



# KTLD-15-UV-PS300-54-VDIM-LP1

## CONSTANT CURRENT LED DRIVER

### DESCRIPTION

LED Driver | 15W | 120~277V Input | 200, 230, 270 or 300mA Output



<b>TOTAL POWER:</b> 15W
<b>INPUT VOLTAGE:</b> 120~277Vac ± 10%
<b>INPUT FREQUENCY:</b> 50/60 Hz
<b>OUTPUT CURRENT:</b> 200, 230, 270 or 300mA
<b>DIMMING:</b> 0-10V
<b>WARRANTY:</b> 5 Years



### ELECTRICAL SPECIFICATIONS

Input Voltage Range	120~277Vac ± 10%
Frequency	50/60 Hz
Power Factor	> 0.9 under 120~277Vac input with 80~100% load condition (For All Output Currents)
Inrush Current	TBD
Max. Input Current	TBD
THD	< 20% under 120~277Vac input with 80~100% load condition (For All Output Currents)
Load Regulation	± 2%
Line Regulation	± 2%
Output Tolerance	± 5% at Full Load Condition
Turn-On Delay Time	< 0.5s at Full Load Condition
Overshoot	< 10% at Full Load Condition
No Load Power Consumption	< 1W
Ripple & Noise (pk-pk)	< 10%
Withstand Voltage	Input to output, 2,800Vdc, 2mA
Leakage Current	Maximum 0.5mA at 277Vac, 60Hz input
Minimum Dim %	~10% Dimming
Protection	<ul style="list-style-type: none"> <li>• <b>Over Voltage Protection:</b> Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.</li> <li>• <b>Over Current Protection:</b> Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.</li> <li>• <b>Short Circuit Protection:</b> Hiccup mode. Protection will trigger when short circuited and will auto recover after the fault mode is removed.</li> </ul>

### PRODUCT SPECIFICATIONS

Catalog Number	Output Current	Output Voltage	Output Power	OCV	Typical Efficiency at 120V	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#18 AWG)	Class 2	
									US	Canada
KTLD-15-UV-PS300-54-VDIM-LP1	200mA	30-54V	10.8W	60V	84%	84%	84%	124 ft	✓	
	230mA	30-54V	12.4W							
	270mA	30-54V	14.6W							
	300mA	30-54V	16.2W							

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40°C/-40°F to 60°C/140°F
Storage Temperature	-40°C/-40°F to 85°C/185°F
Humidity	5% to 95%
MTBF	365,000 hours at 40°C/104°F ambient (~70°C/158°F Case temp)
Life Rating	85,000 hours at 120Vac input, 100% load and 60°C/140°F case temperature
Maximum Case Temperature	90°/194°F

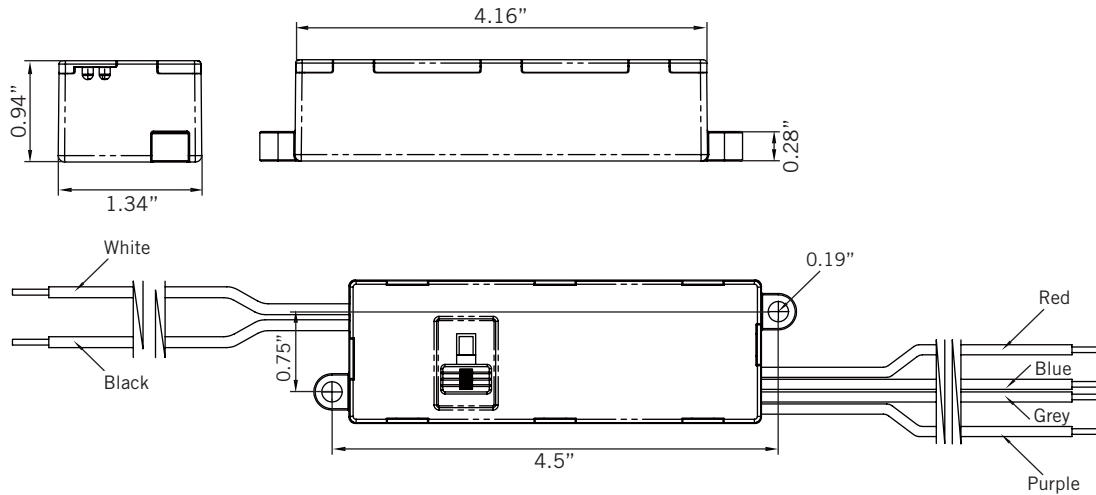
### SAFETY AND EMC COMPLIANCE

UL/cUL	UL 8750, Class P
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

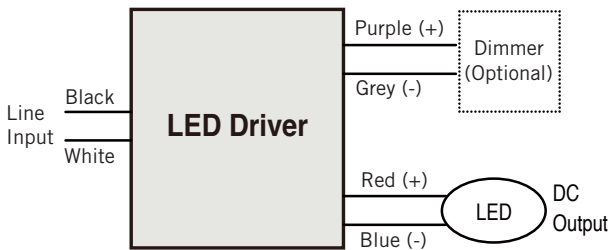
# KTLD-15-UV-PS300-54-VDIM-LP1

## CONSTANT CURRENT LED DRIVER

### PHYSICAL SPECIFICATIONS



### WIRING DIAGRAM

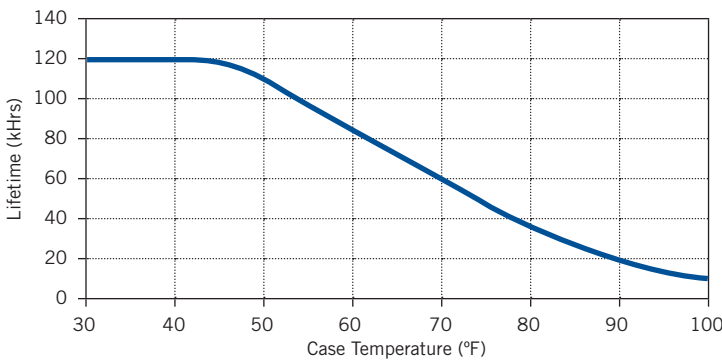


### WIRING SPECIFICATIONS

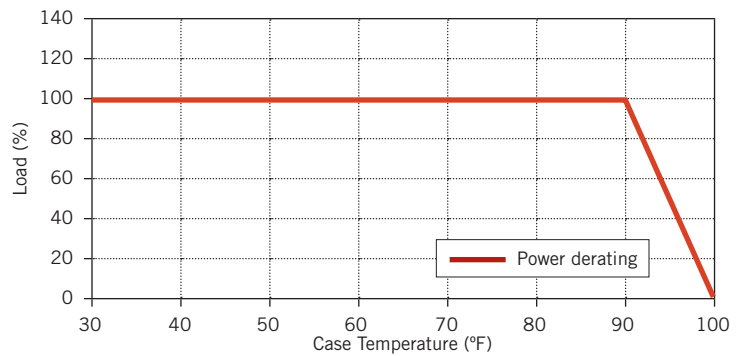
<b>INPUT</b>	12", UL 1569 #18AWG (Black and White)
<b>OUTPUT</b>	12", UL 1569 #18AWG (Red and Blue)
<b>DIMMING</b>	12", UL 1569 #18AWG (Purple and Grey)

### PERFORMANCE SPECIFICATIONS

#### LIFETIME VS CASE TEMPERATURE



#### POWER DERATING VS CASE TEMPERATURE

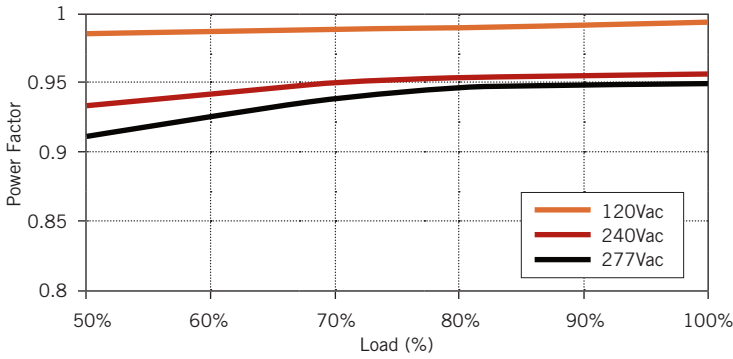




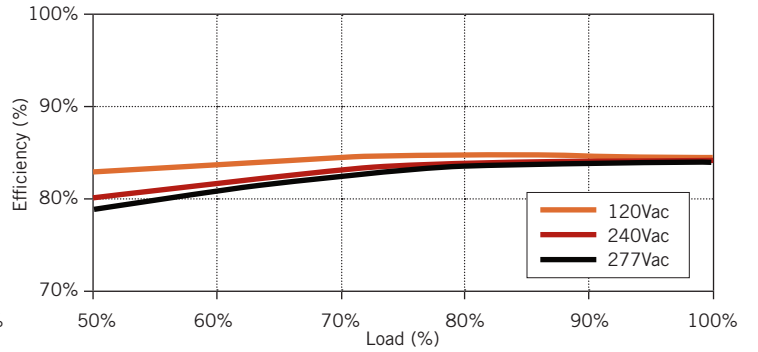
# KTLD-15-UV-PS300-54-VDIM-LP1

## CONSTANT CURRENT LED DRIVER

**POWER FACTOR VS LOAD**



**EFFICIENCY VS LOAD**



**ORDERING INFORMATION**

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-15-UV-PS300-54-VDIM-LP1	Carton Pack	TBD	Quick Ship

**CATALOG NUMBER BREAKDOWN**

# KTLD-15-UV-PS300-54-VDIM-LP1

- 1**
- 2**
- 3**
- 4**
- 5**
- 6**
- 7**
- 8**

- 1** Keystone Technologies LED Driver
- 2** Max. Output Wattage
- 3** 120-277V Input
- 4** Power Select Series
- 5** Max. Output Current
- 6** Max. Output Voltage
- 7** 0-10V Dimming
- 8** Case Style



# KTLD-15-UV-PS350-42-VDIM-LP1

## CONSTANT CURRENT LED DRIVER



### DESCRIPTION

LED Driver | 15W | 120-277V Input | 260, 290, 320 or 350mA Output

<b>TOTAL POWER:</b> 15W
<b>INPUT VOLTAGE:</b> 120~277Vac ± 10%
<b>INPUT FREQUENCY:</b> 50/60 Hz
<b>OUTPUT CURRENT:</b> 260, 290, 320 or 350mA
<b>DIMMING:</b> 0-10V
<b>WARRANTY:</b> 5 Years



### ELECTRICAL SPECIFICATIONS

<b>Input Voltage Range</b>	120~277Vac ± 10%
<b>Frequency</b>	50/60 Hz
<b>Power Factor</b>	> 0.9 under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Inrush Current</b>	TBD
<b>Max. Input Current</b>	TBD
<b>THD</b>	< 20% under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Load Regulation</b>	± 2%
<b>Line Regulation</b>	± 2%
<b>Output Tolerance</b>	± 5% at Full Load Condition
<b>Turn-On Delay Time</b>	< 0.5s at Full Load Condition
<b>Overshoot</b>	< 10% at Full Load Condition
<b>No Load Power Consumption</b>	< 1W
<b>Ripple &amp; Noise (pk-pk)</b>	< 10%
<b>Withstand Voltage</b>	Input to output, 2,800Vdc, 2mA
<b>Leakage Current</b>	Maximum 0.5mA at 277Vac, 60Hz input
<b>Minimum Dim %</b>	~10% Dimming
<b>Protection</b>	<ul style="list-style-type: none"> <li>• <b>Over Voltage Protection:</b> Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.</li> <li>• <b>Over Current Protection:</b> Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.</li> <li>• <b>Short Circuit Protection:</b> Hiccup mode. Protection will trigger when short circuited and will auto recover after the fault mode is removed.</li> </ul>

### PRODUCT SPECIFICATIONS

Catalog Number	Output Current	Output Voltage	Output Power	OCV	Typical Efficiency at 120V	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#18 AWG)	Class 2	
									US	Canada
KTLD-15-UV-PS350-42-VDIM-LP1	260mA	20-42V	10.9W	47V	84%	84%	84%	106 ft	✓	✓
	290mA	20-42V	12.2W							
	320mA	20-42V	13.4W							
	350mA	20-42V	14.7W							

### ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temperature</b>	-40°C/-40°F to 60°C/140°F
<b>Storage Temperature</b>	-40°C/-40°F to 85°C/185°F
<b>Humidity</b>	5% to 95%
<b>MTBF</b>	365,000 hours at 40°C/104°F ambient (~70°C/158°F Case temp)
<b>Life Rating</b>	85,000 hours at 120Vac input, 100% load and 60°C/140°F case temperature
<b>Maximum Case Temperature</b>	90°/194°F

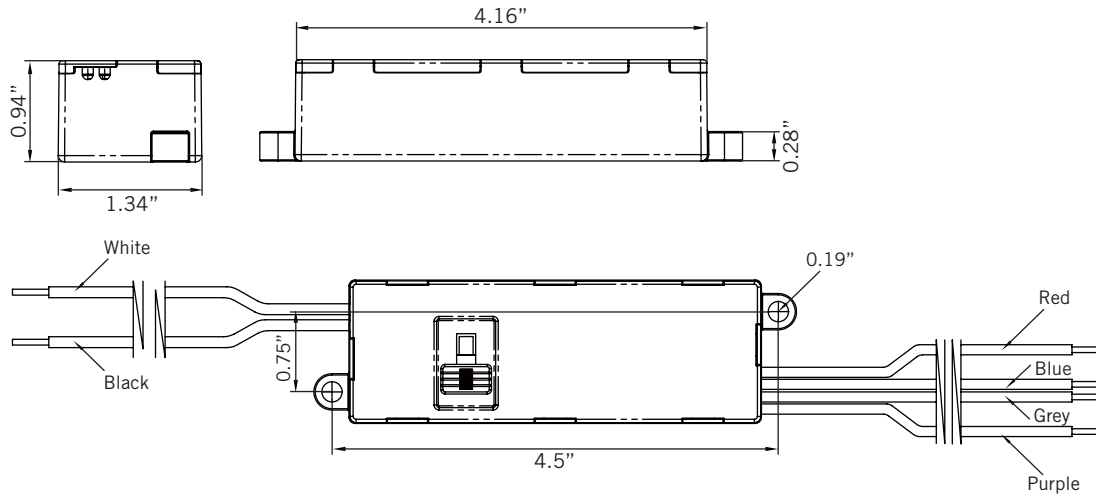
### SAFETY AND EMC COMPLIANCE

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

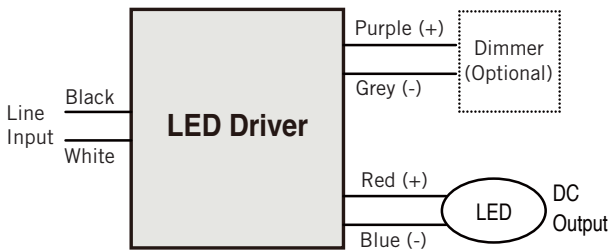
# KTLD-15-UV-PS350-42-VDIM-LP1

## CONSTANT CURRENT LED DRIVER

### PHYSICAL SPECIFICATIONS



### WIRING DIAGRAM

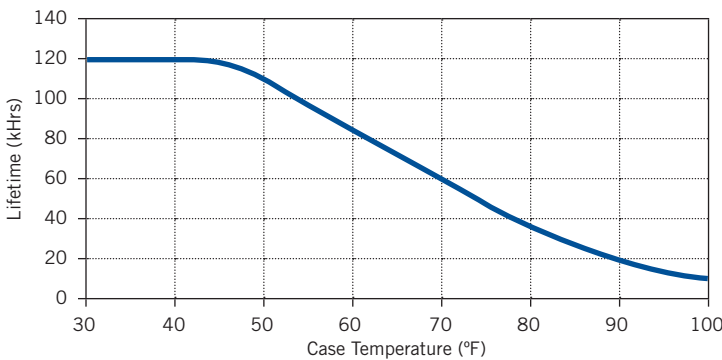


### WIRING SPECIFICATIONS

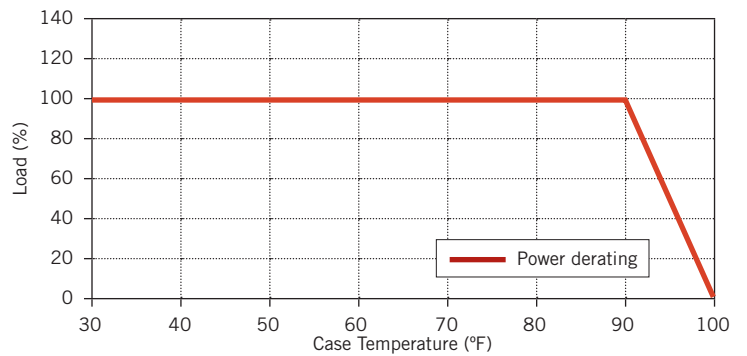
<b>INPUT</b>	12", UL 1569 #18AWG (Black and White)
<b>OUTPUT</b>	12", UL 1569 #18AWG (Red and Blue)
<b>DIMMING</b>	12", UL 1569 #18AWG (Purple and Grey)

