

# The Power of Illumination

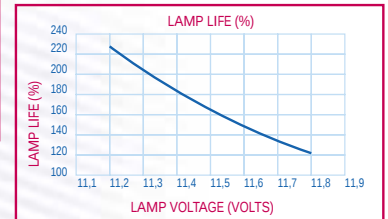
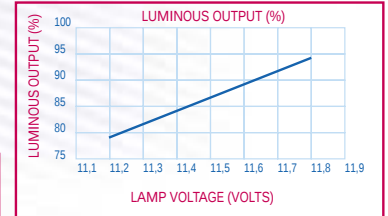
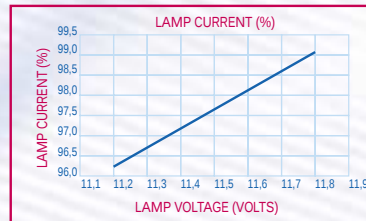
## Electronic transformer



## GENERAL SPECIFICATIONS :

- Input 120 Volts 50/60 Hz
- Power factor > .93
- THD < 20%
- Operating frequency > 10 kHz
- Class A insulation system, maximum transformer temperature for 90°C
- Minimum load of 10 Watts
- Generally the dimmer should have a minimum load of 40 W for proper functioning. Consult with UL recommendations for temperatures higher than 90°C
- For non short proof units, do not short output conductors
- Dimmable

## GENERAL LAMP CHARACTERISTICS :



## PLASTIC CASING

Electronic circuitry is encapsulated in a flame retardant plastic casing to withstand harsh and damp conditions for temperatures ranging from +5°F to +195°F (-15°C to 90°C)

Input : 120 VAC - for 12 Volts lamps

| MODEL NO.   | MAXIMUM LOAD | CLASS 2 | OVERLOAD PROTECTION | SHORT CIRCUIT PROTECTION | RFI | CASING |
|-------------|--------------|---------|---------------------|--------------------------|-----|--------|
| CV90001     | 75 WATTS     |         |                     |                          |     | D      |
| CV90010     | 105 WATTS    |         |                     |                          |     | B      |
| CV90012     | 150 WATTS    |         |                     |                          |     | B      |
| CV90020     | 75 WATTS     |         |                     |                          | YES | D      |
| CV90021     | 200 WATTS    |         |                     |                          |     | B      |
| CV90027*,** | 60 WATTS     | YES     | YES                 | YES                      | YES | C      |
| CV90049     | 60 WATTS     | YES     | YES                 | YES                      | YES | A      |

SEE REQUIRED MOUNTING INSTRUCTIONS FOR CONVERTER MODEL CV90021 (ALSO RECOMMENDED FOR MODEL CV90012)

Input : 120 VAC - for 24 Volts lamps

| MODEL NO. | MAXIMUM LOAD | CLASS 2 | OVERLOAD PROTECTION | SHORT CIRCUIT PROTECTION | RFI | CASING |
|-----------|--------------|---------|---------------------|--------------------------|-----|--------|
| CV90038   | 75 WATTS     |         |                     |                          |     | D      |
| CV90052   | 150 WATTS    |         |                     |                          |     | B      |

Input : 230 VAC - for 12 Volts lamps

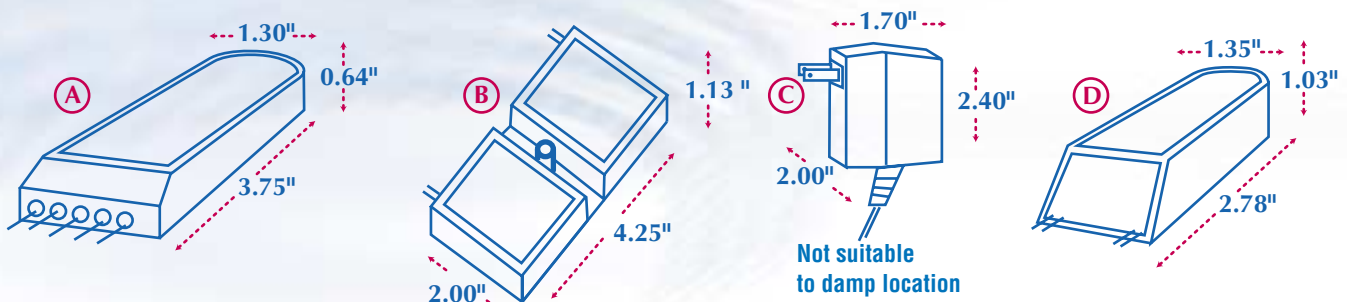
| MODEL NO. | MAXIMUM LOAD | CLASS 2 | OVERLOAD PROTECTION | SHORT CIRCUIT PROTECTION | RFI | CASING |
|-----------|--------------|---------|---------------------|--------------------------|-----|--------|
| CV90036*  | 75 WATTS     |         |                     |                          |     | D      |
| CV90113*  | 150 WATTS    |         |                     |                          |     | B      |

