FIXTURE TYPE _____

PROJECT NAME _____

LOCATION _____

HLV36-SC

36 WATT–24 VOLT | CLASS 2 POWER SUPPLY

RoHS COMPLIANT · cULus LISTED · CE · CLASS 2 · 24V DC · Dry Rated · Wet Rated

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.

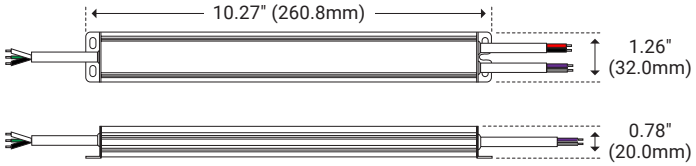
Features

- Flicker-free Dimming Down to ≤1%
- TRIAC, ELV, MLV, or 1–10V Dimming
- Protections: Short Circuit/Over Current/ Over Voltage
- Free Air Convection Cooling
- Suitable for Dry/Damp/Wet Location
- UL-listed Class 2

Specifications

Series	HLV36-SC
Input Voltage	100–277V AC
Output Voltage	24V DC / Constant Voltage
Max Wattage	36W
Temp Range	-20°F(-29°C) – 158°F (70°C)
Dimensions	10.27" × 1.26" × 0.78"
Classification	Class 2

Dimensions



Series List

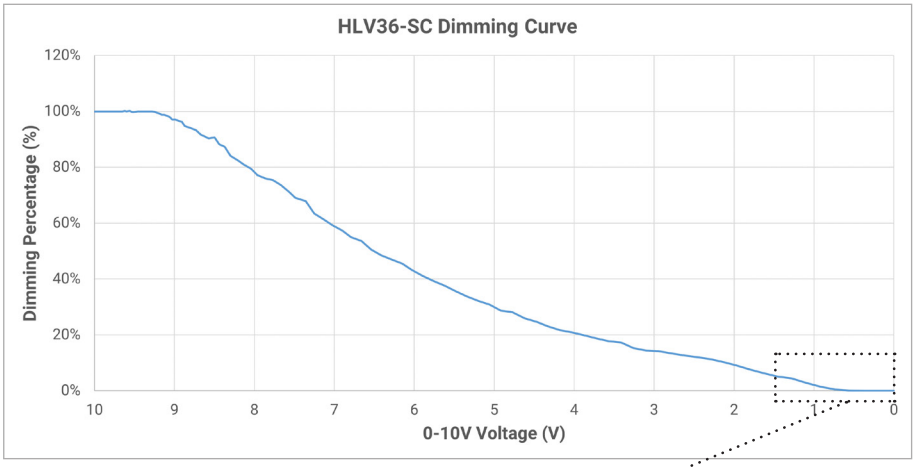
Model Name	Rated Input Voltage	Rated Output Power	Rated Output Voltage	Output Current	Note
HLV36-SC	100-277V AC	36W	24V	0-1500mA	3 in 1 Dimming

Series Data

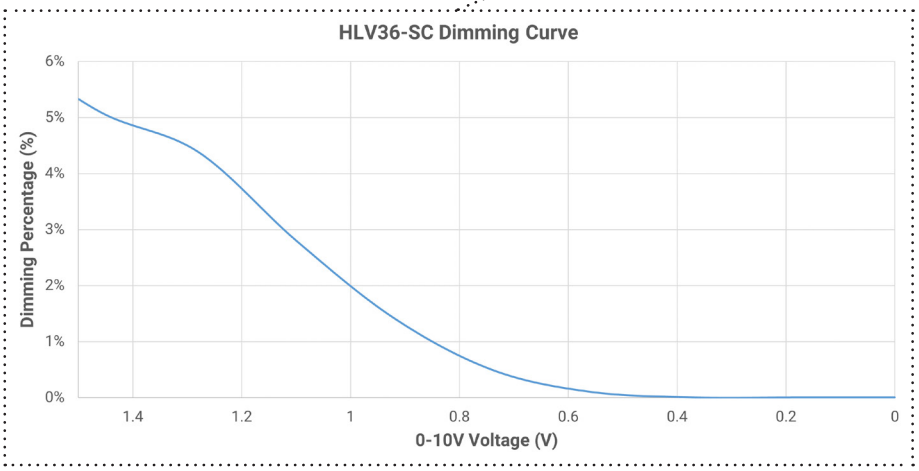
Model		HLV36-SC	
Output	DC Voltage	24V	
	Voltage Tolerance	±0.5V	
	Voltage Regulation	±0.5%	
	Rated Current	1.5A	
	Rated Power	36W	
	Load Regulation	±1%	
Input	Voltage Range	100-277VAC	
	Frequency Range	47 - 63Hz	
	Power Factor (Typ.) @ full load	0.99 @ 120VAC	0.98 @ 277VAC
	THD (Typ.) @ full load	<10% @ 120VAC	<15% @ 277VAC
	Efficiency (Typ.) @ full load	79% @ 120VAC	80% @ 277VAC
	AC Current (Max.)	0.55A	
	Inrush Current (Typ)	13A	
	Leakage Current	<0.5mA	
Protection	Short Circuit	120VAC Hiccup mode, recovers automatically after fault condition is removed	
		277VAC shut down o/p voltage, re-power on to recover after fault condition removed	
	Over Loading	≤120% Hiccup mode, recovers automatically after fault condition is removed	
	Over Temperature	212°F±18°F shut down o/p voltage, automatically recover after cooling	
Environment	Working Temperature	40°~+140°F	
	Working Humidity	20 – 95% RH, non-condensing	
	Storage Temperature Humidity	-40~+176°F, 10 – 95% RH	
	Temperature Coefficient	±0.054%/°F (0 – 122°F)	
	Vibration	10~500Hz, 5G 10min/1 cycle, period for 60min each along X, Y, Z axes	
Safety & EMC	Safety Standards	UL8750 + UL1310, class 2 CAN/CSA-C22.2 No. 250.13	
	Withstand Voltage	I/P-O/P: 1.88KVAC	
	Isolation Resistance	I/P-O/P: 100MΩ / 500VDC / 77°F / 70% RH	
	EMC Emission	FCC 47 CFR Part 15, Subpart B	
Other	Net Weight	0.77lbs (0.35Kg)	
	Size	10.236" × 1.260" × 0.787" (260.8mm × 32mm × 20mm)	
Notes	1. All parameters if NOT specially mentioned are measred at 120VAC input, rated load and 77°F of ambient temperature. 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.		

