

LED Driver

LDK24-A01 Series

MEGAMAN®**PRODUCT DATASHEET**

30W/60W/120W/180W/250W

**Constant Voltage Driver****LDK24-A01 Series**

LDK24-A01030	LDK24-A01060	LDK24-A01120	LDK24-A01180	LDK24-A01250	Range
30W	60W	120W	180W	250W	

1. Electrical						
1.1 Input Characteristics						
1.1.1 Rated Input Voltage	170-240V~					198-264VAC
1.1.2 Input Current@220Vac	≤0.18A	≤0.35A	≤0.65A	≤0.89A	≤1.5A	
1.1.4 Input Frequency	50/60 Hz					47~63Hz
1.1.5 Power Factor (PF)	>0.95					
1.1.6 Dimming	N.A					
1.1.7 Standby Power Consumption	≤0.5W					
1.1.8 Inrush Current	Ipeak <30A Duration time 300us	Ipeak <45A Duration time 300us	Ipeak <55A Duration time 272us	Ipeak <60A Duration time 680us	Ipeak <80A Duration time 310us	
1.1.9 Connected quantity of 16A Breaker	20pcs,16A Type B/	13pcs,16A Type B/	10pcs,16A type B / 17pcs 16A type C	8pcs,16A type B / 13pcs 16A type C	13pcs,16A type B / 20pcs 16A type C	
1.2 Onput Characteristics						
1.2.1 Output Voltage	24VDC					23.3-24.7VDC
1.2.2 No load Voltage	24-25VDC					
1.2.3 Output Current	0.0625-1.25A	0.125-2.5A	0.25-5.0A	0.25-7.5A	0-10.42A	
1.2.4 Output Power (Rated)	1.5-30W	3-60W	6-120W	6-180W	0-250W	
1.2.5 Turn On Time	<0.5S/220vAC					
1.2.6 Power Efficiency	>86%	>88%	>93%	>93%	>91%	
1.2.7 Filcker	SVM ≤0.4, PstLM ≤1.0					
1.3 Protection						
1.3.1 Short Circuit Protecion	Auto Recovery					
1.3.2 Over load Protection	Auto Recovery					
1.3.3 Over Voltage Protection	Auto Recovery					
1.3.4 Insulation voltage	I/P to O/P,3KVac/5mA/1min					
1.3.5 Insulation resistance	>100M ohm @ 500VDC					
1.3.6 Leakage current	I/P to O/P < 250μA					
2. Safety						
2.1 Certification	CE					
2.1.1 Regulatory standard	EN61347-2-13:2014/A1:2017,EN62384:2006/A1:2009, EN61347-1:2015					
2.1.2 EMC Standards	EN IEC 55015:2019,EN IEC 55015:2019/A11:2019 EN IEC 61000-3-2:2019,EN61547:2009, EN 61000-3-3:2013/A1:2019					
2.1.3 Performance Standards	EN62384					
2.2 Dielectric withstand voltage	I/P to O/P , 3KVac/1min ,I/P to PE 1.5Kac/1min					
2.3 Islation Resistance	I/P-O/P:100MOhms/500v/25℃/75% RH					
2.4 Leakage Current	I/P to O/P < 250μA					
2.5 Surge immunity test	L-N/2KV L N-PE/2KV					
3. Environmental						
3.1 Operation temperature	-25....+50℃				-25....+45℃	
3.2 Ts/Storage Temperature	-40....+85℃				-40....+85℃	
3.3 Tc/Enclosure Temperature	90℃	90℃	85℃	90℃	90℃	
4. Construction						
4.1 Connection Method	Push-in Terminal					
4.2 Cable Terminals	PRI: 1 terminal block / SEC: 3 terminal block				PRI: 1 / SEC: 2	
4.3 Installation	IP20					
4.4 Tc/Enclosure Temperature	Independent 90℃					
4.5 PRI Wire Cross Section	0.75mm²-1.5 mm²					
4.6 SEC Wire Cross Section	0.75mm²-1.5 mm²					
4.6 Dimension (mm)	135*36*25	151.5*40.2*31	253*42.5*31	253*42.5*31	400*40*22	

