TIGER Power Supplies

www.TigerPowerSupplies.com

150lm/w 2835 High Efficiency LED Strip



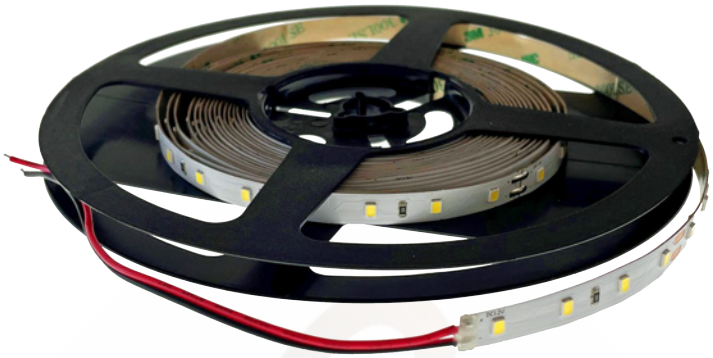
Available colors

SWW WW NW CW

Warranty 5years

Features

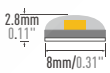
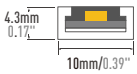
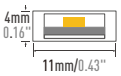
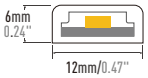
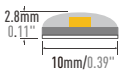
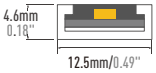
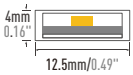
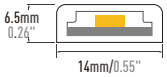
- High efficicency up to 150LM/W
- CRI80 or CRI90 available
- High color consistency, same color tone
- Price competitive
- Cuttable to meet different length
- Different watt for demand
- Different IP rate for choice
- CE, RoHS, 5 years warranty



Each 5 metre length is supplied on a reel with wire input (see pages 7 and 8 for control and quick connection ideas)

