

SPECIFICATION

MVP Series



192W - 2 x 96W Class 2 5 in 1 Dimming LED DRIVER

MODEL NO.: KS-X192a-MP

DESIGN NO.: KS192W

VERSION NO.: 001

■ Features

192W 5 in 1 dimming LED DRIVER

24/36/48VDC

- Universal AC input voltage 100-277VAC
- High power factor, $PF \geq 0.95$
- **Multiple channel** & constant voltage mode and PWM style output
- Protection: OCP, OVP, SCP, OTP
- Limited Power Source
- **UL/cUL Class 2**, RoHS, CE, Class P, Type HL Listed
- **2-Ways Universal dimming**: Forward Phase, Reverse Phase, 0-10V, PWM, and Potentiometer
- Compatible with Forward phase, Reverse phase, Triac, MLV, ELV Dimmers with seamless dimming performance
- Flicker free
- Typical lifetime > 50000 hours
- **5 years warranty**
- NEMA 3R Rated Enclosure for Indoor and Outdoor Use



FC CE CLASS P TYPE HL RoHS

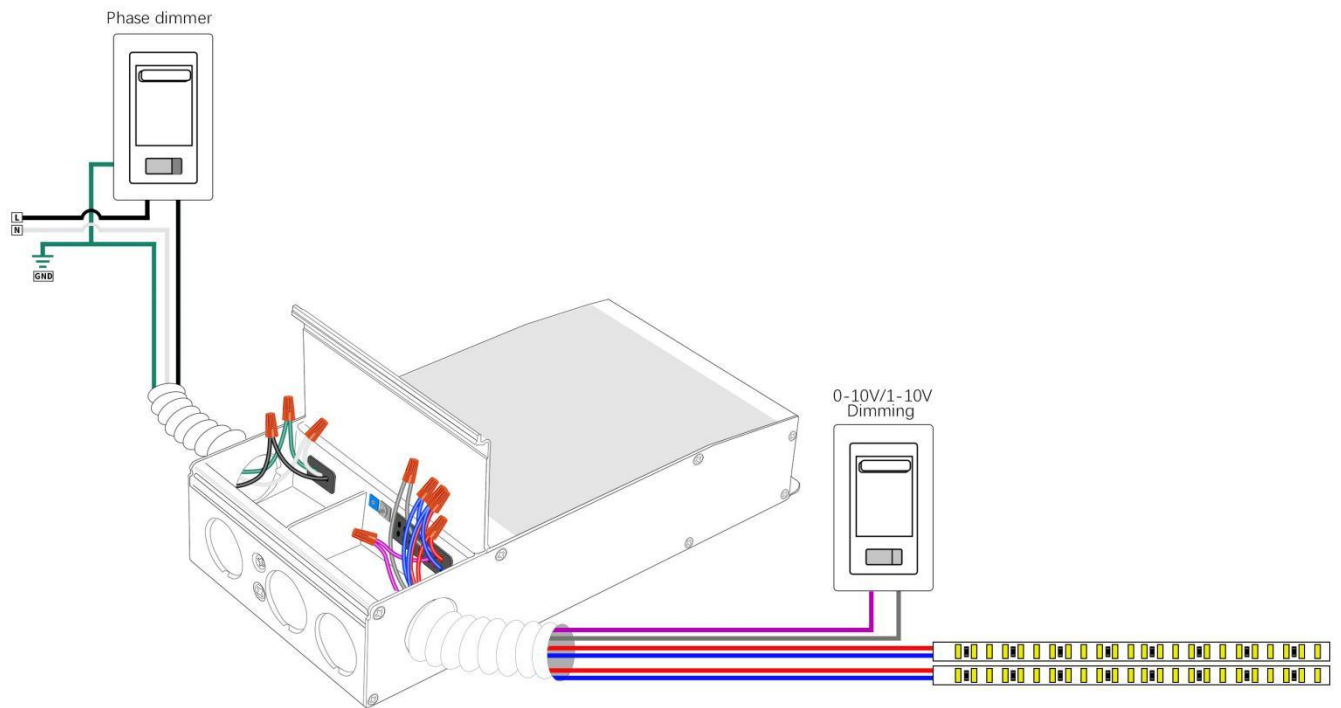
KS-192W MVP Series is one **192W (2x96W)** output constant voltage 5-in-1 Dimmable Class 2 LED Drivers, with constant voltage & multiple channel output design as the main characteristics, with PWM & Voltage Reduction output optional. This series model can work at input voltage 100~277 VAC, and provide a variety of rated output voltage between 24V, 36V, 48V. It is created for many lighting applications including single-color LED strip lighting, RGB/RGBW, LED signage, lightbox, and backlit panels and Commercial linear lighting fixtures.

