



LKAD064D-C



Class P SELV TYPE HL **CE** **RoHS**



Features

Output:	Constant Current
Range:	650mA-1100mA @ 22-55Vdc / 900mA-1500mA@20-42V (fixed & preset by factory)
PFC design:	Built-in active PFC function
Efficiency:	Up to 88%
Protections:	Short circuit/ over load/ over temperature
Heat dissipation:	Cooling by free air convection
Waterproof Performance:	For dry, damp, wet locations
Dimming function:	0-10V dimming: 0-10V/1-10V/Potentiometer/10V PWM 4 in 1
Dimming Range:	0-100%
Application:	Suitable for LED lighting and moving sign applications
Warranty:	5 years warranty



Specification

Model:		LKAD064DC110055C	LKAD064DC150042C	
Certificate		CUL,CE,Rosh,		
Output	DC Voltage	22-55V	20-42V	
	Voltage Tolerance	±0.5V		
	Voltage Regulation	±0.5%		
	Rated current	1100mA	1500mA	
	Rated power	60W	60W	
	Load Regulation	±2%	±1%	
Input	Voltage Range	120-277VAC		
	Frequency Range	50/60hz		
	Power Factor(Typ.) @full load	0.995@120VAC	0.995@120VAC	
	THD(Typ.) @ full load	<15%@120VAC & 277VAC		
	Efficiency(Typ.) @ full load	≥86%@120VAC	≥84.93%@120VAC	
	AC Current (Max.)	0.58A		
	Inrush Current (Typ.)	15A, 50%, 1.4ms @120VAC	65A, 50%, 1.4ms @277VAC	
	Leakage current	<0.5mA		
Protection	Short Circuit	shut down o/p voltage, re-power on to recover after fault condition removed		
	Over Load	≤120% constant current limiting, auto-recovery after fault condition removed		
	Over temperature	100°C±10°C shut down o/p voltage, automatically recover after cooling		
Environment	Working TEMP.	-40~+60°C (see below derating curve)		
	Working Humidity	20 - 95%RH non-condensing		
	Storage TEM.,Humidity	-40 - +80°C,10 - 95% RH non-condensing		
	TEMP.coefficient	±0.03%/°C(0 - 50°C)		
	Vibration	10~500Hz, 5G 12min./1 cycle, period for 72min. each along X,Y,Z axes		
Safety & EMC	Safety standards	UL8750 , CAN/CSA-C22.2 No.250.13		
	Withstand voltage	I/P-O/P: 1.8KVAC I/P-FG: 1.8KVAC O/P-FG1.8KVAC		
	Isolation resistance	I/P-O/P: 100MΩ/ 500VDC/ 25°C/ 70% RH		
	EMC Emission	FCC 47 CFR Part 15 ,Subpart B		
Others	Net Weight			
	Dimension	138 * 44* 26mm(L*W*H)		
	Packing	Cartons		
Notes	<p>1. All parameters NOT specially mentioned are measured at 120VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Tolerance: includes set up tolerance and load regulation.</p>			

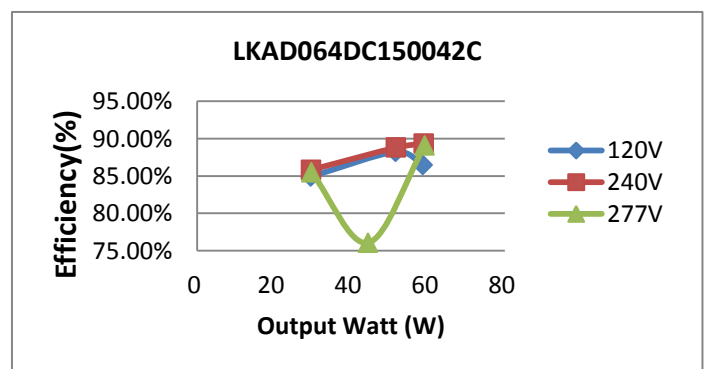
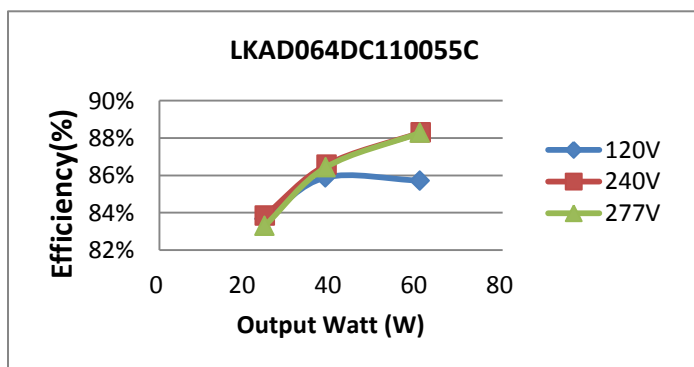