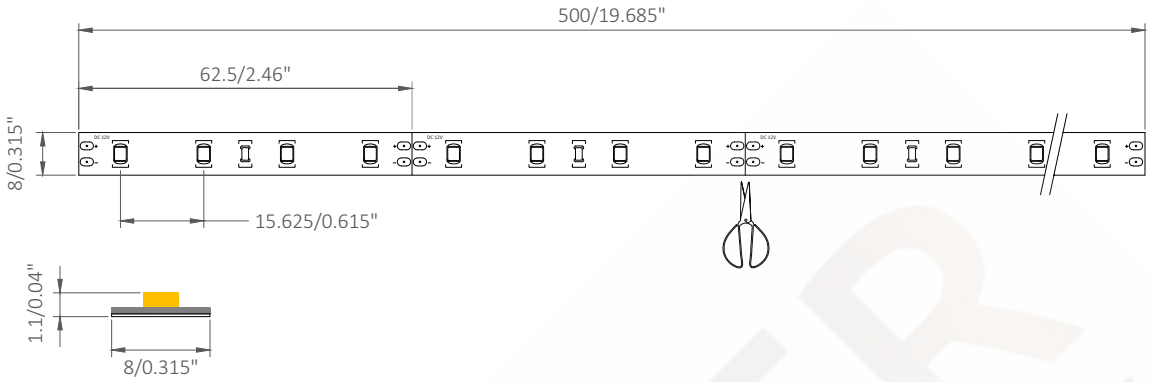
Technical Parameters

Model	Color	CCT Range	Lumen (lm/M)	LED Type	CRI	LED Qty. (PCS/M)	Rated Watt (W/M)	Max. Length (M)	Min. Length (mm)	DC Voltage (V)	Width (mm)	IP
SW-64-19W-12	SWW	2640K-2840K	540	2835	>80	64	3.8	5	62.5	12	8	IP20/64/65/68
WW-64-19W-12	WW	2900K-3200K	570									
NW-64-19W-12	NW	3750K-4280K	590									
CW-64-19W-12	CW	6100K-6900K	610									
SW-128-38W-12	SWW	2640K-2840K	1060	2835	>80	128	7.7	5	31.25	12	8	IP20/64/65/68
WW-128-38W-12	WW	2900K-3200K	1120									
NW-128-38W-12	NW	3750K-4280K	1160									
CW-128-38W-12	CW	6100K-6900K	1210									
SW-160-48W-12	SWW	2640K-2840K	1340	2835	>80	160	9.6	5	25	12	8	IP20/64/65/68
WW-160-48W-12	WW	2900K-3200K	1410									
NW-160-48W-12	NW	3750K-4280K	1440									
CW-160-48W-12	CW	6100K-6900K	1490									
SW-240-72W-12	SWW	2640K-2840K	1950	2835	>80	240	14.4	5	16.7	12	10	IP20/64/65/68
WW-240-72W-12	WW	2900K-3200K	2080									
NW-240-72W-12	NW	3750K-4280K	2150									
CW-240-72W-12	CW	6100K-6900K	2210									
SW-64-19W-24	SWW	2640K-2840K	540	2835	>80	64	3.8	5	125	24	8	IP20/64/65/68
WW-64-19W-24	WW	2900K-3200K	570									
NW-64-19W-24	NW	3750K-4280K	590									
CW-64-19W-24	CW	6100K-6900K	610									
SW-128-38W-24	SWW	2640K-2840K	1060	2835	>80	128	7.7	5	62.5	24	8	IP20/64/65/68
WW-128-38W-24	WW	2900K-3200K	1120									
NW-128-38W-24	NW	3750K-4280K	1160									
CW-128-38W-24	CW	6100K-6900K	1210									
SW-160-48W-24	SWW	2640K-2840K	1340	2835	>80	160	9.6	5	50	24	8	IP20/64/65/68
WW-160-48W-24	WW	2900K-3200K	1410									
NW-160-48W-24	NW	3750K-4280K	1440									
CW-160-48W-24	CW	6100K-6900K	1490									
SW-240-72W-24	SWW	2640K-2840K	1950	2835	>80	240	14.4	5	33.3	24	10	IP20/64/65/68
WW-240-72W-24	WW	2900K-3200K	2080									
NW-240-72W-24	NW	3750K-4280K	2150									
CW-240-72W-24	CW	6100K-6900K	2210									

IP / PCB Width	IP64	IP65		IP68
	Slim PU glue potted	PU glue potted	Silicon sleeved	Silicon extrusion
8mm Width				
10mm Width				

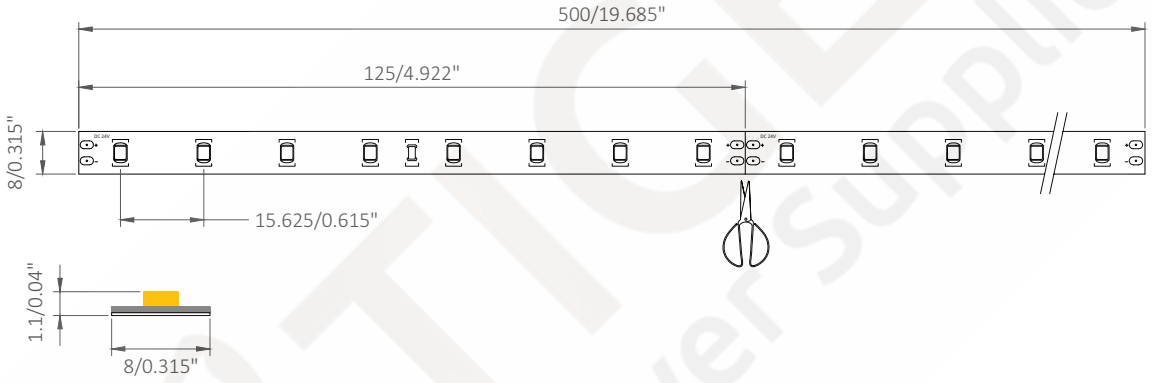
Dimension(Unit:mm/inch)