### PERFORMANCE SPECIFICATIONS

#### LIFETIME VS CASE TEMPERATURE



#### POWER DERATING VS CASE TEMPERATURE

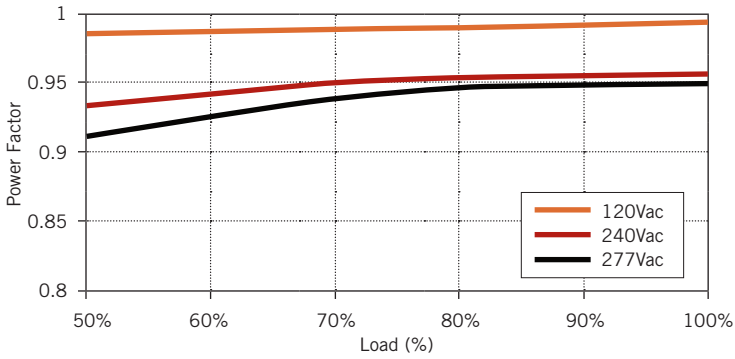




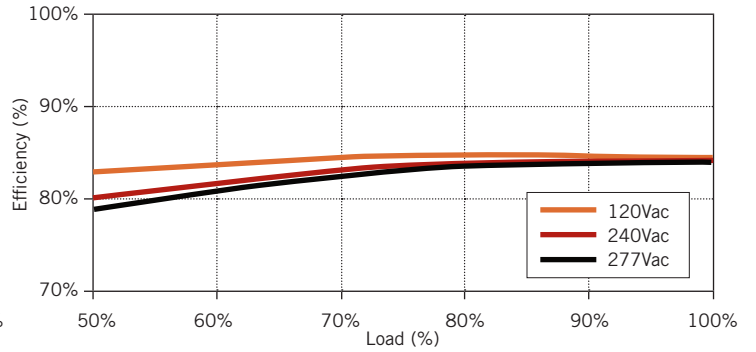
# KTLD-15-UV-PS350-42-VDIM-LP1

## CONSTANT CURRENT LED DRIVER

**POWER FACTOR VS LOAD**



**EFFICIENCY VS LOAD**



**ORDERING INFORMATION**

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-15-UV-PS350-42-VDIM-LP1	Carton Pack	TBD	Quick Ship

**CATALOG NUMBER BREAKDOWN**

# KTLD-15-UV-PS350-42-VDIM-LP1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

- 1** Keystone Technologies LED Driver
- 2** Max. Output Wattage
- 3** 120-277V Input
- 4** Power Select Series
- 5** Max. Output Current
- 6** Max. Output Voltage
- 7** 0-10V Dimming
- 8** Case Style



# KTLD-25-UV-PS450-54-VDIM-LP2

## CONSTANT CURRENT LED DRIVER

### DESCRIPTION

LED Driver | 25W | 120-277V Input | 300, 350, 400 or 450mA Output



<b>TOTAL POWER:</b> 25W
<b>INPUT VOLTAGE:</b> 120~277Vac ± 10%
<b>INPUT FREQUENCY:</b> 50/60 Hz
<b>OUTPUT CURRENT:</b> 300, 350, 400 or 450mA
<b>DIMMING:</b> 0-10V
<b>WARRANTY:</b> 5 Years



### ELECTRICAL SPECIFICATIONS

<b>Input Voltage Range</b>	120~277Vac ± 10%
<b>Frequency</b>	50/60 Hz
<b>Power Factor</b>	> 0.9 under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Inrush Current</b>	TBD
<b>Max. Input Current</b>	TBD
<b>THD</b>	< 20% under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Load Regulation</b>	± 2%
<b>Line Regulation</b>	± 2%
<b>Output Tolerance</b>	± 5% at Full Load Condition
<b>Turn-On Delay Time</b>	< 0.5s at Full Load Condition
<b>Overshoot</b>	< 10% at Full Load Condition
<b>No Load Power Consumption</b>	< 1W
<b>Ripple &amp; Noise (pk-pk)</b>	< 10%
<b>Withstand Voltage</b>	Input to output, 2,800Vdc, 2mA
<b>Leakage Current</b>	Maximum 0.5mA at 277Vac, 60Hz input
<b>Minimum Dim %</b>	~10% Dimming
<b>Protection</b>	<ul style="list-style-type: none"> <li>• <b>Over Voltage Protection:</b> Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.</li> <li>• <b>Over Current Protection:</b> Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.</li> <li>• <b>Short Circuit Protection:</b> Hiccup mode. Protection will trigger when short circuited and will auto recover after the fault mode is removed.</li> </ul>

### PRODUCT SPECIFICATIONS

Catalog Number	Output Current	Output Voltage	Output Power	OCV	Typical Efficiency at 120V	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#18 AWG)	Class 2	
									US	Canada
KTLD-25-UV-PS450-54-VDIM-LP2	300mA	30-54V	16.2W	60V	87%	88%	88%	83 ft	✓	
	350mA	30-54V	18.9W							
	400mA	30-54V	21.6W							
	450mA	30-54V	24.3W							

### ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temperature</b>	-40°C/-40°F to 60°C/140°F
<b>Storage Temperature</b>	-40°C/-40°F to 85°C/185°F
<b>Humidity</b>	5% to 95%
<b>MTBF</b>	365,000 hours at 40°C/104°F ambient (~70°C/158°F Case temp)
<b>Life Rating</b>	85,000 hours at 120Vac input, 100% load and 60°C/140°F case temperature
<b>Maximum Case Temperature</b>	90°/194°F

### SAFETY AND EMC COMPLIANCE

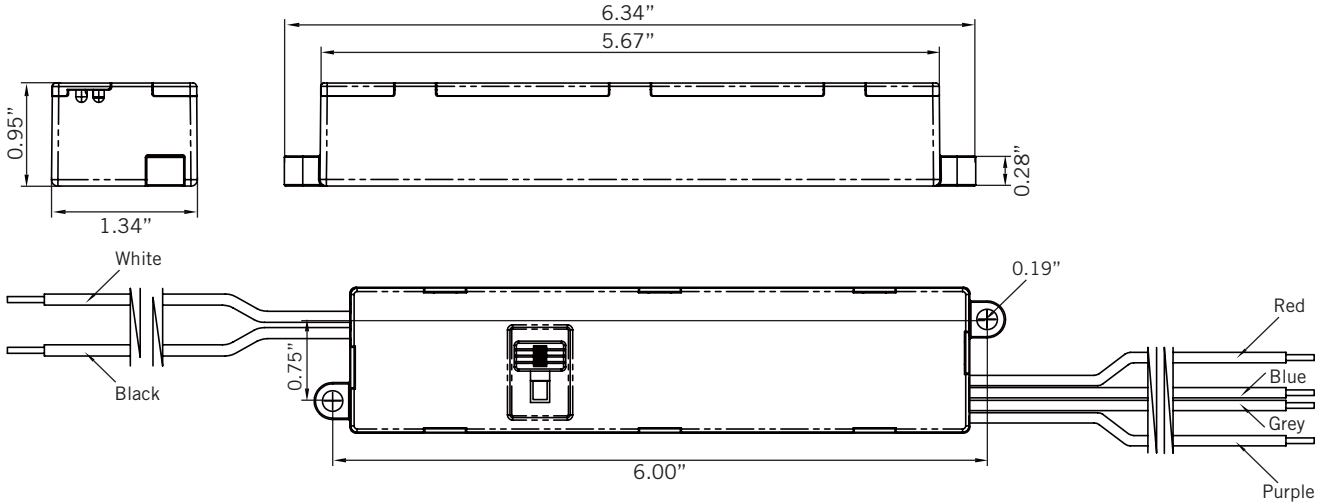
<b>UL/cUL</b>	UL 8750, Class P
<b>CE</b>	EN61347-1, EN61347-2-13
<b>FCC, 47CFR Part 15</b>	ANSI C63.4:2009 Class B (Consumer Limit)
<b>EN61000-3-2</b>	Harmonic Current Emissions Class C



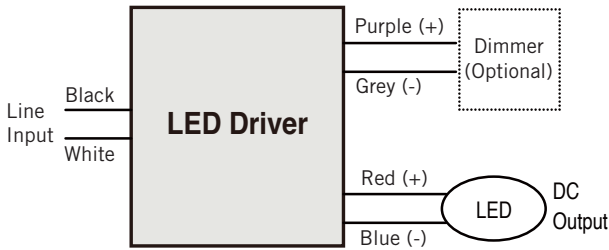
# KTLD-25-UV-PS450-54-VDIM-LP2

## CONSTANT CURRENT LED DRIVER

### PHYSICAL SPECIFICATIONS



### WIRING DIAGRAM

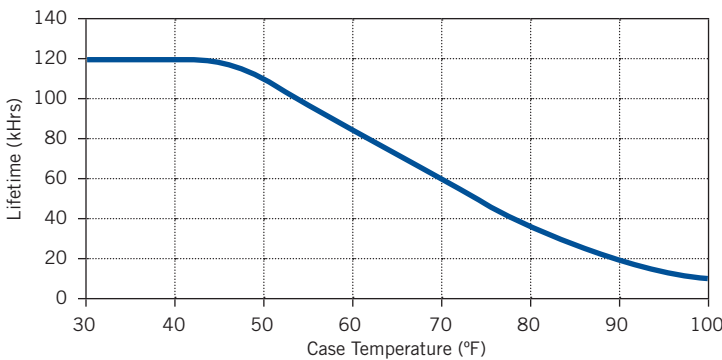


### WIRING SPECIFICATIONS

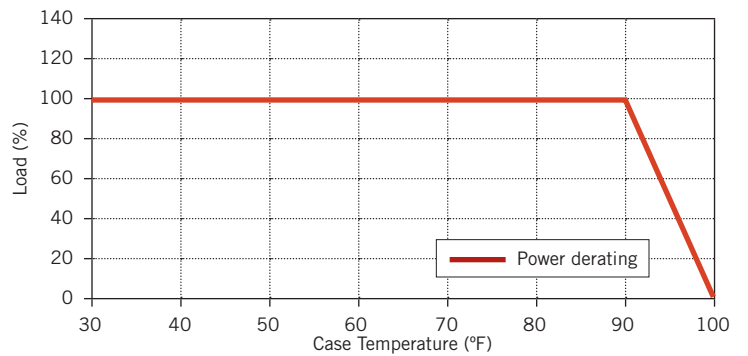
<b>INPUT</b>	12", UL 1569 #18AWG (Black and White)
<b>OUTPUT</b>	12", UL 1569 #18AWG (Red and Blue)
<b>DIMMING</b>	12", UL 1569 #18AWG (Purple and Grey)

### PERFORMANCE SPECIFICATIONS

**LIFETIME VS CASE TEMPERATURE**



**POWER DERATING VS CASE TEMPERATURE**



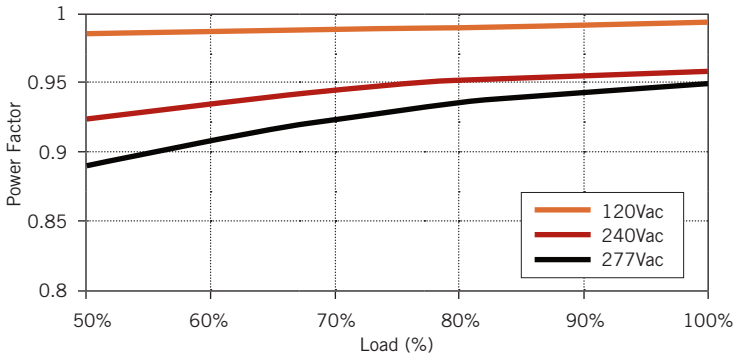




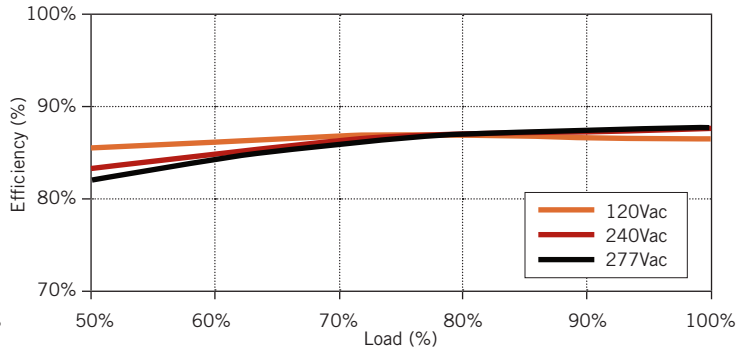
# KTLD-25-UV-PS450-54-VDIM-LP2

## CONSTANT CURRENT LED DRIVER

**POWER FACTOR VS LOAD**



**EFFICIENCY VS LOAD**



**ORDERING INFORMATION**

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-25-UV-PS450-54-VDIM-LP2	Carton Pack	TBD	Quick Ship

**CATALOG NUMBER BREAKDOWN**

# KTLD-25-UV-PS450-54-VDIM-LP2

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

- 1** Keystone Technologies LED Driver
- 2** Max. Output Wattage
- 3** 120-277V Input
- 4** Power Select Series
- 5** Max. Output Current
- 6** Max. Output Voltage
- 7** 0-10V Dimming
- 8** Case Style



# KTLD-25-UV-PS600-42-VDIM-LP2

## CONSTANT CURRENT LED DRIVER

### DESCRIPTION

LED Driver | 25W | 120-277V Input | 450, 500, 550 or 600mA Output



<b>TOTAL POWER:</b> 25W
<b>INPUT VOLTAGE:</b> 120~277Vac ± 10%
<b>INPUT FREQUENCY:</b> 50/60 Hz
<b>OUTPUT CURRENT:</b> 450, 500, 550 or 600mA
<b>DIMMING:</b> 0-10V
<b>WARRANTY:</b> 5 Years



