



# Complete Specification Sheet

## SLV30

# SLV30

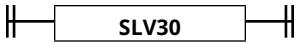
30 Watt  
24 Volt Non-Dim  
Class 2 Power Supply



### Specifications

Category	Power Supplies
Series	SLV
Family	30W
Input Voltage	100-277V AC
Output Voltage	24 DC Constant Voltage
Max Wattage	30W
Operating Temp.	-40°F(-40°C) - 140°F (60°C)
Dimming Options	None (Requires external secondary-side dimming device)

### Order Code



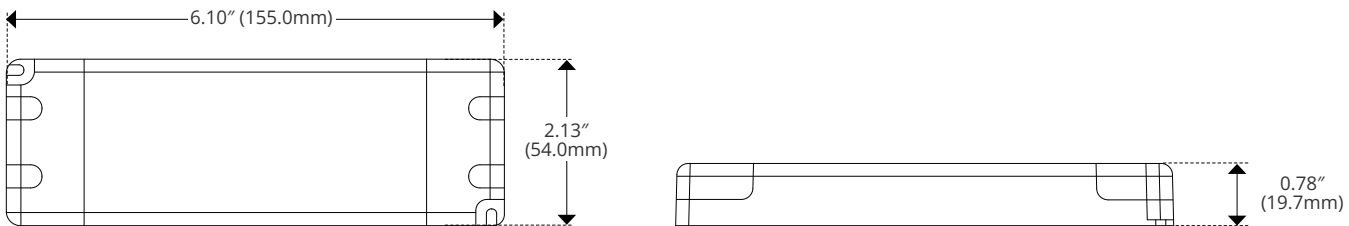
### Features

- Non-Dimmable Driver
- Compatible with Color Changing and Pixel Systems
- Overload Protection/Auto Reset Short Circuit Protection
- Free Air Convection Cooling
- Suitable for Dry/Damp Location
- UL-Listed Class 2

### Description

The SLV30 is a robust 30 Watt non-dimming LED power supply designed for digital pixel (SPI) controlled lighting. Its high efficiency design maximizes power usage, making it an ideal choice for applications where precision and energy conservation are essential. The SLV30 seamlessly integrates with Kelvix digital pixel-controlled products, offering the capability to power a diverse array of creative installations and shows.

### Dimensions



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

## SLV30

### SPECIFICATION

Spec	SLV30
<b>Input</b>	
Input Voltage	100 - 277V AC
Input Current	1.25A
Input Frequency	47 - 63Hz
Inrush Current (Cold Start)	7A, 420us @ 50% 120VAC
Leakage Current (60Hz)	<0.5 mA
<b>General Characteristics</b>	
Power Factor	0.99 @ 120VAC - 100% Load
Total Harmonic Distortion	<15% @ 120VAC - 100% Load
Efficiency - Steady State	82%
<b>Output</b>	
Output Voltage	24V
Output Current	1.25A
Output Power	30W
Voltage Tolerance	±0.5V
Line Regulation	1%
<b>Protection</b>	
Over Loading	≤120% shut down o/p voltage, re-power on to recover after fault condition is removed
Over Temperature Protection	212°F±18°F shut down o/p voltage, automatically recover after cooling
Short Circuit Protection	Shut down o/p voltage, re-power on to recover after fault condition is removed
<b>Environment</b>	
Storage Temperature	-40~+176°F, 10~95% RH
Ambient Operating Temperature	-40 - 140°F
Operating Relative Humidity	20 - 90% RH Non Condensing
Cooling	Convection cooling
Environment	Dry