The dimmable led driver and compact metal case enables them to run cooler, significantly improving reliability and extending product life. This dimmable driver comes with short circuit protection, over current protection, over-voltage protection, low-voltage protection, and auto-recovery mode. No buzzing noise, No overheating. This Class 2 Dimmable Driver is UL listed, meaning that it will automatically shut off if overloaded, preventing overheating and fire hazards caused by components exceeding their power ratings.

■ Specification

MODEL		<input checked="" type="checkbox"/> KS-24192-MP	<input type="checkbox"/> KS-36192-MP	<input type="checkbox"/> KS-48192-MP	
OUTPUT	Output Voltage	24V	36V	48V	
	Rated current x Channel	4.0A x 2	2.67A x 2	2.0A x 2	
	Rated power	192W	192W	192W	
	Ripple & Noise (max.)	250mVp-p	250mVp-p	250mVp-p	
	Voltage accuracy	±2.0%	±2.0%	±2.0%	
	Linear adjustment rate	±0.5%	±0.5%	±0.5%	
	Load adjustment rate	±0.5%	±0.5%	±0.5%	
	Start, rise time	1000ms, 100ms/230VAC, 1100ms, 100ms/115VAC			
	Hold time	10ms/115VAC, 230VAC			
INPUT	Voltage range	100 ~ 277VAC			
	Frequency range	47 ~ 63Hz			
	Power factor	PF≥0.98/115VAC, PF≥0.95/230VAC, PF≥0.9/277VAC, Full load			
	Total harmonic distortion	THD< 20% (@ load ≥50%/115VAC,230VAC; @ load ≥75%/277VAC)			
	Efficiency	Vin: 115VAC	≥91%	≥91%	≥91%
		Vin: 230VAC	≥92.5%	≥92.5%	≥92.5%
	AC current	2.35A			
	Inrush current	Cold start 75A(width=350us measured at 50% I peak)/230Vac			
Leakage current	< 1 m A				
No load/ standby power consumption	< 5W				
Protection	Over current	95 ~ 110% 95 ~ 110% Constant current limit, load abnormal condition can be removed after automatic recovery			
	Short circuit	Burp mode, load abnormal conditions can be removed after automatic recovery			
	Over voltage	26 ~ 32 V	39 ~ 47 V	52 ~ 63V	
		Turn off the output voltage, restart and resume			
Over temperature	Turn off the output voltage, restart and resume				
Environment	Working Temp	T case= -40 ~ +50°C (power variation refer to Ambient Temperature Curve on page 5)			
	Max.Case Temp	T case= +90°C			
	Working Humidity	20 ~ 95% RH, non-condensing			
	Storage Temp.,Humidity	-40 ~ +90°C, 10 ~ 95% RH			
	Temp.Coefficient	±0.03%/°C (0 ~60°C)			
Vibration	10~500Hz, 5G 12min./1 cycle, period for 72 min. each along X,Y,Z axes				
Safety & EMC	Safety standards:UL8750+UL1310				
	Withstand voltage:I/P-O/P:1.88KVac				
	Isolation resistance:I/P-O/P:100MΩ/500VDC/25°C/70%RH				
	EMC EMISSION:Confirms to FCC				

■ Dimming Connect Drawing

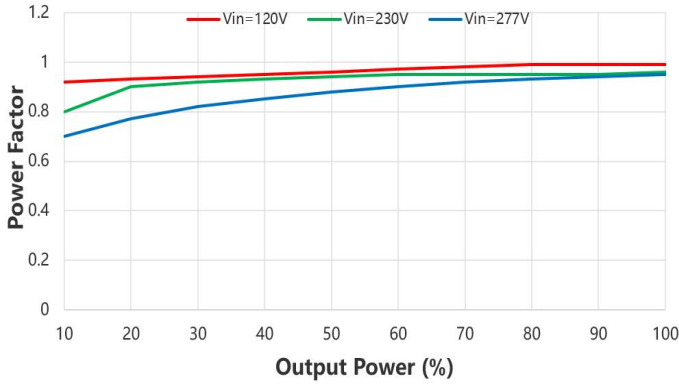


Warning:

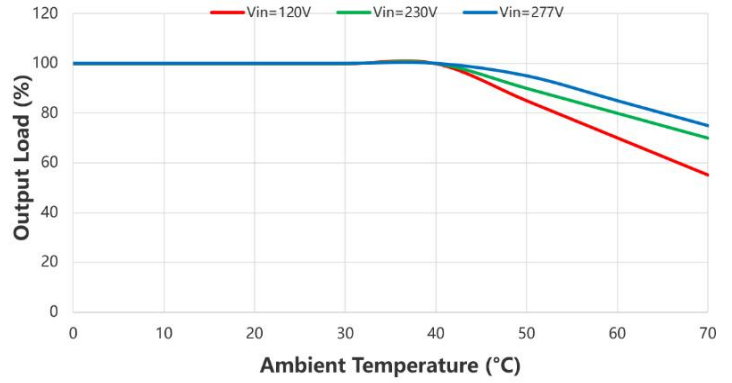
- * This driver should be installed by qualified and professional person;
- * Suitable for indoor use without direct sunlight exposure; Good ventilation are need;
- * Ensure that wiring is correct before test in order to avoid light damage;
- * If driver cannot work normally, don't maintain privately; Have any questions, please contact "Keysun".