12v 3.8 watts per metre

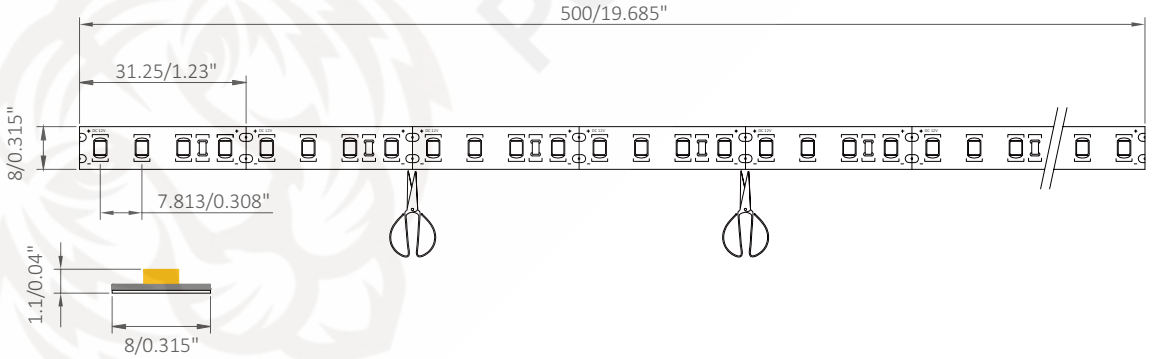


64LEDS

24v 3.8 watts per metre

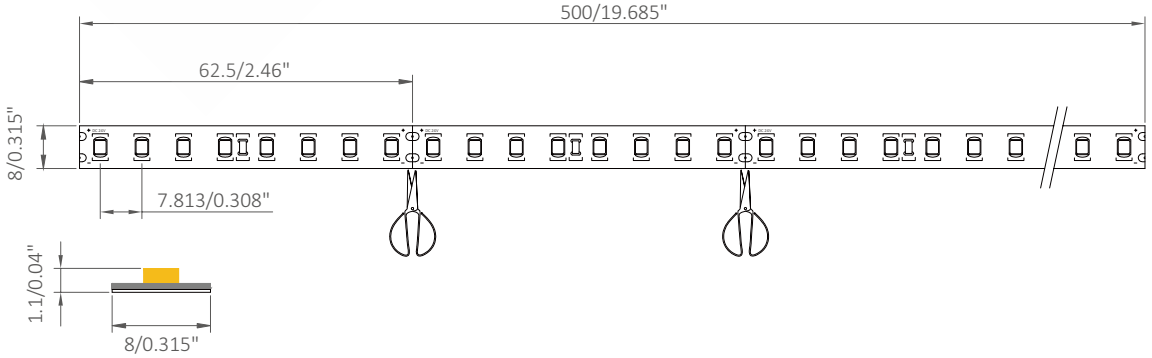


12v 7.7 watts per metre

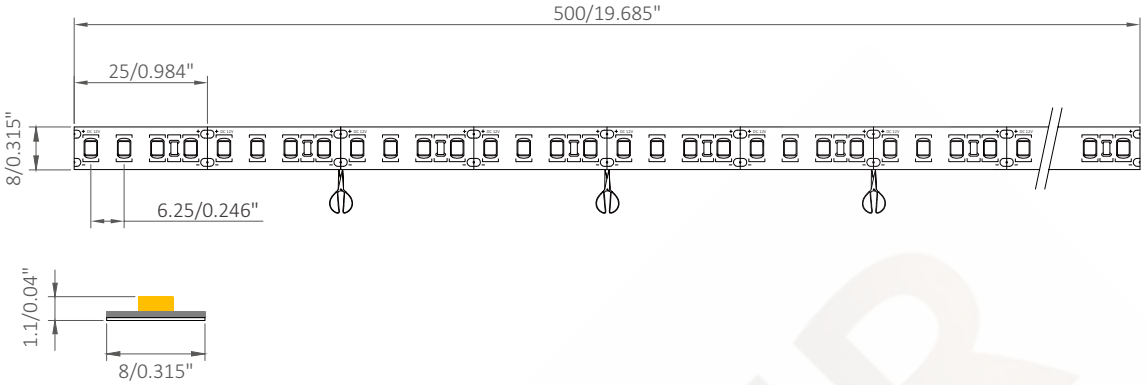


128LEDS

24v 7.7 watts per metre

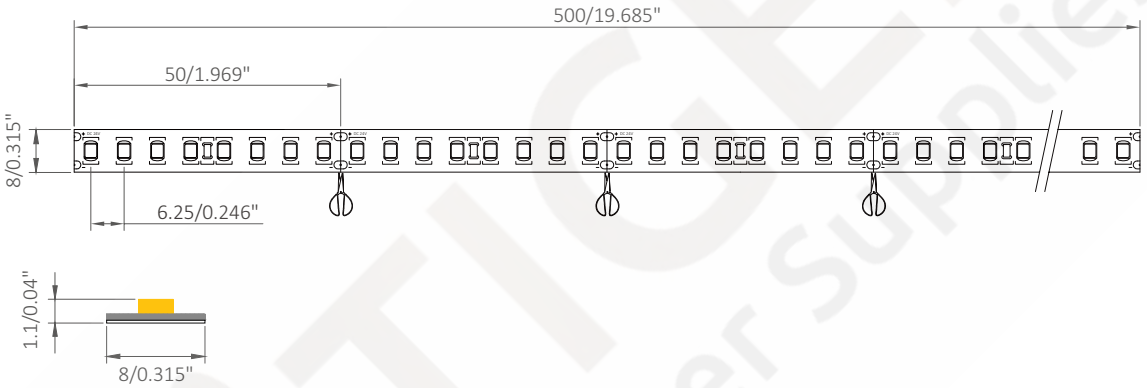


12v 9.6 watts per metre

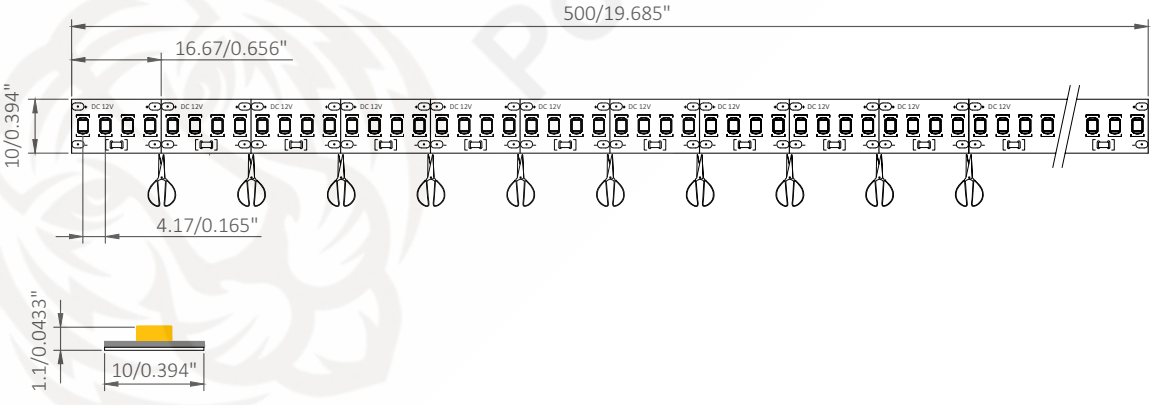


160LEDS

24v 9.6 watts per metre

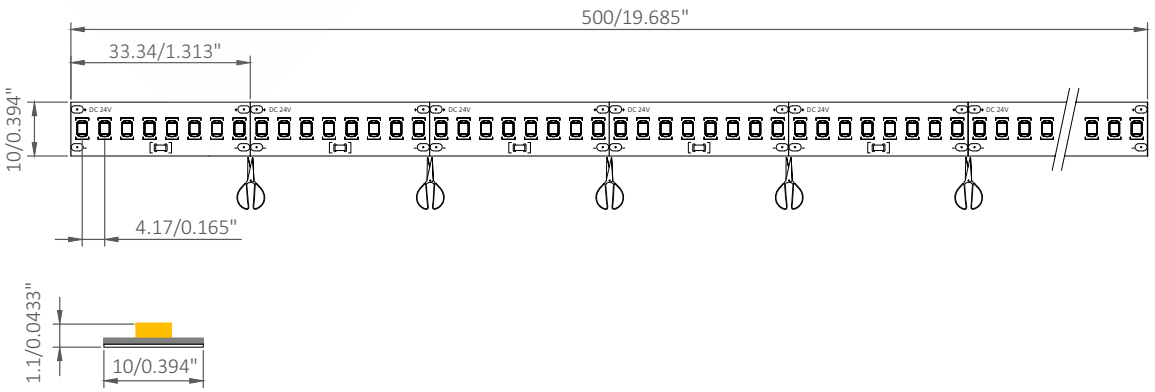


12v 14.4 watts per metre

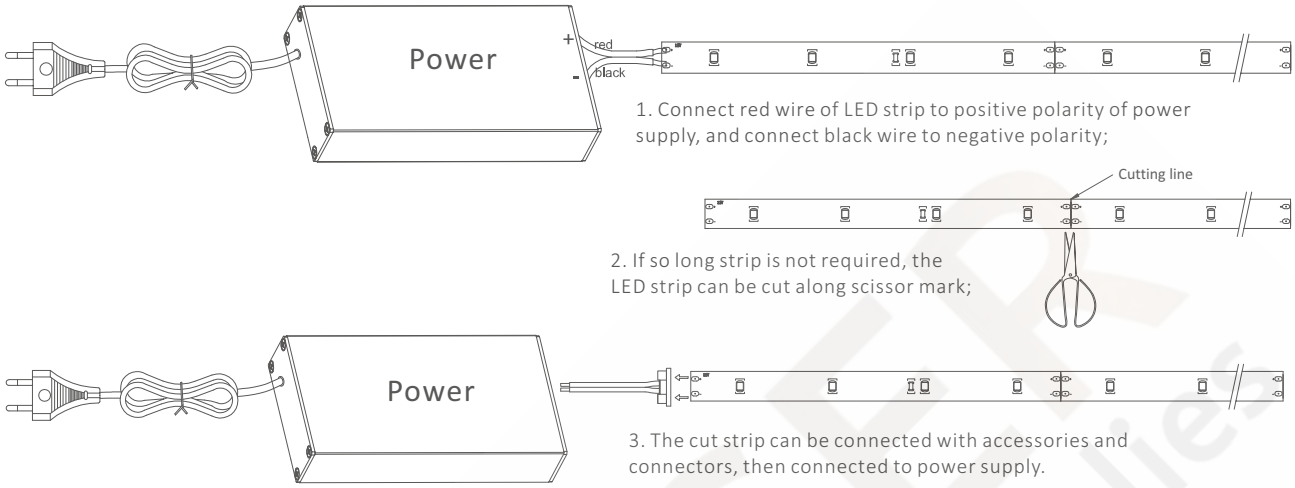


240LEDS

24v 14.4 watts per metre



Wiring diagram

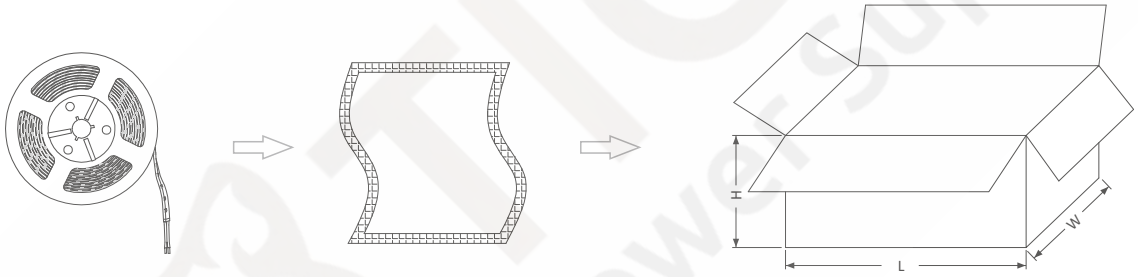


1. Connect red wire of LED strip to positive polarity of power supply, and connect black wire to negative polarity;

2. If so long strip is not required, the LED strip can be cut along scissor mark;

3. The cut strip can be connected with accessories and connectors, then connected to power supply.

Packaging information



LED strip+accessories	Anti-static bag	Packing Box		
Type	Gross Weight per Reel(Kg)	QTY per Carton	Size(mm/inch)	Gross Weight(Kg)
64 LED Per Metre	0.104	50	590*325*211mm 23*13*8inch	5.8
128 LEDs Per Metre	0.112	50	590*325*211mm 23*13*8inch	6.2
160 LEDs Per Metre	0.116	50	590*325*211mm 23*13*8inch	6.4
240 LEDs Per Metre	0.146	50	590*325*211mm 23*13*8inch	7.9

Installation requirement

- The LED strip and accessories can't be squeezed or folded;
- PCB conductive parts can't be damaged when installation;
- Installation must conform to electrical safety standard. The LED strip can only be installed by professionals;
- Ensure power supply transform operating load with transformer;
- When install on metal or conductor surface, insulation protection need to be provided to the contact area;
- Observe positive and negative polarity, ensure correct connection to avoid damaging LED strip;
- When installation, please prevent static electricity;
- The product need anti-corrosion environment, such as, avoiding damp, water drop or other adverse elements.

