



# Complete Specification Sheet

## HLV192-SC

### HLV192-SC

192 Watt  
24 Volt Universal 3 in 1  
Class 2 Power Supply



### Specifications

Category	Power Supplies
Series	Universal 3 in 1
Family	192W (2 x 96W)
Input Voltage	100-277V AC
Output Voltage	24 DC Constant Voltage
Max Wattage	192W
Operating Temp.	-35°F(-37°C) - 158°F(70°C)
Dimming Options	Triac, MLV, ELV, 0-10V, INC

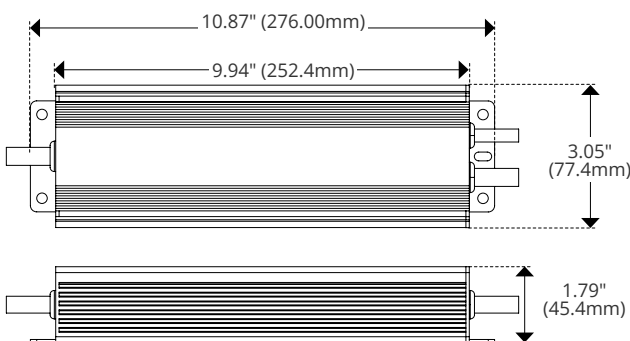
### Features

- Universal Dimming: ELV, MLV, Triac, DMX, or 0-10V down to ≤1%
- Overload Protection/Auto Reset Short Circuit Protection
- Free Air Convection Cooling
- Suitable for Dry, Damp, and Wet Location
- UL-listed Class 2

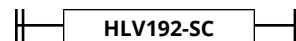
### Description

Light up outdoor spaces with resilience using the HLV192-SC, a 96W constant voltage LED power supply designed to thrive in diverse environmental conditions. With wide dimming compatibility catering to various systems, this power supply provides a versatile solution for outdoor applications. Featuring protective measures and a design for consistent performance, the HLV192-SC sets the standard for durability and adaptability. UL-listed as Class 2 and suitable for Dry, Damp, and Wet locations, it delivers reliable illumination in various outdoor settings.

### Dimensions



### Order Code



Kelvix reserves the right to update the product specifications at any time. Field modifications will void Kelvix warranty  
 Conforms to UL8750. Certified to CAN/CSA Standard C22.2 NO. 250.13

Fixture Type \_\_\_\_\_

Project Name \_\_\_\_\_

Location \_\_\_\_\_



# Product Details

## HLV192

### SPECIFICATION

Spec	HLV192	
<b>Input</b>		
Input Voltage	100 - 277V AC	
Input Current	2.3A	
Rated Input Voltage - Phase Cut Dimming	120 V AC	
Rated Input Voltage - No Phase Cut Dimming	120 - 277V AC	
Input Frequency	47 - 63Hz, 50/60 Typical	
Input Current	120V AC @ 100% Load	1.9A
	230V AC @ 100% Load	1A
	277V AC @ 100% Load	0.9A
Inrush Current (Cold Start)	120V AC	19A
	230V AC	
	277V AC	60A
Leakage Current (60Hz)	120V AC	
	230V AC	
	277V AC	
<b>General Characteristics</b>		
Power Factor	120V AC	0.95 @ 30% - 100% Load
	230V AC	0.9 @ 50% - 100% Load
	277V AC	0.9 @ 60% - 100% Load
Total Harmonic Distortion	30% - 100% Load 120V AC	20%
	50% - 100% Load 230V AC	20%
	100% Load 277V AC	20%
Efficiency - Steady State	120V AC	88 - 90%
	277V AC	90 - 92%
	347V AC	90 - 92%
Turn On Delay Time, Cold Start, No Dimmer	0.3 - 0.5S	
<b>Output</b>		
Output Voltage	24V	
Output Current	2 x 4A	
Output Power	192W (2x 96W)	
Voltage Tolerance	±0.5V	
Line Regulation		
Ripple Voltage Full Load, Peak-to-Peak / Average		
Output Voltage Overshoot when Turning Power On		

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Fixture Type \_\_\_\_\_  
 Project Name \_\_\_\_\_  
 Location \_\_\_\_\_



