

PRODUCT DATASHEET

LVED VAL 28W/220-240/700 GEN2

LED DRIVER VALUE



AREAS OF APPLICATION

- Suitable for LED luminaires and LED modules
- Applicable for luminaires of protection classes I and II
- For indoor SELV installations
- Offices, shopping centers, hospitals, restaurants, hotels

PRODUCT BENEFITS

- Suitable for operation with many discrete LED and COB LED
- Excellent price/performance ratio
- Quick and simple installation
- High efficiency and reliability

PRODUCT FEATURES

- Series available in 10W,12W,14W,20W,28W,36W,40W,42W
- Lifetime: up to 30.000 h (at max. tc temperature), up to 50.000 h (at tc: max tc -10°C temperature)
- Type of protection: IP20
- Dedicated, constant output current
- Supply voltage: 220...240 V
- Operating frequency: 50/60 Hz
- Operated with less than 60 V: Safety extra-low voltage (SELV)
- Short-circuit and overload protection

TECHNICAL DATA

General

Model Name	LVED VAL 28W/220-240/700 GEN2
Driver Type	Non-dim driver
Region	EU
Product Installation Type and Location	Independent
Certification and Report	CE, CE LDV, EMC, ROHS, REACH, SLR/ELR, ENEC
Indoor / Outdoor	Indoor
IP Level	IP20
Protection Class	Class II

Electrical Data

Requirement	Condition	Rated Value	Tolerance	Unit
Rated Input Voltage		220-240	±10%	VAC
Input Voltage Range		98-264		VDC
Input Current		160	±10%	mA
Product Input Power		34	max	W
Standby Power		<1		W
No Load Power		<1		W
Rated Frequency		50-60	50-60	Hz
Start Time	Rated Voltage	<0.5		s
Power Factor (PF)	Rated Voltage	<0.9		
Displacement Factor (DF)	Rated Voltage	<0.9		
Total Harmonic Distortion (THD)	Max Load	<20	Max	%
Charging Efficiency	For Battery Product			

Charge Protection Voltage	For Battery Product			V
Discharging Protection Voltage	For Battery Product			
Output Current	Steady State	700		mA
Auxiliary Output				
Output Current / Voltage Tolerance	Full Load and Min Load	±5		%
Output Power	Steady State	29.4		W
Driver Efficiency	Full Load and Min Load	85% Min Load 87% Full Load	min	%
Output Ripple Current Percentage	Full Load (I max - I min) - (I max - I min) *100%	10		%
Open Circuit Voltage (OCV)		Max 59V		V
Open Frequency (Only For Ballast Product)				KHz
Open Circuit Frequency				KHz
PDT / SVM		PST<1,SVM<0.4		
Noise Level	Test at 20cm with noise testing equipment	Single Product: <20		dB
Dimming Method and Range	For all level load			
Surge Voltage Capability	General Requirement Has to Fulfill Criteria A & B Otherwise, Highlight it Specially	L/N: 1000V		
Voltage Dip	General Requirement Has to Fulfill Criteria A & B Otherwise, Highlight it Specially	PASS		
Hi-Pot / Insulation Resistance				

Lifetime and Application Environment

Requirement	Condition	Rated Value	Unit
Declared Lifetime	Full Load With Max Tc	50000h	hrs
Ambient Temperature Range (Ta)		-20 ~ +45	°C
Max. Tc temperature of Product Under Ta Max	Max	85	°C
Storage Temperature Range		-25°C...+80C	°C
Max. Tc Temperature Of Dirver In Fault Condition		<110	°C
Operating humidity		10 ~ 93%	%
Storage Humidity	Product	10 ~ 93%	%
Switching Cycle	0.5min on /0.5min off cycle	25000	times
Warranty Year	24hrs/day	5	Years