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# Product Details

## SLV30

### SPECIFICATION

Spec	SLV30
<b>Others</b>	
Length	6.10" (155mm)
Width	2.13" (54mm)
Height	0.78" (19.7mm)
Net Weight	0.44lbs (0.2Kg)
<b>Safety Compliance</b>	
Certifications	UL cUL FCC Class 2 CE RoHS Reach
Vibration	10~500Hz, 2G 10min/1 cycle, period for 60min each along X, Y, Z axes
Withstand Voltage	I/P-O/P: 1.8KVAC (US)
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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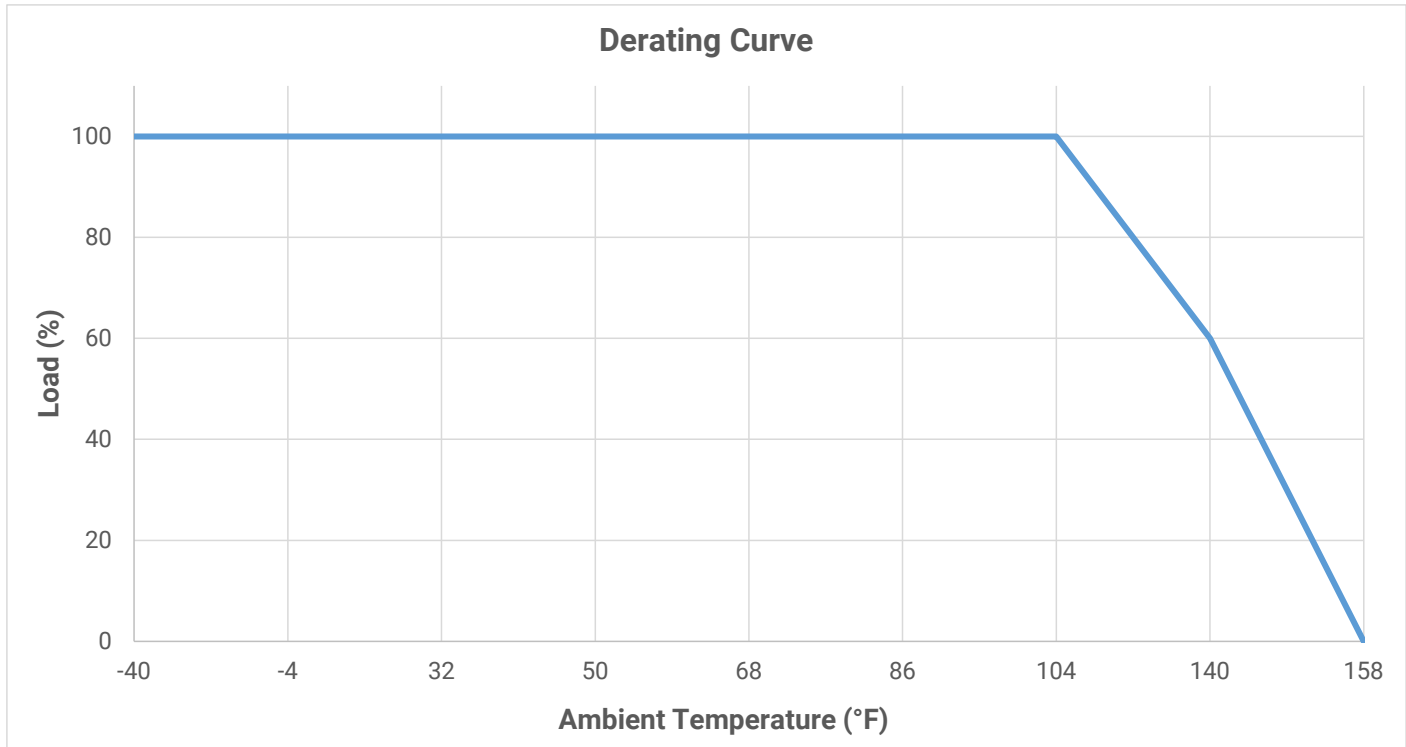


# Dimming Chart

## SLV30

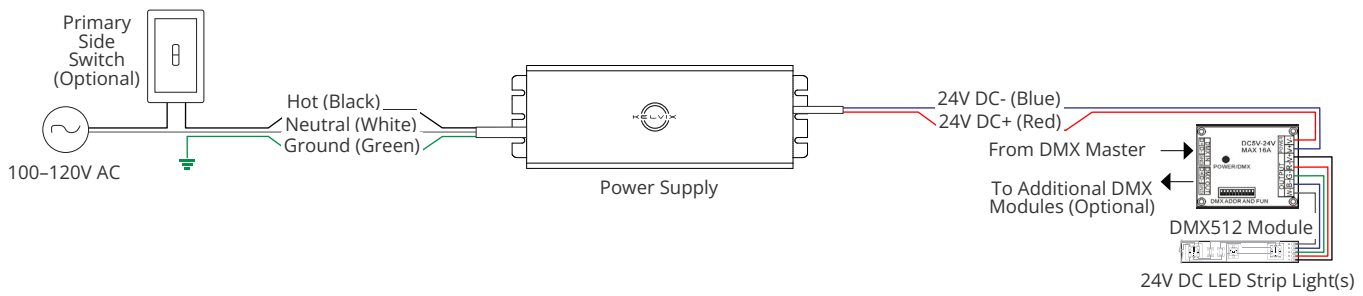
### Charts

#### DERATING CURVE



### Wiring Diagram

#### SECONDARY SIDE DIMMING (DMX)



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