### ELECTRICAL SPECIFICATIONS

<b>Input Voltage Range</b>	120~277Vac ± 10%
<b>Frequency</b>	50/60 Hz
<b>Power Factor</b>	> 0.9 under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Inrush Current</b>	TBD
<b>Max. Input Current</b>	TBD
<b>THD</b>	< 20% under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Load Regulation</b>	± 2%
<b>Line Regulation</b>	± 2%
<b>Output Tolerance</b>	± 5% at Full Load Condition
<b>Turn-On Delay Time</b>	< 0.5s at Full Load Condition
<b>Overshoot</b>	< 10% at Full Load Condition
<b>No Load Power Consumption</b>	< 1W
<b>Ripple &amp; Noise (pk-pk)</b>	< 10%
<b>Withstand Voltage</b>	Input to output, 2,800Vdc, 2mA
<b>Leakage Current</b>	Maximum 0.5mA at 277Vac, 60Hz input
<b>Minimum Dim %</b>	~10% Dimming
<b>Protection</b>	<ul style="list-style-type: none"> <li>• <b>Over Voltage Protection:</b> Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.</li> <li>• <b>Over Current Protection:</b> Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.</li> <li>• <b>Short Circuit Protection:</b> Hiccup mode. Protection will trigger when short circuited and will auto recover after the fault mode is removed.</li> </ul>

### PRODUCT SPECIFICATIONS

Catalog Number	Output Current	Output Voltage	Output Power	OCV	Typical Efficiency at 120V	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#18 AWG)	Class 2	
									US	Canada
KTLD-25-UV-PS600-42-VDIM-LP2	450mA	20-42V	18.9W	47V	86%	87%	87%	62 ft	✓	✓
	500mA	20-42V	21.0W							
	550mA	20-42V	23.1W							
	600mA	20-42V	25.2W							

### ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temperature</b>	-40°C/-40°F to 60°C/140°F
<b>Storage Temperature</b>	-40°C/-40°F to 85°C/185°F
<b>Humidity</b>	5% to 95%
<b>MTBF</b>	365,000 hours at 40°C/104°F ambient (~70°C/158°F Case temp)
<b>Life Rating</b>	85,000 hours at 120Vac input, 100% load and 60°C/140°F case temperature
<b>Maximum Case Temperature</b>	90°/194°F

### SAFETY AND EMC COMPLIANCE

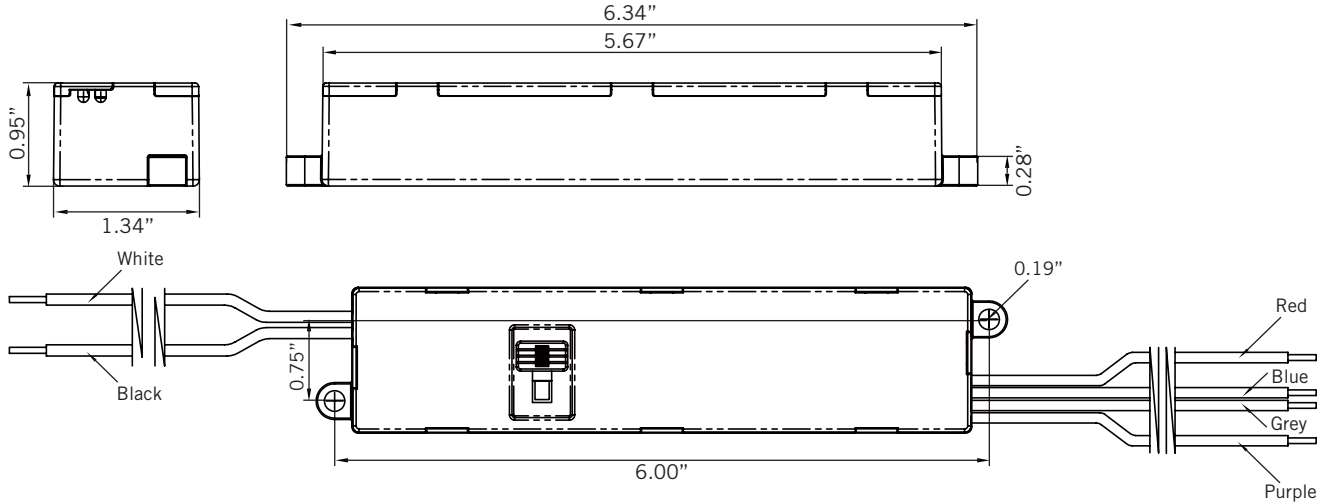
<b>UL/cUL</b>	UL 8750, Class P
<b>CE</b>	EN61347-1, EN61347-2-13
<b>FCC, 47CFR Part 15</b>	ANSI C63.4:2009 Class B (Consumer Limit)
<b>EN61000-3-2</b>	Harmonic Current Emissions Class C



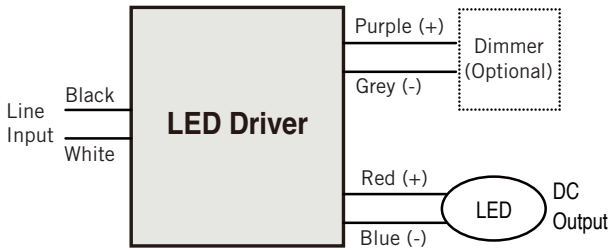
# KTLD-25-UV-PS600-42-VDIM-LP2

## CONSTANT CURRENT LED DRIVER

### PHYSICAL SPECIFICATIONS



### WIRING DIAGRAM

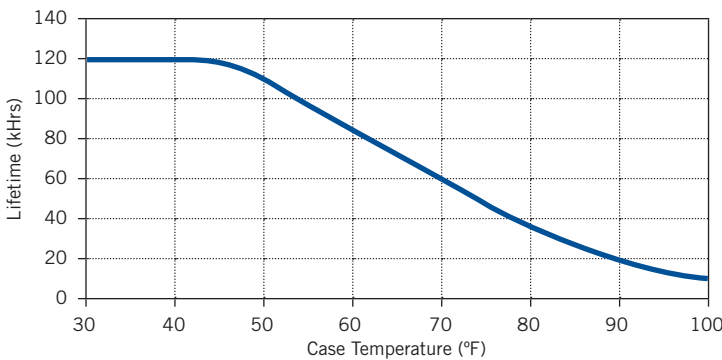


### WIRING SPECIFICATIONS

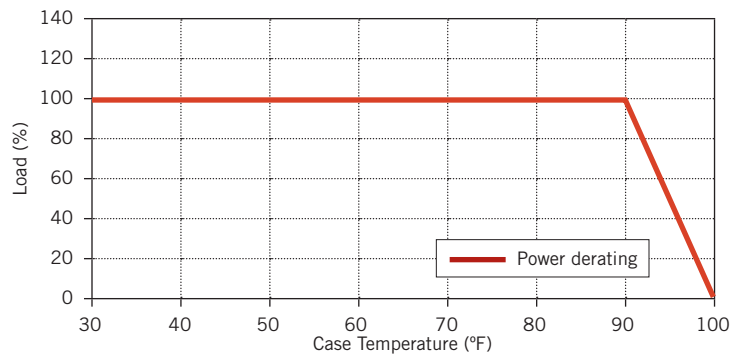
<b>INPUT</b>	12", UL 1569 #18AWG (Black and White)
<b>OUTPUT</b>	12", UL 1569 #18AWG (Red and Blue)
<b>DIMMING</b>	12", UL 1569 #18AWG (Purple and Grey)

### PERFORMANCE SPECIFICATIONS

**LIFETIME VS CASE TEMPERATURE**



**POWER DERATING VS CASE TEMPERATURE**

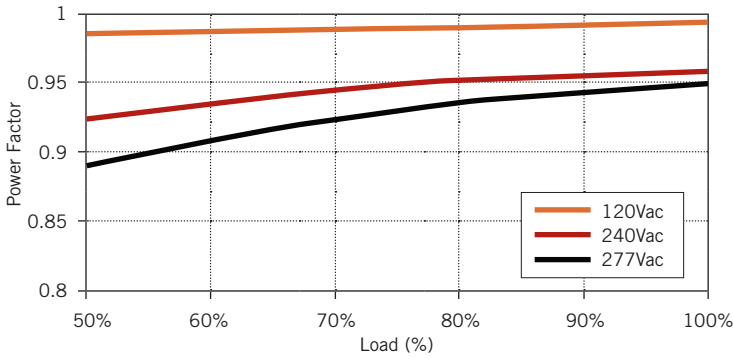




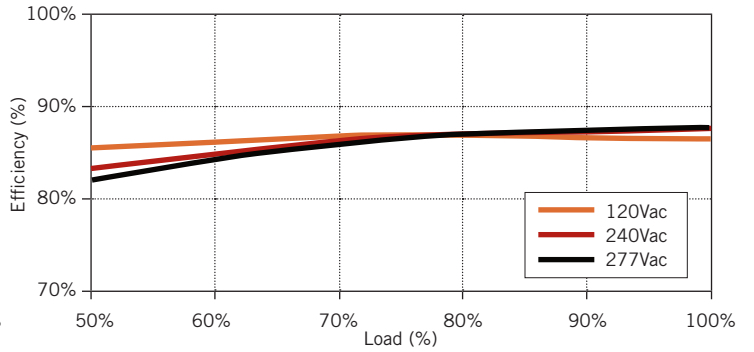
# KTLD-25-UV-PS600-42-VDIM-LP2

## CONSTANT CURRENT LED DRIVER

**POWER FACTOR VS LOAD**



**EFFICIENCY VS LOAD**



**ORDERING INFORMATION**

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-25-UV-PS600-42-VDIM-LP2	Carton Pack	TBD	Quick Ship

**CATALOG NUMBER BREAKDOWN**

# KTLD-25-UV-PS600-42-VDIM-LP2

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

- 1** Keystone Technologies LED Driver
- 2** Max. Output Wattage
- 3** 120-277V Input
- 4** Power Select Series
- 5** Max. Output Current
- 6** Max. Output Voltage
- 7** 0-10V Dimming
- 8** Case Style



# KTLD-35-UV-PS650-54-VDIM-LM1

## CONSTANT CURRENT LED DRIVER



### DESCRIPTION

LED Driver | 35W | 120-277V Input | 500, 550, 600 or 650mA Output

<b>TOTAL POWER:</b> 35W
<b>INPUT VOLTAGE:</b> 120~277Vac ± 10%
<b>INPUT FREQUENCY:</b> 50/60 Hz
<b>OUTPUT CURRENT:</b> 500, 550, 600 or 650mA
<b>DIMMING:</b> 0-10V
<b>WARRANTY:</b> 5 Years



### ELECTRICAL SPECIFICATIONS

<b>Input Voltage Range</b>	120~277Vac ± 10%
<b>Frequency</b>	50/60 Hz
<b>Power Factor</b>	> 0.9 under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Inrush Current</b>	TBD
<b>Max. Input Current</b>	TBD
<b>THD</b>	< 20% under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Load Regulation</b>	± 2%
<b>Line Regulation</b>	± 2%
<b>Output Tolerance</b>	± 5% at Full Load Condition
<b>Turn-On Delay Time</b>	< 0.5s at Full Load Condition
<b>Overshoot</b>	< 10% at Full Load Condition
<b>No Load Power Consumption</b>	< 2W
<b>Ripple &amp; Noise (pk-pk)</b>	< 10%
<b>Withstand Voltage</b>	Input to output, 2,800Vdc, 2mA
<b>Leakage Current</b>	Maximum 0.5mA at 277Vac, 60Hz input
<b>Minimum Dim %</b>	~10% Dimming
<b>Protection</b>	<ul style="list-style-type: none"> <li>• <b>Over Voltage Protection:</b> Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.</li> <li>• <b>Over Current Protection:</b> Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.</li> <li>• <b>Short Circuit Protection:</b> Hiccup mode. Protection will trigger when short circuited and will auto recover after the fault mode is removed.</li> </ul>

### PRODUCT SPECIFICATIONS

Catalog Number	Output Current	Output Voltage	Output Power	OCV	Typical Efficiency at 120V	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#18 AWG)	Class 2	
									US	Canada
KTLD-35-UV-PS650-54-VDIM-LM1	500mA	30-54V	27.0W	60V	90%	90%	90%	57 ft	✓	
	550mA	30-54V	29.7W							
	600mA	30-54V	32.4W							
	650mA	30-54V	35.1W							

### ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temperature</b>	-40°C/-40°F to 60°C/140°F
<b>Storage Temperature</b>	-40°C/-40°F to 85°C/185°F
<b>Humidity</b>	5% to 95%
<b>MTBF</b>	345,000 hours at 40°C/104°F ambient (~70°C/158°F Case temp)
<b>Life Rating</b>	85,000 hours at 120Vac input, 100% load and 60°C/140°F case temperature
<b>Maximum Case Temperature</b>	90°/194°F

### SAFETY AND EMC COMPLIANCE

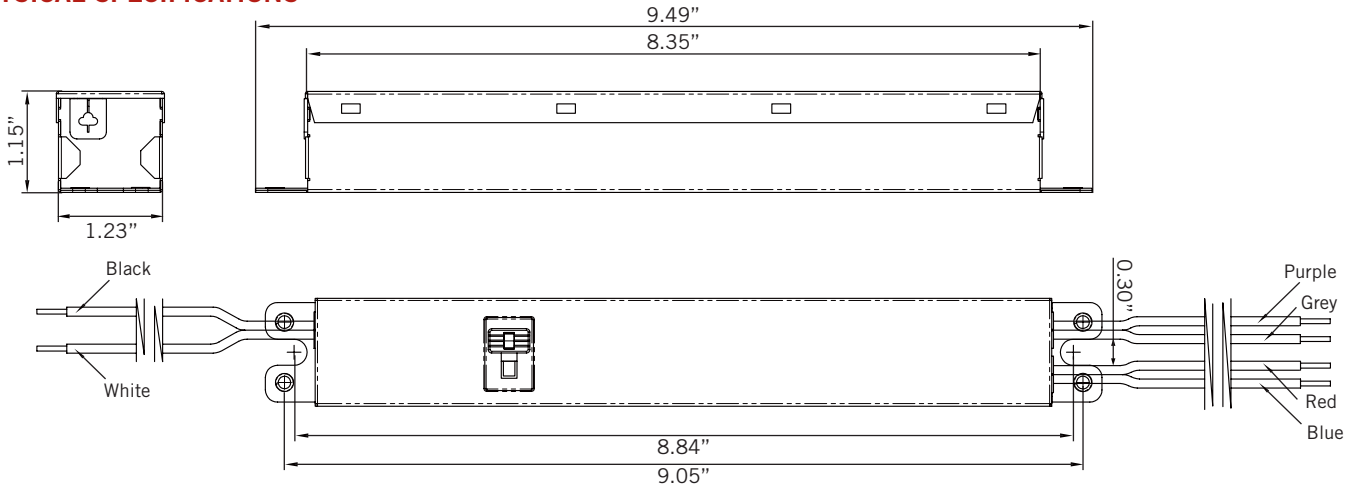
<b>UL/cUL</b>	UL 8750, Class P
<b>CE</b>	EN61347-1, EN61347-2-13
<b>FCC, 47CFR Part 15</b>	ANSI C63.4:2009 Class B (Consumer Limit)
<b>EN61000-3-2</b>	Harmonic Current Emissions Class C



