

POWER SUPPLY

CL-MDR-CV-60W-24V-VRDIM

Constant Voltage Dimmable LED Driver (5 in 1 Dimming)

INPUT	100-277V AC 50/60Hz 0.75A max
OUTPUT	24V DC 2.5A
POWER	60W
POWER FACTOR	>0.95

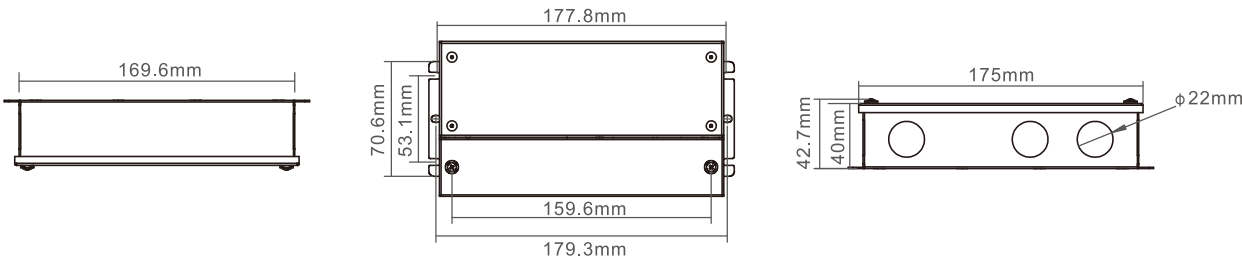


DIMMING

Triac/Phase, 0-10V/1-10V, 10V PWM, Potentiometer
Output Dimming Frequency: **20 kHz**
Designed to minimize audible noise and provide smooth, stable dimming performance.

VR DIMMING: PWM Output & Voltage Reduction Adjustment

Suitable for Dry, Damp and Wet locations.



IMPORTANT: Canolight MDR Series 24V Drivers are specifically approved for the Canolight Magnetic Track System. Use of non-approved drivers may cause audible noise or improper system performance and will void the system warranty.

POWER SUPPLY



CL-MDR-CV-96W-24V-VRDIM

Constant Voltage Dimmable LED Driver (5 in 1 Dimming)

INPUT	100-277V AC 50/60Hz 1.1A max
OUTPUT	24V DC 4A
POWER	96W
POWER FACTOR	>0.95

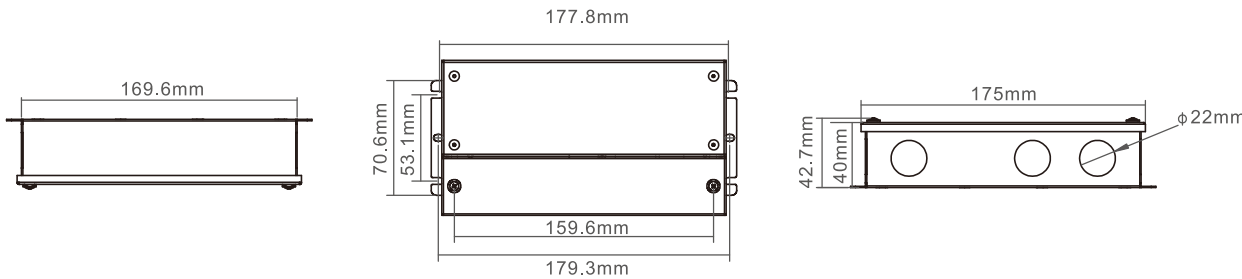


DIMMING

Triac/Phase, 0-10V/1-10V, 10V PWM, Potentiometer
Output Dimming Frequency: **20 kHz**
Designed to minimize audible noise and provide smooth, stable dimming performance.

VR DIMMING: PWM Output & Voltage Reduction Adjustment

Suitable for Dry, Damp and Wet locations.



IMPORTANT: Canolight MDR Series 24V Drivers are specifically approved for the Canolight Magnetic Track System. Use of non-approved drivers may cause audible noise or improper system performance and will void the system warranty.

POWER SUPPLY

CL-MDR-CV-200W-24V-VRDIM

Constant Voltage Dimmable LED Driver (5 in 1 Dimming)