■ Dimming Curve

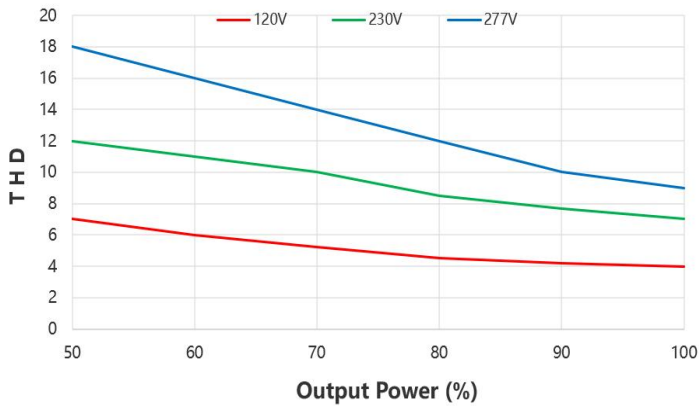
Power Factor - Output Power Curve



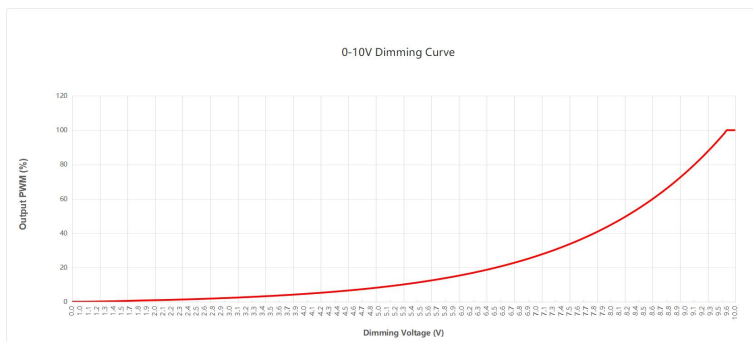
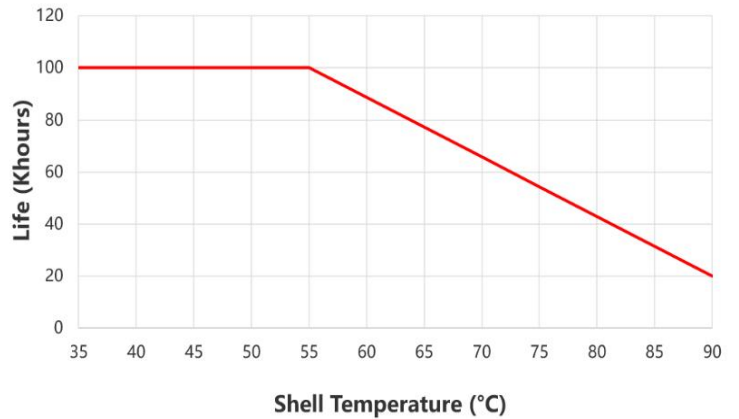
Output Load - Ambient Temperature Curve