Charts

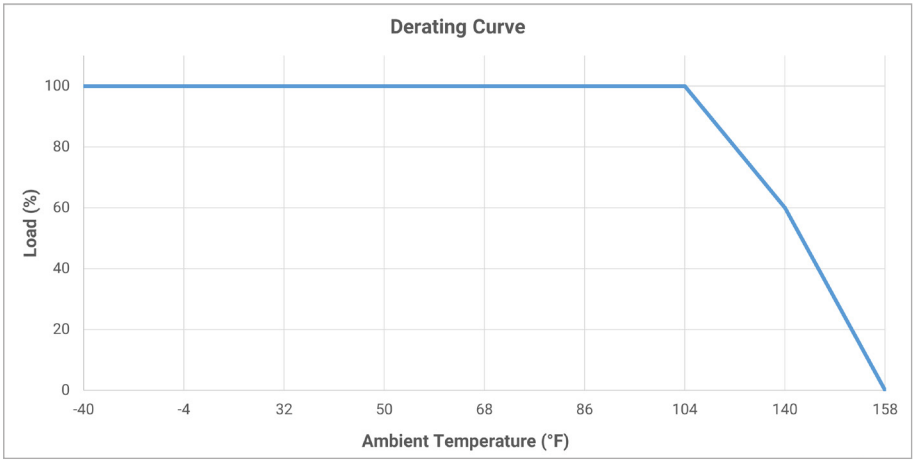
Dimming Curve (Full)



Dimming Curve (Exploded)

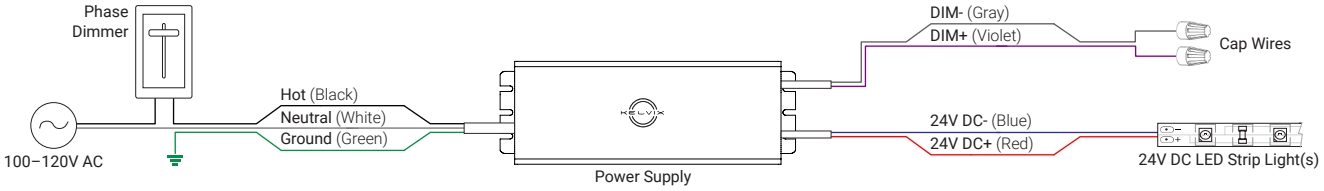


Derating Curve

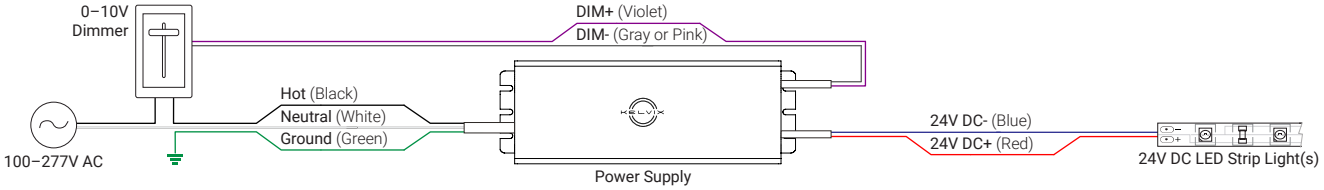


Wiring Diagram

Phase Dimming (120V Only)



0–10V Dimming



DMX Control