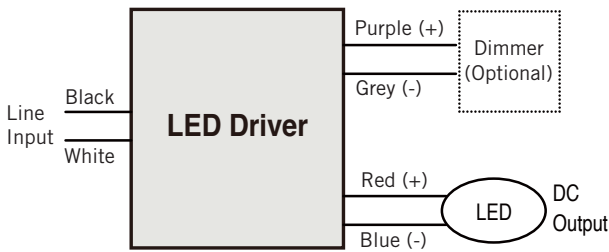
# KTLD-35-UV-PS650-54-VDIM-LM1

## CONSTANT CURRENT LED DRIVER

### PHYSICAL SPECIFICATIONS



### WIRING DIAGRAM

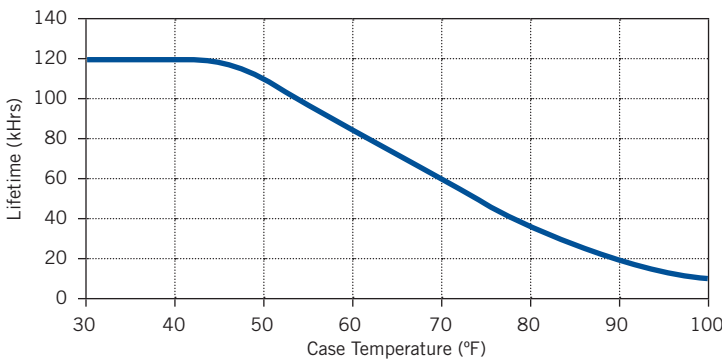


### WIRING SPECIFICATIONS

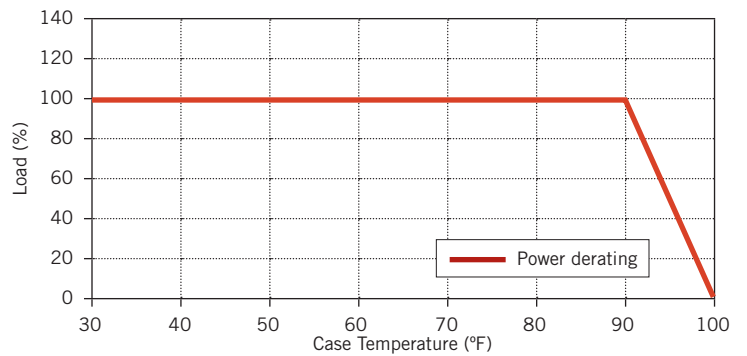
<b>INPUT</b>	12", UL 1316 #18AWG (Black and White)
<b>OUTPUT</b>	12", UL 1316 #18AWG (Red and Blue)
<b>DIMMING</b>	12", UL 1316/1430 #22AWG (Purple and Grey)

### PERFORMANCE SPECIFICATIONS

#### LIFETIME VS CASE TEMPERATURE



#### POWER DERATING VS CASE TEMPERATURE

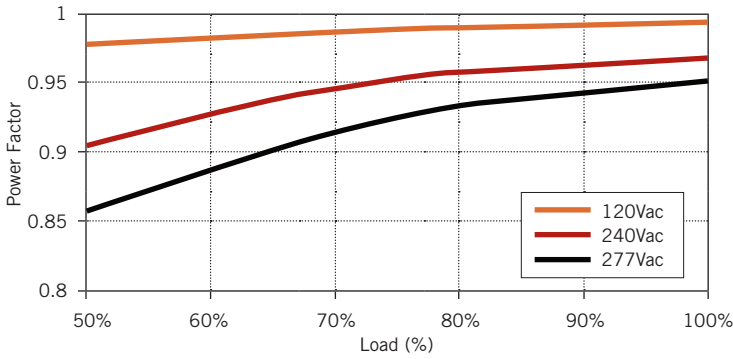




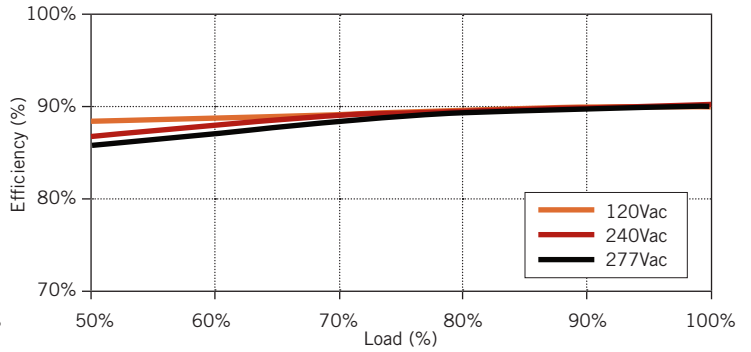
# KTLD-35-UV-PS650-54-VDIM-LM1

## CONSTANT CURRENT LED DRIVER

**POWER FACTOR VS LOAD**



**EFFICIENCY VS LOAD**



**ORDERING INFORMATION**

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-35-UV-PS650-54-VDIM-LM1	Carton Pack	TBD	Quick Ship

**CATALOG NUMBER BREAKDOWN**

# KTLD-35-UV-PS650-54-VDIM-LM1

1
2
3
4
5
6
7
8

- 1 Keystone Technologies LED Driver
- 2 Max. Output Wattage
- 3 120-277V Input
- 4 Power Select Series
- 5 Max. Output Current
- 6 Max. Output Voltage
- 7 0-10V Dimming
- 8 Case Style



# KTLD-35-UV-PS850-42-VDIM-LM1

## CONSTANT CURRENT LED DRIVER



### DESCRIPTION

LED Driver | 35W | 120-277V Input | 700, 750, 800 or 850mA Output

<b>TOTAL POWER:</b> 35W
<b>INPUT VOLTAGE:</b> 120~277Vac ± 10%
<b>INPUT FREQUENCY:</b> 50/60 Hz
<b>OUTPUT CURRENT:</b> 700, 750, 800 or 850mA
<b>DIMMING:</b> 0-10V
<b>WARRANTY:</b> 5 Years



### ELECTRICAL SPECIFICATIONS

<b>Input Voltage Range</b>	120~277Vac ± 10%
<b>Frequency</b>	50/60 Hz
<b>Power Factor</b>	> 0.9 under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Inrush Current</b>	TBD
<b>Max. Input Current</b>	TBD
<b>THD</b>	< 20% under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Load Regulation</b>	± 2%
<b>Line Regulation</b>	± 2%
<b>Output Tolerance</b>	± 5% at Full Load Condition
<b>Turn-On Delay Time</b>	< 0.5s at Full Load Condition
<b>Overshoot</b>	< 10% at Full Load Condition
<b>No Load Power Consumption</b>	< 2W
<b>Ripple &amp; Noise (pk-pk)</b>	< 10%
<b>Withstand Voltage</b>	Input to output, 2,800Vdc, 2mA
<b>Leakage Current</b>	Maximum 0.5mA at 277Vac, 60Hz input
<b>Minimum Dim %</b>	~10% Dimming
<b>Protection</b>	<ul style="list-style-type: none"> <li>• <b>Over Voltage Protection:</b> Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.</li> <li>• <b>Over Current Protection:</b> Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.</li> <li>• <b>Short Circuit Protection:</b> Hiccup mode. Protection will trigger when short circuited and will auto recover after the fault mode is removed.</li> </ul>

### PRODUCT SPECIFICATIONS

Catalog Number	Output Current	Output Voltage	Output Power	OCV	Typical Efficiency at 120V	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#18 AWG)	Class 2	
									US	Canada
KTLD-35-UV-PS850-42-VDIM-LM1	700mA	20-42V	29.4W	47V	89%	90%	90%	44 ft	✓	✓
	750mA	20-42V	31.5W							
	800mA	20-42V	33.6W							
	850mA	20-42V	35.7W							

### ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temperature</b>	-40°C/-40°F to 60°C/140°F
<b>Storage Temperature</b>	-40°C/-40°F to 85°C/185°F
<b>Humidity</b>	5% to 95%
<b>MTBF</b>	345,000 hours at 40°C/104°F ambient (~70°C/158°F Case temp)
<b>Life Rating</b>	85,000 hours at 120Vac input, 100% load and 60°C/140°F case temperature
<b>Maximum Case Temperature</b>	90°/194°F

### SAFETY AND EMC COMPLIANCE

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

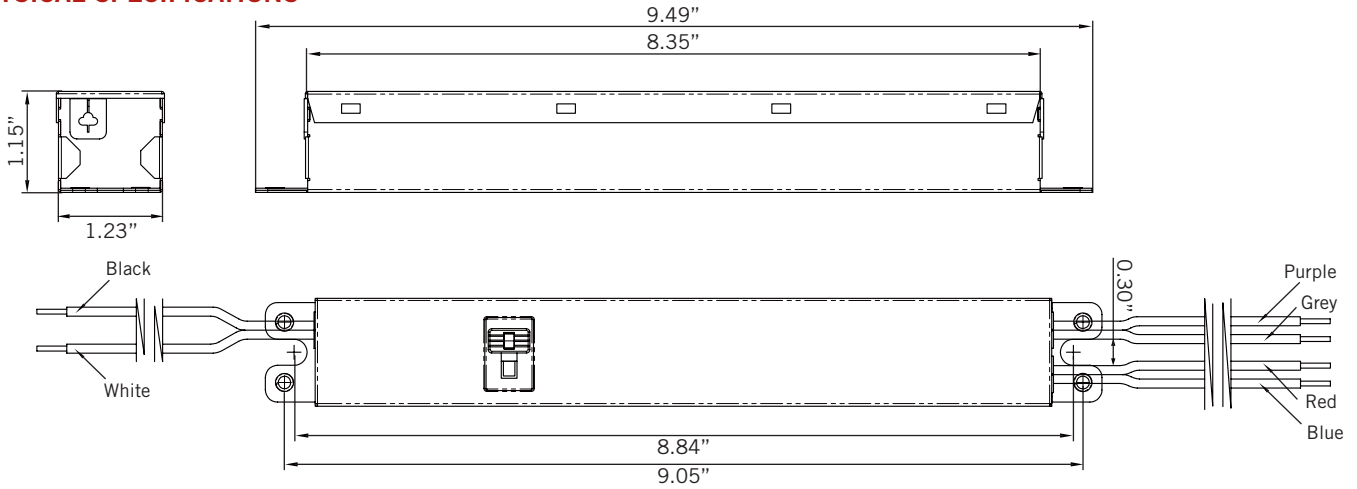




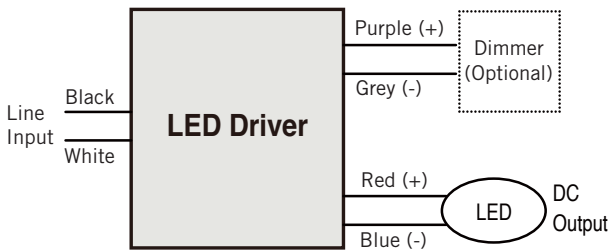
# KTLD-35-UV-PS850-42-VDIM-LM1

## CONSTANT CURRENT LED DRIVER

### PHYSICAL SPECIFICATIONS



### WIRING DIAGRAM

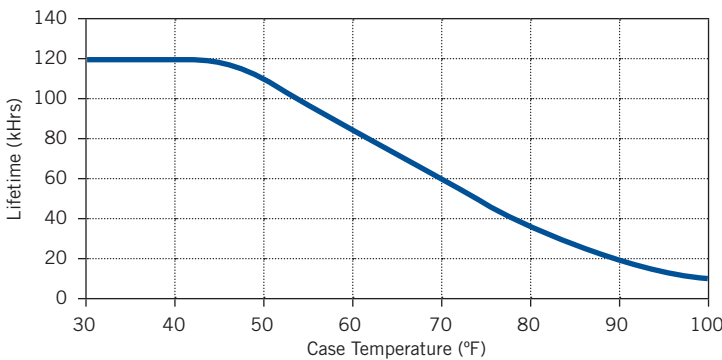


### WIRING SPECIFICATIONS

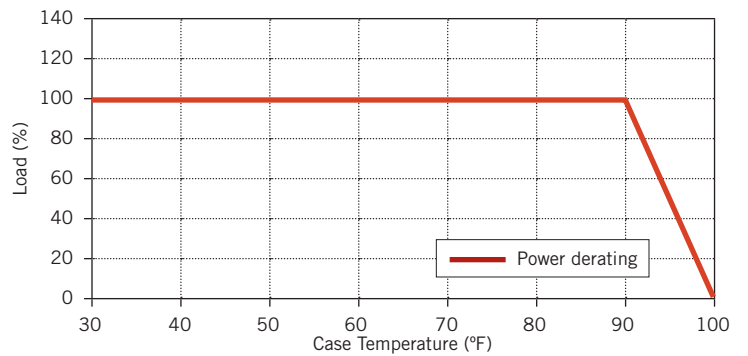
<b>INPUT</b>	12", UL 1316 #18AWG (Black and White)
<b>OUTPUT</b>	12", UL 1316 #18AWG (Red and Blue)
<b>DIMMING</b>	12", UL 1316/1430 #22AWG (Purple and Grey)

### PERFORMANCE SPECIFICATIONS

#### LIFETIME VS CASE TEMPERATURE



#### POWER DERATING VS CASE TEMPERATURE

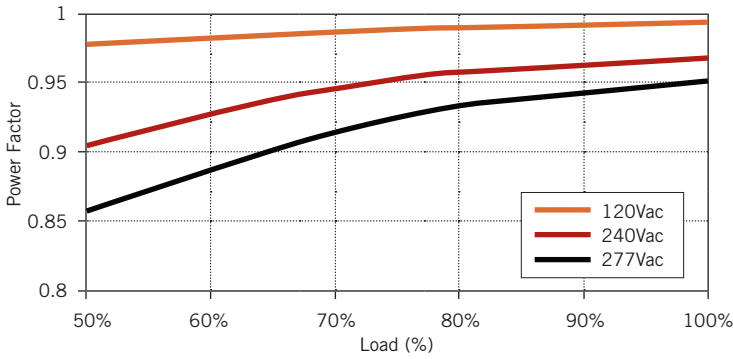




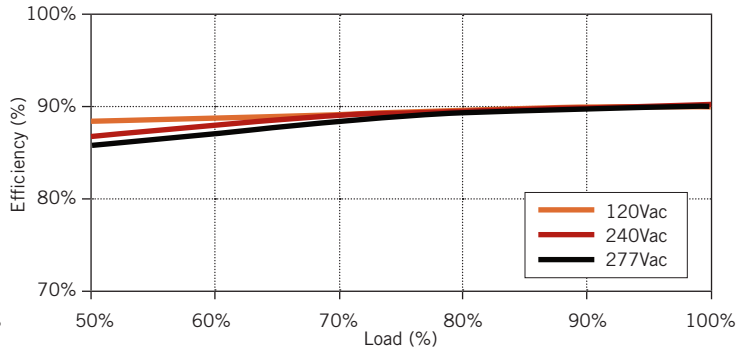
# KTLD-35-UV-PS850-42-VDIM-LM1

## CONSTANT CURRENT LED DRIVER

**POWER FACTOR VS LOAD**



**EFFICIENCY VS LOAD**



**ORDERING INFORMATION**

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-35-UV-PS850-42-VDIM-LM1	Carton Pack	TBD	Quick Ship

**CATALOG NUMBER BREAKDOWN**

# KTLD-35-UV-PS850-42-VDIM-LM1

1
2
3
4
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6
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8

- 1** Keystone Technologies LED Driver
- 2** Max. Output Wattage
- 3** 120-277V Input
- 4** Power Select Series
- 5** Max. Output Current
- 6** Max. Output Voltage
- 7** 0-10V Dimming
- 8** Case Style



# KTLD-45-UV-PS850-54-VDIM-LM1

## CONSTANT CURRENT LED DRIVER



### DESCRIPTION

LED Driver | 45W | 120-277V Input | 700, 750, 800 or 850mA Output

<b>TOTAL POWER:</b> 45W
<b>INPUT VOLTAGE:</b> 120~277Vac ± 10%
<b>INPUT FREQUENCY:</b> 50/60 Hz
<b>OUTPUT CURRENT:</b> 700, 750, 800 or 850mA
<b>DIMMING:</b> 0-10V
<b>WARRANTY:</b> 5 Years