# Product Details

## HLV192

### SPECIFICATION

Spec	HLV192
<b>0-10V or Resistor Dimming</b>	
Can be used to dim the output voltage via a standard commercial wall dimmer (0-10VDC), an external control voltage source (0-10VDC), or external resistor. The dimming range is 100% VOUT to 5% VOUT. When DIM is 8-10VDC, the output voltage maintains 100% VOUT, and when DIM is below 0.6V, the output voltage is 5% VOUT.	
Absolute Maximum Voltage on 0-10V Pin	-2 - 15V
Source Current on 0-10V Dimming Pin	100 uA
DIM Voltage for Full Bright	8V
External Resistor Value at Full Bright	5 - 100%
Output Duty Cycle 0-10V	90 kΩ
<b>PWM Dimming</b>	
The PWM dimming is a dimming manner that can be used to dim the output voltage via the duty cycle of PWM signal. The dimming range is 100% VOUT to 5% VOUT. When the duty cycle is 80% to 100%, the output voltage reaches 100% VOUT, and the output voltage maintains 5% VOUT when the duty cycle below 6%.	
PWM Frequency	0.1 - KHz
High Level Voltage of PWM Signal	8 - 12V, 10V Typical
Lower Level Voltage of PWM Signal	0 - 1V
Output Duty Cycle	5 - 100%
<b>Phase Cut Dimming</b>	
The unit is compatible with Leading-Edge and Trailing-Edge Dimmers	
Input Voltage	120V AC
Dim Output Voltage	0 - 100%
Suggest Load Range (PWM)	19.2 - 192W
<b>Triac Dimming</b>	
Input Voltage	
Dim Output Voltage (PWM)	
Suggest Load Range for 120V AC	
<b>Protection</b>	
Over Voltage Protection	Latch Off Mode
Over Temperature Protection	Unit will recover automatically after fault conditions are removed
	If the case temperature exceeds 90°C, the output voltage of the driver is automatically reduced.
Short Circuit Protection	Auto-recovery after fault conditions are removed.
<b>Environment</b>	
Storage Temperature	-40°F (-40°C) - 185°F (85°C), 10% RH to 95% RH
Ambient Operating Temperature	-31°F (-35°C) - 140°F (60°C)
Operating Relative Humidity	10 - 90% Non Condensing
Cooling	Convection cooling
Environment	Dry/Damp/Wet

