



POWER-LITE®

Certainty at The Speed of Light



LED DALI

DRIVER

LED-LPE-DALI

LED Dali Driver for our POWER-LITE® 36W LED Light Panels,
with cable & Australian plug.



E2362



APPLICATIONS
Commercial
Industrial | Retail



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Output	Output voltage	27-42 VDC
	Output current	1000mA
	Ripple current	≤500mA
	Ripple voltage	≤4.2V
	Current tolerance	±5%
	Time to light	100Vac <1S, 230Vac <0.5S, 277Vac <0.5S
	Temperature drift	±10%
	Output Line regulation	±5%
Input	Input Line regulation	±5%
	Rated input voltage	100-240 Vac, 277 Vac (Max. input voltage: 90-305Vac)
	Frequency	47Hz-63Hz
	Input current	0.6A Max
	Power factor	≥0.98/100Vac
		≥0.95/230Vac
		≥0.90/277Vac
	THD	≤20%
	Efficiency	≥84%/100Vac
		≥85%/230Vac
≥85%/277Vac		
In-rush current	I<60A/350uS@230Vac	
Stand-by Power	Pin<1W	
Protective features	Consumption No-load	Max. output voltage (no-load voltage) 55V
	Short-circuit	Hiccup mode (auto-recovery)
Environment condition	Working temperature	-30°C ~ +50°C
	Working humidity	20-90%RH (no condensation)



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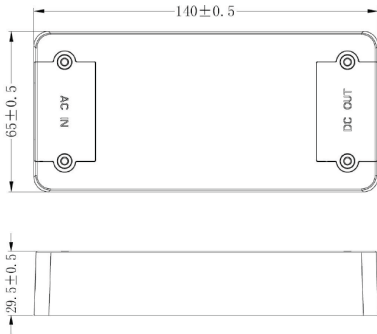
Environment condition	Storage temperature/	-40°C ~ +80°C (6 months under the class I environment);
	Humidity Atmospheric pressure	10-90%RH (no condensation) 86-106KPa
Safety and norms	Certificate	ENEC, CE, CB, RCM
	Hi-pot test	I/P-O/P: 4KVac, <5mA, 60S
	Insulation resistance	I/P-O/P: 500VDC, >100MΩ
	Surge rating	Comply with IEC61000-4-5(L/N: 1KV)
	EMI	Comply with EN55015, EN61000-3-2.
	EMS	Comply with EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547.
	DALI protocol	Comply with the IEC62386-101, 102, 207
Others	Packing (weight)	Net weight: 185g±5%/pc;30pcs/carton; 6.5KG±5%/carton. Carton size: 39 x 29 x 21 cm (L xWxH).
	IP rating	IP20
	Warranty condition	5 years (Max. case temperature must not exceed 70°C).
Testing equipment	AC power source: CHROMA6530, digital power meter: CHROMA66202, Oscilloscope: Tektronix DPO3014, DC electronic load: M9712B, LED board, constant temperature and humidity chamber, lightning surge generator: Everfine EMS61000-5B, rapid group pulse generator: Everfine EMS61000-4A, spectroanalyzer: KH3935, hi-pot tester: TH9201B, flicker-free tester (flicker-free coefficient tester) 60N-01, etc.	
Test conditions	The parameters above including the power factor, THD, efficiency are all tested under the ambient temperature 25°C and humidity 50%, AC input 230V and 90% output load.	
Additional Remark	<p>1. In the power supply circuit, it is recommended that the customer should install an over-under-voltage protection and surge protection device to ensure the safety of using electricity.</p> <p>2. The PC cover, shell, end caps used together with the LED driver inside the LED lamp must meet the UL94V-0 fire rating level or above.</p> <p>3. As a part of the LED lamp, the LED driver is not the only factor determining the EMC performance of the LED lamp. And the EMC performance is also related to the LED lamp's structure and the wire routing. Thus we strongly recommend the manufacturer of the finished LED lamp must re-confirm the EMC of the LED lamps.</p>	



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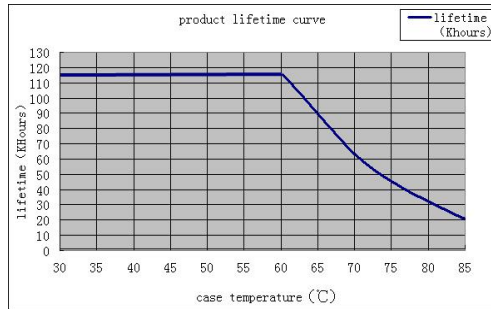
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DIMENSIONS (mm)

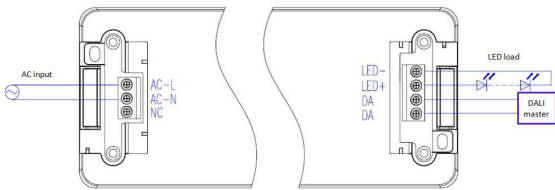


LIFETIME CURVE

The curve below illustrates the driver's lifetime data when its maximum casing temperature in an airtight space reaches 40°C, 50°C, 60°C, 70°C and 80°C.



WIRE CONNECTION DIAGRAM



DALI DIMMING FUNCTION

Dimming function for output current adjustment (Typical), dimming range 10%~100% (can be switched off)

DALI signal (%)	0	10	20	30	40	50	60	70	80	90	100	OPEN
Output current	0	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95%-105%

Remark: the output currents above are typical values.

PRODUCT

LED DRIVER

CODE

LED-LPE-DALI