

25W CONSTANT CURRENT DIMMABLE DALI2 SERIES

Constant current LED driver that operates with 150 to 700mA output current and a forward Voltage range from 9-52 Vdc . With it's compact dimensions from 106 x 67.5 x 22mm it is easy to integrate in LED Panel and down light products. To ensure trouble-free operation, protection is provided against output short circuit and over Load.

→ APPLICATION

- LED Panel
- LED Spot light
- LED Down light
- LED Strip light



→ FEATURES

- Flicker free & Dip Switch.
- Class II, SELV, independent.
- Protections: SCP/OLP/OVP/OTP.
- Power Factor $>0.9C$
- Efficiency $\geq 86\%$.
- Five years warranty.



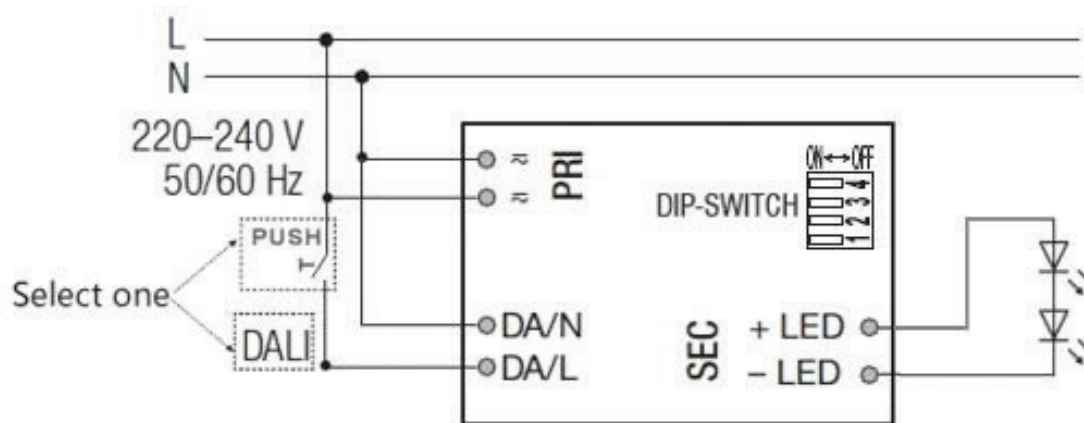
➔ **Technical data**

Input	Range of input voltage	220-240VAC
	DC voltage range	176-280V
	Frequency(Hz)	50/60 Hz
	Power Factor	PF=0.9C@220-240VAC, full load
	Input Current max	0.2A MAX. @Full Load,176VAC
	Start-up time	< 1S
	Unload Power Consumption	≤0.5W
	Inrush Current	15A Max.
Output	Constant Current	150/.../700mA
	No load voltage Max.	60VDC
	Output Voltage Range	9-52VDC
	Rated power	26.3W Max.
	Load Regulation	±5%@220-240VAC
	Hold-up Time	1s max.@Full Load
	Efficiency(Typ.)	≥86%
Dimming	Dimmable	YES
	Dimming mode	DALI II, Push
	Dimming current range	Io≥500mA : 1%~100% ; Io < 500mA : 5mA(min) ~100%
Protection	Over Load Protection	103-120% Protection type: Latch off
	Over Voltage Protection	> 60VDC Protection type: Latch off
	Short circuit Protection	Protection type: Latch off
	Over Temperature Protection	Protection type: Auto resume
Environment	Operating Temperature	-20°C...+45°C
	tc	85°C
	Storage Temperature	-25°C...+60°C
	Humidity	20%-90%RH
Safety & EMC	Safety standards	EN 61347-1; EN61347-2-13; EN62384
	Withstand voltage	Input-Output : 3750V/5mA/1min
	EMI	EN55015; EN61000-3-2 Class C; EN61000-3-3
	EMS	EN 61547; EN 61000-4-2; EN 61000-4-5 —1000V;
	Dimension	106X67.5X22(LXWXH)mm
Note	Ripple and noise are measured at 20MHZ of bandwidth by using a 300mm twisted pair-wire terminated	
	All parameters NOT specially mentioned are measured at 240VAC input, full load and 25C of ambient temperature.	