Application

- Stage lighting
- Festival, activities, exhibition lighting, etc
- Backlight of signage
- Contour lighting
- LED luminous characters
- Landscape decoration lighting





Why not try our range of CONTROLLERS

Features:

- Reliable RF Signal
- No Line of Sight needed (as with Infra Red Controllers)
- Complete Range to Choose from including Single Colour & RGB options
- Suitable for use with a wide range of LED lighting including LED strip



Part TGR-REM-SC-RF-1

12V – 24V input & Output

Dimensions 110 x 56 x 34mm

Single Channel 8A

Brightness Adjust and ON/OFF



Part TGR-REM-WIFI

Free App for iOS & Android

Dimensions 53 x 24 x 11mm

5V – 24V 96W (5A max.)

Quick Connect 2.1mm in/out



Part TGR-REM-SC-RF-2

12V – 24V input & Output

6A x 3 Channels 18A MAX.

(216W / 12V 432W / 24V)

Up to 20M Control Distance



Part TGR-REM-SC-RF-3



Colour Temp Adj

30A 2700 – 6500K

5V – 24V2 Channel



Part TGR-REM-SC-RF-4

5V – 24V input & Output

5A Max. Output Current.

8 Dynamic Effects

10 Step Dimming



Part TGR-REM-SC-RF-5

12V – 24V input & Output

30A MAX.

On Off and Brightness Adjust

8 Dynamic Effects





Part TIG-REM-RGB-RF

12 – 24vdc input & Output (Input voltage will equal the output voltage so if you want to control 12V LED strip please provide a 12V Input)

12A Maximum current

24 Button RF Remote for RGB Full Colour Control

Adjust Brightness levels and Colour ON/OFF control

TIGER POWER PRODUCTS – QUALITY & RELIABILITY

This specification is not for general release or circulation. Tiger Power reserves the right to make changes to spec. or product without notice or liability.

Quickly connect and power your LED strip using our push to fit 2.1mm DC Power Connectors

- Rated at 5 Amps at up to 24V
- Push Terminals for Fast Connection
- Available as male and female ends



- Part number CON21-TERM-SOCKET



- Part number CON21-TERM

The Tiger Power CON21 series of push fit connectors are designed to work with the industry standard 2.1mm x 5.5mm DC power connector fitted to a comprehensive range of Tiger Power Supplies. The red and black push fit terminals easily identify the + and - wires to quickly attach cables

This specification is not for general release or circulation. Tiger Power reserves the right to make changes to spec. or product without notice or liability.

Power longer lengths from a single driver..

TIGER Power Supplies

Multi Output Constant Voltage



Features:

- 100-305VAC Ultra Wide range Input Voltage
- Fanless Design – High Reliability
- IP67 rated suitable for indoor & outdoor use
- Protections OVP, SCP, OCP, OTP
- 5 Year Warranty
- Full Safety including CE, UL EN61347-1, EN61347-2-13

The Tiger Power range of LED drivers feature a comprehensive range of safety approvals for truly global requirements and meet latest energy efficiency legislation. The TGR-24V-200W 24vdc 8.3 amp model provides a reliable constant voltage output at up to 200 Watts continuous, suitable for a wide range of applications. This LED driver is supplied with a 1 input to 3 output high current splitter. Please see page 2 for example connection. Also available as 4 and 6 output versions on request

