



IHCV-1M1UNV024V-60L

IP65



RoHS COMPLIANT



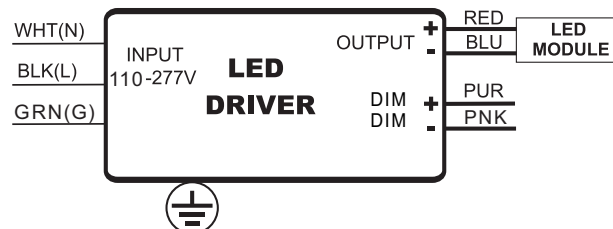
Constant Voltage LED Driver

- Input Voltage: 110V - 277V, 50/60Hz
- Output Current: 2.5A Max.
- Output Voltage: 24V $\overline{\text{---}}$
- Output Power: 60W Max.
- Class 2 LED Driver
- Isolated 0-10V Dimming
- Suitable for Dry and Damp location
- Class P

General Specifications

| | |
|-------------------------------------|---|
| Input Voltage / Frequency | 110V - 277VAC 50/60Hz |
| Input Current | 0.7A Max. |
| Input Power | 70.5W Max. |
| Input Power Factor | >0.90 @60-100% load @ Input 277V |
| THD | <20% @60-100% load @ Input 277V |
| Driver Type | Constant Voltage |
| Output Voltage Range | 24V $\overline{\text{---}}$ |
| Output Current | 0-2500mA |
| Output Power | 60W Max. |
| Efficiency | 87.5% |
| Output Type | Constant Voltage |
| Inrush Current | 52.8A @277VAC |
| Max. Leakage Current | 0.75mA |
| Total Over All Ripple | <10% |
| Flicker Percentage | 30% |
| Dimming Type | 0-10V |
| Dimming Range | 100% - 0.1% |
| Dimming isolation | Yes |
| Operating Ambient Temperature Range | -40°C - 52°C (-40°F To 125.6°F) |
| Max. Driver Case Temperature | 90°C |
| Start Up Time | 0.5s |
| Number of Output Channels | 1 |
| Overall Size | 9.52"x 1.201"x 1.75"(241.8mm x 44.5mm x 30.5mm) |
| Weight | 1.23 lbs (586g) |
| Wire Type / Length | Input: 18AWG / 11.8"(300mm) Output & Dimming: 18AWG / 11.8"(300mm) |
| Safety / Compliance | cULus Listed, UL 8750, UL1310 CSA C22.2 No.250.13, IEC/EN 61347-1, IEC/EN 61347-2-13 FCC Part 15B@110VAC, FCC Part 15A@277VAC, EN IEC 55015 EN IEC 61000-3-2, IEC/EN 61000-3-3, IEC/EN 61547 |
| IP Rating | IP65 |
| Operating Humidity | 5-95% RH Non-condensing |
| Input Surge Protection | 2kV Combination Wave, RingWave 2.5kV |
| Protections | Over-Voltage Protection, Over-Current Protection, Over-Power Protection Short-Circuit Protection, Over-Temperature Protection |
| Sound Rating | A |
| Service Life | 50,000Hrs @Max Load, 80°C Tc |
| Warranty | 5 years @ Tc 80°C from the date of manufacture |

General Wiring Diagram





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Typical Characteristics Curve

