

Constant current LED driver
Total power: 36W
Input voltage: 120Vac \pm 10%
Number of outputs: One
UL 8750
IP20 design for dry and damp location
Dimmable with leading / trailing edge dimmer
5 year warranty

ELECTRICAL SPECIFICATIONS

Input voltage range:	120Vac \pm 10%
Frequency:	60Hz
Power factor:	> 0.9 under 120Vac input with 80~100% load condition (for all output currents)
Inrush current:	10A @120V
Max input current:	0.38A @120V
THD:	< 20% under 120Vac input with 80~100% load condition (for all output currents)
Load Regulation:	\pm 2%
Line Regulation:	\pm 1%
Voltage Tolerance:	\pm 5% at full load condition
Turn-on Delay Time:	< 0.75s at full load condition
Overshoot:	< 10% at full load condition
No Load Power Consumption:	< 2W
Ripple & Noise (pk-pk):	< 10%
Withstand voltage:	Input to output, 2,800Vdc, 2mA
Leakage current:	Maximum 0.5mA at 120Vac, 60Hz input
Protection:	Over voltage protection: Hiccup mode. Protection will trigger when load voltage exceed specified output voltage and will auto recover after the fault mode is removed. Over current protection: Hiccup mode. Protection will trigger when load current exceed specified output current and will auto recover after the fault mode is removed. Short circuit protection: Hiccup mode. Protection will trigger when short circuit and will auto recover after the fault mode is removed.

ENVIRONMENTAL SPECIFICATIONS

Operating temperature:	-40 to 60°C
Storage temperature:	-40 to 85°C
Humidity:	5% to 95%
MTBF:	588,000 hours at 40°C ambient (~70°C Case temp)
Life rating:	92,500 hours at 120Vac input, 100% load and 60°C case temperature
Maximum case Temperature :	90°C

SAFETY AND EMC COMPLIANCE

UL/cUL	UL 8750
CE	EN61347-1, EN61347-2-13
FCC, 47CFR Part 15	ANSI C63.4:2009 Class B (Consumer Limit)
EN61000-3-2	Harmonic Current Emissions Class C

PRODUCT SPECIFICATIONS

Model Number	Max output power	Output Current	Output Voltage	OCV	Efficiency at 120V (Typ.)	Remote mounting distance (#18 AWG)	Class 2	
							US	Canada
KTLD-36-1-650-FDIM-AK2	36W	650mA	19-55V	60V	83%	57 ft	✓	-
KTLD-36-1-700-FDIM-AK2	36W	700mA	17-51V	56V	83%	54 ft	✓	-
KTLD-36-1-800-FDIM-AK2	36W	800mA	15-45V	50V	83%	48 ft	✓	-
KTLD-36-1-900-FDIM-AK2	36W	900mA	13-40V	45V	83%	42 ft	✓	✓
KTLD-36-1-1000-FDIM-AK2	36W	1000mA	12-36V	41V	83%	38 ft	✓	✓
KTLD-36-1-1100-FDIM-AK2	36W	1100mA	11-33V	39V	82%	34 ft	✓	✓
KTLD-36-1-1200-FDIM-AK2	36W	1200mA	10-30V	37V	82%	32 ft	✓	✓
KTLD-36-1-1300-FDIM-AK2	36W	1300mA	10-28V	35V	82%	29 ft	✓	✓
KTLD-36-1-1320-FDIM-AK2	36W	1320mA	10-27V	34V	82%	28 ft	✓	✓
KTLD-36-1-1400-FDIM-AK2	36W	1400mA	10-26V	33V	82%	27 ft	✓	✓
KTLD-36-1-1500-FDIM-AK2	36W	1500mA	10-24V	31V	82%	25 ft	✓	✓
KTLD-36-1-1600-FDIM-AK2	36W	1600mA	10-22.5V	29V	81%	24 ft	✓	✓
KTLD-36-1-1700-FDIM-AK2	36W	1700mA	10-21V	27V	81%	22 ft	✓	✓
KTLD-36-1-1800-FDIM-AK2	36W	1800mA	10-20V	26V	81%	21 ft	✓	✓
KTLD-36-1-1900-FDIM-AK2	36W	1900mA	10-19V	25V	81%	20 ft	✓	✓
KTLD-36-1-2000-FDIM-AK2	36W	2000mA	10-18V	24V	80%	19 ft	✓	✓

