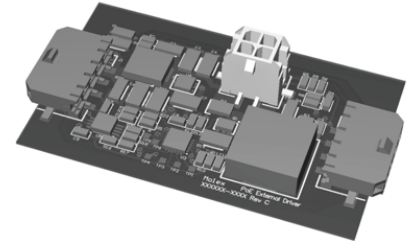


The Transcend LED Driver is a low Voltage Class 2, compact LED Driver intended to drive LED engines for a large variety of lighting fixtures. The driver is powered and controlled through the Transcend PoE Gateway.



Input

- UPOE voltage range of 42-57V
- Connects to the PoE Gateway for data and power
- Micro-Fit 3.0™ 4-circuit connector

Output

- Constant current output with a maximum load of:
25W (Transcend LED Driver 20)
40W (Transcend LED Driver 40)
- Settable current output range. Drivers are currently optimized at specific currents. Future updates will allow for the changing of output current through the software
- Load voltage range of 12V to 40V
- Performs both analog and PWM dimming

Model	Description	Input Interface	Input Voltage (V)	Max Output Power (W)	Output Current (mA)	LED Output	Daisy-chain	Protection
Transcend LED Driver 20	Low Voltage DC/DC LED Driver	Micro-Fit 3.0 4-circuit connector	42 - 58V	25W	Programmable (200 - 800)	Poke-in	Yes Micro-Fit 3.0 4-circuit connector	Smart Thermal Management
Transcend LED Driver 40				42W			No	
Transcend Dual LED Driver 40	Low Voltage DC/DC Dual Channel LED Driver			42W each channel 42 Max Total			No	

Specifications

PROTECTIONS AND FEATURES

- Soft startup
- On board thermistor for thermal protection
- Accepts off board thermistors for ambient or LED temperature measurements for thermal fold back
- Input and output connector allows for daisy chaining of multiple fixtures
- Each device is individually addressable with up to 8 devices per gateway (As long as total gateway power is not exceeded)
- Transcend Dual LED Driver 40 is optimized to drive color tunable fixtures

OPERATING CONDITIONS

Ambient temperature range: 0°C to 60°C

DIMENSIONS

Transcend LED Driver 20: 2.43" x 1.42" x 0.48"
 Transcend LED Driver 40: 3.43" x 1.42" x 0.48"
 Transcend Dual LED Driver 40: 3.43" x 1.42" x 0.48"

Each driver is embedded within the fixture or mounted on it. The driver is powered and physically connected from the PoE Gateway with a rugged and reliable Transcend Harness cable via Micro-Fit 3.0 4-circuit connector. If total power requirement for a group of devices is below 50W, one single gateway can power and control multiple drivers in a daisy-chain configuration. Each LED driver has a Micro-Fit 3.0 4-circuit connector input and Micro-Fit 3.0 4-circuit connector output for daisy-chain configuration.