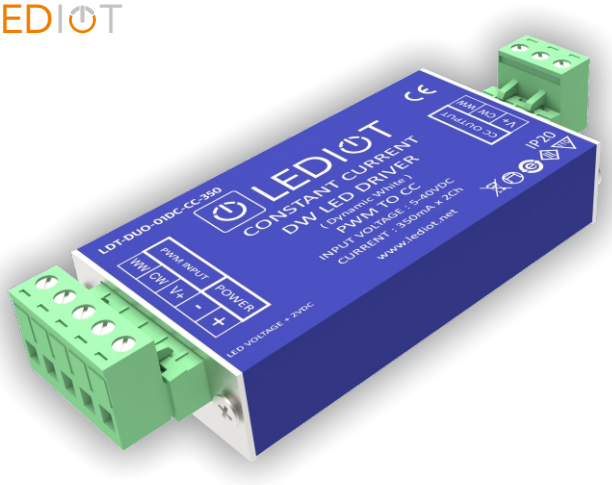
# DC-DC Dual Channel Constant Current LED Driver ( 350mA - 1050mA )

LDT-DUO-01DC-CC



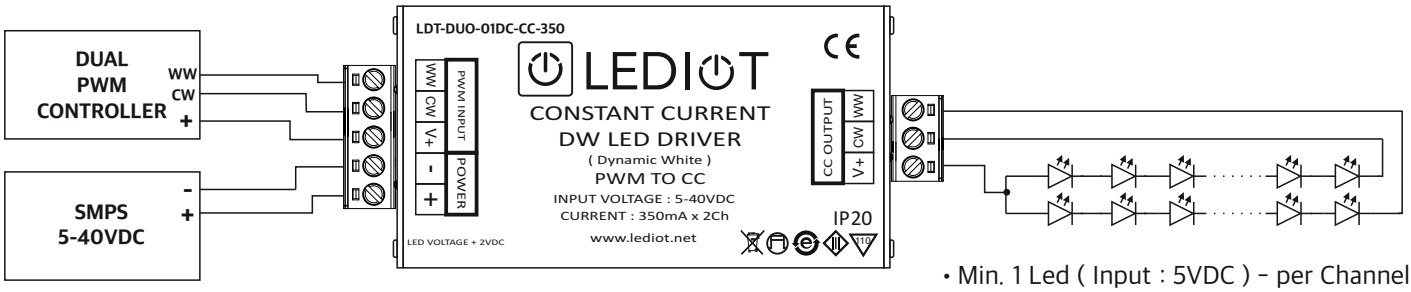

## Features

- Constant current output : 350mA to 1050mA x 2ch
- Wide input voltage : 5V to 40V supply voltage
- High efficiency up to 95%
- Built-in PWM dimming and remote ON/OFF control
- PWM input is isolated Optocoupler protected
- Protections : Short circuit / Over temperature
- Cooling by free air convection
- Compact size
- Low cost, high reliability
- 2 years warranty

## Specifications

| | LDT-DUO-01DC-CC-350mA | LDT-DUO-01DC-CC-500mA | LDT-DUO-01DC-CC-700mA | LDT-DUO-01DC-CC-1050mA |
|---|---|---|---|---|
| OUTPUT CURRENT RANGE | 2x350mA | 2x500mA | 2x700mA | 2x1050mA |
| INPUT VOLTAGE RANGE | 5~ 40VDC | | | |
| OUTPUT VOLTAGE RANGE | 3~ 38VDC | | | |
| CURRENT ACCURACY (Typ.) | ±5% at 24VDC input | | | |
| EFFICIENCY (max.) | 95% at full load and 24VDC/36VDC input | | | |
| PWM FREQUENCY | 30KHz | | | |
| SHORT CIRCUIT | Regulated at rated output current | | | |
| OVER TEMPERATURE | Tj 150°C typically(IC1) detect on main control IC | | | |
| WORKING TEMP. | -35 ~ +85°C(Refer to derating curve) | | | |
| WORKING HUMIDITY | 20% ~ 90% RH non-condensing | | | |
| OPERATING TEMP. (max.) | 100°C | | | |
| IP RATINGS | IP 20 | | | |
| DIMENSION | 98.6*43*17mm | | | |
| BODY MATERIAL | Aluminium | | | |

## Connection Diagram




- Min. 1 Led ( Input : 5VDC ) - per Channel
- Max. 12 Led ( Input : 38VDC ) - per Channel

**( Led Voltage is calculated as 3VDC 350mA )**

- **The supply voltage should be MAX. 3 V more than the total led voltage. If more the drive may overheat !!!**
- **The product should be selected in accordance with the current of the LEDs and the output LEDs should be connected in parallel in accordance with the product.**