

■ Features

- Power Rating: 12-25W
- Input Voltage: 120-277Vac 0-10V Dimming
- Input Voltage: 108-132Vac Triac/ELV Dimming
- Constant Current design
- Output current (285mA-630mA)
- Output Current settable by DIP switch
- Efficiency up to 83%
- Compatible with 0-10V and Triac/ELV dimming
- UL Class 2 Output
- Lightning protection, OVP, SCP, and OTP
- IP20 and IP66 models
- 5-year warranty



(Pending)

*Product images are for illustrative purposes only and may vary from actual design.

■ Application

- Suitable for a variety of LED lighting applications

■ Model List*(See part number scheme for model number details)

| Model Number | Input Voltage Range | Output Power | Output Voltage | Output Current Min. | Output Current Max. | Efficiency | Certification |
|--------------------|--------------------------|--------------|----------------|---------------------|---------------------|------------|---------------|
| L2WCH030S060PS-XYZ | 120-277Vac 108-132Vac | 25W | 24-42V | 285mA | 630mA | 83% | UL/cUL |

| Settable Output Current | Output Power | Output Current Min. | Output Current | Output Current Max | Remarks |
|-------------------------|--------------|---------------------|----------------|--------------------|-------------------------------|
| Output Current I | 24W | 570mA | 600mA | 630mA | Level I, Tested @110V Input |
| Output Current II | 20W | 475mA | 500mA | 525mA | Level II, Tested @110V Input |
| Output Current III | 16W | 380mA | 400mA | 420mA | Level III, Tested @150V Input |
| Output Current IV | 12W | 285mA | 300mA | 315mA | Level IV, Tested @110V Input |

(*Output Current settable by DIP switch)

| Ordering options | |
|-----------------------------|----------------|
| XY= Programmable | Z=Dimming |
| FC=Near Field Communication | D=DALI Dimming |
| | B=BLE Dimming |

■ Technical Data

| | |
|---------------------------|--|
| Output voltage | 24-42V |
| Input voltage range | 120-277Vac 0-10 Dimming; 108-132Vac Triac/ELV Dimming |
| Frequency | 47-63Hz |
| Max input current | 0.28A @ full load and 110 V input, 0.14A @ full load and 220V input |
| Inrush Current | 10A |
| Leakage Current | 0.50mA |
| Efficiency | 83% |
| Current Ripple | ± 30% |
| Dimming | 0-10 Dimming; Triac/ELV |
| Set-up Delay Time | 0.7s |
| Line Regulation | ± 5% |
| Load Regulation | ± 8% |
| Protection OVP | Hiccup mode. The power supply shall return to normal operation only after the power is turned on again |
| Protection SCP | No damage shall occur when any output operation in a short circuit condition. The power supply shall self-recover when the fault condition is removed. |
| Protection OTP | 110 °C |
| Dimension | 94x40x25 mm (3.70x1.57x0.98 inch) |
| Mounting Length | TBA |
| Overall Length | TBA |
| Weight | TBA |
| Packing | TBA |
| Lifetime | 50,000 hours |
| MTBF | 500,000 hours |
| Operating Temp., Humidity | -25°C+70°C; 10%-100% RH non-condensing |
| Storage Temp., Humidity | -40°C-85°C; 5%-100% RH |

■ Safety and EMC Compliance

| | |
|-----|---|
| EMI | EN55015 Class B |
| EMS | EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, EN61547 |

Disclaimer:

