

Features:

- Constant Current LED Driver
- Single Output
- Dimming Control
- Wide Input: 5 – 36 VDC
- Remote Control
- High Efficiency
- Standard 24-Pin DIP Package
- RoHS Compliant



Input

Input Voltage	5 to 36 VDC (24 VDC Typ., 40 VDC Max.)
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Output

Output Voltage Range	2 - 32VDC
Output Current Range	See Chart
Switching Frequency	260 KHz
Capacitive Load	100 uF Max.
Ripple & Noise (P-P)	120 mV, P-P @ 24V input at 25°C

Environmental

Operating Temperature	-40°C to 85°C
Maximum Case Temperature	100°C, Full Load at 25°C
Storage Temperature	-40°C to 85°C
Relative Humidity	0% to 95% Non-Condensing

Electrical

Efficiency	96% Maximum, Full Load at 25°C
Dimming Control	Max PWM Frequency (10% ~ 90%): 200 Hz Analog Voltage (0% ~ 100%, 6.5 mA Max.): 0 - 5V
Remote ON/OFF (Leave open if not used)	DC OFF (Shutdown, 1 mA Max.): 0.6 - 5V DC ON: Open or 0V - 0.6V

Safety

EMI Requirements	Meets Conduction Limits of: (A) UL1310 Class 2 (B) FCC Part 15 Class B (C) EN61347 & IEC61347
Safety Standards	Meets or Exceeds: (A) UR Listed (B) TUV/Bauart (C) FCC



DCLP LED Driver Power Supply

DC-DC, 7 - 28 Watts Constant Current
Input Voltage: 5 – 36 VDC

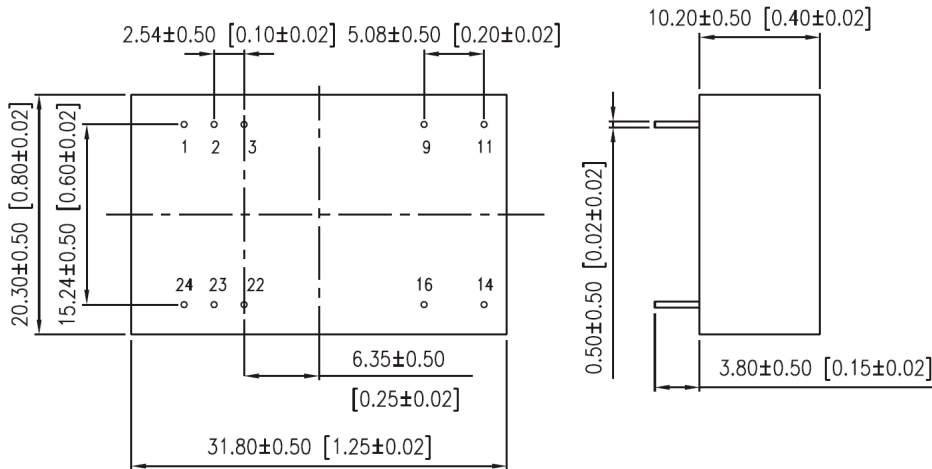
Date: 12/5/11

Rev: 120511

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Single Output Voltage and Current Chart

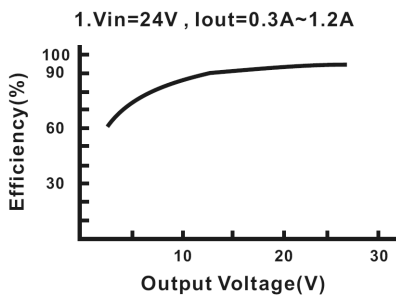
Model Number**	Output Current	Output Voltage (Subject to amount of LEDs)	Efficiency
DCLP07R	0.30 A	2V - 32V	96%
DCLP08R	0.35 A	2V - 32V	96%
DCLP12R	0.50 A	2V - 32V	96%
DCLP14R	0.60 A	2V - 32V	96%
DCLP16R	0.70 A	2V - 32V	96%
DCLP19R	0.80 A	2V - 32V	96%
DCLP21R	0.90 A	2V - 32V	96%
DCLP24R	1.00 A	2V - 32V	96%
DCLP26R	1.10 A	2V - 32V	96%
DCLP28R	1.20 A	2V - 32V	96%



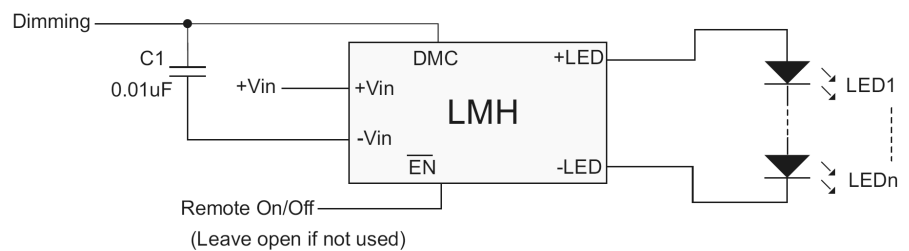
Pin Connection

Pin	Connection
1	Remote
2	-Vin
3	-Vin
9	NC
11	NC
14	+LED
16	-LED
22	+Vin
23	+Vin
24	DMC

Efficiency Curve :



Application Circuits :



Note: At nominal input, Full load and cooling is natural convection.



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