### ELECTRICAL SPECIFICATIONS

<b>Input Voltage Range</b>	120~277Vac ± 10%
<b>Frequency</b>	50/60 Hz
<b>Power Factor</b>	> 0.9 under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Inrush Current</b>	TBD
<b>Max. Input Current</b>	TBD
<b>THD</b>	< 20% under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Load Regulation</b>	± 2%
<b>Line Regulation</b>	± 2%
<b>Output Tolerance</b>	± 5% at Full Load Condition
<b>Turn-On Delay Time</b>	< 0.5s at Full Load Condition
<b>Overshoot</b>	< 10% at Full Load Condition
<b>No Load Power Consumption</b>	< 2W
<b>Ripple &amp; Noise (pk-pk)</b>	< 10%
<b>Withstand Voltage</b>	Input to output, 2,800Vdc, 2mA
<b>Leakage Current</b>	Maximum 0.5mA at 277Vac, 60Hz input
<b>Minimum Dim %</b>	~10% Dimming
<b>Protection</b>	<ul style="list-style-type: none"> <li>• <b>Over Voltage Protection:</b> Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.</li> <li>• <b>Over Current Protection:</b> Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.</li> <li>• <b>Short Circuit Protection:</b> Hiccup mode. Protection will trigger when short circuited and will auto recover after the fault mode is removed.</li> </ul>

### PRODUCT SPECIFICATIONS

Catalog Number	Output Current	Output Voltage	Output Power	OCV	Typical Efficiency at 120V	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#18 AWG)	Class 2	
									US	Canada
KTLD-45-UV-PS850-54-VDIM-LM1	700mA	30-54V	37.8W	60V	89%	90%	90%	44 ft	✓	
	750mA	30-54V	40.5V							
	800mA	30-54V	43.2V							
	850mA	30-54V	45.9V							

### ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temperature</b>	-40°C/-40°F to 60°C/140°F
<b>Storage Temperature</b>	-40°C/-40°F to 85°C/185°F
<b>Humidity</b>	5% to 95%
<b>MTBF</b>	368,000 hours at 40°C/104°F ambient (~70°C/158°F Case temp)
<b>Life Rating</b>	85,000 hours at 120Vac input, 100% load and 60°C/140°F case temperature
<b>Maximum Case Temperature</b>	90°/194°F

### SAFETY AND EMC COMPLIANCE

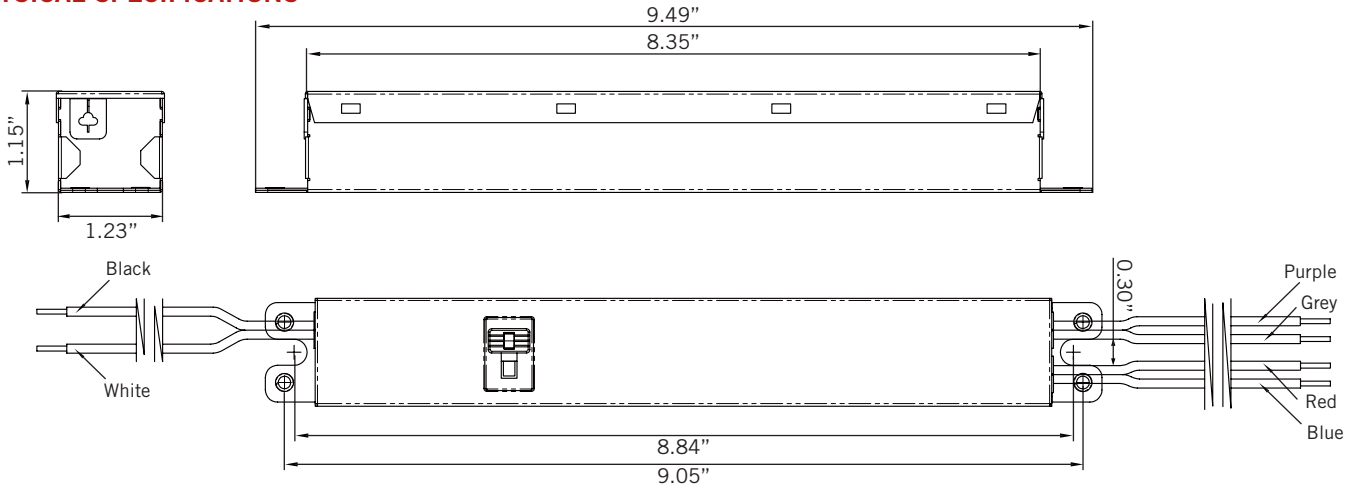
<b>UL/cUL</b>	UL 8750, Class P
<b>CE</b>	EN61347-1, EN61347-2-13
<b>FCC, 47CFR Part 15</b>	ANSI C63.4:2009 Class B (Consumer Limit)
<b>EN61000-3-2</b>	Harmonic Current Emissions Class C



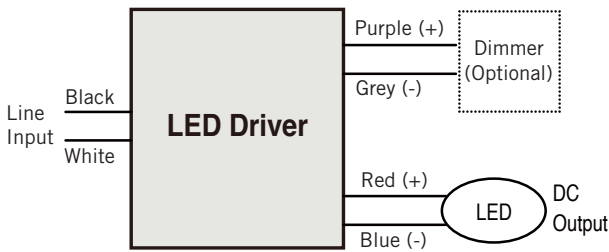
# KTLD-45-UV-PS850-54-VDIM-LM1

## CONSTANT CURRENT LED DRIVER

### PHYSICAL SPECIFICATIONS



### WIRING DIAGRAM

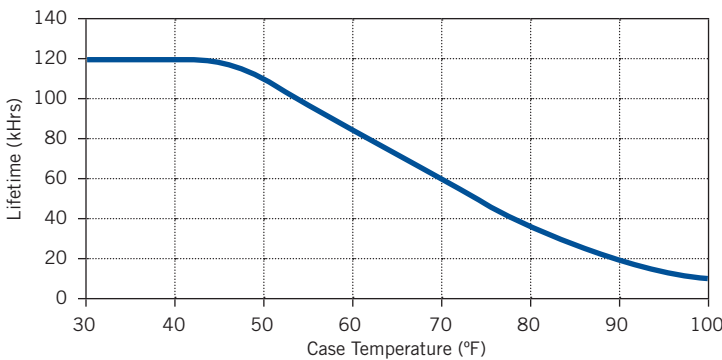


### WIRING SPECIFICATIONS

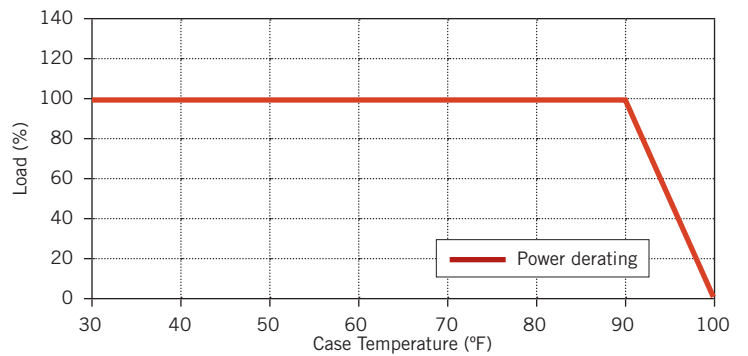
<b>INPUT</b>	12", UL 1316 #18AWG (Black and White)
<b>OUTPUT</b>	12", UL 1316 #18AWG (Red and Blue)
<b>DIMMING</b>	12", UL 1316/1430 #22AWG (Purple and Grey)

### PERFORMANCE SPECIFICATIONS

#### LIFETIME VS CASE TEMPERATURE



#### POWER DERATING VS CASE TEMPERATURE

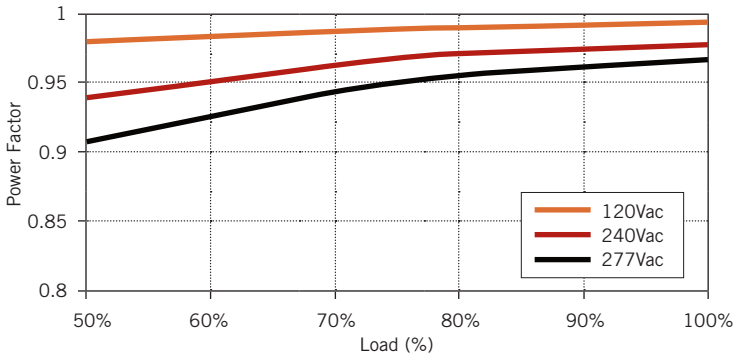




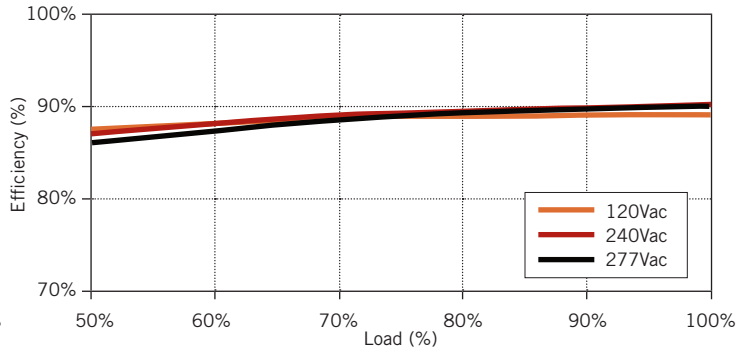
# KTLD-45-UV-PS850-54-VDIM-LM1

## CONSTANT CURRENT LED DRIVER

**POWER FACTOR VS LOAD**



**EFFICIENCY VS LOAD**



**ORDERING INFORMATION**

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-45-UV-PS850-54-VDIM-LM1	Carton Pack	TBD	Quick Ship

**CATALOG NUMBER BREAKDOWN**

# KTLD-45-UV-PS850-54-VDIM-LM1

1
2
3
4
5
6
7
8

- 1** Keystone Technologies LED Driver
- 2** Max. Output Wattage
- 3** 120-277V Input
- 4** Power Select Series
- 5** Max. Output Current
- 6** Max. Output Voltage
- 7** 0-10V Dimming
- 8** Case Style



# KTLD-45-UV-PS1100-42-VDIM-LM1

## CONSTANT CURRENT LED DRIVER



### DESCRIPTION

LED Driver | 45W | 120-277V Input | 900, 950, 1000 or 1100mA Output

<b>TOTAL POWER:</b> 45W
<b>INPUT VOLTAGE:</b> 120~277Vac $\pm$ 10%
<b>INPUT FREQUENCY:</b> 50/60 Hz
<b>OUTPUT CURRENT:</b> 900, 950, 1000 or 1100mA
<b>DIMMING:</b> 0-10V
<b>WARRANTY:</b> 5 Years



### ELECTRICAL SPECIFICATIONS

<b>Input Voltage Range</b>	120~277Vac $\pm$ 10%
<b>Frequency</b>	50/60 Hz
<b>Power Factor</b>	> 0.9 under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Inrush Current</b>	TBD
<b>Max. Input Current</b>	TBD
<b>THD</b>	< 20% under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Load Regulation</b>	$\pm$ 2%
<b>Line Regulation</b>	$\pm$ 2%
<b>Output Tolerance</b>	$\pm$ 5% at Full Load Condition
<b>Turn-On Delay Time</b>	< 0.5s at Full Load Condition
<b>Overshoot</b>	< 10% at Full Load Condition
<b>No Load Power Consumption</b>	< 2W
<b>Ripple &amp; Noise (pk-pk)</b>	< 10%
<b>Withstand Voltage</b>	Input to output, 2,800Vdc, 2mA
<b>Leakage Current</b>	Maximum 0.5mA at 277Vac, 60Hz input
<b>Minimum Dim %</b>	~10% Dimming
<b>Protection</b>	<ul style="list-style-type: none"> <li>• <b>Over Voltage Protection:</b> Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.</li> <li>• <b>Over Current Protection:</b> Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.</li> <li>• <b>Short Circuit Protection:</b> Hiccup mode. Protection will trigger when short circuited and will auto recover after the fault mode is removed.</li> </ul>

### PRODUCT SPECIFICATIONS

Catalog Number	Output Current	Output Voltage	Output Power	OCV	Typical Efficiency at 120V	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#18 AWG)	Class 2	
									US	Canada
KTLD-45-UV-PS1100-42-VDIM-LM1	900mA	20-42V	37.8W	47V	89%	90%	90%	34 ft	✓	✓
	950mA	20-42V	39.9W							
	1000mA	20-42V	42.0W							
	1100mA	20-42V	46.2W							

### ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temperature</b>	-40°C/-40°F to 60°C/140°F
<b>Storage Temperature</b>	-40°C/-40°F to 85°C/185°F
<b>Humidity</b>	5% to 95%
<b>MTBF</b>	368,000 hours at 40°C/104°F ambient (~70°C/158°F Case temp)
<b>Life Rating</b>	85,000 hours at 120Vac input, 100% load and 60°C/140°F case temperature
<b>Maximum Case Temperature</b>	90°/194°F

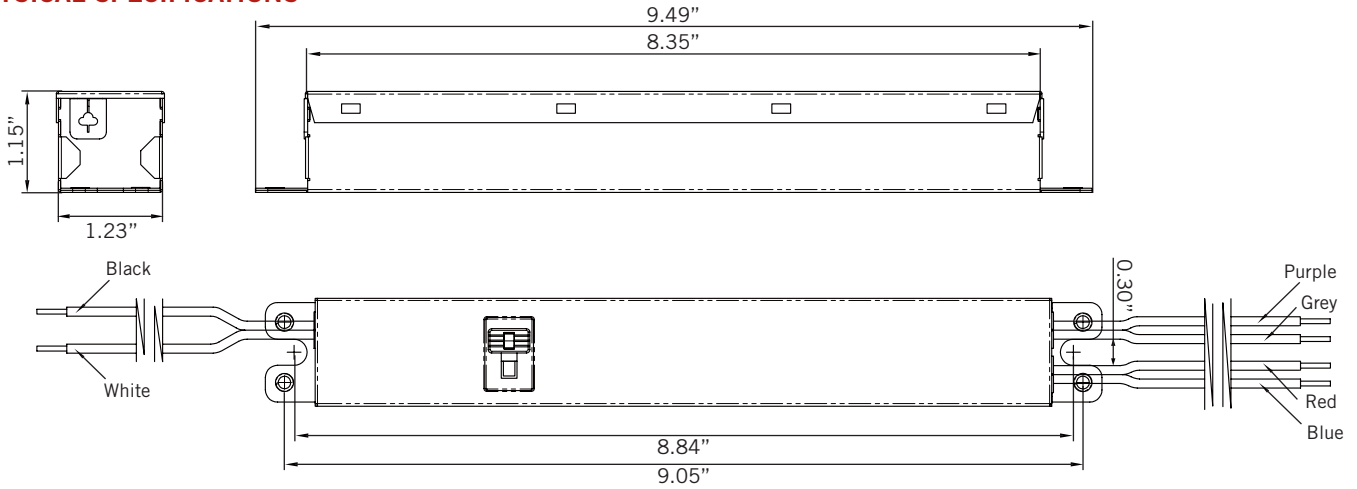
### SAFETY AND EMC COMPLIANCE

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

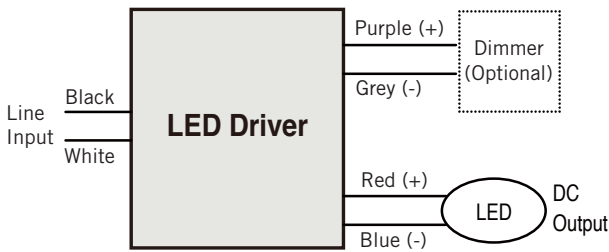
# KTLD-45-UV-PS1100-42-VDIM-LM1

## CONSTANT CURRENT LED DRIVER

### PHYSICAL SPECIFICATIONS



### WIRING DIAGRAM

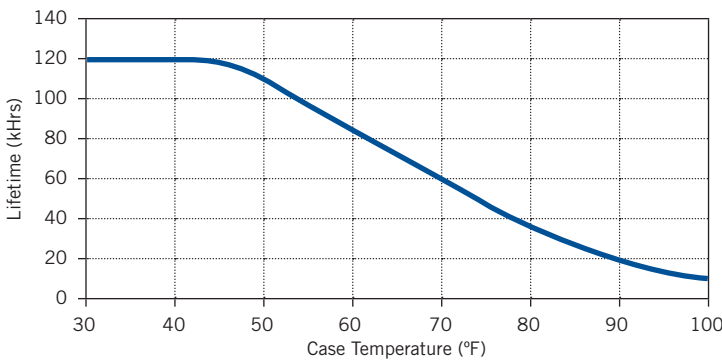


### WIRING SPECIFICATIONS

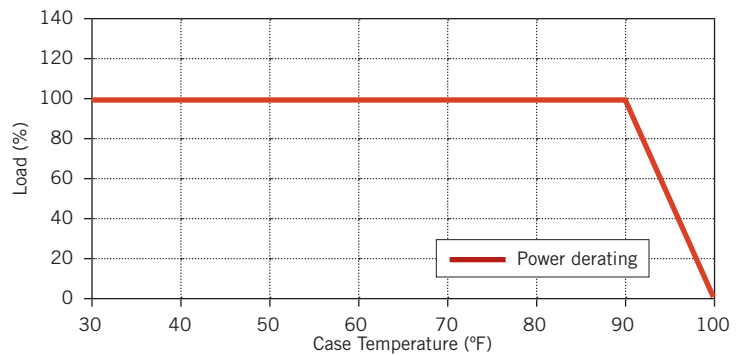
<b>INPUT</b>	12", UL 1316 #18AWG (Black and White)
<b>OUTPUT</b>	12", UL 1316 #18AWG (Red and Blue)
<b>DIMMING</b>	12", UL 1316/1430 #22AWG (Purple and Grey)