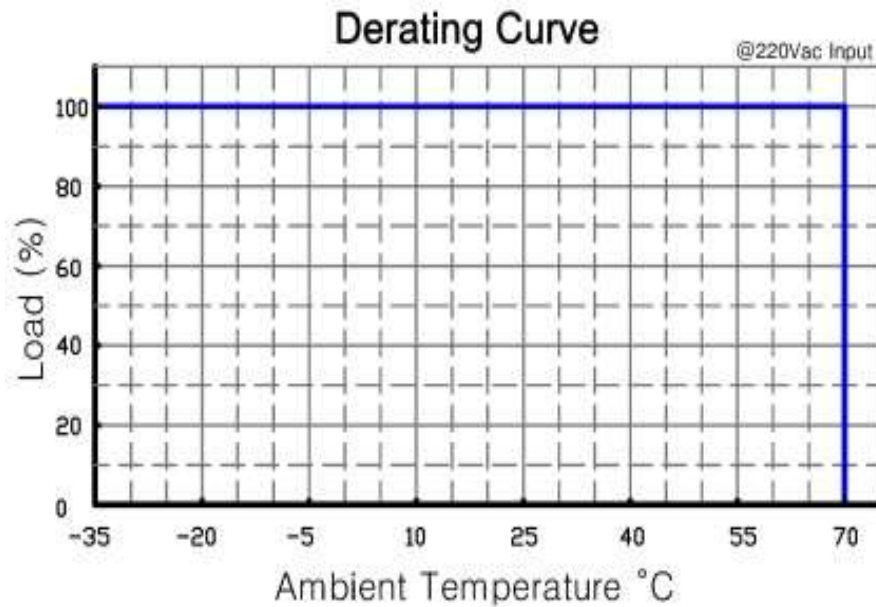
Autec Power Systems' (Autec) LED Drivers are Hi-Pot tested during the manufacturing process. Autec assumes no responsibility for secondary Hi-Pot testing at customer location or designated production line(s). Should customer require further Hi-Pot testing, at their own production line, following assembly of the LED Driver into the customer's assembled fixture, Autec requests advance notice. This request must be communicated to Autec in a timely manner and is recommended to be requested at time of issuing each purchase order.

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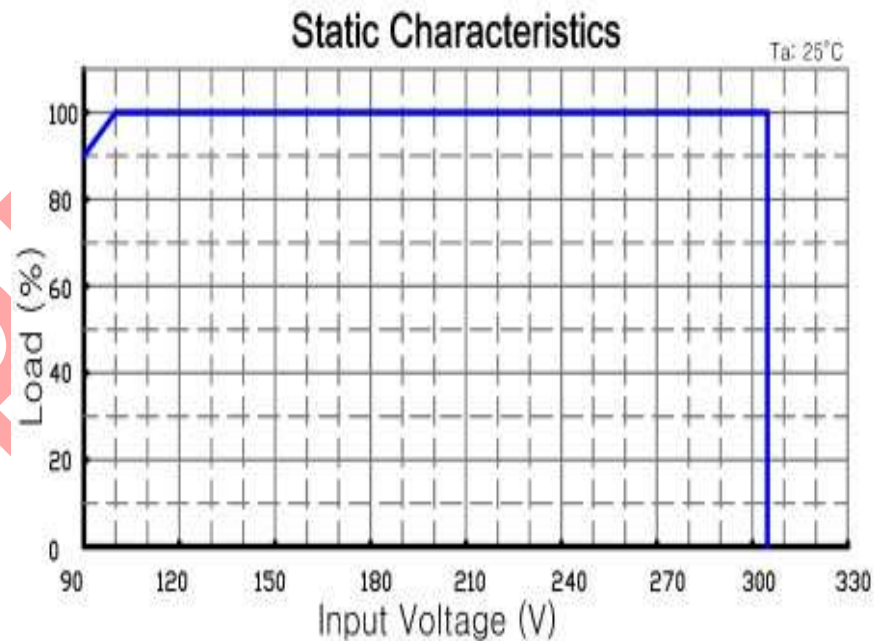
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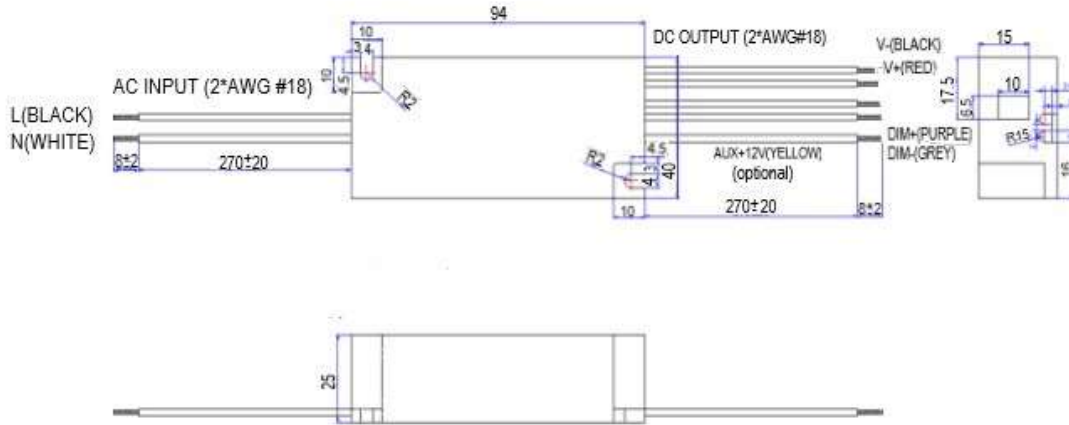
■ Derating Curve