Electrical Characteristics

Model: LKAD064DC110055C							
Input voltage (Vac)	Input Current (mA)	Input Power (W)	Power Factor	Output Voltage (Vdc)	Output Current (MA)	Output Power (W)	Efficiency (%)
120	582.20	70.77	0.995	55.00	1103	60.67	86%
	370.20	45.07	0.995	35.00	1106	38.71	86%
	240.50	29.29	0.991	22.00	1114	24.51	84%
240	296.50	68.95	0.980	55.00	1107	60.89	88%
	195.80	45.00	0.964	35.00	1113	38.96	87%
	131.70	29.36	0.934	22.00	1119	24.62	84%
277	257.30	68.72	0.966	55.00	1103	60.67	88%
	172.00	44.83	0.942	35.00	1107	38.75	86%
	118.40	29.45	0.899	22.00	1115	24.53	83%

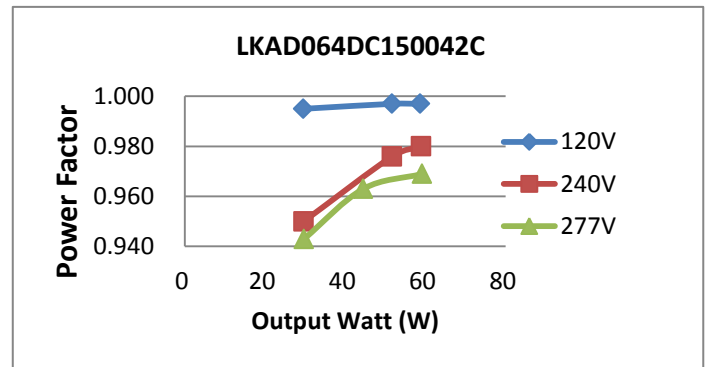
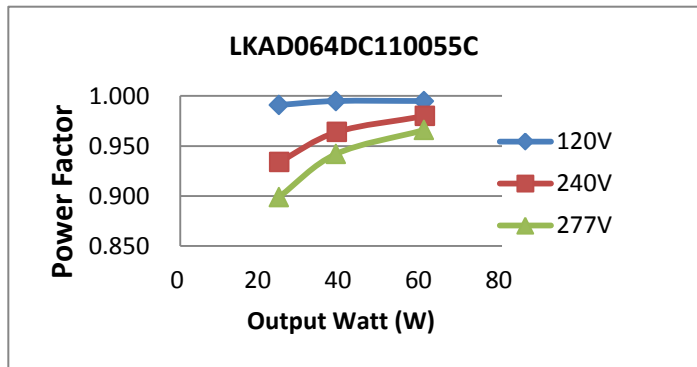
Model: LKAD064DC150042C							
Input voltage (Vac)	Input Current (mA)	Input Power (W)	Power Factor	Output Voltage (Vdc)	Output Current (MA)	Output Power (W)	Efficiency (%)
120	290.70	34.78	0.995	20.00	1477	29.54	84.93%
	497.50	58.51	0.997	35.00	1475	51.63	88.23%
	567.60	67.90	0.997	40.00	1468	58.72	86.48%
240	151.60	34.51	0.950	20.00	1481	29.62	85.83%
	249.10	58.21	0.976	35.00	1477	51.70	88.81%
	281.10	65.95	0.980	40.00	1473	58.92	89.34%
277	135.80	34.74	0.943	20.00	1485	29.70	85.49%
	219.00	58.45	0.963	30.00	1482	44.46	76.07%
	247.60	66.44	0.969	40.00	1480	59.20	89.10%

Efficiency Curve (efficiency vs ouput watt)

