# T12401120-31ES
## SPECIFICATIONS

**IP 20**
**SELV Equivalent**

- Constant Current LED Driver
- Output Wattage: 31W
- Input Voltage: 240VAC ±15%, 50/60Hz
- Output Current: 1120mA ±8%

- PC Enclosure, Connector
- Output voltage range of 20-28VDC
- IP 20, Isolated

## General Specifications

| | |
|---|---|
| Rated Input Voltage | 240VAC ±15%, 50/60 Hz |
| Operating Input Voltage Range | 110-277VAC, 50/60Hz |
| Input Current | 0.38 A Max. |
| Input Power | 38W Max. |
| Power Factor | >0.98 |
| THD | <10% |
| Efficiency | >84% (across Line & Load Range), Typical 86% |
| Driver Type | Constant Current |
| Output Current | 1120mA ±8% |
| Output Voltage Range | 20-28VDC |
| Output Power | 31W |
| Number of Output Channels | 1 Channel |
| Dimming Controller Type/Dimming Range | NA |
| RFI/EMI | NA |
| Output Type | SELV Equivalent, Class II |
| Ambient Operating Temperature Range | -10°C to 50°C |
| Max. Case Temperature | 75°C |
| Sound Rating | NA |
| Input Surge Protection | Line-Neutral 4kV |
| Protections | Input Over Current : NON-Resettable |
| | Input Over Voltage : Over Voltage Operation (48Hrs@320VAC, 2Hrs@360VAC) |
| | Input Under Voltage : Under Voltage Operation (48Hrs@100VAC) |
| | Output Short Circuit : Auto Recovery (HICCUP Mode) |
| | Output Open Circuit : Auto recovery |
| | Output to ground short : Auto recovery |
| | Output Overload : Auto Recovery (HICCUP Mode) |
| | Over Temperature : NA |
| Service Life | 50,000 hours @ Tc Max |
| Approvals / Class | Dry Locations; IP 20 |
| Warranty | 3 years |

Note : Suitable for Indoor application only

**Figure 1**

Efficiency Vs Output Power



- 204VAC
- 240VAC
- 276VAC

**Figure 2**

Power Factor Vs Output Power



- 204VAC
- 240VAC
- 276VAC

**Figure 3**

**Output Current Vs Load Voltage**



- 204VAC
- 240VAC
- 276VAC

**Figure 4**

THD Vs Output Power



- 204VAC
- 240VAC
- 276VAC

**Mechanical Data**

140mm

4.2mm

40mm

150mm

28mm
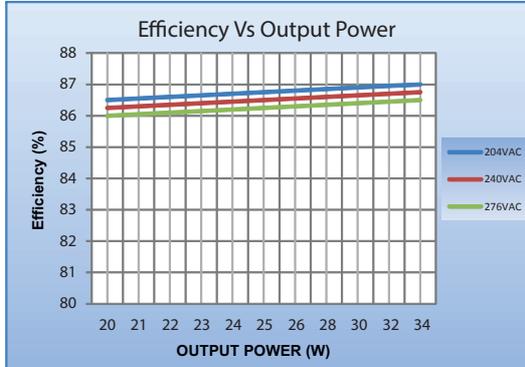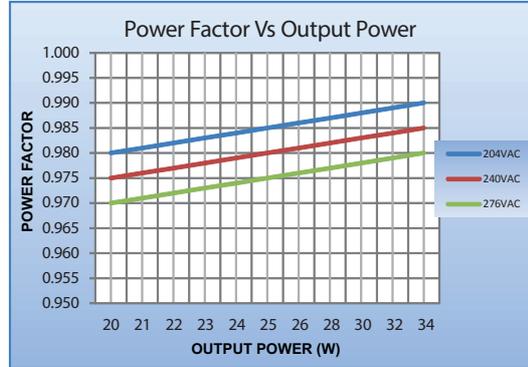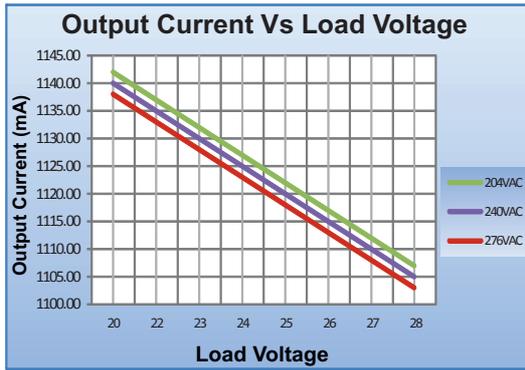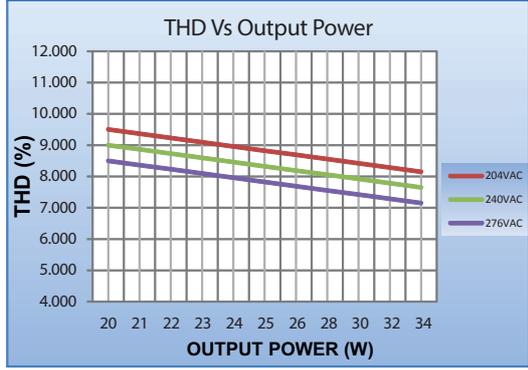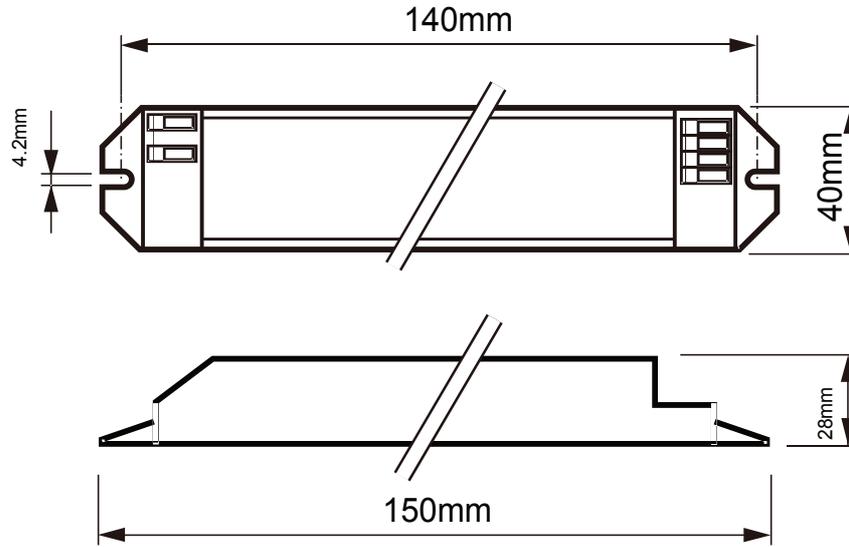
Note : All Dimensions are in mm.

Tolerance=±0.5mm

**Wiring Diagrams**

INPUT | LED DRIVER | OUTPUT
L
N
+
-
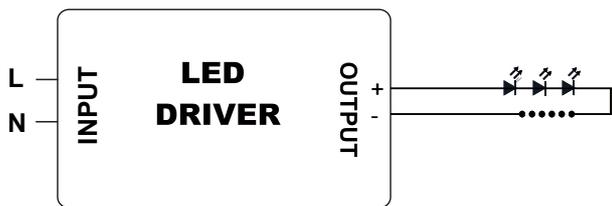
| INPUT SIDE | LENGTH |
|------------|--------|
| BLACK | N.A |
| WHITE | N.A |
| GREEN | N.A |

| OUTPUT SIDE | LENGTH |
|-------------|--------|
| RED | N.A |
| BLUE | N.A |
| Output wire with Terminal: N.A | |