



PREMIUM RANGE SLIM CONSTANT VOLTAGE LED DRIVER

913-030 CYFELCO DRS 100W12V IP20

PRODUCT DATASHEET

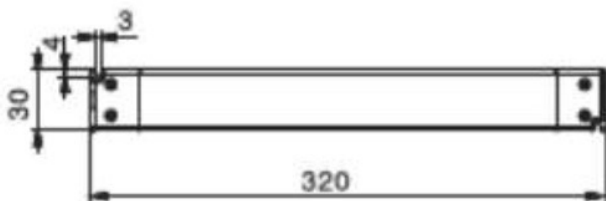
12V Slim Constant Voltage LED Driver suitable for led strip lighting

Areas of application

- Direct LED strips
- LED indoor lighting
- LED decorative lighting
- LED building lighting

Product Features

- Independent Power Supply
- Flicker-free Design
- Terminal block for Quick Connection
- Protections: Over Voltage, Overload, Short Circuit
- Class II Protection Design
- 5 Years Warranty



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LIGHT
RIGHT

TECHNICAL DATA

Input Parameters

| | |
|---------------------------|---------------------|
| Input Voltage | 220-240V AC |
| Line Frequency | 50/60 Hz |
| Power Factor | >0.90 |
| Input Current | 0.6A Max@Full Load |
| Inrush Current | 0.65A Max@Full Load |
| Leakage Current | <0.25mA/240VAC |
| Total Harmonic Distortion | <20% |
| Efficiency | 92% |

Protection

| | |
|--------------------------|-----------------------|
| Overload Protection | Auto Restore/Hiccup |
| Overvoltage Protection | Auto Restore/Shutdown |
| Short Circuit Protection | Auto Restore |
| Ingress Protection Code | IP20 |
| Protection Class | II |

Logistics

| | |
|------------------------|-----------------------|
| Dimensions (H x L x W) | 320x30x19 mm |
| Net Weight per piece | 150 g |
| Packing | 50 pcs per carton box |
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| | |

Directives

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|-------------|--|
| 2014/30/EU | Electromagnetic Compatibility Directive |
| 2014/35/EU | Low Voltage Directive |
| 2011/65/EU | Restriction of Hazardous Substances Directive (RoHS) |
| 2009/125/EU | Ecodesign Requirements for energy-related products |

Standards

| | |
|-----------------------------------|---|
| EN 61347-1:2015+A1:2021 | Lamp controlgear - Part 1: General and safety requirements |
| EN 61347-2-13:2014+A1:2017 | Particular requirements for d.c. or a.c. supplied electronic control gear for LED modules |
| EN IEC 55015:2019+A11:2020 | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment |
| EN 61547:2009 | Equipment for general lighting purposes - EMC immunity requirements |
| EN IEC 61000-3-2:2019+A1:2021 | Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) |
| EN 61000-3-3:2013+A1:2019+A2:2021 | Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection |
| | |
| | |

Output Parameters

| | |
|----------------------------|-------------------|
| DC Voltage | 12V |
| Rated Current (Max) | 8.33A |
| Rated Power (Max) | 100W |
| Voltage Tolerance | $\pm 5\%$ |
| Ripple and Noise | 400mVp-p |
| Line Regulation | $\pm 3\%$ |
| Load Regulation | $\pm 5\%$ |
| Flickering metric (Pst LM) | <1 (Flicker-Free) |

Environmental

| | |
|--------------------------|---------------|
| Operating Temperature Ta | -20 to +45 °C |
| Storage Temperature | -40 to +85 °C |
| Max Case Temperature Tc | +85 °C |
| Humidity | 20-95% RH |
| Service Lifetime | >30,000 Hours |

Other

| | |
|----------|---------------|
| MTBF | 200,000 Hours |
| Warranty | 5 Years |
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