



Lightech™ LED Driver

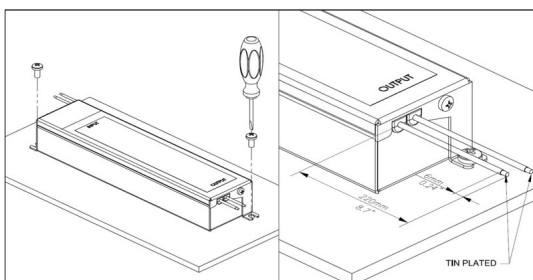
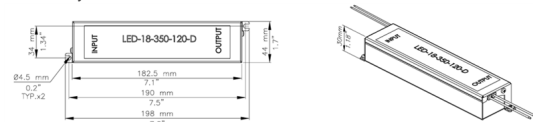
901026500-160PU

LED 26W 500mA Dimmable - Phase Control

LED 26W DC 500mA - LED Driver, Constant Current, Phase Control Dimming, Aluminum Housing, Potted, with Leads

Current: DC

Availability: B



Specs

Power:	26.0 W
Life:	50000.0 hrs

Input specs

Inrush current limiter:	true
Power factor:	0.9
Input current:	0.2-0.2 A
Input frequency:	60 Hz
Input voltage:	108.0-132.0 V
Efficiency:	80 %
THD:	20.0 %

Output specs

Output current:	500.0 mA
Output voltage range:	5.6-42.0 V
Output current tolerance:	5.0 %
Ripple - max. at 100/120Hz:	2.0 %

Dimmable

Dimmable:	true
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Protections

Over temperature protection:	true
Reinforced insulation:	true
Input voltage surge protection:	true
Secondary protection:	true

Environment

Ta min:	-25.0 °C
Ta max:	50.0 °C
Tc:	65.0 °C
IP67 certification:	For Dry and Damp Location Use Only
Storage temp.:	-25...50 °C

Standards

UL:	E322460
FCC Class:	Class B
Class 2:	true

Mechanical

Potted:	true
Input wire size AWG:	18.0 AWG
Case color:	black
Output wire size:	18.0 AWG
Output wire color:	blue/red
Casing width:	44.0 mm
Casing length:	182.5 mm
Case material:	Aluminum
Input wires color:	black/white
Casing height:	30.0 mm
Input wire length:	250 mm
Output wire length:	250 mm

Marketing

Applications:	<ol style="list-style-type: none"> 1. Conference rooms 2. Hospitality lighting 3. Architectural lighting 4. Museums 5. Theater lighting
Features:	<ol style="list-style-type: none"> 1. Dimming to 0.1% 2. UL recognized 3. UL class 2 isolation 4. PF >0.95 5. Fully protected: Short circuit, Input high voltage, Inherent thermal protection, Over voltage protection, Self-resetting 6. Compatible with Leading-edge, Trailing-edge and Universal dimmers 7. 2-wire control 8. 120 Hz ripple < 2% 9. FCC consumer EMI 10. Sound Level A

Sales

Availability:	B
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Notes:

- Specifications may vary without notice
- Always consult National, State and local electrical codes
- IP67 products should never be immersed or exposed to direct rainfall
- ~~Phase dimmer complies with Part 15 of FCC Rules. Operation is subject to the condition that (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.~~
- Expect slight variation including component tolerance, setup tolerance, line regulation and load regulation
- ~~UL Recognized Class 2 always secure~~
- Where grounding/earthing is not indicated, avoid grounding/earthing or contact with grounded/earthed metal enclosures

- Performance with dimmers, where supported, may vary depending on dimmer model
- Subject to limited warranty (3yr for transformers, 5yr for drivers) terms and conditions as published from time to time



LED-18-350-120-D

LED-26-500-120-D

LED-36-700-120-D

LED-36-1050-120-D

**Dimmable Constant Current LED Drivers
for 350mA, 500mA, 700mA, and 1050mA LEDs**

Recommended Dimmers

While these products will function with essentially any dimmer sold in the USA, certain aspects of the performance will vary with the dimmer. The parameters which vary are:

- 1) The minimum dim level for turn on of a single driver (Remember that 5 fixtures on a circuit will start at 5X lower dim level than one fixture alone)
- 2) The minimum dimming level
- 3) The smoothness of the dimming that results.

Below follows a list of dimmers that are known to perform well according to these criteria. The prices are not quoted since that can vary according to the purchasing channel and quantity used, but be aware that it varies over a wide range. As more dimmers are tested, they will be added to this list. A dimmer not present on this list may be either untested or perform to lesser standards. Lightech does not manufacture or have any control over the manufacture of the dimmers mention in this list. The manufacturer may make changes to their product which may or may not impact the performance with the Lightech dimmable LED drivers. This information is provided is for reference use and Lightech does not guarantee the performance in the field will be identical to what is outlined on this page.

Hunt Controls

For 18W: item 54500 . PS-600-IV Mark 10 120V LT18

For 26W and 36W: Item 56500. PS-600-IV Mark 10 120V LT 26/36

These two wire analog TRIAC dimmers will turn on and off at 0.25%, and dim smoothly over the full range.

Lutron

Grafik Eye GRX-2403-T-IV This is a 3 channel model that is good for color mixing. It will turn on and off at 1% and has graceful fading features along with memory capability for 4 scenes. It is 3 wire digital TRIAC dimmer which increments in small steps.

NLV-600 a TRIAC dimmer with a low end trim.

Lightolier

ZP260QE a 3 wire reverse phase control analog dimmer with an adjustable low end trim. Will turn on and off at 0.1% dimming. Dims smoothly over the full range.

Leviton

IPE04-1LW a 3 wire reverse phase control analog dimmer with an adjustable low end trim. Will turn on and off at 0.1% dimming. Dims smoothly over the full range.

6681-IW a 2 wire analog TRIAC dimmer switches on at 12% and dims down to 0.1%.