



L.T.F

Dimmable Low Voltage LED Driver

**Custom AC-DC Constant Current (180-1000mA)
DL & LDL Series 12V-24V Input Voltage**



Efficiency	higher than 80%
Power Factor	>95%
Case TC*	90°C Max.
Protection	Input / Output
Storage	-30°C / +90°C
Humidity	95% RH Max.
IP Rating	IP 65
Class	Class 2 power supply
Dimming	Dimmable



RoHS



FEATURES

- Externely small Low Voltage LED driver
- High performance fully dimmable
- Excelent choice to integrate in Low Voltage LED fixtures
- Isolated output power per NEC and UL safety requirements
- ETL recognized/ Listed*, meets UL 8750, 1310 requirements
- Auto-reset ; Short circuit, Overload and Thermal protection
- Rated for 12-24V magnetic and electronic transformers
- Dimmable with ELV , and Magnetic LV type dimmers
- Aluminum casing for optimal heat dissipation
- Low profile, small form factor, junction box mountable
- Flicker free dimming
- Class 2 power supply
- Efficient, High power factor

ELECTRICAL SPECIFICATIONS

10W 12V Input					
Input Voltage	Input Current	Output Voltage	Output Current	Power Factor	Max. TC
12V AC / DC 0-35KHz	0.83 A	18-55V DC	180 mA	0.80	90°C
12V AC / DC 0-35KHz	0.83 A	18-50V DC	200 mA	0.80	90°C
12V AC / DC 0-35KHz	0.83 A	18-31V DC	320 mA	0.80	90°C
12V AC / DC 0-35KHz	0.83 A	18-28V DC	350 mA	0.80	90°C
12V AC / DC 0-35KHz	0.83 A	10-20V DC	480 mA	0.80	90°C
12V AC / DC 0-35KHz	0.83 A	10-19V DC	520 mA	0.80	90°C
12V AC / DC 0-35KHz	0.83 A	10-17V DC	580 mA	0.80	90°C
12V AC / DC 0-35KHz	0.83 A	10-16V DC	600 mA	0.80	90°C
12V AC / DC 0-35KHz	0.83 A	10-15V DC	680 mA	0.80	90°C
12V AC / DC 0-35KHz	0.83 A	10-14V DC	700 mA	0.80	90°C
12V AC / DC 0-35KHz	0.83 A	05-13V DC	780 mA	0.80	90°C
12V AC / DC 0-35KHz	0.83 A	05-11V DC	850 mA	0.80	90°C
12V AC / DC 0-35KHz	0.83 A	05-10V DC	1000 mA	0.80	90°C

* Under confirmed thermal condition **Pending

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10W 24V Input					
Input Voltage	Input Current	Output Voltage	Output Current	Power Factor	Max. TC
24V AC / DC 0-35KHz	0.42 A	18-55V DC	180 mA	0.80	90C°
24V AC / DC 0-35KHz	0.42 A	18-50V DC	200 mA	0.80	90C°
24V AC / DC 0-35KHz	0.42 A	18-31V DC	320 mA	0.80	90C°
24V AC / DC 0-35KHz	0.42 A	18-28V DC	350 mA	0.80	90C°
24V AC / DC 0-35KHz	0.42 A	10-20V DC	480 mA	0.80	90C°
24V AC / DC 0-35KHz	0.42 A	10-19V DC	520 mA	0.80	90C°
24V AC / DC 0-35KHz	0.42 A	10-17V DC	580 mA	0.80	90C°
24V AC / DC 0-35KHz	0.42 A	10-16V DC	600 mA	0.80	90C°
24V AC / DC 0-35KHz	0.42 A	10-15V DC	680 mA	0.80	90C°
24V AC / DC 0-35KHz	0.42 A	10-14V DC	700 mA	0.80	90C°
24V AC / DC 0-35KHz	0.42 A	05-13V DC	780 mA	0.80	90C°
24V AC / DC 0-35KHz	0.42 A	05-11V DC	850 mA	0.80	90C°
24V AC / DC 0-35KHz	0.42 A	05-10V DC	1000 mA	0.80	90C°

