



LED Driver SPEC

Model Name ED-SIN 50W250I 220-240

1) Compliances and Approvals

Approval markings	CE, F-mark, IP20,
Construction Classification	Build in
Application	Class I, Indoor
RoHS/REACH	ROHS

2) Technical data for installation

	Min.	Nom.	Max.	
Rated mains voltage		220-240		Vrms
Operational mains voltage limits	198		264	Vrms
Mains frequency for Safety	45	50-60	66	Hz
Maximum driver per MCB			12	Pcs
operational mains temperature limits	-15		45	°C
DC voltage operation				

3) Performance

	IEC 62384:2006, GB24825-2009	Min.	Nom.	Max.	
Performance standard	IEC 62384:2006, GB24825-2009				
Output Voltage		80		200	Vrms
Output Current			0.25		A
Output Current Tolerance		95%		105%	
Output Voltage Tolerance			N.A		
Percent of the output current ripple				10%	
System Efficiency			90%		
Powerfactor			0.98		
THD				10%	
Input Power@ None Load				1	W
Protection	OVP, SCP				
Thermal protection				110 degree	
Turn-on delay time				1	s

4) Immunity & EMI

EMI & Imunity	EN55015, EN61547	
- surge		LN 1kV test

5) Robustness

Withstand voltage			
- Input-output		>3.75kV	
- Input-FG		2KV	
Failure rate	0.25%/ 1000Hrs	<0.1%@1000h	
Maximum Tcase			65
Life by T case Life	10% failures @ 30,000 @ Tc 65Deg@ full load	30000h	<10% fail rate@Tc

6) Mechanical

Connection	type 250
Housing	
Housing material	metal
Weight	TBD

L	W	H	M
280	30	21	270