Figure 1

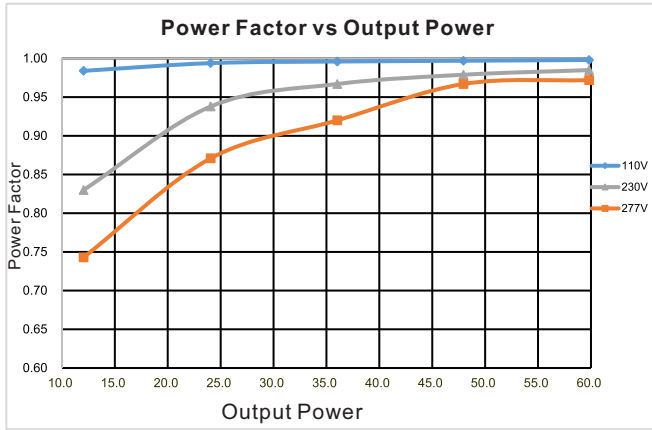


Figure 2

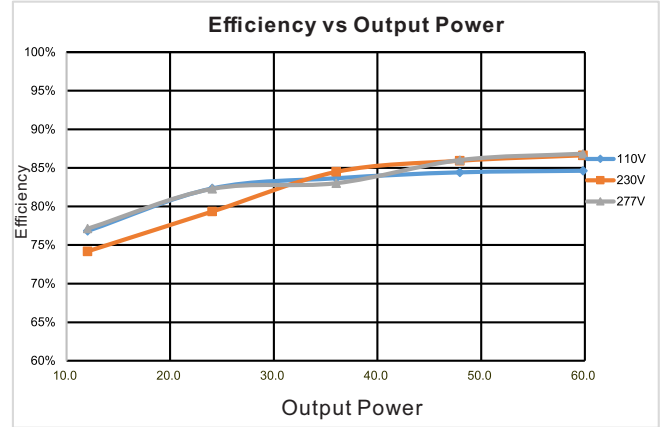


Figure 3

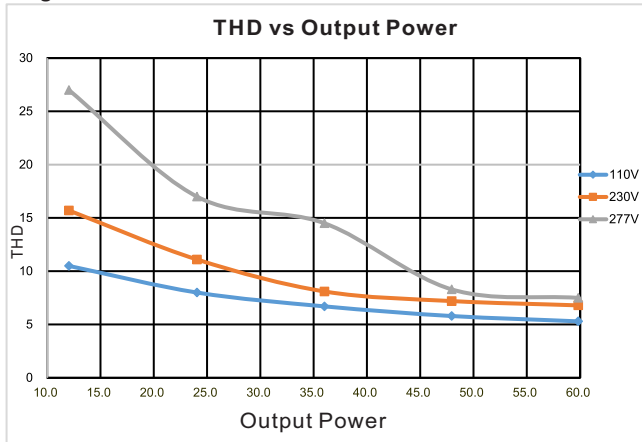


Figure 4

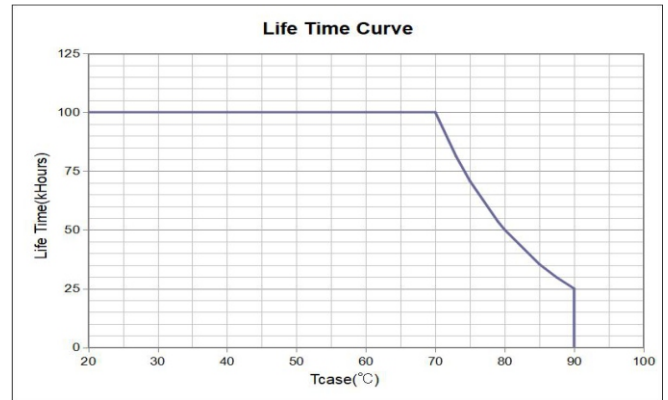


Figure 5

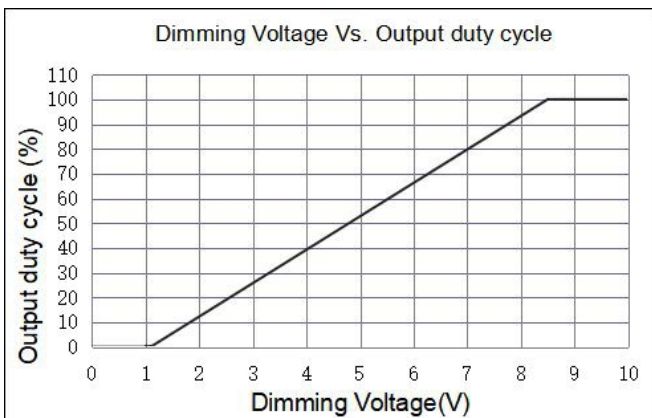
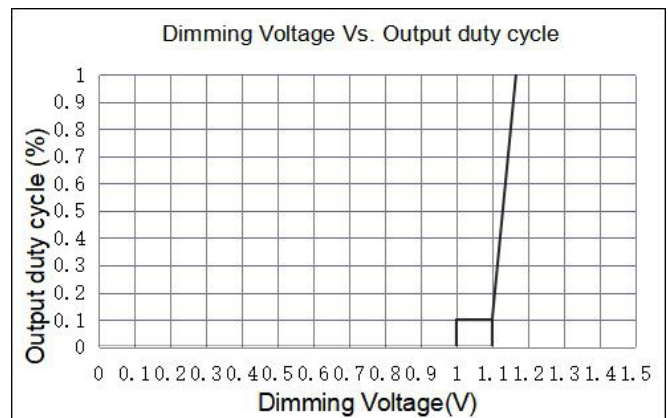


