



# Complete Specification Sheet

## HLV36-SC



# HLV36-SC

36 Watt  
24 Volt  
Class 2 Power Supply



### Specifications

Category	Power Supplies
Series	Outdoor Universal
Family	36W
Input Voltage	100-277V AC
Output Voltage	24 DC Constant Voltage
Max Wattage	36W
Operating Temp.	-40°F(-40°C) to 140°F (60°C)
Dimming Options	MLV, ELV, 0-10V, Inc

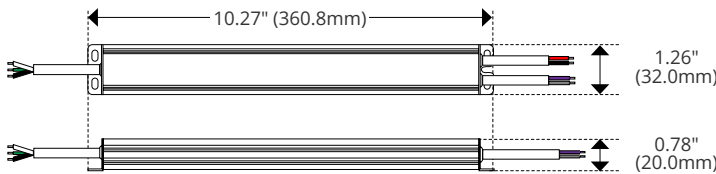
### Features

- Flicker-free Dimming Down to  $\leq 1\%$
- Protections: Short Circuit/Over Current/Over Voltage
- Free Air Convection Cooling
- Suitable for Dry/Damp/Wet Location
- UL-listed Class 2

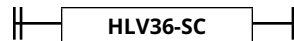
### Description

Illuminate indoor spaces with confidence using the HLV36-SC, a versatile 36W constant voltage LED power supply designed to adapt seamlessly to various dimming systems. Ensuring reliable operation with built-in protective measures, this power supply embraces a robust design for efficient performance. UL-listed as Class 2 and suitable for Dry, Damp and Wet locations, it offers a reliable and adaptable solution for your indoor/outdoor lighting needs.

### 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

## HLV36-SC

### SPECIFICATION

Spec	HLV36-SC	
<b>Input</b>		
Input Voltage	100 - 277V AC	
Input Frequency	47 - 63Hz, 50/60 Typical	
Input Current	277V AC	0.55A @ 100% Load
Inrush Current (Cold Start)	120V AC	5A, 960us @ 100% Load
	277V AC	13A, 1ms @ 100% Load
Leakage Current (60Hz)	120V AC	<0.5mA
<b>General Characteristics</b>		
Power Factor	120V AC	0.99 @ 30% - 100% Load
	277V AC	0.98 @ 70% - 100% Load
Total Harmonic Distortion	120V AC	<10% @ 30% - 100% Load
	277V AC	<15% @ 60% - 100% Load
Efficiency - Steady State	120V AC	79%
	277V AC	80%
Turn On Delay Time, Cold Start, No Dimmer		
<b>Output</b>		
Output Voltage	24V	
Output Current	1.5A	
Output Power	36W	
Voltage Tolerance	±0.5V	
<b>Protection</b>		
Over Loading	≤120% Hiccup mode, auto-recovery after fault condition is removed	
Over Temperature Protection	212°F±18°F shut down o/p voltage, automatically recover after cooling	
Short Circuit Protection	Hiccup mode, recovers automatically after fault condition is removed	
<b>Environment</b>		
Storage Temperature	-40°F (-40°C) - 176°F (80°C), 10% RH to 95% RH	
Ambient Operating Temperature	-40OF(-40OC) to 140OF (60OC)	
Operating Relative Humidity	20 - 90% Non Condensing	
Cooling	Convection cooling	
Environment	Dry/Damp/Wet	

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# Product Details

## HLV36-SC

### SPECIFICATION

Spec	HLV36-SC
<b>Others</b>	
Length	10.27" (360.8mm)
Width	1.26" (32.0mm)
Height	0.78" (20.0mm)
Net Weight	0.77lbs (0.35Kg)
<b>Safety Compliance</b>	
Certifications	UL8750 + UL1310, class 2 CAN/CSA-C22.2 No. 250.13
Vibration	10-500Hz, 5G 10min/1 cycle, period for 60min each along X, Y, Z axes
Withstand Voltage	I/P-O/P: 1.88KVAC
Isolation Resistance	I/P-O/P: 100MΩ / 500VDC / 77°F / 70% RH
EMI Emission	FCC 47 CFR Part 15, Subpart B (US)
Note:	<p>1. All parameters if NOT specially mentioned are measured at 120VAC input, rated load and 77°F of ambient temperature.</p> <p>2. Tolerance: includes set up tolerance, line regulation and load regulation. 3. The power supply is considered as a component that will be operated in combination with final Equipment. Since EMC performance will be affected by the complete installation, the final equipment manufactures must be-qualify EMC Directive on the complete installation again.</p>