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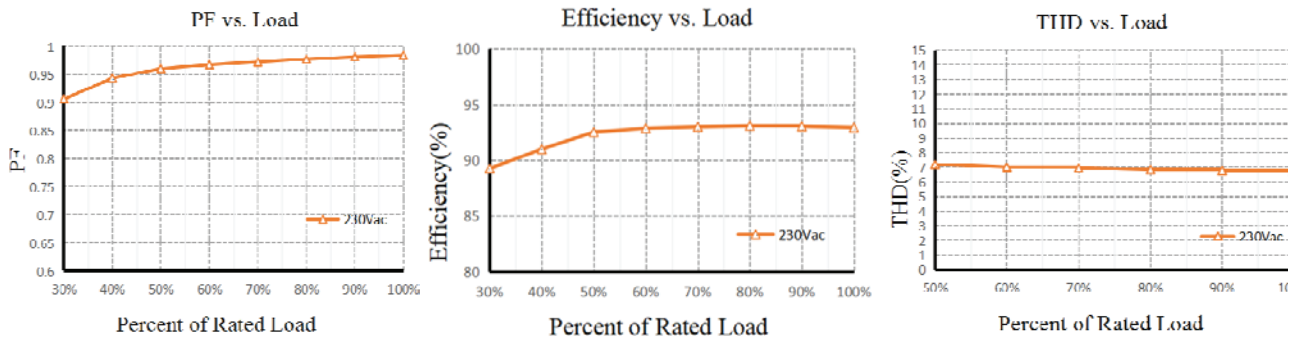
5 Others		
Life time	≥50K Hrs	

Remark

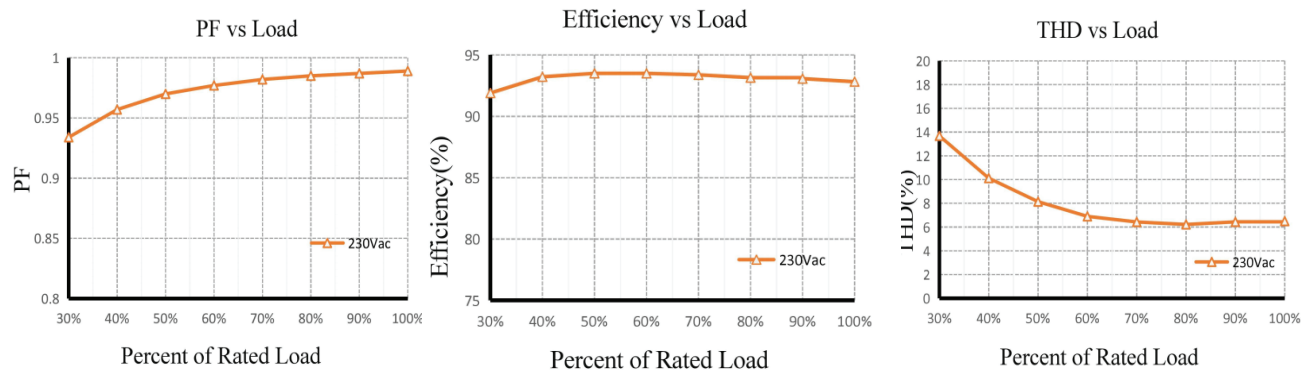
1. All Parameters, if not specified, are measured at 230VAC/50Hz and 25° ambient temperature.

2. LED Driver is a component of the luminaires. Luminaires and wire layout will affect the EMC, please check the EMC with end products again.

Graph Curve (30-180W)

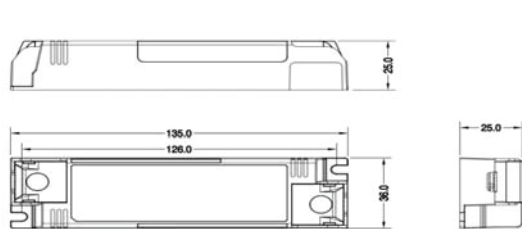


Graph Curve (250W)