Figure 6





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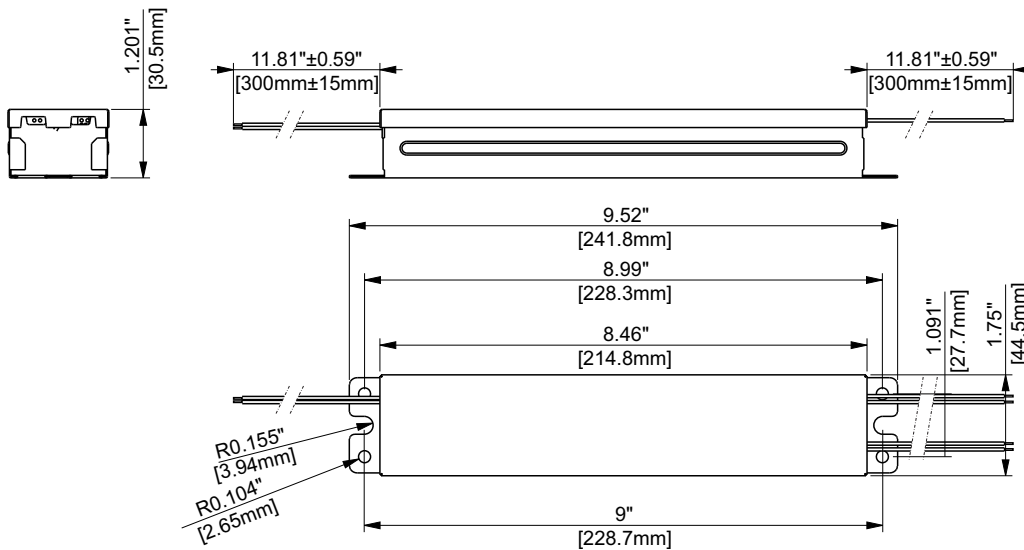


Part Number Matrix

IH CV 1 M 1 UNV 024 V 60 L

| LED Driver | Constant Voltage | # of Control Channels | Control Type | # of Output Channels | Input Voltage | Output Voltage | Characteristic | Max. Output Power | Case Type |
|-------------|-----------------------|-----------------------|-------------------|----------------------|---------------|----------------|----------------|-------------------|------------|
| IH=IceHorse | CV = Constant Voltage | 1 = 1 Channel | M = 0-10V dimming | 1 = 1 Channel | UNV=120-277V | 024=24V | V = Voltage | 60=60W | L = Linear |

Mechanical Drawings



| Overall Dimensions | |
|--------------------|----------------|
| Length | 9.52"(241.8mm) |
| Width | 1.75"(44.5mm) |
| Height | 1.201"(30.5mm) |

| Wire Length | |
|-------------|--------------|
| Input | 11.8"(300mm) |
| Output | 11.8"(300mm) |



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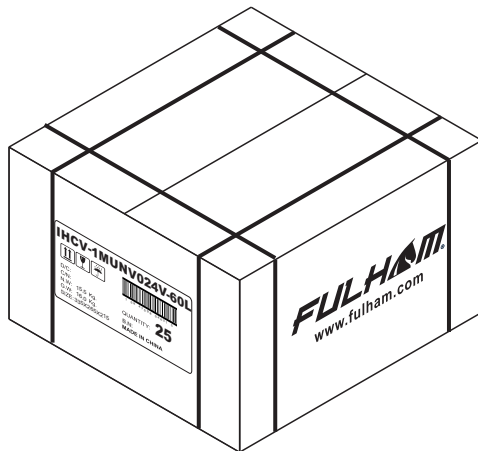


Product Image:



Packaging

Master Carton



| OUTER DIMENSION | | |
|-----------------------|-----------------------|---------------|
| L | W | H |
| 13.19" (335mm) | 10.43"(265mm) | 8.46" (215mm) |
| Net Weight | Gross Weight | QUANTITY |
| 34.17bs. (15.5kg.) | 35.27lbs. (16.0kg) | 25pcs. |