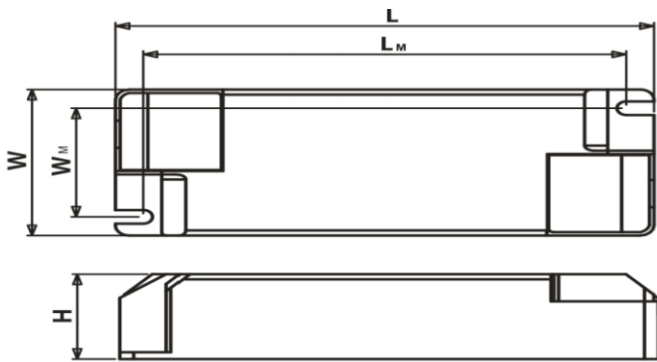
Key Material

Requirement	Condition	Rated Value	/
Down housing Material		PC	
Down housing color		White	
Up housing Material		PC	
Up housing color		White	
End cap material		PA66	
End cap color		AC: Gray DC: Red / Black	
Housing fire rating		Mteal: NA Plastic: 94V2	

Maximum Allowed Connection Per Circuit Breaker

Inrush Charge Time Th50	100us	Direct Mains Operation	B32	B25	B16	B10
Input Current	0.15A		56	44	28	22
Inrush Current Peak	26.7A		C32	C25	C16	C10
			71	56	35	22