### PERFORMANCE SPECIFICATIONS

#### LIFETIME VS CASE TEMPERATURE



#### POWER DERATING VS CASE TEMPERATURE

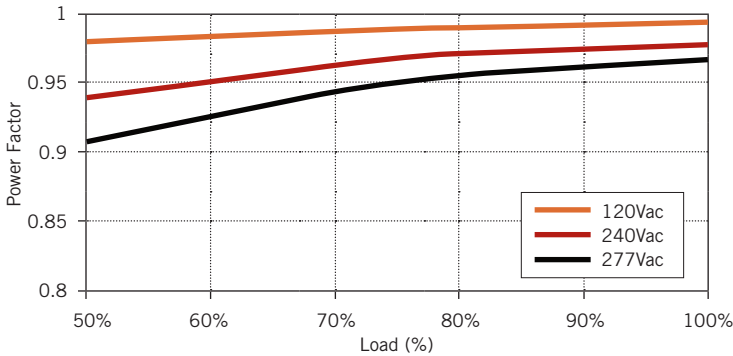




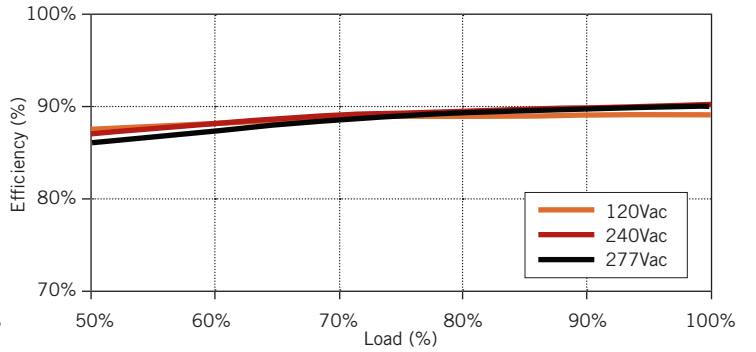
# KTLD-45-UV-PS1100-42-VDIM-LM1

## CONSTANT CURRENT LED DRIVER

**POWER FACTOR VS LOAD**



**EFFICIENCY VS LOAD**



**ORDERING INFORMATION**

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-45-UV-PS1100-42-VDIM-LM1	Carton Pack	TBD	Quick Ship

**CATALOG NUMBER BREAKDOWN**

# KTLD-45-UV-PS1100-42-VDIM-LM1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

- 1** Keystone Technologies LED Driver
- 2** Max. Output Wattage
- 3** 120-277V Input
- 4** Power Select Series
- 5** Max. Output Current
- 6** Max. Output Voltage
- 7** 0-10V Dimming
- 8** Case Style





# KTLD-75-UV-PS1400-54-VDIM-LM2

## CONSTANT CURRENT LED DRIVER



### DESCRIPTION

LED Driver | 75W | 120-277V Input | 1100, 1200, 1300 or 1400mA Output

<b>TOTAL POWER:</b> 75W
<b>INPUT VOLTAGE:</b> 120~277Vac $\pm$ 10%
<b>INPUT FREQUENCY:</b> 50/60 Hz
<b>OUTPUT CURRENT:</b> 1100, 1200, 1300 or 1400mA
<b>DIMMING:</b> 0-10V
<b>WARRANTY:</b> 5 Years



### ELECTRICAL SPECIFICATIONS

<b>Input Voltage Range</b>	120~277Vac $\pm$ 10%
<b>Frequency</b>	50/60 Hz
<b>Power Factor</b>	> 0.9 under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Inrush Current</b>	TBD
<b>Max. Input Current</b>	TBD
<b>THD</b>	< 20% under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Load Regulation</b>	$\pm$ 2%
<b>Line Regulation</b>	$\pm$ 2%
<b>Output Tolerance</b>	$\pm$ 5% at Full Load Condition
<b>Turn-On Delay Time</b>	< 0.5s at Full Load Condition
<b>Overshoot</b>	< 10% at Full Load Condition
<b>No Load Power Consumption</b>	< 2W
<b>Ripple &amp; Noise (pk-pk)</b>	< 10%
<b>Withstand Voltage</b>	Input to output, 2,800Vdc, 2mA
<b>Leakage Current</b>	Maximum 0.5mA at 277Vac, 60Hz input
<b>Minimum Dim %</b>	~10% Dimming
<b>Protection</b>	<ul style="list-style-type: none"> <li>• <b>Over Voltage Protection:</b> Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.</li> <li>• <b>Over Current Protection:</b> Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.</li> <li>• <b>Short Circuit Protection:</b> Hiccup mode. Protection will trigger when short circuited and will auto recover after the fault mode is removed.</li> </ul>

### PRODUCT SPECIFICATIONS

Catalog Number	Max. Output Power	Output Current	Output Voltage	OCV	Typical Efficiency at 120V	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#18 AWG)	Class 2	
									US	Canada
KTLD-75-UV-PS1400-54-VDIM-LM2	72W	1100mA	30-54V	60V	90%	91%	91%	38 ft	✓	
		1200mA								
		1300mA								
		1400mA								

### ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temperature</b>	-40°C/-40°F to 60°C/140°F
<b>Storage Temperature</b>	-40°C/-40°F to 85°C/185°F
<b>Humidity</b>	5% to 95%
<b>MTBF</b>	365,000 hours at 40°C/104°F ambient (~70°C/158°F Case temp)
<b>Life Rating</b>	85,000 hours at 120Vac input, 100% load and 60°C/140°F case temperature
<b>Maximum Case Temperature</b>	90°/194°F

### SAFETY AND EMC COMPLIANCE

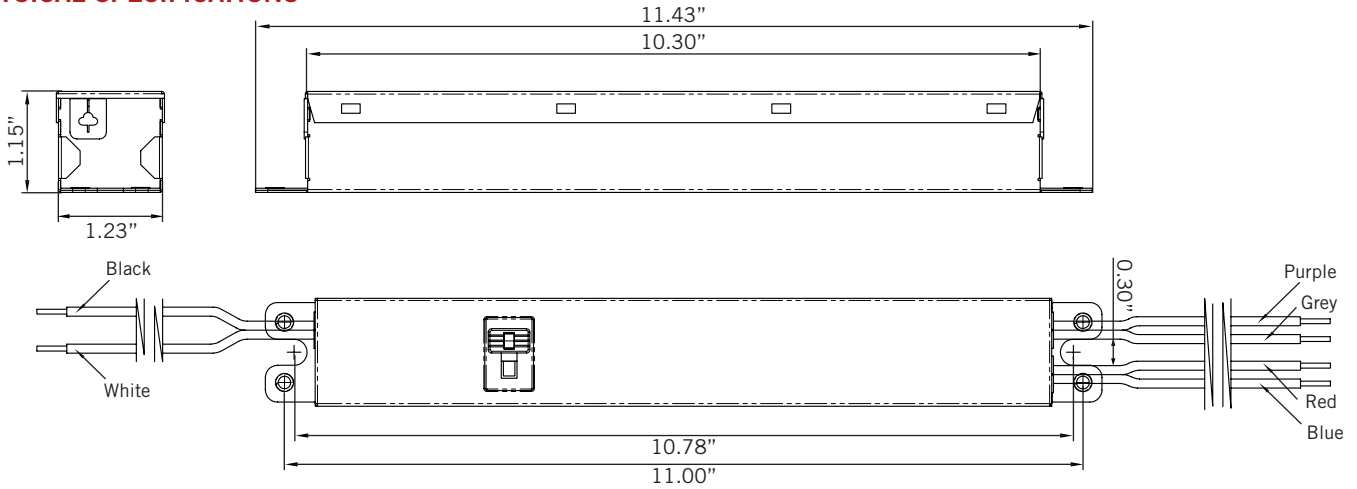
<b>UL/cUL</b>	UL 8750, Class P
<b>CE</b>	EN61347-1, EN61347-2-13
<b>FCC, 47CFR Part 15</b>	ANSI C63.4:2009 Class B (Consumer Limit)
<b>EN61000-3-2</b>	Harmonic Current Emissions Class C



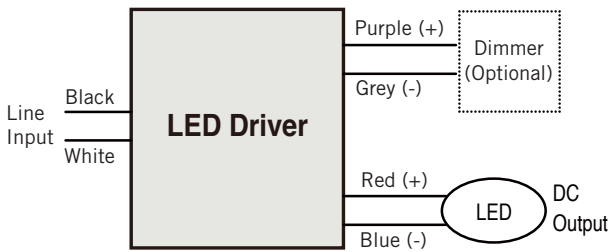
# KTLD-75-UV-PS1400-54-VDIM-LM2

## CONSTANT CURRENT LED DRIVER

### PHYSICAL SPECIFICATIONS



### WIRING DIAGRAM

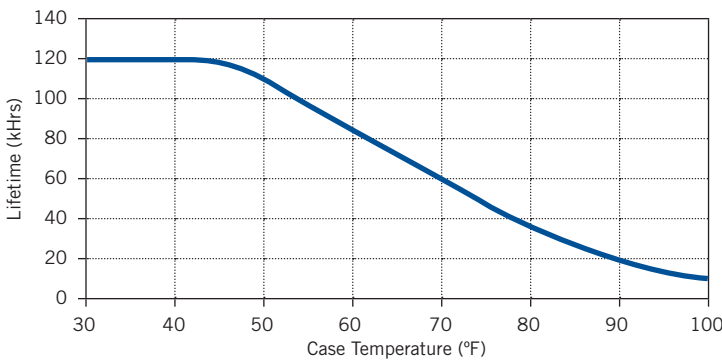


### WIRING SPECIFICATIONS

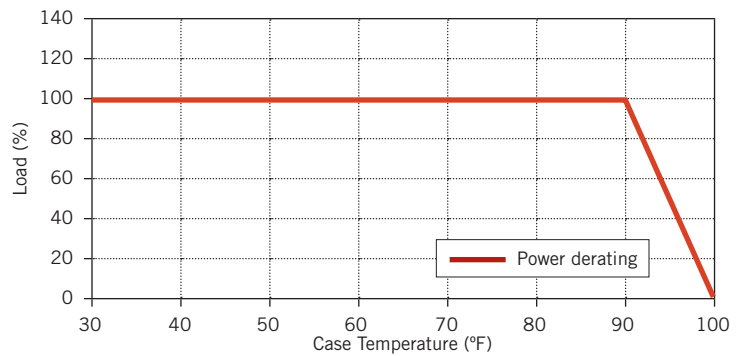
<b>INPUT</b>	12", UL 1316 #18AWG (Black and White)
<b>OUTPUT</b>	12", UL 1316 #18AWG (Red and Blue)
<b>DIMMING</b>	12", UL 1316/1430 #22AWG (Purple and Grey)

### PERFORMANCE SPECIFICATIONS

#### LIFETIME VS CASE TEMPERATURE



#### POWER DERATING VS CASE TEMPERATURE

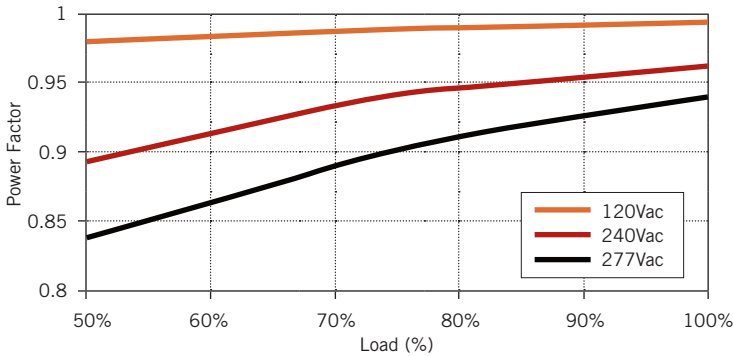




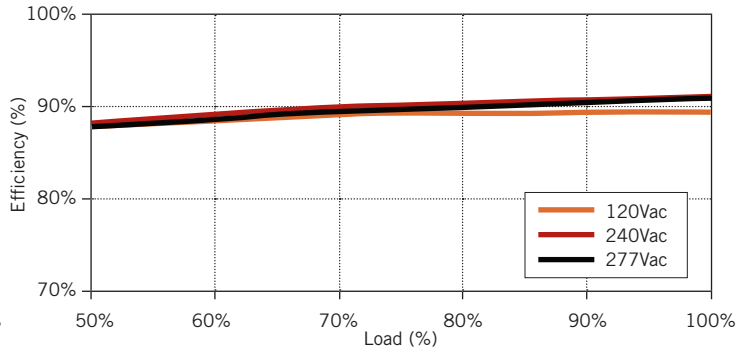
# KTLD-75-UV-PS1400-54-VDIM-LM2

## CONSTANT CURRENT LED DRIVER

**POWER FACTOR VS LOAD**



**EFFICIENCY VS LOAD**



**ORDERING INFORMATION**

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-75-UV-PS1400-54-VDIM-LM2	Carton Pack	TBD	Quick Ship

**CATALOG NUMBER BREAKDOWN**

# KTLD-75-UV-PS1400-54-VDIM-LM2

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

- 1** Keystone Technologies LED Driver
- 2** Max. Output Wattage
- 3** 120-277V Input
- 4** Power Select Series
- 5** Max. Output Current
- 6** Max. Output Voltage
- 7** 0-10V Dimming
- 8** Case Style



# KTLD-75-UV-PS1700-42-VDIM-LM2

## CONSTANT CURRENT LED DRIVER



### DESCRIPTION

LED Driver | 75W | 120-277V Input | 1400, 1500, 1600 or 1700mA Output

<b>TOTAL POWER:</b> 75W
<b>INPUT VOLTAGE:</b> 120~277Vac ± 10%
<b>INPUT FREQUENCY:</b> 50/60 Hz
<b>OUTPUT CURRENT:</b> 1400, 1500, 1600 or 1700mA
<b>DIMMING:</b> 0-10V
<b>WARRANTY:</b> 5 Years