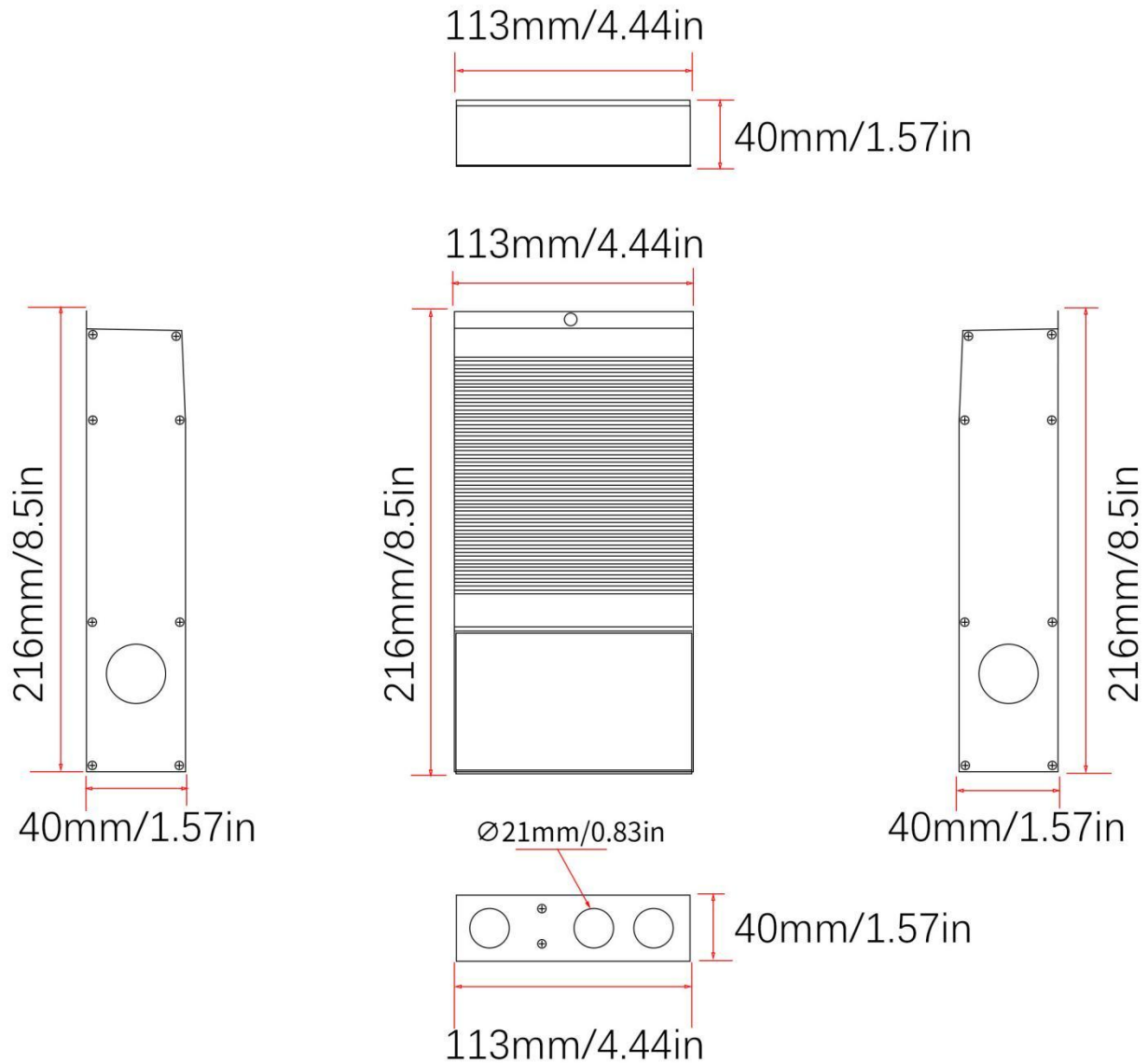
THD - Output Power Curve



Life - Shell Temperature Curve



■ Mechanical Specification



Note:

AC Input Cord	UL 1015 #18AWG 0.824mm ² , Green: Ground, Black: L, White: N
DC Output Cord	UL 1015 #18AWG 0.824mm ² , 2 x Red: V+, 2 x Blue: V-;
Signal Cord	UL SJTW #18AWG 2*0.82mm ² ; Gray Dim-, Purple Dim+

Label

100
50

Dimmable LED Driver (5 In 1 Dimming)
 for Triac/Phase-cut, 0-10V, 1-10V, Resistance, PWM Dimmers
MODEL: KS-24192-MP
 INPUT: 100-277VAC~, 2.35A max, 50/60Hz
 OUTPUT: 2 Channels (each 24VDC, 96W max)
 Manufacturer: Shenzhen Keysun Technology Limited
 MADE IN CHINA
 S/N: XX-XXXXXXXXXX

INPUT		
GREEN	WHITE	BLACK
GND	N	L

0% Triac dimmable 100%

0/1-10V dimmable

Class 2
Class P
TYPE HL RoHS SELV

CAUTION! RISK OF ELECTRICAL SHOCK
 TYPE 4R ENCLOSURE - RAINPROOF SUITABLE FOR WET LOCATIONS
 CONFORMS UL cUL 8750 CONFORMS FCC
 CONFORMS CAN/CSA-C22.2 NO.250.13

INTERCONNECT OF OUTPUT IS NOT PERMITTED

OUTPUT	
RED	BLUE
+	-

OUTPUT	
RED	BLUE
+	-

0-10V DIMMER	
PURPLE	+
GRAY	-

Package Information

Brown box: 230*116*45mm ; Carton: 370*245*250mm; Quantity: 15pcs/carton; G.W: 18kgs/Carton.

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