

### General

Product Type	Constant Voltage Driver
Length (mm)	273
Width (mm)	57
Height (mm)	37
Housing Color	White
Housing Material	Metal
Mounting	Surface mounted
Weight (g)	750

## **Electronics**

Input Domain	AC
Input Voltage	100 ~ 240V AC
Output Voltage	12V DC
Output Current (mA) max/output	3125
Output Current Max. (A)	12.5
Output Power Range (W)	0~150
Power Factor at Full Load	+0.95 @ 230VAC
Power Supply	Internal
LED Outputs	4
Input Frequency	50 ~ 60Hz

# Lighting

Color Range	RGBW
-------------	------

## Control

Output Signal	PWM-CV
Control	DMX
RDM Support	Yes
Dimming Range	0~100%
Number of Channels	4

### Environmental

Storage Temperature	-40 ~ +80 °C
Operating Temperature	-30 ~ +60 °C
Ingress Protection	IP20

# **( €** IP20

# Disclaimer

Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document following changes in our products. We reserve the right to make technical changes to our products and to change information, at its sole discretion, without notice.



oneeighty one.com



150W



# LED Intelligent Driver

- Dimming interface: DMX512/RDM, Push Dim.
- With the RDM remote device management protocol.
- Supports remote management of reading or writing DMX address.
- 4CH isolated PWM output, control dimming/CT/RGB/RGBW lamps.
- Dimming range: 0~100%, LED start at 0.1% possible.
- Power factor > 0.99, Efficiency > 91%-
- Short circuit / Over-heat / Over load / Over voltage protection.
- Compliant with Safety Extra Low Voltage standard.
- · Suitable for indoor environments.















..... 0.1%-100%



3.12A×4CH

CROKET TECH INSTRUMENTS



















#### Main Characteristics

Dimming Interface: DMX512/RDM, Push Dim Input Voltage Range: 100-240Vac ±10%

Frequency: 50/60Hz

Input Current: 115Vac≤1.6A, 230Vac≤0.8A

Power Factor: PF>0.99/115Vac , PF>0.95/230Vac, at full load

THD. <5% at 115Vac, <8% at 230Vac, at full load

Efficiency:

Inrush Current(typ.): Cold start 60A at 230Vac Control Surge Capability: L-N: 1kV, L/N-Ground: 2kV

Leakage Current: I/P-O/P: <0.5mA/230Vac. I/P-GND: <0.75mA/230Vac

Output Current: 3.12A×4CH Max. 12.5A

Output Voltage: 12Vdc Output Voltage Range: 12Vdc ±0.5Vdc Ripple & Noise: ≤200mV Output Power: Max. 150W 1~150W Output Power Range: Overload Power Limitation: ≥102%~125%

Dimming Range: 0~100%, LED start at 0.1% possible.

PWM Frequency: 2KHz-4KHz

Working Temperature.: tc: 85°C ta: -30°C ~ 60°C Working Humidity: 20 ~ 95%RH, non-condensing Storage Temp., Humidity: -40 ~ 80°C, 10~95%RH Temp. Coefficient: ±0.03%/°C(0-50°C)

Vibration: 10~500Hz, 2G 12min./1cycle, period

for 72min. each along X, Y, Z axes

#### Protection

Shut down the output when PCB temp. ≥ 110°C, Over Temp. Protection:

auto recovers when temp. back to normal.

Over Voltage Protection: Non-load Voltage≥13~18V, re-power on to recover after fault condition is removed.

Current Load≥102%~125%, recovers Over Load Protection:

automatically after fault condition is removed.

Short Circuit Protection: Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed.

Safety & EMC

Withstand Voltage: I/P-0/P: 3750Vac I/P-GND: 1800Vac Isolation Resistance: I/P-0/P: 100MΩ/500VDC/25°C/70%RH Safety Standards: IEC/EN61347-1. IEC/EN61347-2-13

FMC Emission: EN55015, EN61000-3-2 Class C, IEC61000-3-3

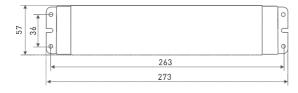
EMC Immunity: EN61000-4-2,3,4,5,6,8,11, EN61547

Others 6 1

Dimension: 273×57×37mm(L×W×H) Packing: 285×63×43mm(I ×W×H)

Weight(G.W.): 790q±10q

#### **Dimensions**

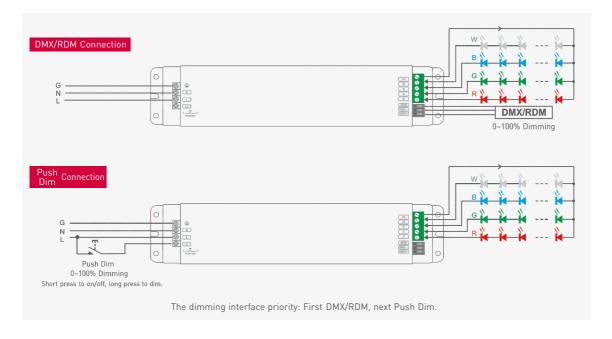




# Connections







### **Push Dimming**



Reset Switch

- On/off control: Short press.
- Stepless dimming: Long press.
- With every other long press, the light level goes to the opposite direction.
- Dimming memory: Brightness will be the same as previously adjusted when turning off and on again.

### How to Use the Dip Switch:

### RDM Mode:

The dip switch 1-9 are OFF.

OFF

1 2 3 4 5 6 7 8 9 ON ON

### DMX Address Setting:

E.g.1: Set Initial Address To 32.





001+004+032=37

DMX address value = the total value of (1-9), To get the place value when in "ON" position,