LED Drivers
Specification Sheet

Beamever

Project:	
Type:	

KV SERIES
Non Dimmable LED Driver

Product Features

- Constant Voltage Driver
- Universal Input: 100-277VAC
- With slightly adjustable output voltage
- Power Factor: up to 0.99
- Efficiency: up to 82%
- Protection: short circuit/over load/over heat
- Dry/damp locations

c(UL)us LISTED E495946   FC   Class 2   Class P

Product Code

MODEL
KV-24030-ASW

CERTIFICATES
FCC UL cUL Class 2

KV	-	XX	XXX	-	AS	X
Series		Voltage	Power		Dimming	Enclosure
		24 -24VDC	030 -30W		Non Dimmable	W -wide case

Specifications

OUTPUT	
DC Voltage:	24V
Adj. Voltage Range:	21.5-25.5V
Rated Current:	1.25A
Rated Power:	30W
Voltage Tolerance:	±0.5V
Voltage Regulation:	±0.5%
Load Regulation:	±1%

INPUT	
Voltage Range:	100-277VAC
Frequency:	47-63Hz
Power Factor (Typ.) @full load:	0.99 @120VAC 0.98 @230VAC 0.96 @277VAC
THD (Typ.) @full load:	<15% @120VAC <20% @230VAC <20% @277VAC
Efficiency (Typ.) @full load:	82% @120VAC 82% @230VAC 81% @ 277VAC
AC Current (Max.):	0.5A @100VAC
Inrush Current (Typ.):	7A, 50%, 420us @120VAC 30A, 50% 90us@230VAC 12A, 50%480us@277VAC
Leakage Current:	<0.50mA

Designer's Custom Playground

PROTECTION	
Short Circuit:	Shut down o/p voltage, re-power on to reset after fault condition is removed
Over Loading:	≤120% hiccup mode, recover automatically after fault condition is removed
Over Temperature:	100℃±10℃ shut down o/p voltage, automatically recover after cooling

ENVIRONMENT	
Working Temp.:	-40~+60℃ (-40˚ to 140℉)
Working Humidity:	20~90% RH, non-condensing
Storage Temp., Humidity:	-40~+80℃ (-40˚ to 176℉), 10-95% RH
Temp. Coefficient:	±0.03%/℃ (0-50℃)
Vibration:	10~500Hz, 2G 10min./1 cycle, period for 60min., each along X, Y, Z axis

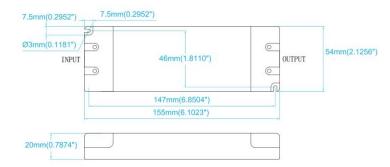| SAFTY & EMC	
Safety Standards:	UL8750+UL1310
Withstand Voltage:	I/P-O/P: 1.88KVAC
Isolation Resistance:	I/P-O/P: 100MΩ/500VDC/25℃/70%RH
EMC Emission:	FCC Part 15

OTHERS	
Net. Weight:	0.21 kg
Size:	6.10*2.12*0.78 inch / 155*54*20mm (L*W*H)

Notes:

1. All parameters if NOT specially mentioned are measured at 120VAC input, under rated load and 25℃ (77˚F) of ambient temperature.

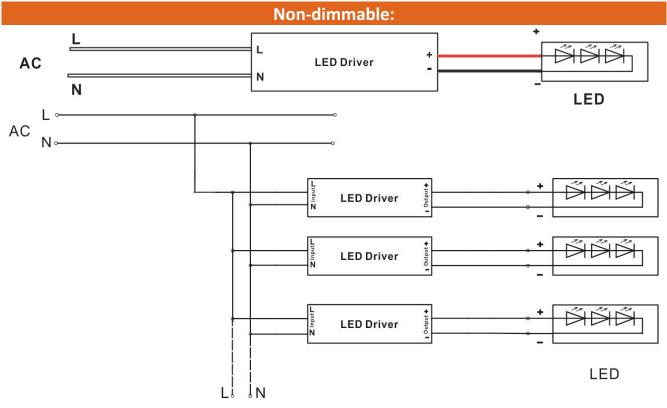2. To ensure the driver's long life, please derate the output when input voltage is low.

2 | Designer's Custom Playground
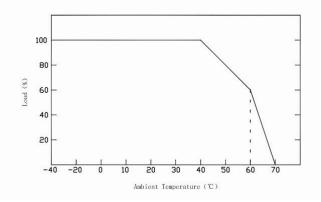
Beamever.inc. · www.beameverusa.com · info@beamever.com
Specification subject to change without notice. Rev-2024-4-23

Dimensions

7.5mm(0.2952") 7.5mm(0.2952")
Ø3mm(0.1181")
INPUT 46mm(1.8110") OUTPUT 54mm(2.1256")
147mm(6.8504")
155mm(6.1023")
20mm(0.7874")

1. The input terminal L and N connected to AC.
2. The output terminal connected to LED+ and LED-.

Wiring Diagram

Non-dimmable:

Derating Curve

*To ensure the driver's long life, please refer to the Derating Curve and derate according to the ambient temperature.