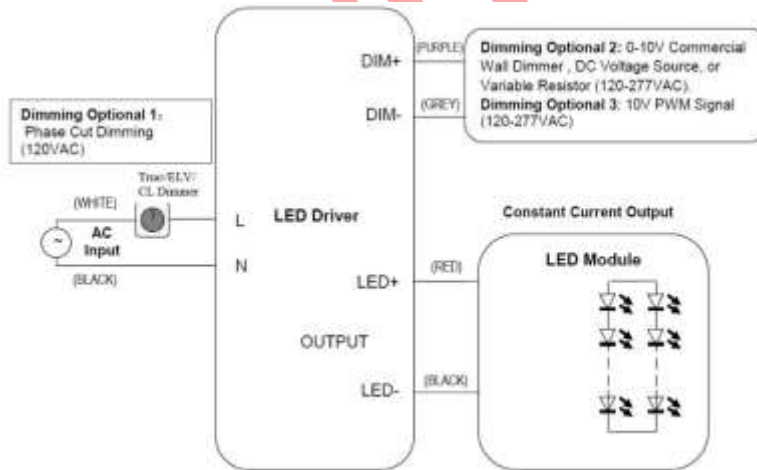
■ Static Characteristics



■ Mechanical Diagram



■ Dimming



Mode 1 : Triac/ELV dimmer on Dimming Control

| Parameter | Min. | Typ. | Max. | Conditions |
|------------------|-------|------|--------|------------|
| Dimming Range | 10%lo | - | 100%lo | 110 Vac |
| Conduction Angle | 30° | - | 180° | 110 Vac |

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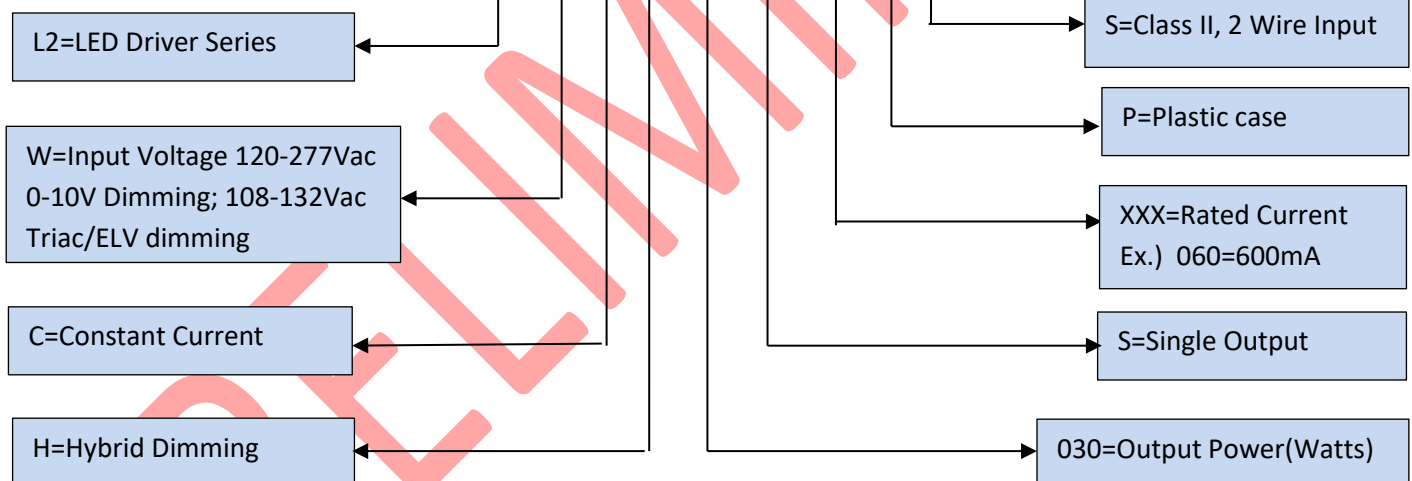
■ **Output Selection**



| Switch Location | 300 mA | 400 mA | 500 mA | 600 mA |
|-----------------|--------|--------|--------|--------|
| 1 | ON | ON | OFF | OFF |
| 2 | ON | OFF | ON | OFF |

Part Number Scheme

L 2 W C H 030 S XXX P S



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*Specifications are subject to change without notice. Autech is not responsible for issues arising from errors or omissions.

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