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

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

Location \_\_\_\_\_

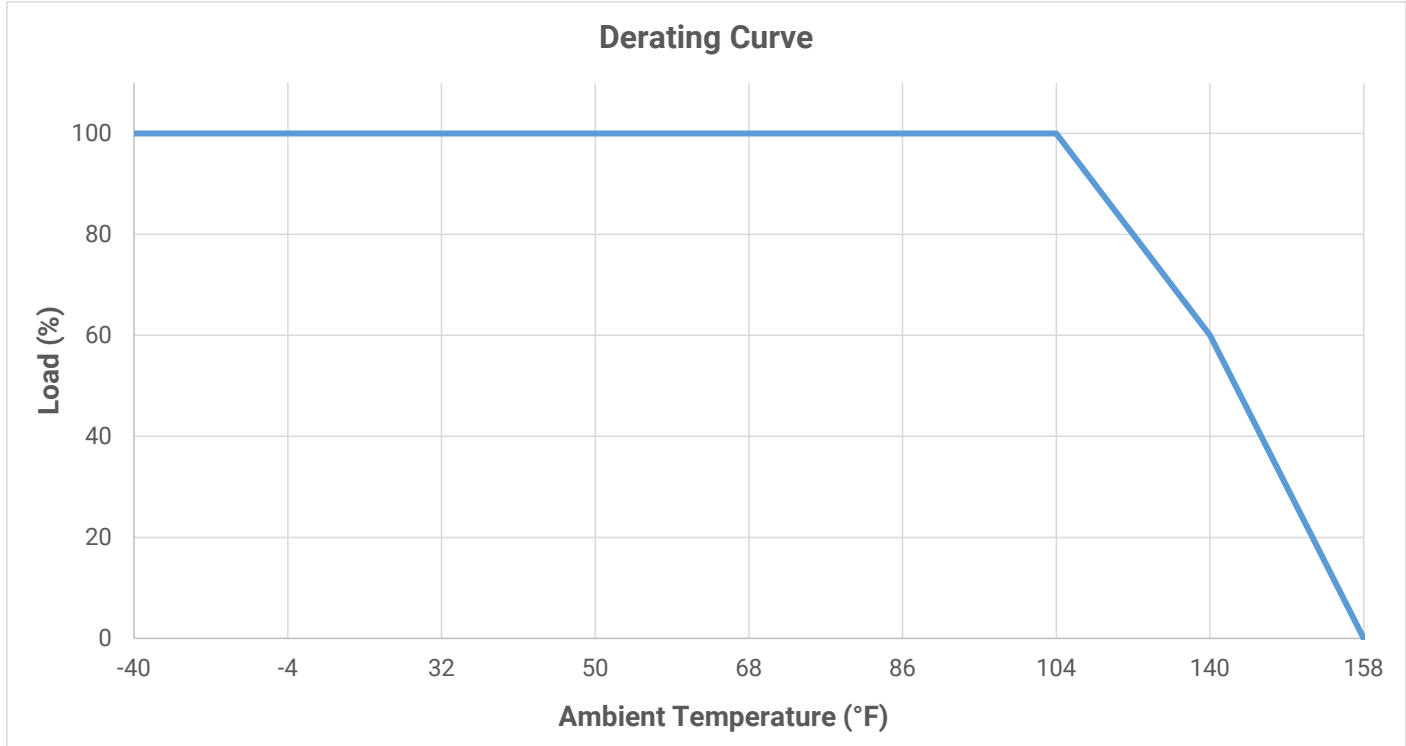


# Dimming Chart

## HLV36-SC

### Charts

#### DERATING CURVE



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

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

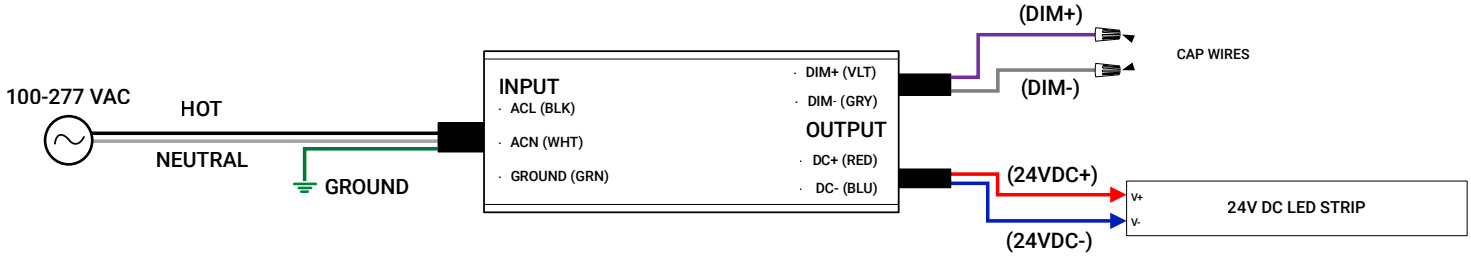
Location \_\_\_\_\_



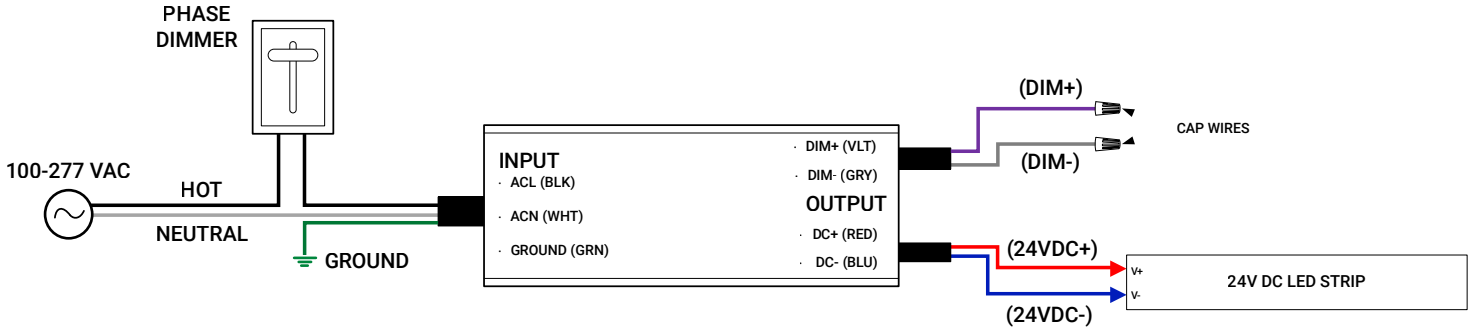
# Wiring Diagram

## ULV36, ULV96-X, HLV36-X, HLV96-X

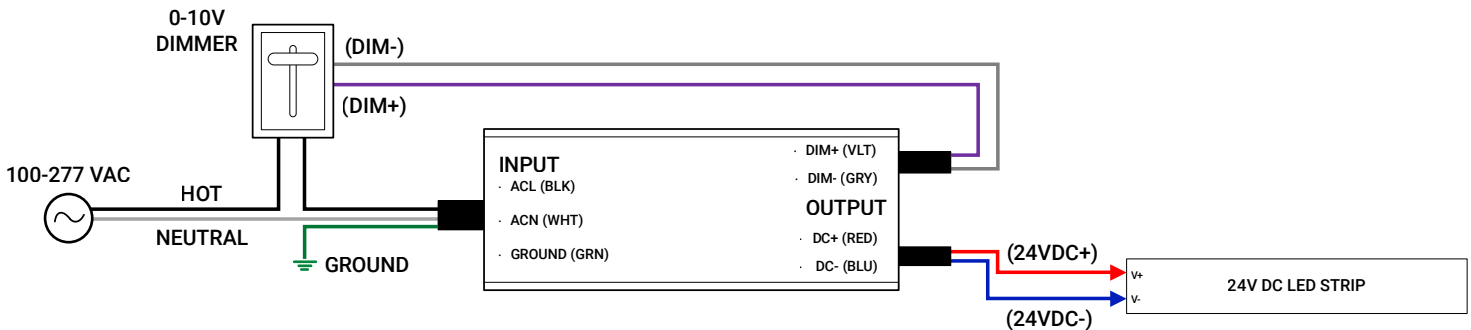
### STANDARD APPLICATION (NO DIMMING)



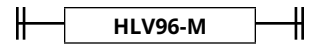
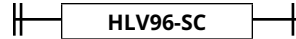
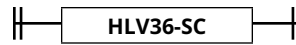
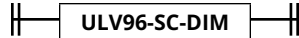
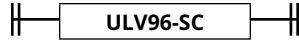
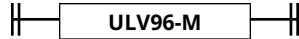
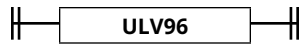
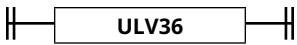
### PRIMARY SIDE DIMMING (120V ONLY)



### SECONDARY SIDE DIMMING (0-10V)



### Compatible with:



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