### ELECTRICAL SPECIFICATIONS

<b>Input Voltage Range</b>	120~277Vac ± 10%
<b>Frequency</b>	50/60 Hz
<b>Power Factor</b>	> 0.9 under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Inrush Current</b>	TBD
<b>Max. Input Current</b>	TBD
<b>THD</b>	< 20% under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Load Regulation</b>	± 2%
<b>Line Regulation</b>	± 2%
<b>Output Tolerance</b>	± 5% at Full Load Condition
<b>Turn-On Delay Time</b>	< 0.5s at Full Load Condition
<b>Overshoot</b>	< 10% at Full Load Condition
<b>No Load Power Consumption</b>	< 2W
<b>Ripple &amp; Noise (pk-pk)</b>	< 10%
<b>Withstand Voltage</b>	Input to output, 2,800Vdc, 2mA
<b>Leakage Current</b>	Maximum 0.5mA at 277Vac, 60Hz input
<b>Minimum Dim %</b>	~10% Dimming
<b>Protection</b>	<ul style="list-style-type: none"> <li>• <b>Over Voltage Protection:</b> Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.</li> <li>• <b>Over Current Protection:</b> Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.</li> <li>• <b>Short Circuit Protection:</b> Hiccup mode. Protection will trigger when short circuited and will auto recover after the fault mode is removed.</li> </ul>

### PRODUCT SPECIFICATIONS

Catalog Number	Max. Output Power	Output Current	Output Voltage	OCV	Typical Efficiency at 120V	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#18 AWG)	Class 2	
									US	Canada
KTLD-75-UV-PS1700-42-VDIM-LM2	75W	1400mA	20-42V	47V	89%	90%	90%	22 ft	✓	✓
		1500mA								
		1600mA								
		1700mA								

### ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temperature</b>	-40°C/-40°F to 60°C/140°F
<b>Storage Temperature</b>	-40°C/-40°F to 85°C/185°F
<b>Humidity</b>	5% to 95%
<b>MTBF</b>	365,000 hours at 40°C/104°F ambient (~70°C/158°F Case temp)
<b>Life Rating</b>	85,000 hours at 120Vac input, 100% load and 60°C/140°F case temperature
<b>Maximum Case Temperature</b>	90°/194°F

### SAFETY AND EMC COMPLIANCE

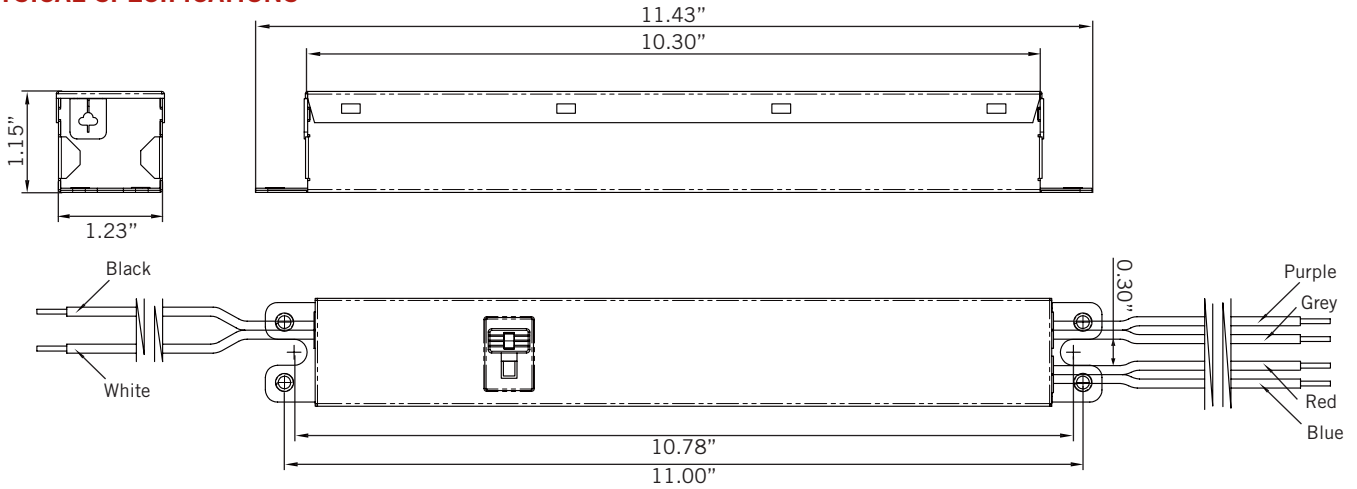
<b>UL/cUL</b>	UL 8750, Class P
<b>CE</b>	EN61347-1, EN61347-2-13
<b>FCC, 47CFR Part 15</b>	ANSI C63.4:2009 Class B (Consumer Limit)
<b>EN61000-3-2</b>	Harmonic Current Emissions Class C



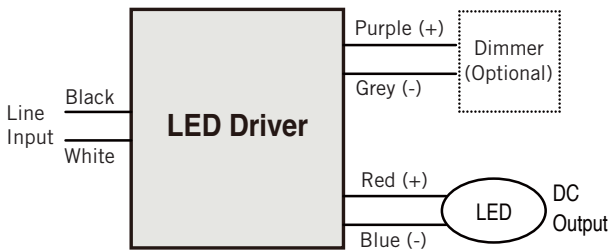
# KTLD-75-UV-PS1700-42-VDIM-LM2

## CONSTANT CURRENT LED DRIVER

### PHYSICAL SPECIFICATIONS



### WIRING DIAGRAM

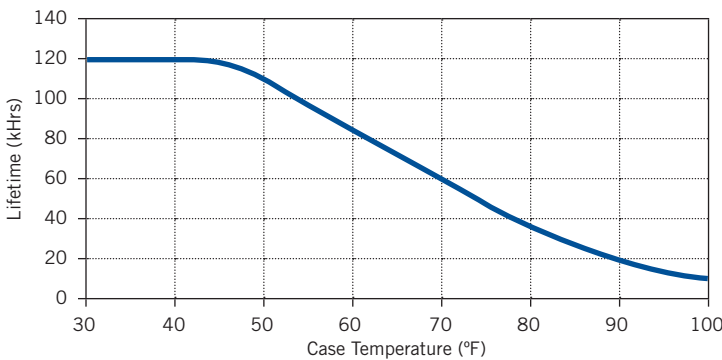


### WIRING SPECIFICATIONS

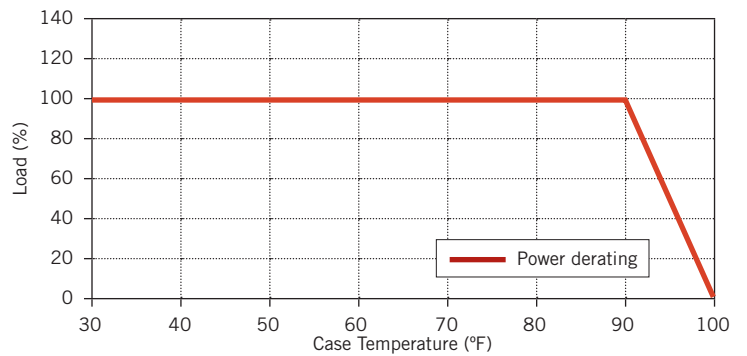
<b>INPUT</b>	12", UL 1316 #18AWG (Black and White)
<b>OUTPUT</b>	12", UL 1316 #18AWG (Red and Blue)
<b>DIMMING</b>	12", UL 1316/1430 #22AWG (Purple and Grey)

### PERFORMANCE SPECIFICATIONS

**LIFETIME VS CASE TEMPERATURE**



**POWER DERATING VS CASE TEMPERATURE**

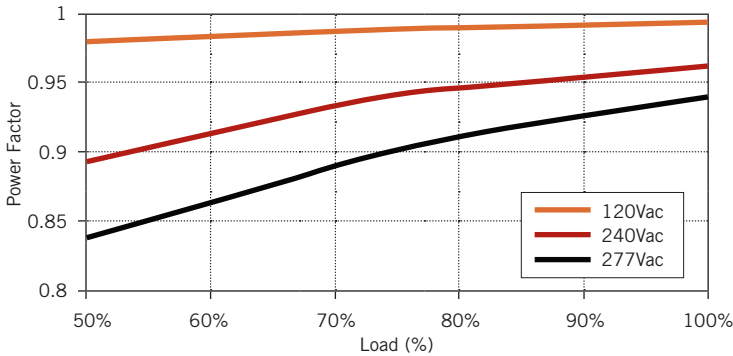




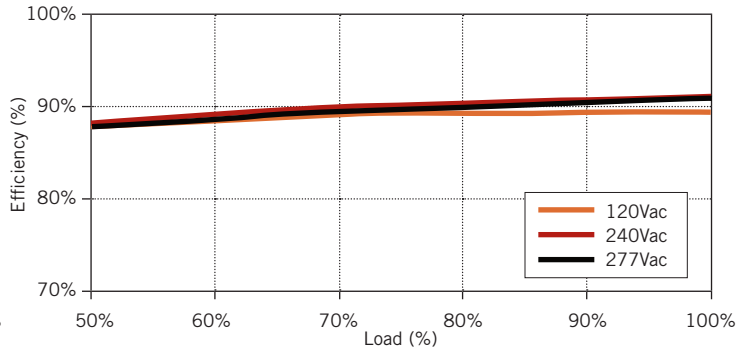
# KTLD-75-UV-PS1700-42-VDIM-LM2

## CONSTANT CURRENT LED DRIVER

**POWER FACTOR VS LOAD**



**EFFICIENCY VS LOAD**



**ORDERING INFORMATION**

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-75-UV-PS1700-42-VDIM-LM2	Carton Pack	TBD	Quick Ship

**CATALOG NUMBER BREAKDOWN**

# KTLD-75-UV-PS1700-42-VDIM-LM2

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

- 1** Keystone Technologies LED Driver
- 2** Max. Output Wattage
- 3** 120-277V Input
- 4** Power Select Series
- 5** Max. Output Current
- 6** Max. Output Voltage
- 7** 0-10V Dimming
- 8** Case Style



# KTLD-100-UV-PS1800-54-VDIM-LM2

## CONSTANT CURRENT LED DRIVER

### DESCRIPTION

LED Driver | 100W | 120-277V Input | 1500, 1600, 1700 or 1800mA Output



Class P



<b>TOTAL POWER:</b> 100W
<b>INPUT VOLTAGE:</b> 120~277Vac ± 10%
<b>INPUT FREQUENCY:</b> 50/60 Hz
<b>OUTPUT CURRENT:</b> 1500, 1600, 1700 or 1800mA
<b>DIMMING:</b> 0-10V
<b>WARRANTY:</b> 5 Years



### ELECTRICAL SPECIFICATIONS

Input Voltage Range	120~277Vac ± 10%
Frequency	50/60 Hz
Power Factor	> 0.9 under 120~277Vac input with 80~100% load condition (For All Output Currents)
Inrush Current	30A @ 120V
Max. Input Current	1.03A @ 120V, 0.53A @ 240V AND 0.46A @ 277V
THD	< 20% under 120~277Vac input with 80~100% load condition (For All Output Currents)
Load Regulation	± 2%
Line Regulation	± 2%
Output Tolerance	± 5% at Full Load Condition
Turn-On Delay Time	< 0.5s 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
Surge Rating	2.5KV for Combination Wave / Ring Wave
Leakage Current	Maximum 0.5mA at 277Vac, 60Hz input
Protection	<ul style="list-style-type: none"> <li>• <b>Over Voltage Protection:</b> Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.</li> <li>• <b>Over Current Protection:</b> Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.</li> <li>• <b>Short Circuit Protection:</b> Hiccup mode. Protection will trigger when short circuited and will auto recover after the fault mode is removed.</li> </ul>

### PRODUCT SPECIFICATIONS

Catalog Number	Max. Output Power	Nominal Wattage	Output Current	Output Voltage	OCV	Typical Efficiency at 120V	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#18 AWG)	Class 2	
										US	Canada
KTLD-100-UV-PS1800-54-VDIM-LM2	100W	97W	1500mA	30-54V	60V	86%	87%	88%	20 ft	✓	
			1600mA								
			1700mA								
			1800mA								

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40°C/-40°F to 60°C/140°F
Storage Temperature	-40°C/-40°F to 85°C/185°F
Humidity	5% to 95%
MTBF	255,000 hours at 40°C ambient (~70°C Case Temp)
Life Rating	85,000 hours at 120Vac input, 100% load and 60°C case temp
Maximum Case Temperature	90°/194°F

### SAFETY AND EMC COMPLIANCE

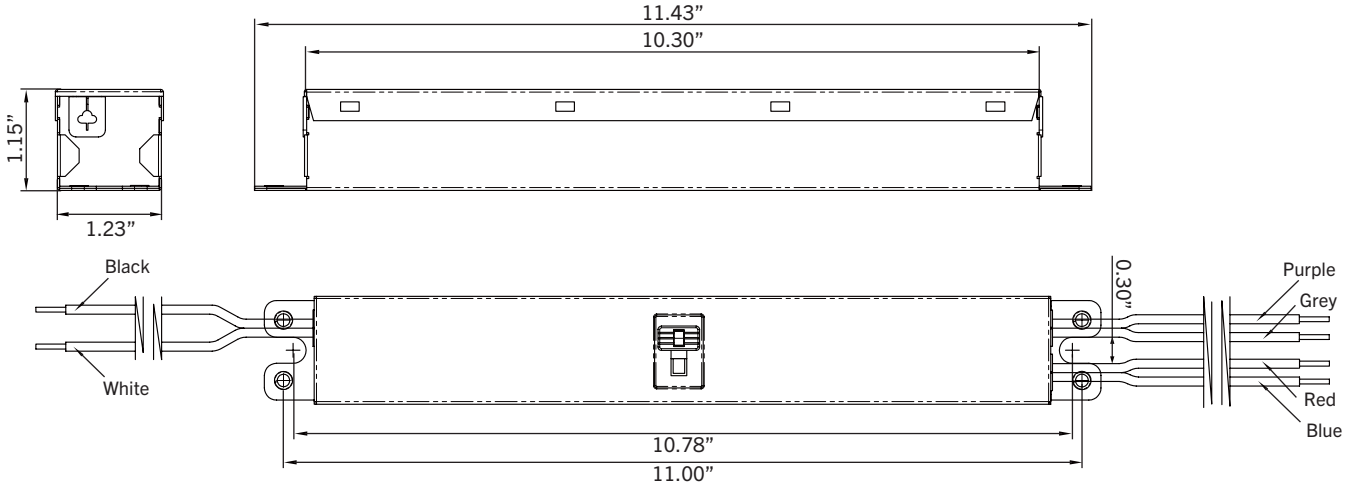
UL/cUL	UL 8750, Class P, Type HL
CE	EN61347-1, EN61347-2-13
FCC, 47CFR Part 15	ANSI C63.4:2009 Class B (Consumer Limit)
EN61000-3-2	Harmonic Current Emissions Class C