→ ADJUSTABLE OUTPUT CURRENT WITH DIP-SWITCH

Vo	Po	Io	1	2	3	4
9-52VDC	7.8W	150mA	--	ON	--	--
9-52VDC	10.4W	200mA	--	ON	--	ON
9-52VDC	13W	250mA	--	ON	ON	--
9-52VDC	15.6W	300mA	--	ON	ON	ON
9-52VDC	18.2W	350mA	ON	--	--	--
9-52VDC	20.8W	400mA	ON	--	--	ON
9-52VDC	23.4W	450mA	ON	--	ON	--
9-52VDC	26W	500mA	ON	--	ON	ON
9-47.5VDC	26.1W	550mA	ON	ON	--	--
9-43.5VDC	26.1W	600mA	ON	ON	--	ON
9-40VDC	26W	650mA	ON	ON	ON	--
9-37.5VDC	26.3W	700mA	ON	ON	ON	ON

→ WIRING DIAGRAM

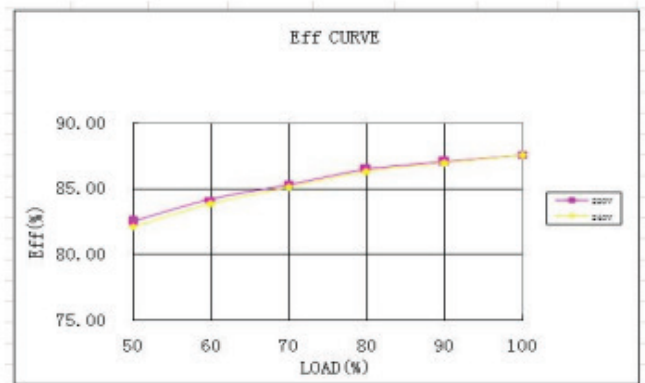
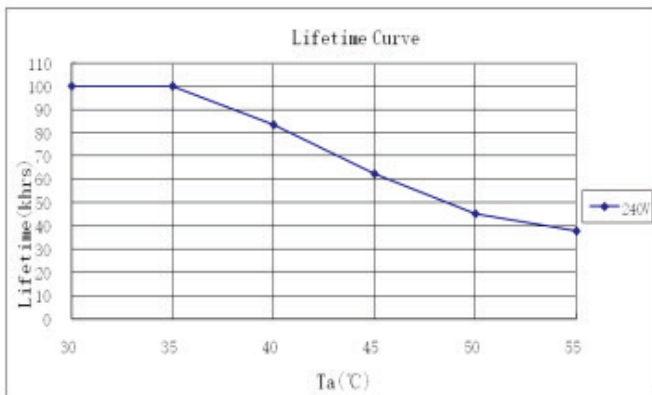


**LED DRIVER INDOOR
CONSTANT CURRENT
DIMMABLE - DALI2**

QPEC-DAL2-25-700 EDS S1

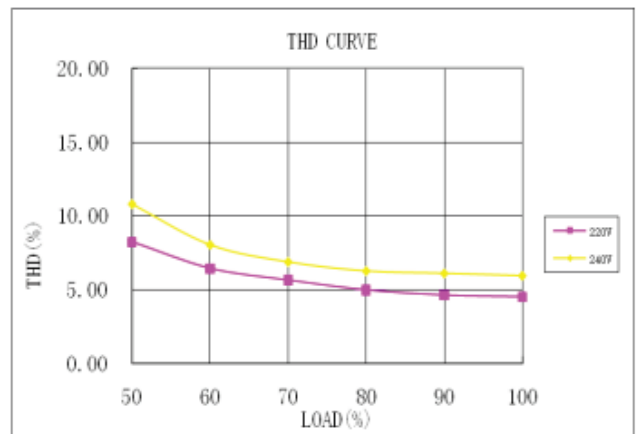
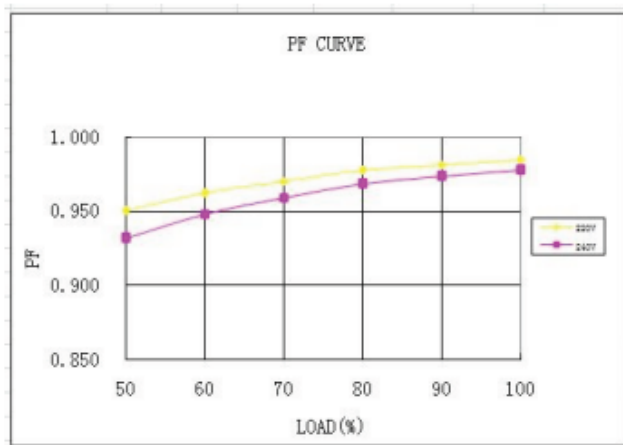
➔ FUNCTION CURVE FOR QPEC-DAL2-25-700 EDS S1, IO=700MA

LIFETIME VS. AMBIENT TEMPERATURE CURVE EFFICIENCY VS. LOAD



POWER FACTOR CHARACTERISTICS

THD VS. LOAD



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QPEC-DAL2-25-700 EDS S1

→ DIMENSIONS