15W 12V Input					
Input Voltage	Input Current	Output Voltage	Output Current	Power Factor	Max. TC
12V AC / DC 0-35KHz	1.25 A	18-50V DC	300 mA	0.80	90C°
12V AC / DC 0-35KHz	1.25 A	18-47V DC	320 mA	0.80	90C°
12V AC / DC 0-35KHz	1.25 A	18-43V DC	350 mA	0.80	90C°
12V AC / DC 0-35KHz	1.25 A	10-31V DC	480 mA	0.80	90C°
12V AC / DC 0-35KHz	1.25 A	10-29V DC	520 mA	0.80	90C°
12V AC / DC 0-35KHz	1.25 A	10-26V DC	580 mA	0.80	90C°
12V AC / DC 0-35KHz	1.25 A	10-25V DC	600 mA	0.80	90C°
12V AC / DC 0-35KHz	1.25 A	10-22V DC	680 mA	0.80	90C°
12V AC / DC 0-35KHz	1.25 A	10-21V DC	700 mA	0.80	90C°
12V AC / DC 0-35KHz	1.25 A	05-19V DC	780 mA	0.80	90C°
12V AC / DC 0-35KHz	1.25 A	05-17V DC	850 mA	0.80	90C°
12V AC / DC 0-35KHz	1.25 A	05-15V DC	1000 mA	0.80	90C°



15W 24V Input					
Input Voltage	Input Current	Output Voltage	Output Current	Power Factor	Max. TC
24V AC / DC 0-35KHz	0.63 A	18-50V DC	300 mA	0.80	90C°
24V AC / DC 0-35KHz	0.63 A	18-47V DC	320 mA	0.80	90C°
24V AC / DC 0-35KHz	0.63 A	18-43V DC	350 mA	0.80	90C°
24V AC / DC 0-35KHz	0.63 A	10-31V DC	480 mA	0.80	90C°
24V AC / DC 0-35KHz	0.63 A	10-29V DC	520 mA	0.80	90C°
24V AC / DC 0-35KHz	0.63 A	10-26V DC	580 mA	0.80	90C°
24V AC / DC 0-35KHz	0.63 A	10-25V DC	600 mA	0.80	90C°
24V AC / DC 0-35KHz	0.63 A	10-22V DC	680 mA	0.80	90C°
24V AC / DC 0-35KHz	0.63 A	10-21V DC	700 mA	0.80	90C°
24V AC / DC 0-35KHz	0.63 A	05-19V DC	780 mA	0.80	90C°
24V AC / DC 0-35KHz	0.63 A	05-17V DC	850 mA	0.80	90C°
24V AC / DC 0-35KHz	0.63 A	05-15V DC	1000 mA	0.80	90C°

20W 12V Input					
Input Voltage	Input Current	Output Voltage	Output Current	Power Factor	Max. TC
12V AC / DC 0-35KHz	1.67 A	20-57V DC	350 mA	0.80	90C°
12V AC / DC 0-35KHz	1.67 A	20-42V DC	480 mA	0.80	90C°
12V AC / DC 0-35KHz	1.67 A	20-39V DC	520 mA	0.80	90C°
12V AC / DC 0-35KHz	1.67 A	20-35V DC	580 mA	0.80	90C°
12V AC / DC 0-35KHz	1.67 A	20-34V DC	600 mA	0.80	90C°
12V AC / DC 0-35KHz	1.67 A	20-30V DC	680 mA	0.80	90C°
12V AC / DC 0-35KHz	1.67 A	20-29V DC	700 mA	0.80	90C°
12V AC / DC 0-35KHz	1.67 A	10-25V DC	780 mA	0.80	90C°
12V AC / DC 0-35KHz	1.67 A	10-24V DC	850 mA	0.80	90C°
12V AC / DC 0-35KHz	1.67 A	10-20V DC	1000 mA	0.80	90C°



20W 24V Input					
Input Voltage	Input Current	Output Voltage	Output Current	Power Factor	Max. TC
24V AC / DC 0-35KHz	0.84 A	20-57V DC	350 mA	0.80	90C°
24V AC / DC 0-35KHz	0.84 A	20-42V DC	480 mA	0.80	90C°
24V AC / DC 0-35KHz	0.84 A	20-39V DC	520 mA	0.80	90C°
24V AC / DC 0-35KHz	0.84 A	20-35V DC	580 mA	0.80	90C°
24V AC / DC 0-35KHz	0.84 A	20-34V DC	600 mA	0.80	90C°
24V AC / DC 0-35KHz	0.84 A	20-30V DC	680 mA	0.80	90C°
24V AC / DC 0-35KHz	0.84 A	20-29V DC	700 mA	0.80	90C°
24V AC / DC 0-35KHz	0.84 A	10-25V DC	780 mA	0.80	90C°
24V AC / DC 0-35KHz	0.84 A	10-24V DC	850 mA	0.80	90C°
24V AC / DC 0-35KHz	0.84 A	10-20V DC	1000 mA	0.80	90C°

SAMPLE CUSTOM FORM FACTORS