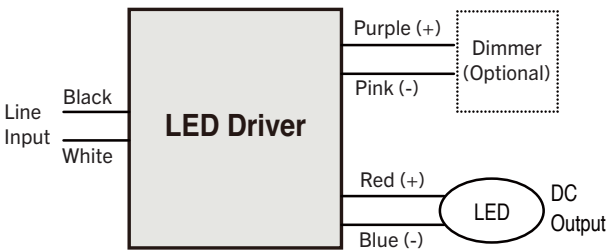
# KTLD-100-UV-PS1800-54-VDIM-LM2

## CONSTANT CURRENT LED DRIVER

### PHYSICAL SPECIFICATIONS



### WIRING DIAGRAM

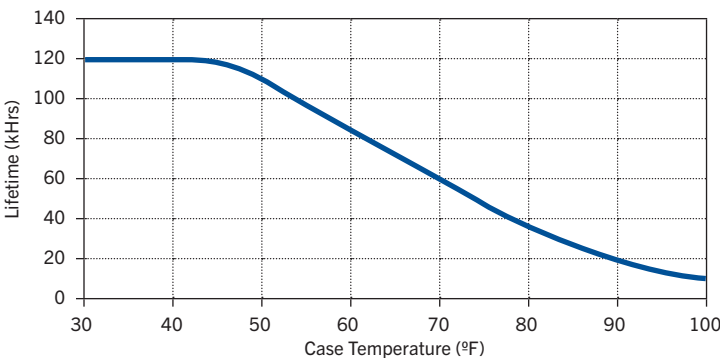


### WIRING SPECIFICATIONS

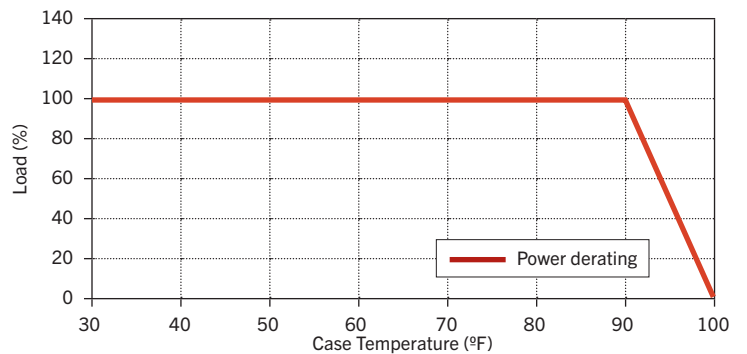
<b>INPUT</b>	12", UL 1316 #18AWG (Black and White)
<b>OUTPUT</b>	12", UL 1316 #18AWG (Red and Blue)
<b>DIMMING</b>	12", UL 1316/1430 #22AWG (Purple and Pink)

### PERFORMANCE SPECIFICATIONS

#### LIFETIME VS CASE TEMPERATURE



#### POWER DERATING VS CASE TEMPERATURE



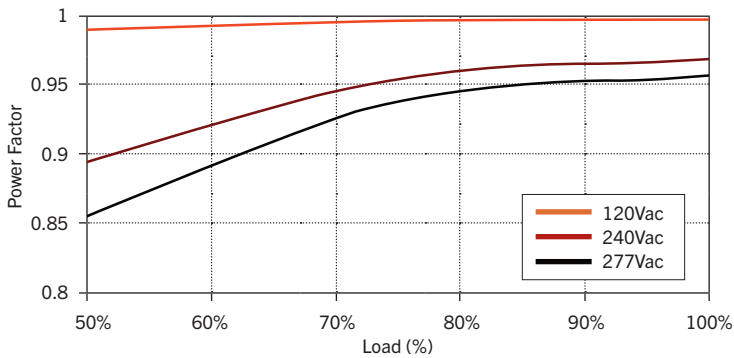




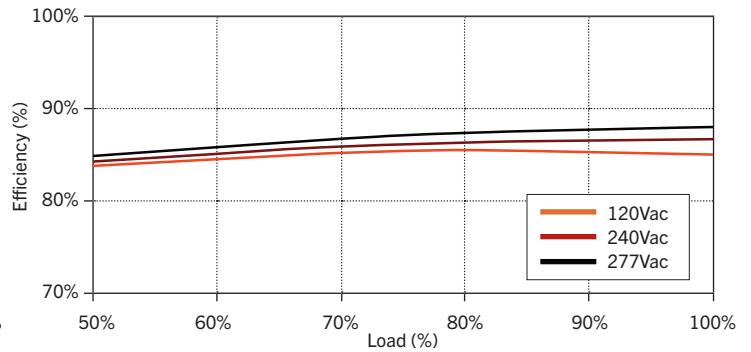
# KTLD-100-UV-PS1800-54-VDIM-LM2

## CONSTANT CURRENT LED DRIVER

POWER FACTOR VS LOAD



EFFICIENCY VS LOAD



### ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KTLD-100-UV-PS1800-54-VDIM-LM2	32	MFU-23	843654134369

### PACKAGE SPECIFICATIONS

1.1lb. (0.5kg) / unit; 32pcs / carton; 1440pcs / pallet	
Carton Size	5.7 x 11.4 x 14in (360 x 290 x 145mm)
Carton Weight	35.2lb. (16 kg)
Case Material	Metal

### CATALOG NUMBER BREAKDOWN

# KTLD-100-UV-PS1800-54-VDIM-LM2

1

2

3

4

5

6

7

8

- 1 Keystone Technologies LED Driver
- 2 Max. Output Wattage
- 3 120-277V Input
- 4 Power Select Series
- 5 Max. Output Current
- 6 Max. Output Voltage
- 7 0-10V Dimming
- 8 Case Style



# KTLD-100-UV-PS2300-42-VDIM-LM2

## CONSTANT CURRENT LED DRIVER

### DESCRIPTION

LED Driver | 100W | 120-277V Input | 2000, 2100, 2200, or 2300mA Output



Class P



<b>TOTAL POWER:</b> 100W
<b>INPUT VOLTAGE:</b> 120~277Vac ± 10%
<b>INPUT FREQUENCY:</b> 50/60 Hz
<b>OUTPUT CURRENT:</b> 2000, 2100, 2200, or 2300mA
<b>DIMMING:</b> 0-10V
<b>WARRANTY:</b> 5 Years



### ELECTRICAL SPECIFICATIONS

Input Voltage Range	120~277Vac ± 10%
Frequency	50/60 Hz
Power Factor	> 0.9 under 120~277Vac input with 80~100% load condition (For All Output Currents)
Inrush Current	30A @ 120V
Max. Input Current	1.03A @ 120V, 0.53A @ 240V AND 0.46A @ 277V
THD	< 20% under 120~277Vac input with 80~100% load condition (For All Output Currents)
Load Regulation	± 2%
Line Regulation	± 2%
Output Tolerance	± 5% at Full Load Condition
Turn-On Delay Time	< 0.5s 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
Surge Rating	2.5KV for Combination Wave / Ring Wave
Leakage Current	Maximum 0.5mA at 277Vac, 60Hz input
Protection	<ul style="list-style-type: none"> <li>• <b>Over Voltage Protection:</b> Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.</li> <li>• <b>Over Current Protection:</b> Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.</li> <li>• <b>Short Circuit Protection:</b> Hiccup mode. Protection will trigger when short circuited and will auto recover after the fault mode is removed.</li> </ul>

### PRODUCT SPECIFICATIONS

Catalog Number	Max. Output Power	Nominal Wattage	Output Current	Output Voltage	OCV	Typical Efficiency at 120V	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#18 AWG)	Class 2	
										US	Canada
KTLD-100-UV-PS2300-42-VDIM-LM2	100W	97W	2000mA	20-42V	60V	85%	87%	88%	16 ft	✓	✓
			2100mA								
			2200mA								
			2300mA								

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40°C/-40°F to 60°C/140°F
Storage Temperature	-40°C/-40°F to 85°C/185°F
Humidity	5% to 95%
MTBF	255,000 hours at 40°C ambient (~70°C Case Temp)
Life Rating	85,000 hours at 120Vac input, 100% load and 60°C case temp
Maximum Case Temperature	90°/194°F

### SAFETY AND EMC COMPLIANCE

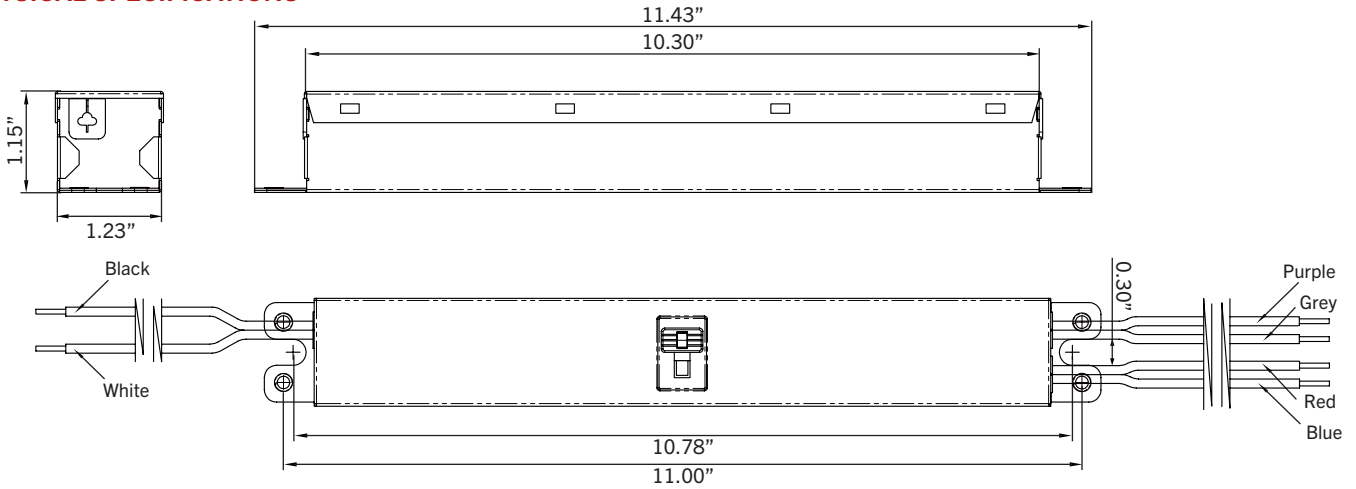
UL/cUL	UL 8750, Class P, Type HL
CE	EN61347-1, EN61347-2-13
FCC, 47CFR Part 15	ANSI C63.4:2009 Class B (Consumer Limit)
EN61000-3-2	Harmonic Current Emissions Class C



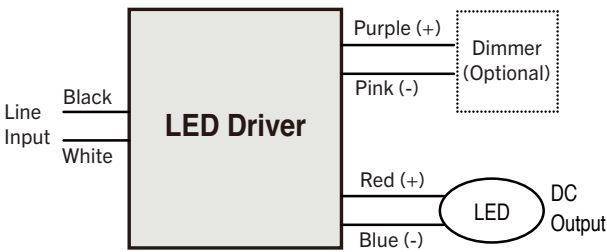
# KTLD-100-UV-PS2300-42-VDIM-LM2

## CONSTANT CURRENT LED DRIVER

### PHYSICAL SPECIFICATIONS



### WIRING DIAGRAM

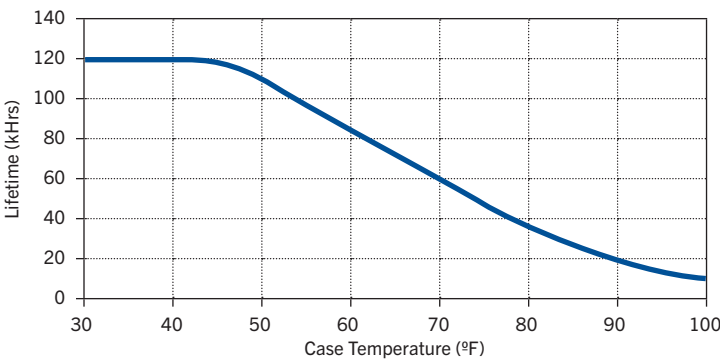


### WIRING SPECIFICATIONS

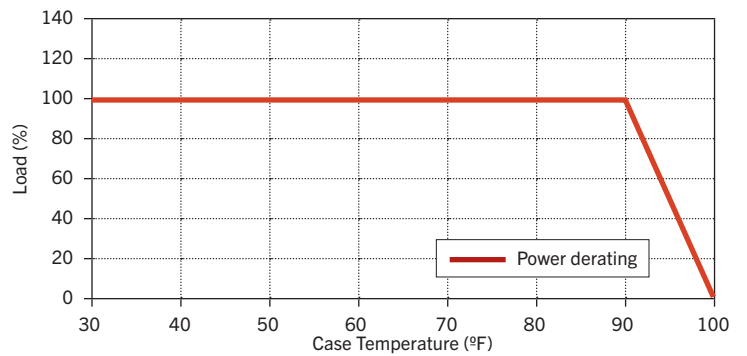
<b>INPUT</b>	12", UL 1316 #18AWG (Black and White)
<b>OUTPUT</b>	12", UL 1316 #18AWG (Red and Blue)
<b>DIMMING</b>	12", UL 1316/1430 #22AWG (Purple and Pink)

### PERFORMANCE SPECIFICATIONS

#### LIFETIME VS CASE TEMPERATURE



#### POWER DERATING VS CASE TEMPERATURE

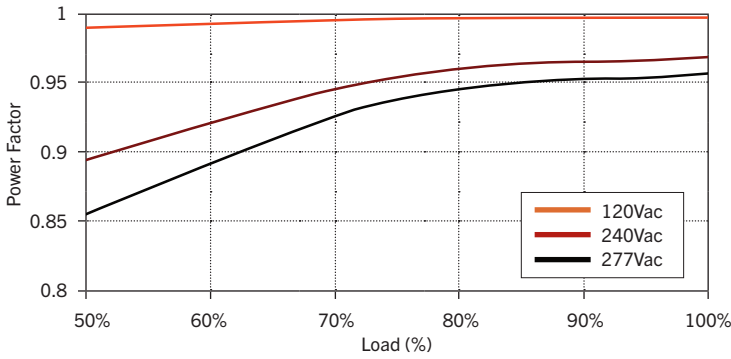




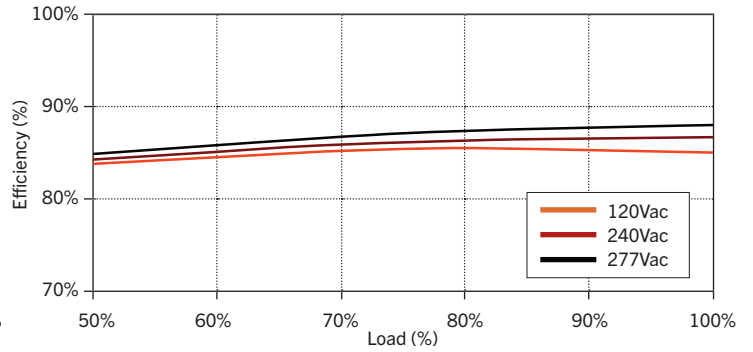
# KTLD-100-UV-PS2300-42-VDIM-LM2

## CONSTANT CURRENT LED DRIVER

**POWER FACTOR VS LOAD**



**EFFICIENCY VS LOAD**



**ORDERING INFORMATION**

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KTLD-100-UV-PS2300-42-VDIM-LM2	32	XFZ-81	843654134383

**PACKAGING SPECIFICATIONS**

1.1lb. (0.5kg) / unit; 32pcs / carton; 1440pcs / pallet	
Carton Size	5.7 x 11.4 x 14in (360 x 290 x 145mm)
Carton Weight	35.2lb. (16 kg)
Case Material	Metal

**CATALOG NUMBER BREAKDOWN**

# KTLD-100-UV-PS2300-42-VDIM-LM2

1
2
3
4
5
6
7
8

- 1** Keystone Technologies LED Driver
- 2** Max. Output Wattage
- 3** 120-277V Input
- 4** Power Select Series
- 5** Max. Output Current
- 6** Max. Output Voltage
- 7** 0-10V Dimming
- 8** Case Style