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Fixture Type \_\_\_\_\_

Project Name \_\_\_\_\_

Location \_\_\_\_\_



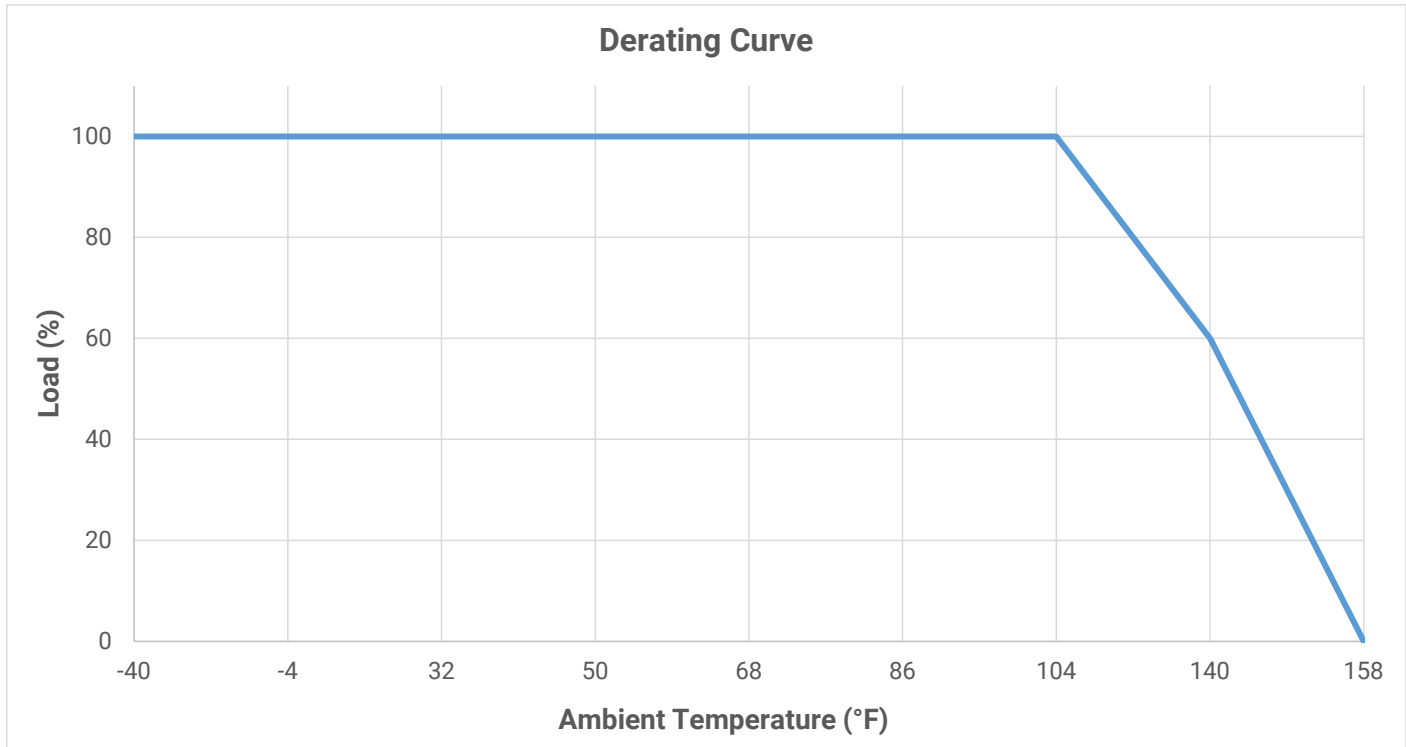


# Dimming Chart

## HLV192

### Charts

#### DERATING CURVE



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Project Name \_\_\_\_\_

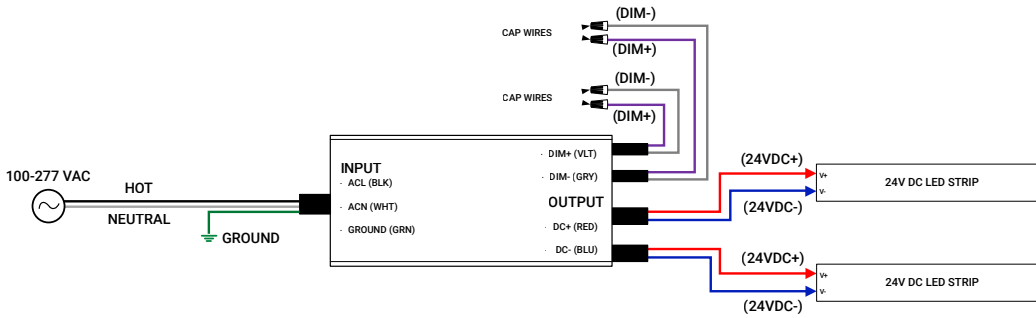
Location \_\_\_\_\_



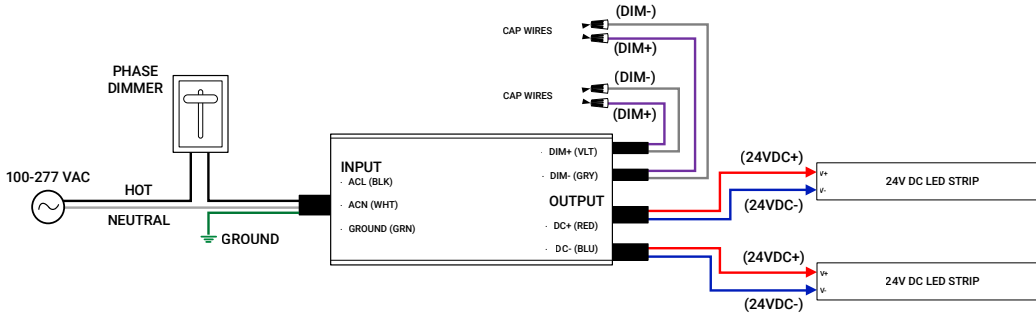
# Wiring Diagram

## ULV192, ULV192-SC, HLV192, HLV192-SC

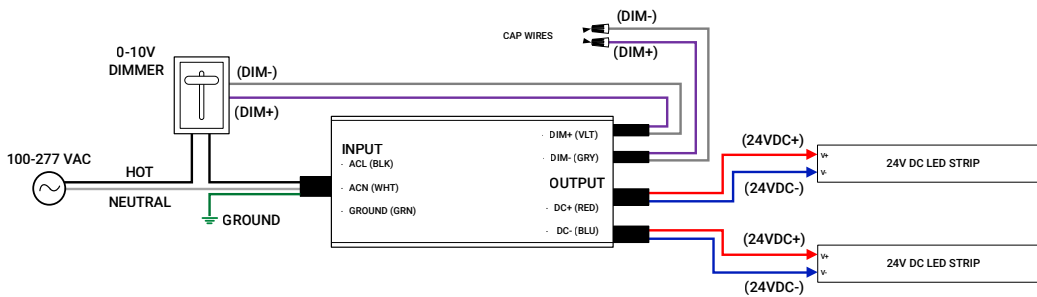
### STANDARD APPLICATION (NO DIMMING)



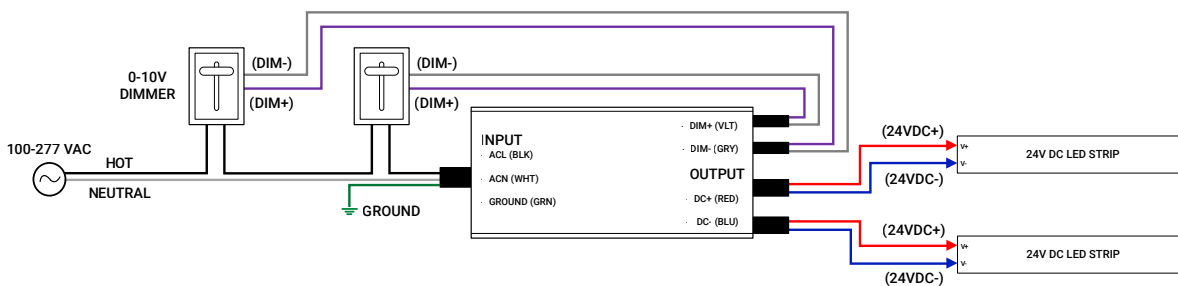
### PRIMARY SIDE DIMMING (120V ONLY)



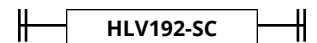
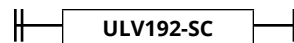
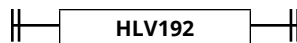
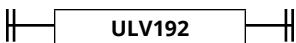
### SECONDARY SIDE DIMMING; 1 CIRCUIT (0-10V)



### SECONDARY SIDE DIMMING; 2 CIRCUIT (0-10V)



### Compatible with:



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