Input : 277 VAC - for 12 Volts lamps

| MODEL NO. | MAXIMUM LOAD | CLASS 2 | OVERLOAD PROTECTION | SHORT CIRCUIT PROTECTION | RFI | CASING |
|-----------|--------------|---------|---------------------|--------------------------|-----|--------|
| CV90111*  | 150 WATTS    |         |                     |                          |     | B      |
| CV90112*  | 75 WATTS     |         |                     |                          |     | D      |

\* Not dimmable

\*\* Not suitable for damp location



## METAL CASING

Electronic circuitry housed in a galvanized perforated steel enclosure

### 60 WATTS

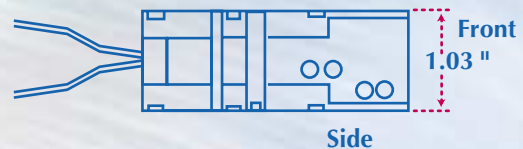
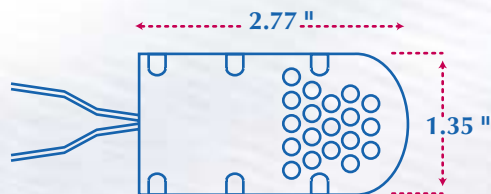
Input : 120 VAC - for 12 Volts lamps

| MODEL NO. | CLASS 2 | RFI | OVERLOAD PROTECTION | SHORT CIRCUIT PROTECTION |
|-----------|---------|-----|---------------------|--------------------------|
| CV90095   |         |     |                     |                          |
| CV90096   |         | YES |                     |                          |
| CV90097   | YES     |     | YES                 | YES                      |
| CV90098   | YES     | YES | YES                 | YES                      |

### 75 WATTS

Input : 120 VAC - for 12 Volts lamps

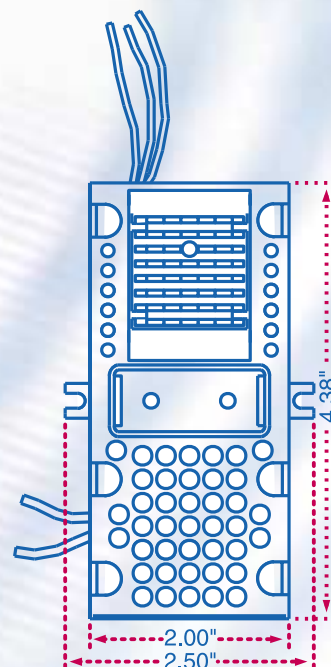
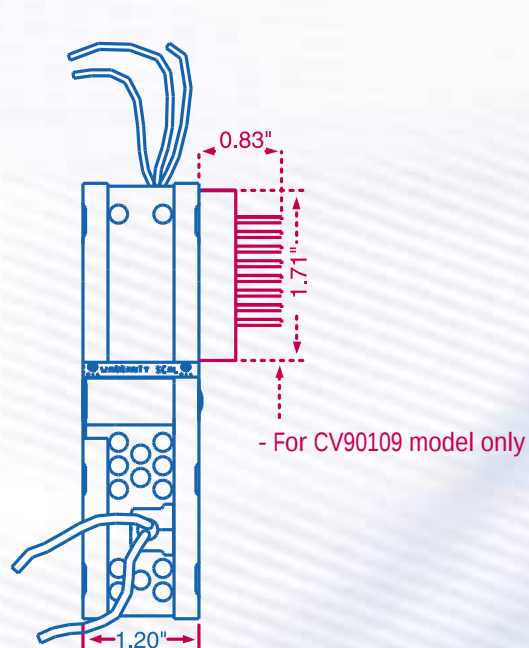
| MODEL NO. | CLASS 2 | RFI | OVERLOAD PROTECTION | SHORT CIRCUIT PROTECTION |
|-----------|---------|-----|---------------------|--------------------------|
| CV90080   |         |     |                     |                          |
| CV90081   |         | YES |                     |                          |
| CV90082   |         |     | YES                 | YES                      |
| CV90083   |         | YES | YES                 | YES                      |



### 150 WATTS

Input : 120 VAC - for 12 Volts lamps

| MODEL NO. | CLASS 2 | RFI | OVERLOAD PROTECTION | SHORT CIRCUIT PROTECTION | DC OUTPUT |
|-----------|---------|-----|---------------------|--------------------------|-----------|
| CV90105   |         |     |                     |                          |           |
| CV90106   |         | YES |                     |                          |           |
| CV90107   |         |     | YES                 | YES                      |           |
| CV90108   |         | YES | YES                 | YES                      |           |
| CV90109   |         | YES | YES                 | YES                      | YES       |