INPUT	100-277V AC 50/60Hz 2A max
OUTPUT	24V DC 8.33A
POWER	200W
POWER FACTOR	>0.95

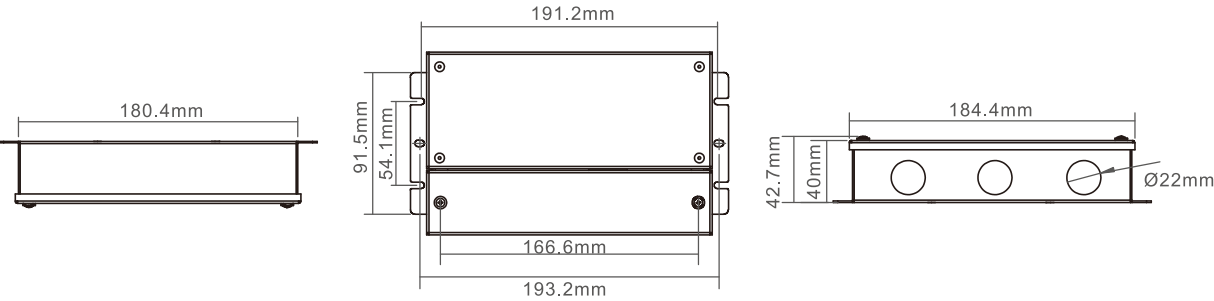


DIMMING

Triac/Phase, 0-10V/1-10V, 10V PWM, Potentiometer
Output Dimming Frequency: **20 kHz**
Designed to minimize audible noise and provide smooth, stable dimming performance.

VR DIMMING: PWM Output & Voltage Reduction Adjustment

Suitable for Dry, Damp and Wet locations.



IMPORTANT: Canolight MDR Series 24V Drivers are specifically approved for the Canolight Magnetic Track System. Use of non-approved drivers may cause audible noise or improper system performance and will void the system warranty.

POWER SUPPLY

Constant Voltage Dimmable LED Driver (5 in 1 Dimming)



IMPORTANT: Canolight MDR Series 24V Drivers are specifically approved for the Canolight Magnetic Track System. Use of non-approved drivers may cause audible noise or improper system performance and will void the system warranty.

MODEL		CL-MDR-CV-60W-24V-VRDIM	CL-MDR-CV-96W-24V-VRDIM	CL-MDR-CV-200W-24V-VRDIM
Certificate		UL / FCC / ICES-005 / SELV / ROHS / REACHUL / FCC / ICES-005 / SELV / ROHS / REACH CLASS 2 / CLASS P		UL / FCC / ICES-005 / SELV / ROHS / REACHUL / FCC / ICES-005 / SELV / ROHS / REACH / CLASS P
OUTPUT	DC Voltage	24V	24V	24V
	Voltage Tolerance	±3%	±2%	±3%
	Voltage Regulation	≤0.5%	≤0.5%	≤0.5%
	Load Regulation	≤1%	≤0.5%	≤1%
	Rated current	2.5A	4A	8.33A
	Rated power	60W	96W	200W
	Voltage Ripple	450mVp-p	296mVp-p	250mVp-p
	Overshoot voltage	<5% (full load)	<3%(full load)	<20% (full load)
	Output volt Adjustment	24-26V	24-26V	24-26V
	Output mode selection	The DIP switch at the “ON” position represents the PWM (Pulse- Width Modulation) mode, and at the "1" position represents the VR (Modulation of DC Voltage) mode. Switching the output mode requires the power to be cut off for 3 seconds and then powered on again for the mode switching to take effect.		
INPUT	Voltage Range	100-277 VAC		
	Frequency Range	50 / 60Hz		
	Power Factor @ full load	>0.95		
	THD(Typ.) @ full load	<15%@120VAC <15%@277VAC		
	Efficiency(Typ.) @ full load	≥83%@120VAC ≥85%@277VAC	≥87%@120VAC ≥91%@277VAC	≥88%@120VAC ≥91%@277VAC
	AC Current (Max.)	0.75A	1.1A	2A
	Standby power	≤0.5W		≤0.5W
	Inrush Current (Typ.)	31.6A,152us@50%Ipeak 120VAC 76.8A,156us@50%Ipeak 277VAC	51A,208us@50%Ipeak 120VAC 118A,452us@50%Ipeak 277VAC	40.8A, 50%, 480us @120VAC 96.7A, 50% 192us @277VAC
	Leakage current	<0.5mA		
	Short Circuit	Hiccup mode, can be automatically restored after abnormal removal.		
Protection	Over Load	105%~110% Constant - Current Mode, automatic recovery after exception.	105~120%Constant - Current Mode, automatic recovery after exception.	105%~110% Constant - Current Mode, automatic recovery after exception.
	Over temperature	When the ambient temperature exceeds 55°C ±5°C, the output is turned off.		
Environment	Working TEMP.	-40°C ~+40°C		
	Working Humidity	20 - 95%RH non-condensing		
	Storage TEM.,Humidity	-40°C - +80°C,10 - 95% RH non-condensing		
	TEMP.coefficient	±0.03%/°C (0 - 50°C)		
	Vibration	10 ~ 500Hz, 5G 12 minutes/cycle, X Y Z axis 72 minutes each		
Safety & EMC	Safety	standards UL8750; CAN/CSA-C22.2 No.250.13		
	Withstand Voltage	I/P-O/P: 1.88KVac	I/P-FG: 1.88KVac	O/P-FG: 0.5KVac
	Isolation Resistance	I/P-O/P:100MΩ / 500VDC / 25°C / 70% RH		