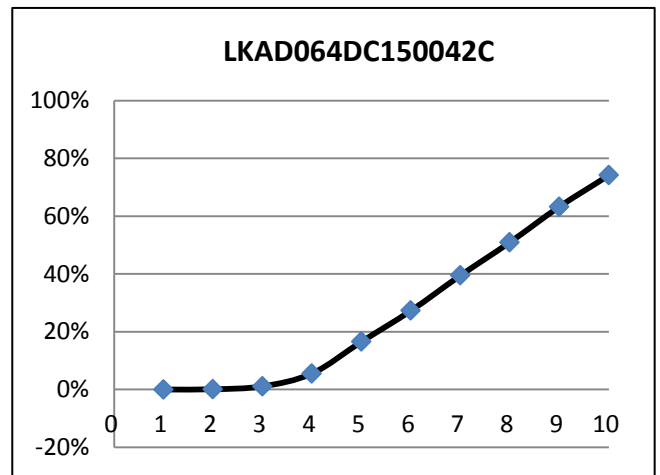
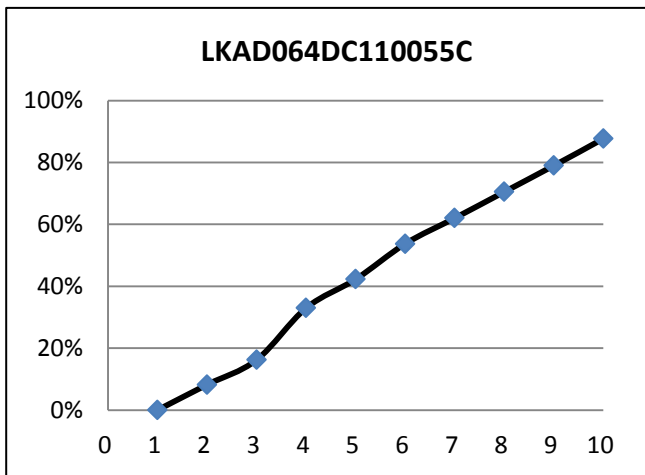