# OPEN FRAME

## 60 WATTS

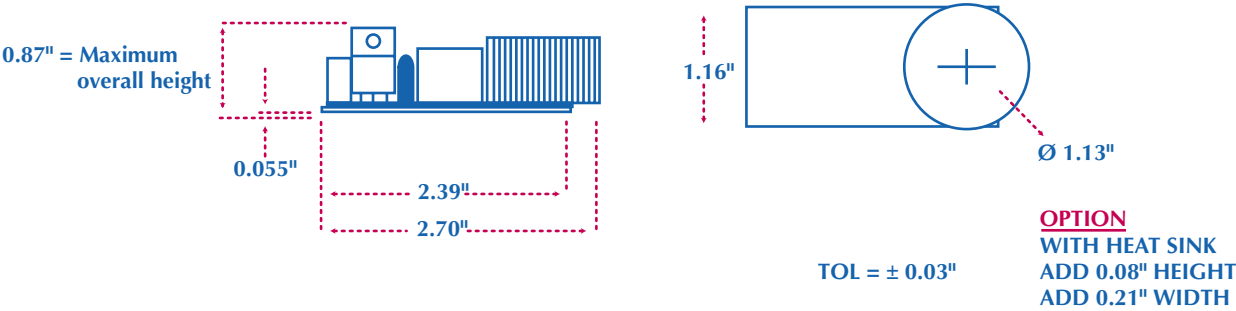
Input : 120 VAC - for 12 Volts lamps

| MODEL NO. | CLASS 2 | RFI | OVERLOAD PROTECTION | SHORT CIRCUIT PROTECTION | HEAT SINK |
|-----------|---------|-----|---------------------|--------------------------|-----------|
| CV90090   |         |     |                     |                          |           |
| CV90091   |         | YES |                     |                          |           |
| CV90092   | YES     |     | YES                 | YES                      |           |
| CV90093   | YES     | YES | YES                 | YES                      |           |
| CV90094   |         |     |                     |                          | YES       |

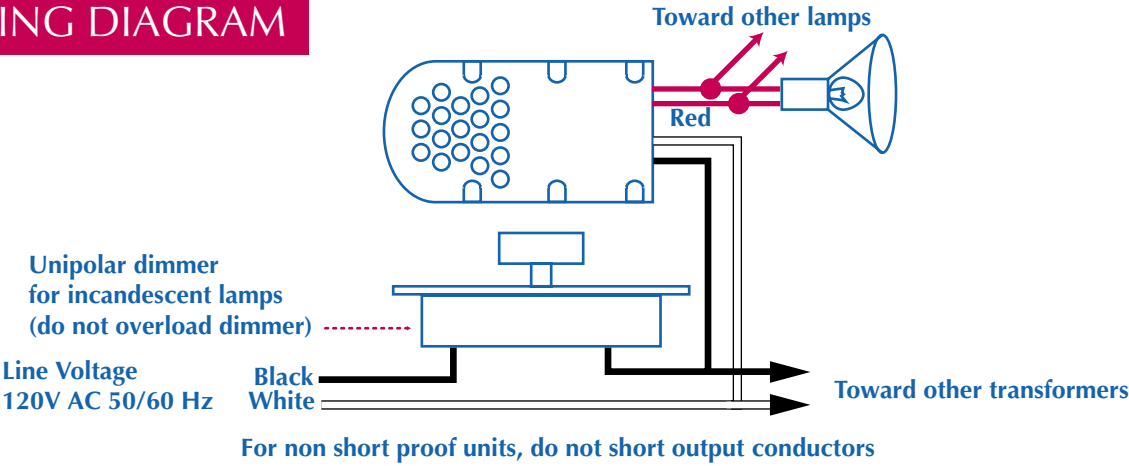
## 75 WATTS

Input : 120 VAC - for 12 Volts lamps

| MODEL NO. | CLASS 2 | RFI | OVERLOAD PROTECTION | SHORT CIRCUIT PROTECTION | HEAT SINK |
|-----------|---------|-----|---------------------|--------------------------|-----------|
| CV90074   |         |     |                     |                          |           |
| CV90075   |         | YES |                     |                          |           |
| CV90076   |         |     | YES                 | YES                      |           |
| CV90077   |         | YES | YES                 | YES                      |           |
| CV90079   |         |     |                     |                          | YES       |



# CABLING DIAGRAM



# WARRANTY

Limited warranty is offered and valid for original purchaser only  
Subject to our standard terms and conditions. Consult factory.