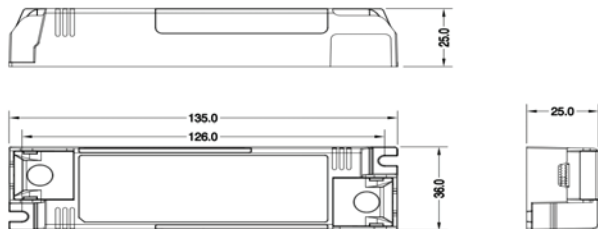


Dimension

30W



60W



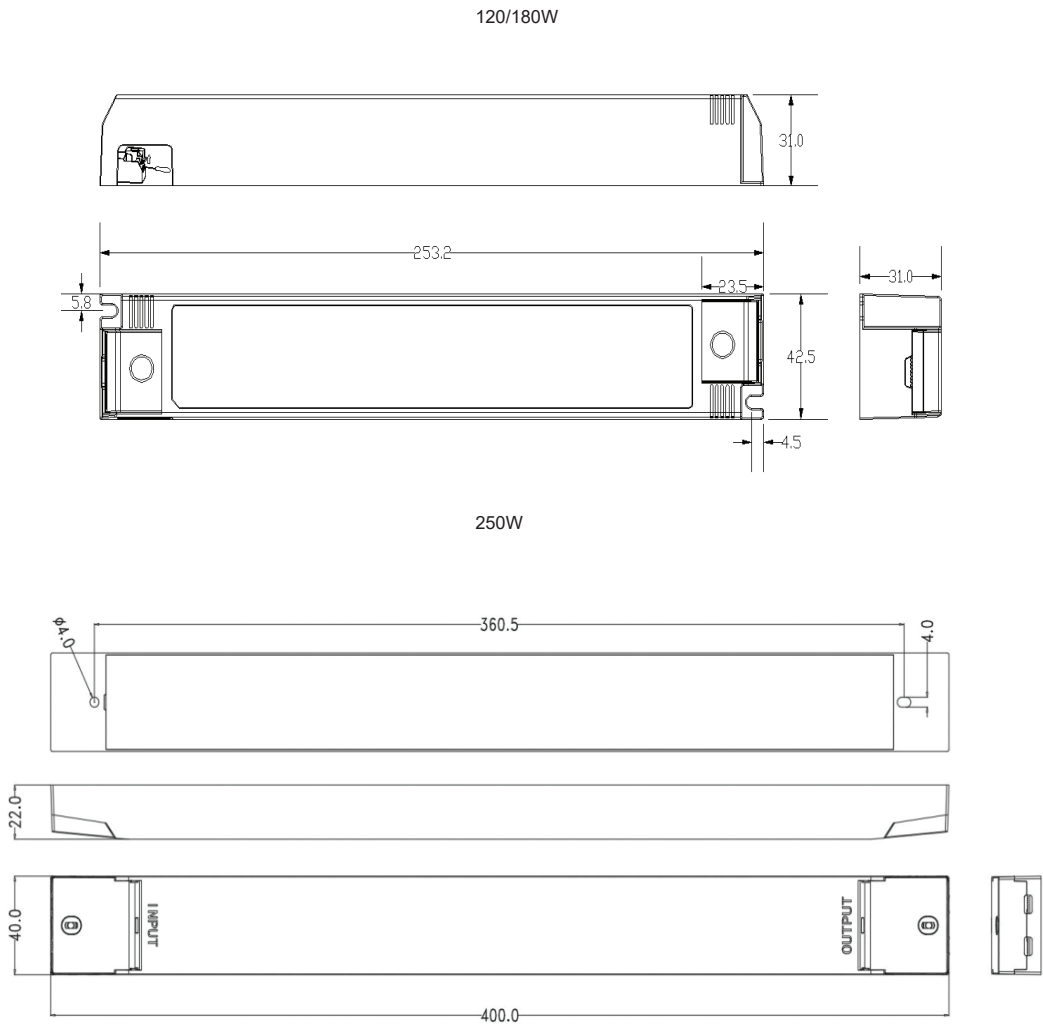
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Dimension



Package

Model	Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
LDK24-A01030	310*220*175	25	0.0895	2.2375	2.7
LDK24-A01060	447*240*200	25	0.201	5.025	5.5
LDK24-A01120	450*240*200	25	0.405	10.13	11
LDK24-A01180	450*240*200	25	0.405	10.13	11
LDK24-A01250	420*230*160	25	0.53	13.25	13.7

