

60W CONSTANT CURRENT DIMMABLE DALI2 SERIES

Constant Current DALI2-series is constant current LED driver with 650 to 1400 mA output current and a forward voltage rang from 9 to 48VDC the output current is selectable by DIP switch, it is easy to integrated in LED panel, downlight product. It is supported with short circuit and overload protection.

→ 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 >0.95
- Efficiency $\geq 86\%$.
- Support DALI II, Push Dimming.
- Five years warranty.



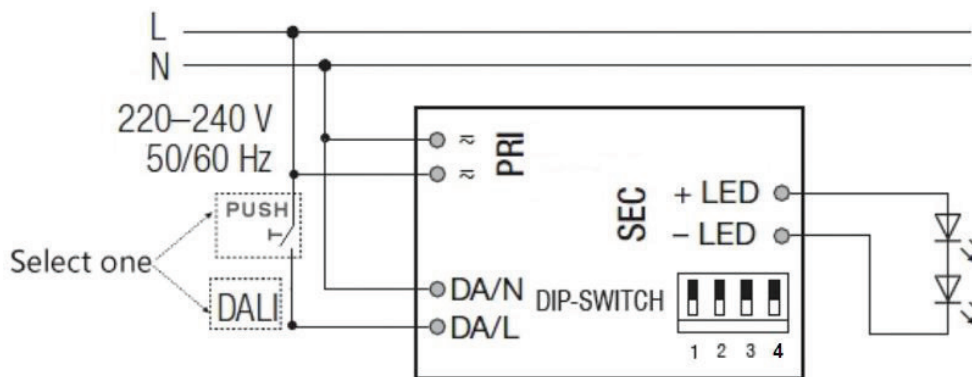
→ Technical data

Input	Ac input voltage	220-264VAC
	DC input voltage	198-280V
	Frequency(Hz)	0/50/60 Hz
	Power Factor	> 220-240@0.95VAC, full load
	Input Current max	0.46A MAX. @Full Load,198VAC
	Start-up time	< 1S
	Unload Power Consumption	≤0.5W
	Inrush Current	30A Max.
Output	Constant Current	650/.../1400mA
	No load voltage Max	60 VDC
	Output voltage range	9-48VDC
	Rated power	60.2W 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	I _o ≥1000mA : 1%--100% I _o <1A:10mA(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...+50°C
	t _c	+90°C
	Humidity	-20%-90%RH
	Storage Temperature	-25°C..... +60°C
	Safety Standards	WN 61347-1; EN161347-2-13; EN62384
	EMI	EN55015; EN61000-3-2 Class C; EN61000-3-3
	EMS	EN 61547; EN 61000-4-2; EN 61000-4-5 — 1000V;
	Dimension(LXWXH)	187X45X30.5mm
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

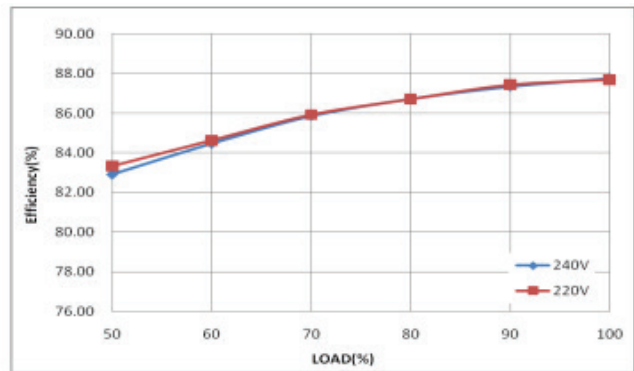
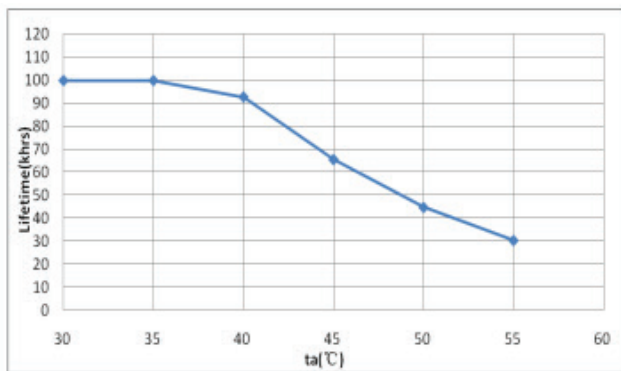
Vo	Po	Io	1	2	3	4
9-48VDC	31.2 W	650mA	--	--	--	--
9-48VDC	33.6 W	700mA	ON	--	--	--
9-48VDC	36W	750 mA	--	ON	--	--
9-48VDC	38.4W	800mA	ON	ON	--	--
9-48VDC	40.8W	850mA	--	--	ON	--
9-48VDC	43.2W	900mA	ON	--	ON	--
9-48VDC	45.6W	950mA	--	ON	ON	--
9-48VDC	48W	1000mA	ON	ON	ON	--
9-48VDC	50.4W	1050mA	--	--	--	ON
9-48VDC	52.8W	1100mA	ON	--	--	ON
9-48VDC	55.2W	1150mA	--	ON	--	ON
9-48VDC	57.6W	1200 mA	ON	ON	--	ON
9-48VDC	60W	1250 mA	--	--	ON	ON
9-46VDC	59.8W	1300mA	ON	--	ON	ON
9-44VDC	59.4W	1350mA	--	ON	ON	ON
9-43VDC	60.2W	1400mA	ON	ON	ON	ON

→ WIRING DIAGRAM

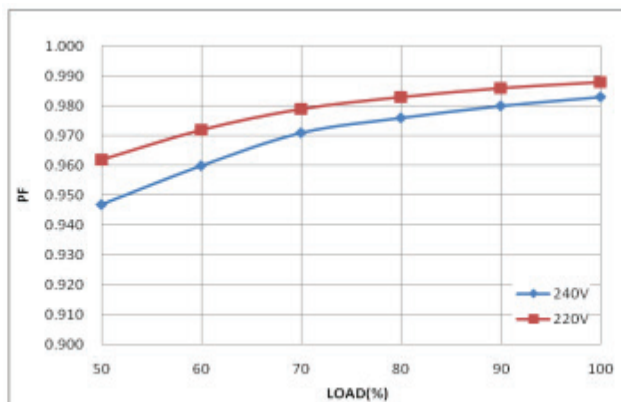


➔ FUNCTION CURVE FOR QPEC-DAL2-25-700 EDS, IO=1400MA

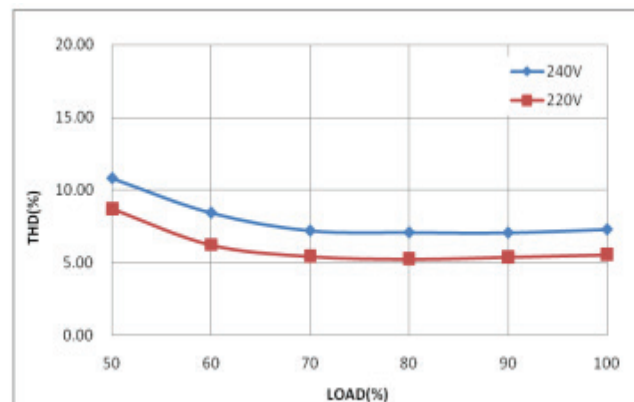
LIFETIME VS. AMBIENT TEMPERATURE CURVE EFFICIENCY VS LOAD



POWER FACTOR CHARACTERISTICS



THD VS. LOAD



→ DIMENSIONS