Dimensions & Weight

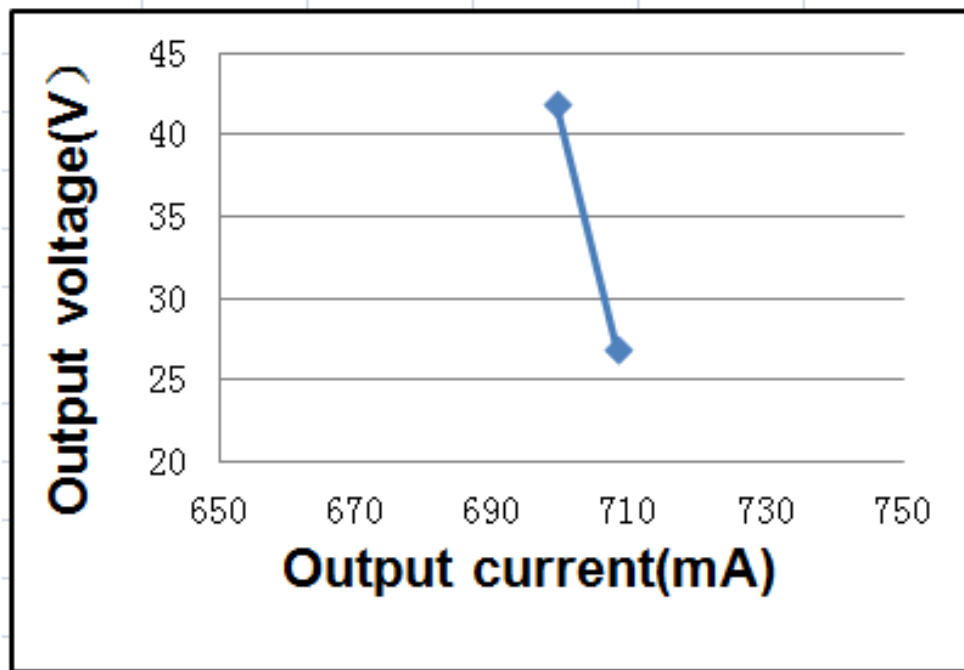


Length	112 mm / ±1
Width	41 mm / ±1
Height	25 mm / ±1
Net Weight	86.3 / ±10

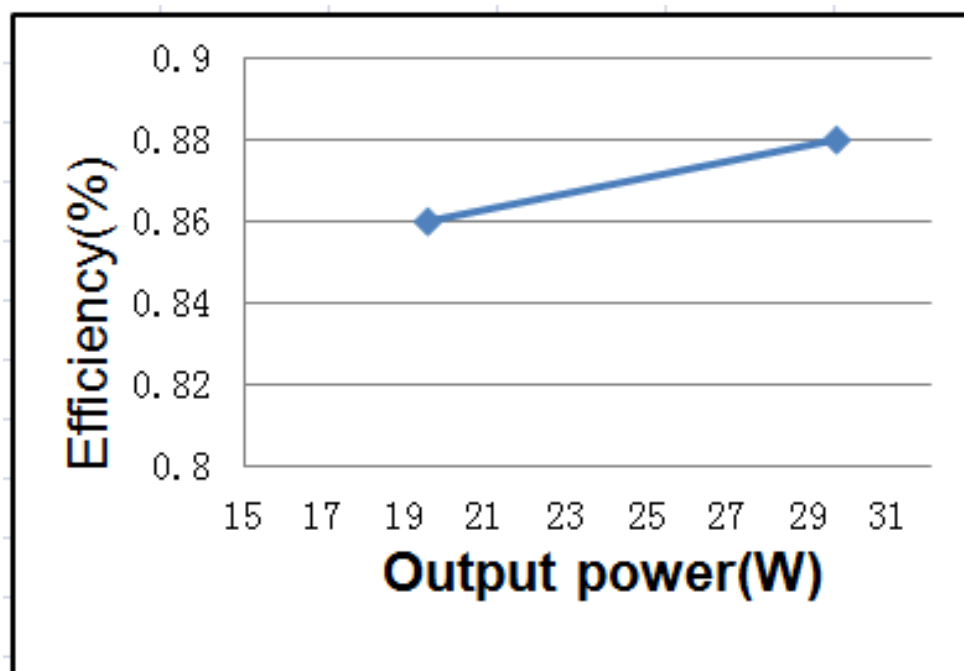
Note: please mark LED driver and luminaire module Tc test point in picture as above

Curve

Typical Operating Window

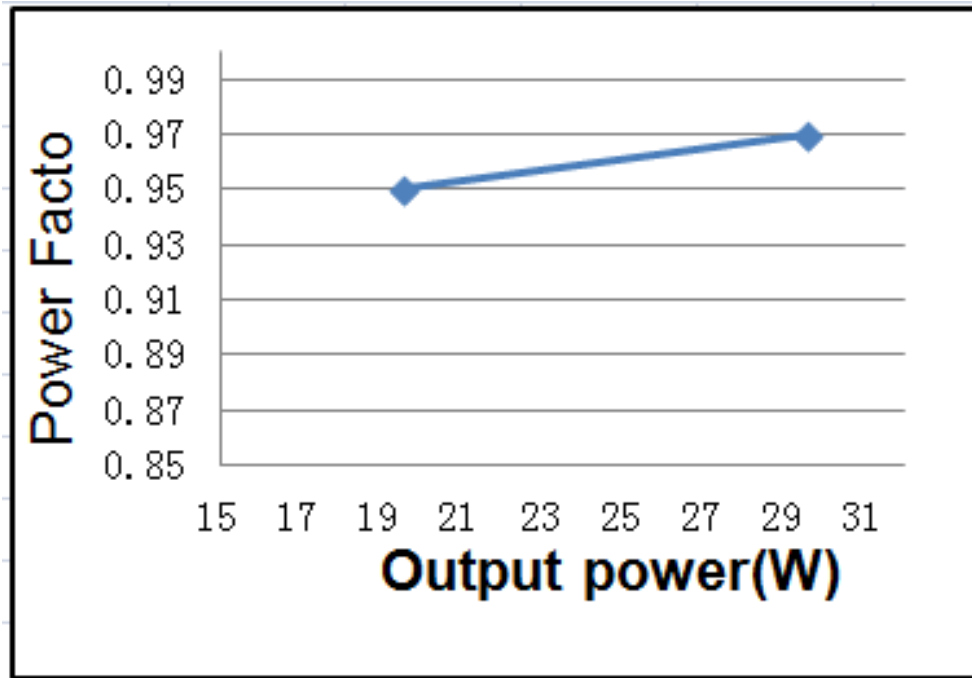


Typical Efficiency



Curve

Typical Power Factor



Typical THD