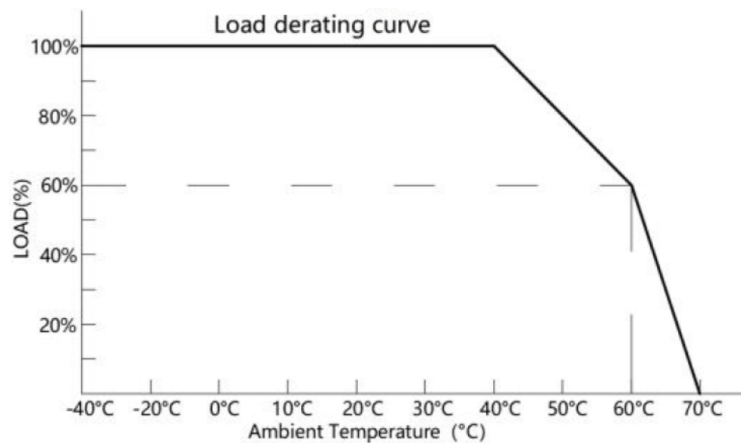
Power Factor Curve



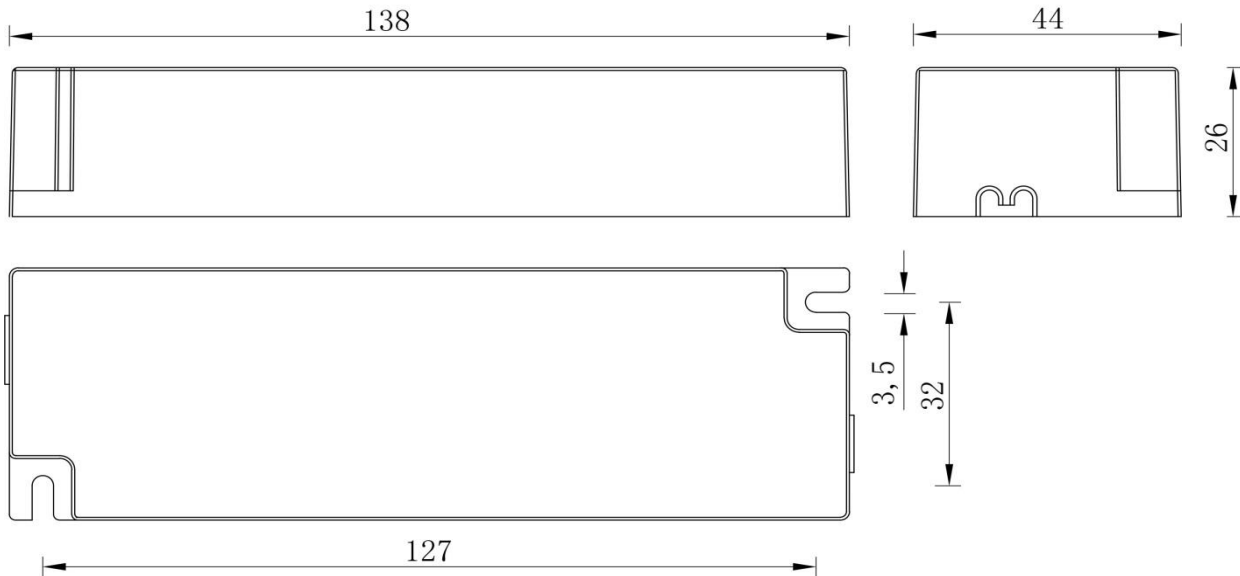
0-10V Dimming Curve



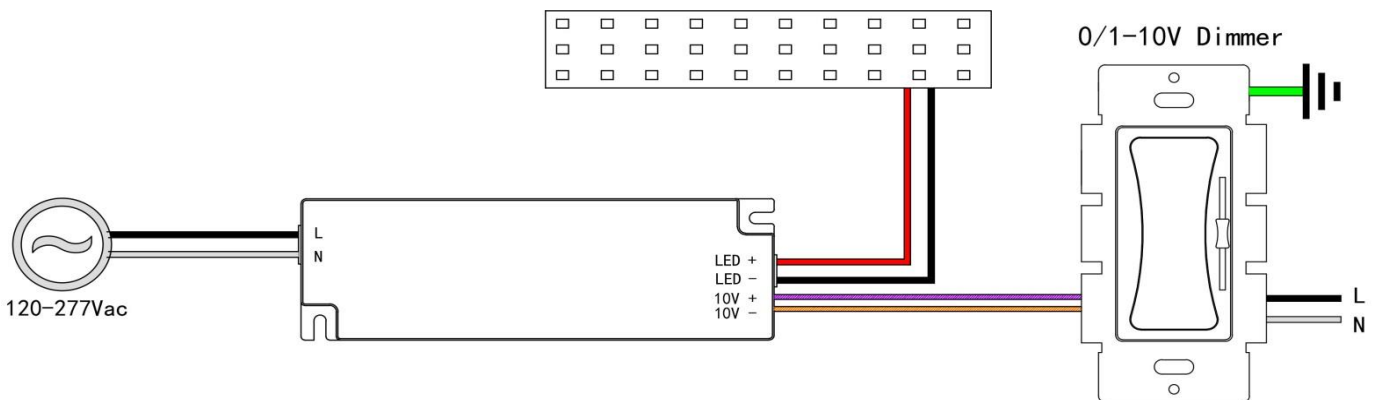
Derating Curve (output load vs TEMP.)



Installation Dimension



Wiring Diagram



1. Input cable 2*18AWG, Black cable to L, and White cable to N of Mains AC.
2. Output cable 2*18AWG, Red cable (+) to LED Positive side (+) , Black cable (-) to LED Negative side (-).
3. Dimming cable 2*22AWG, Purple cable DIM (+) to 0/1-10V dimmer signal(+) , Pink cable DIM (-) to 0/1-10V dimmer signal (-).
4. Please make sure your connect these correctly otherwise your product will not function correctly and could be damaged



Dimming Operation

Working well with most EU and US brands of 0/1-10V dimmers, 10V PWM dimmers or dimming system as well as potentiometer dimming system.

Notices

1. This driver should be installed by qualified and professional person.
2. Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
3. Ensure that wiring is correct before test in order to avoid light and power supply damage.
4. If driver Cannot work normally, don't maintain privately.

If still have any questions, please contact us directly