

LDD & LDB series

DC-DC Constant Current LED Driver Modules



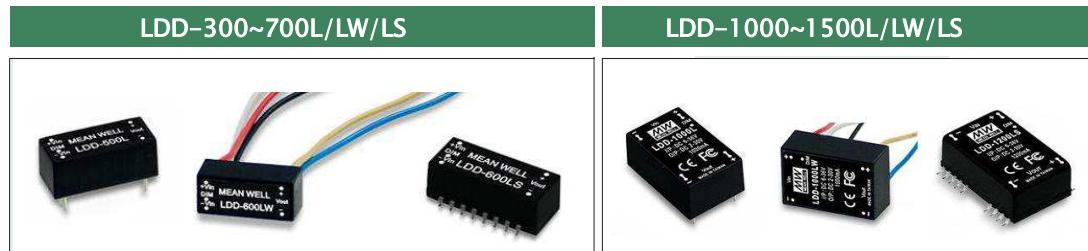
LDD-L Features:

New! Step-Up drivers and DALI control available!

- Constant current step-down LED driver
- Wide input and output voltage range
- High efficiency up to 95%
- Complies with EN55015 and FCC part 15 without additional input filtering or capacitors
- 300~700mA: PWM dimming and remote ON/OFF control
- 1000~1500mA: PWM + analog dimming and remote ON/OFF control
- Protection: Short circuit / Over temperature (300~700mA only)

- Compact size
- Operating temperature range:
300 ~ 700mA: -40 °C ~ +85 °C
1000 ~ 1500mA: -40 °C ~ +71 °C
- Cooling by free air convection
- Fully enclosed plastic case (UL 94V-0)
- Low cost, high reliability
- 3 year warranty

Please refer to www.procontechnology.com.au for detailed specs.



Output current accuracy		±5% at 24VDC input
PWM dimming & ON/OFF control	Remote ON/OFF	Leave open when not needed <ul style="list-style-type: none"> Power ON with dimming: DIM ~ -Vin > 3.5~8VDC or open circuit Power OFF: DIM ~ -Vin < 0.5VDC or short
	PWM frequency	100~1KHz
Analogue dimming & ON/OFF control	Remote ON/OFF	Leave open when not needed <ul style="list-style-type: none"> Power ON with dimming: DIM ~ -Vin > 0.5~2.5VDC or open circuit Power OFF: DIM ~ -Vin < 0.4VDC or short
Short circuit protection		Regulated at rated output current, may be continuous, auto-recovery
Over temp. protection		Shut-down, recovers automatically after temperature goes down
Working temperature		-40°C ~ +85°C (refer to output derating curve)
EMC standards		EN55015, EN61547, EN61000-4-2,3,4,6,8, FCC part 15 class B
Operating case temp. (max)		100°C
Dimension (LxWxH)		LDD-300~700L/LW: 22.6x9.9x8.9mm LDD-300~700LS: 25.4x10.5x9.3mm
		LDD-1000~1500L/LW: 31.8x20.3x12.2mm LDD-1000~1500LS: 31.8x20.3x10.9mm

LDD-L Series



Model No.	Input (VDC)	Output		I/O Tol.	Eff.	Dimming
		Voltage (VDC)	Current (mA)			
LDD-300L□	9~36 (LDD-300~700LS: 9~32)	2~32 (LDD-300~700LS: 2~28)	300	±5%	95%	PWM
LDD-350L□			350			
LDD-500L□			500			
LDD-600L□			600			
LDD-700L□			700			
LDD-1000L□			1000			
LDD-1200L□			1200			
LDD-1500L□			1500			
□ = Blank, W: pin style (PCB thru-hole type), S: SMD style						

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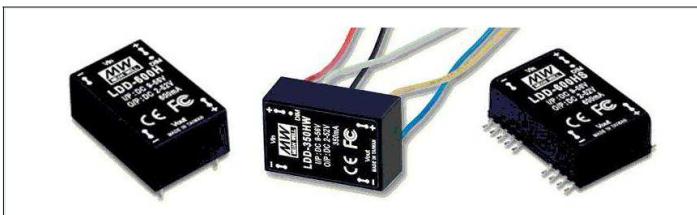
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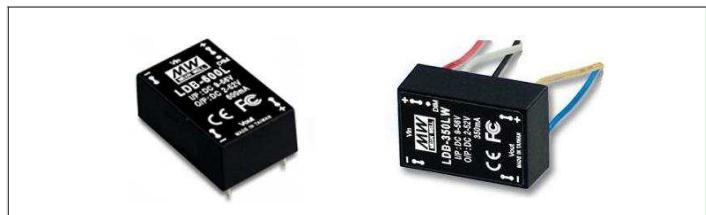
LDD-H/HW/HS

- Constant current step-down
- LED driver
- Wide input and output voltage range
- High efficiency up to 97%
- Complies with EN55015 and FCC part 15 without additional input filtering or capacitors
- PWM dimming and remote ON/OFF control
- Protection: Short circuit / Over temp.
- Compact size
- Operating temperature range: -40°C ~ +85°C
- Cooling by free air convection
- Fully enclosed plastic case (UL 94V-0)
- 3 year warranty



LDB-L/LW

- Constant current buck-boost
- LED driver
- Wide input and output voltage range
- High efficiency up to 90%
- Complies with EN55015 and FCC part 15 without additional input filtering or capacitors
- PWM dimming and remote ON/OFF control
- Protection: Short circuit / Over temp.
- Operating temperature range: -40°C ~ +71°C
- Cooling by free air convection
- Fully enclosed plastic case (UL 94V-0)
- 3 year warranty



Output current accuracy		±3% at 24VDC input; ±4% at 48VDC input for LDD-H/HW; ±5% at 48VDC input for LDD-HS	
PWM dimming & ON/OFF control	Remote ON/OFF	Leave open when not needed	
		<ul style="list-style-type: none"> Power ON with dimming: DIM ~ -Vin > 2.5~6VDC or open circuit Power OFF: DIM ~ -Vin < 0.8VDC or short 	
PWM frequency		100~1KHz	
Short circuit		Regulated at rated output current, can be continuous, auto-recovery	
Over temperature protection		Shut down, recovers automatically after temperature goes down	
Working temperature		-40°C ~ +85°C	
EMC standards		EN55015, EN61547, EN61000-4-2,3,4,6,8, FCC part 15 class B	
Operating case temp. (max)		100°C	
Dimension (LxWxH)		LDD-H/HW: 31.8x20.3x12.2mm LDD-HS: 31.8x20.3x10.9mm	

LDD-H Series

Model No.	Input (VDC)	Output			
		Voltage (VDC)	Current (mA)	I/O Tol.	Eff.
LDD-300H□	9~56	2~52	300	±4%	97%
LDD-350H□	9~56	2~52	350	±4%	97%
LDD-500H□	9~56	2~52	500	±4%	97%
LDD-600H□	9~56	2~52	600	±4%	97%
LDD-700H□	9~56	2~52	700	±4%	97%
LDD-1000H□	9~56	2~52	1000	±4%	97%

□ = Blank, W, S; Blank: pin style, W: wire style, S: SMD style



LDB-L Series

Model No.	Input (VDC)	Output			
		Voltage (VDC)	Current (mA)	I/O Tol.	Eff.
LDB-300L□	9~36	2~40	300	±5%	90%
LDB-350L□	9~36	2~40	350	±5%	90%
LDB-500L□	9~30	2~32	500	±5%	90%
LDB-600L□	9~28	2~30	600	±5%	90%

□ = Blank, W; Blank: pin style, W: wire style