

Constant Voltage
12V Non-dimmable
< 264W



- Constant Voltage [Parallel Circuit]
- SELV Equivalent
- Operating temp range -20.. +50°C
- Overload / Short Circuit Protection
- Overheat protection
- 5 Year Warranty



CODE	OUTPUT CURRENT [A]	MIN-MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
DCV12-20W	0 - 1.7A	0-20W	220-240V~ 50/60Hz	12V	0.80C	L113 x W44 x H28mm	IP20	□
DCV12-40W	0 - 3.3A	0-40W	220-240V~ 50/60Hz	12V	0.95	L166 x W52 x H24mm	IP20	□
DRIPCV12 40W	0 - 3.34A	0-40W	100-240V~ 50/60Hz	12V	0.95	L182 x W58 x H30.5mm	IP67	⊕
DRACV12 50W	0 - 4.2A	0-50W	100-240V~ 50/60Hz	12V	0.95	L184 x W61 x H32mm	IP20	□
DCV12-75W	0 - 6.3A	0-75W	220-240V~ 50/60Hz	12V	0.95	L184 x W61 x H32mm	IP20	□
DCV12-75W-IP	0 - 6.25A	0-75W	100-240V~ 50/60Hz	12V	0.95	L199 x W67 x H35mm	IP67	⊕
DCV12-150W-IP	0 - 12.5A	0-150W	100-240V~ 50/60Hz	12V	0.95	L191 x W70 x H40mm	IP67	⊕
DCV12-200W-IP	0 - 16.67A	0-200W	100-240V~ 50/60Hz	12V	0.95	L249 x W72 x H40mm	IP67	⊕

IMPORTANT

When choosing a Constant Voltage LED driver you must observe the total load requirements of your light source/s to ensure you are using the correct driver. A common sign that your circuit is below the minimum load of the driver is slow or delayed response to input, poor dimming and/or instability or flickering. A common sign that your circuit exceeds the maximum output of your chosen driver is flashing / strobing lighting. Overload will trigger the self-protection/reset function of the driver causing the circuit to flash on and off repeatedly.

For Constant Voltage Parallel circuits, as a rule of thumb Halcyon recommends using a driver approximately double the circuit load. This is due to the inrush current of the connected circuit which can momentarily exceed the maximum amperage of the driver, triggering the self-protection/reset function. Example, for 50W 24V DC load with multiple connections use 100W+ Driver. However, for Halcyon CV LED Tape, due to the resistors on the PCB. Only approx. 20% headroom is required e.g. 80W load use 100W+ driver. If in doubt, choose a larger driver.

WIRING DIAGRAMS

