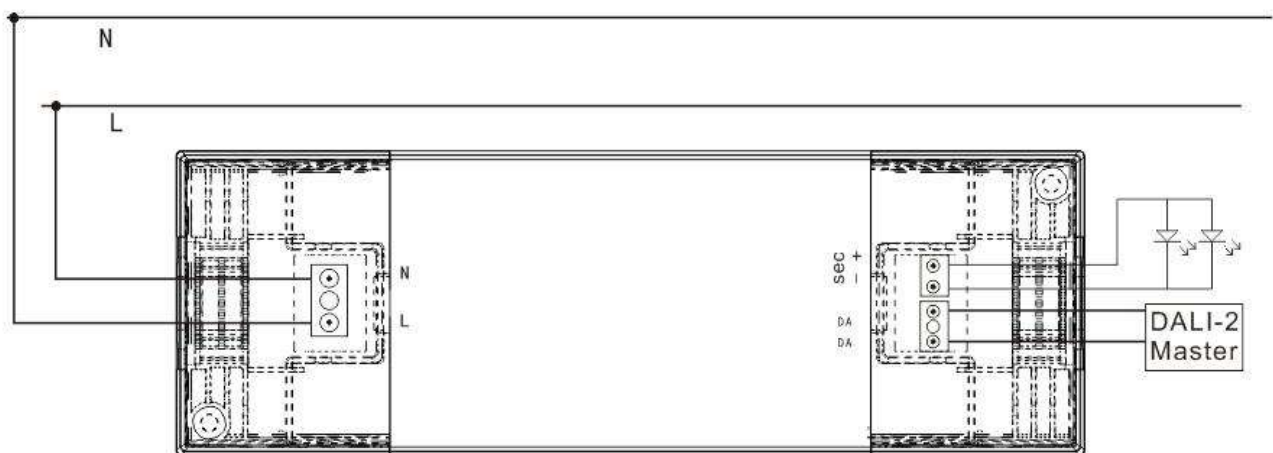
2. Label

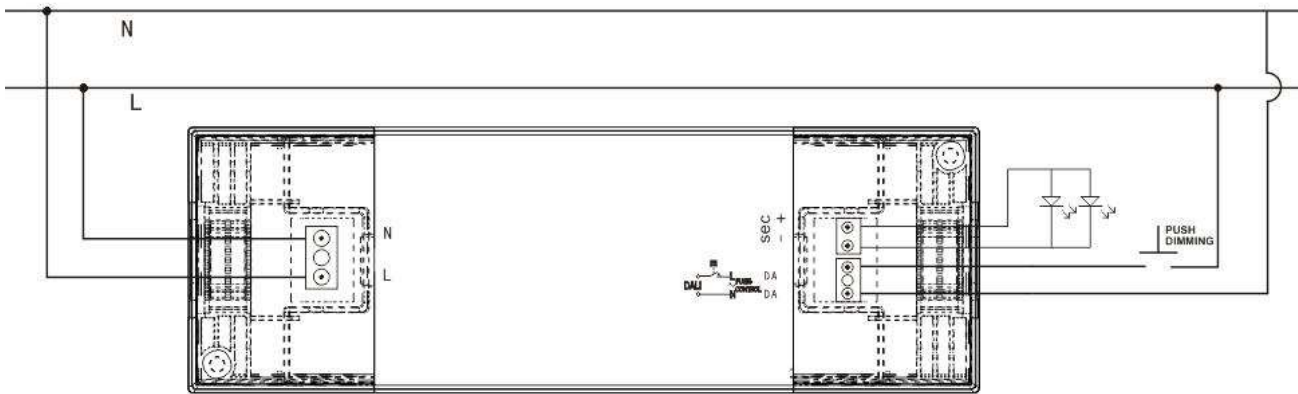


3. Dimension (Unit: mm)



4. Wiring Diagram





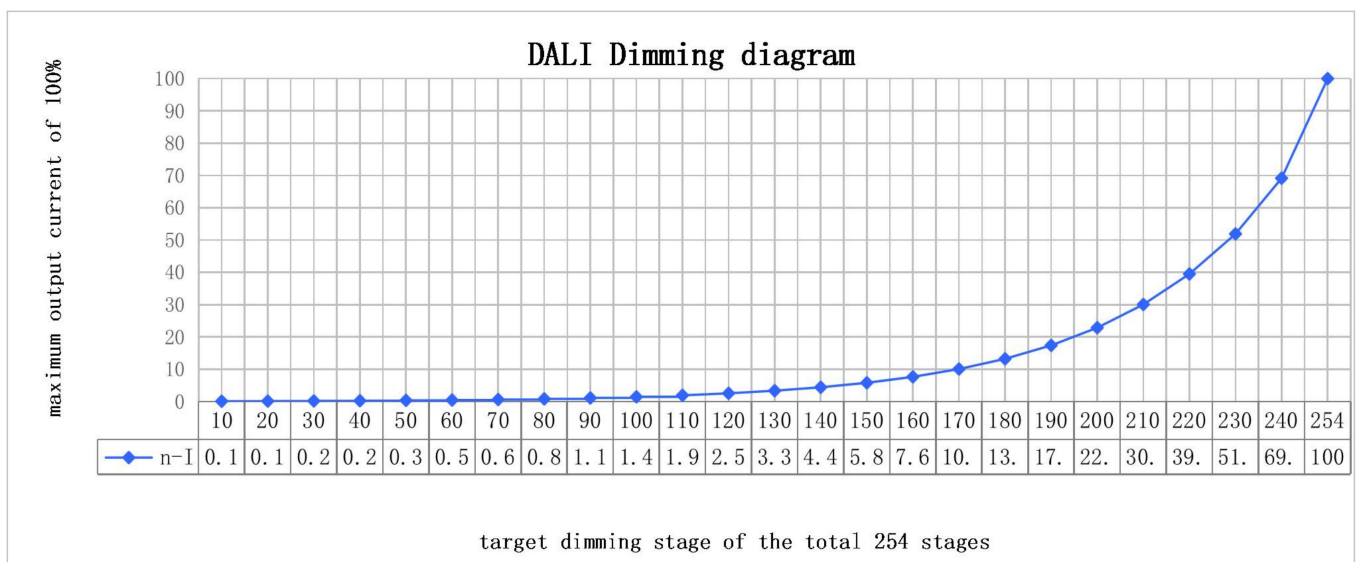
5. Dimming curve

formula for DALI dimming.

$$X(n)=10^{\{[(n-1)/(253/3)]-1\}},$$

Here, n means the target dimming stage of the total 254 stages.

X(n) means the percent of the maximum output current



6. Packing information

Paching way	Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
With white box and manual	450*240*200	40	T.B.D.	T.B.D.	T.B.D.
Without white box and manual		40	T.B.D.	T.B.D.	T.B.D.