PHYSICAL DIMENSIONS

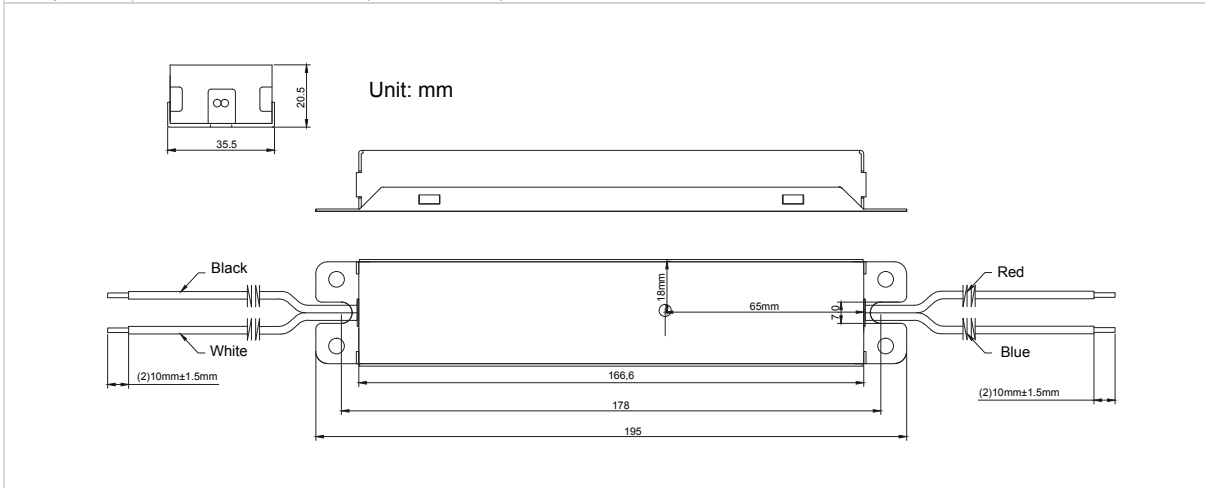
Length (L):	7.68" (195mm)
Width (W):	1.42" (36mm)
Height (H):	0.83" (21mm)
Mounting (M):	7.01" (178mm)

PACKAGING

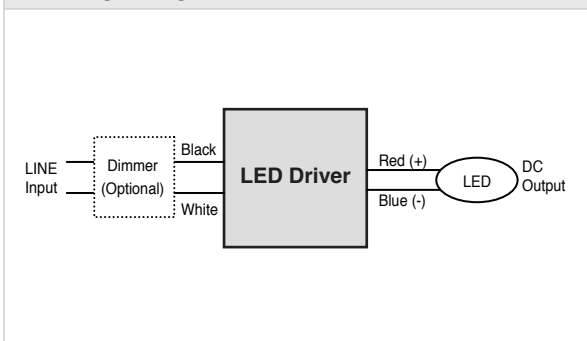
0.31kg / unit ; 50pcs / carton ; 2,400pcs / pallet	
Carton size:	430 x 245 x 135 mm
Carton weight:	16 kg
Case Material:	Metal

WIRE SPECIFICATIONS

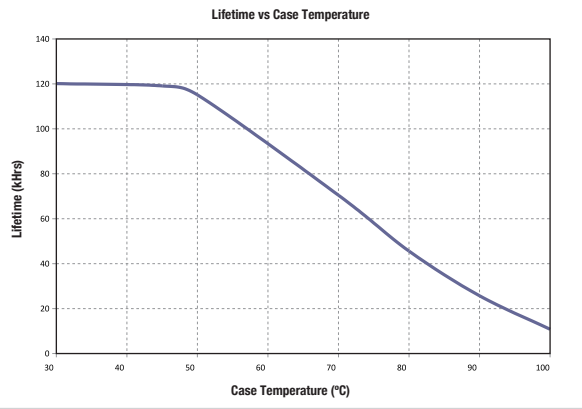
Input:	12", UL 1316 #18AWG (Black and White)
Output:	12", UL 1316 #18AWG (Red and Blue)



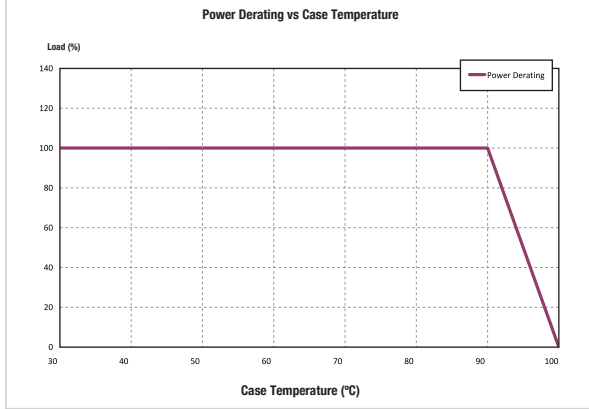
WIRING DIAGRAM



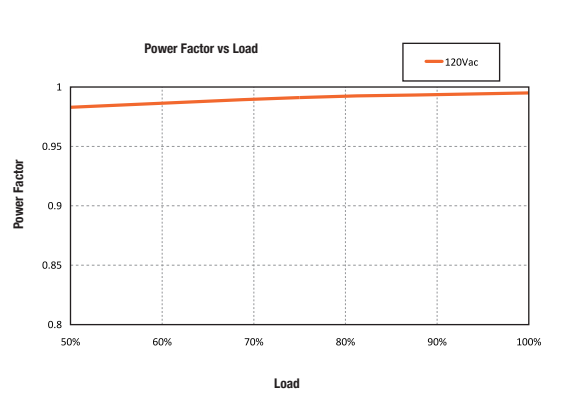
LIFETIME vs CASE TEMPERATURE



POWER DERATING vs CASE TEMPERATURE



POWER FACTOR vs LOAD



EFFICIENCY vs LOAD