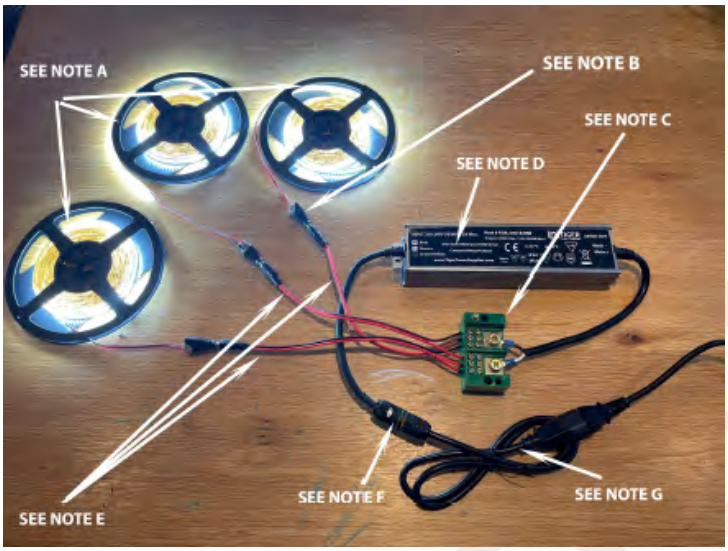
Part number :	TGR-24V-200W-OP3
Output:	24vdc Constant Voltage (16.8vdc to 24vdc in CC mode)
Output Current Adjustable Range in CC mode	4.15 amp to 8.3 amp (99.6 watt to 200 watts)
Input voltage:	100-305vac
Input frequency:	47 - 63Hz
No load power consumption:	<0.5W
Current:	8.3A
Power :	200 Watts
Protection:	Short Circuit, Over Temperature, Over voltage protection
Dimensions:	199 x 63 x 35.5mm
Weight:	850g
AC cord length (where supplied):	300mm
DC cord length:	300mm
DC output:	Red + Black -
Polarity:	No applicable
Efficiency:	94%
Input current RMS Max.:	2.0A
Inrush Current at 230vac:	65A max. at 230vac cold start, max. load
Load regulation:	+ / - 5%
Safety approval:	UL8750, CSA22.2 EN61347-1, EN61347-2-13, EN62384
M.T.B.F:	749,060.00 hours min Telcordia SR-332 (Belcore)
Operating temperature:	-40°C to + 90°C (contact sales for derating info)

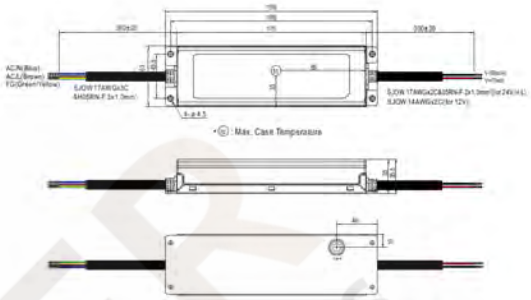
TIGER POWER PRODUCTS – QUALITY & RELIABILITY

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24VDC 8.3A 200W LED DRIVER

Output Adjustable





A) This is 3 reels of our 5 Metre (60W) 12W/M 128 LED/m 6500K 80cri 24vdc 2350lm LED strip part number CW-128-12WM. Each reel of 5 metres is rated at 60 watts total, so the load on this power supply in the above photo is 3 x 60 W (180 watts). Each of the 3 outputs can supply 24vdc at 2.77A (66.67W) if all loaded together. Each output is rated to a max 100W. Total load 200W

B) These connectors are our CON21-TERM-SOCKET push fit 2.1mm sockets which can quickly be attached to the LED strip for fast powering. Rated to 5A maximum

C) This terminal block is part of our DC High Current Splitter range. This is part number TP-SPLIT-HW-OPX3 which is a 1 input to 3 output. The input side is rated to 30A max and each output terminal is rated to 8.3A max. Suitable only for low voltage 12V / 24V connection. In the photo this splitter is fitted with 3 of our EXT-CAB-A Red/Black cables

As well as this 3 output splitter connector, we also have 4, 6, 8 and 9 output splitter boxes if more outputs are required

D) One of our TGR-24V-200W constant voltage 24vdc 200W LED drivers

E) 3 pieces of our EXT-CAB-A cables which are rated to 4A 20AWG and 300mm length

F) Here we use one of our IP68 2 or 3 wire waterproof cable joints CON-WP-IP68-M16 to connect an IEC input cable to the existing 300mm AC bare end cable. Please note the CON-WP-IP68-M16, EXT-CAB-A or IEC cable is not supplied as standard. The unit is supplied as per the photo on page 1 of this spec and all other parts are option extras available by contacting us

G) IEC input cable fitted for fast AC connection (not waterproof) part CA-IEC-1M

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