PSC-150-24V

WOOD UPP

LED Power supply

Important: read this information before installation.

- 100-240VAC Input
- Constant voltage output, **Max.** total output power 150W
- Built-in active PFC function
- Ultra-thin design, Light weight and high efficiency
- Over-load / Over-temperature / Short circuit protection
- Suitable for indoor LED lighting application
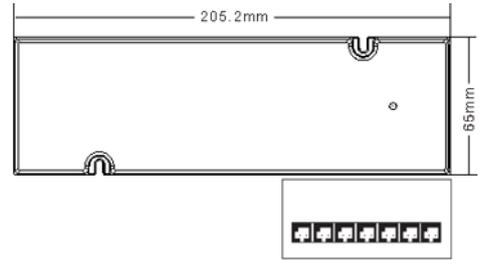- Warranty – 5 years

Applications

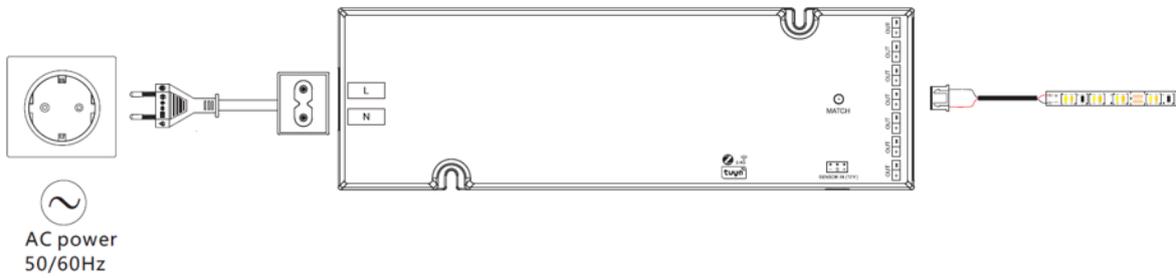- Suitable for WoodUpp LED Striplight

Technical Parameters

Output	Output voltage	24VDC
	Output current	Max. 6.25A
	Output power	Max. 150W
	Startup time	1s/230VAC
	Dimming range	1-100%
	Ripple&Noise	≤500mVp-p
Input	Input voltage	100-240VAC
	Frequency rage	50/60Hz
	Alternating current	2,5A/230VAC
	Power factor	PF≥0,90/230VAC (fully loaded)
	No load power	0,5W
	Inrush current	Cold start 100A
	Anti surge	L-N:1KV
	Leakage current	≤0,75mA / 265VAC
Protection	Over temperature	Shut down the output voltage, recover from cooling
	Overload	When the load≥110-140% off the output voltage, Auto recovers
	Short Circuit	Shut down the output voltage, auto recovers
Environment	Working temperature	-20° - +45°C
	T-case max	90°C
	Working humidity	20 – 90% RH, non-condensing
	Storage temperature/humidity	-40 - +60°C, 10-95% RH, non-condensing
	Temperature Coefficient	±0,03%/°C(0-50%)
	Vibration resistance	10-500Hz, 2G, 6min/cycle, X, Y, Z axes/2min
	IP rating	IP42
Safety & EMC	Security specifications	IEC/ENG61347-1, IEC/EN61347-2-13, GB19510.14
	Withstand voltage	I/P-O/P:3750VAC
	Insulation resistance	I/P-O/P:1000MΩ /500VDC/25°C / 70%RH
	EMC Emission	EN61000-3-2 class C, IEC61000-3-3
	EMC Immunity	EN61000-4-2.3.4.5.6.8.11, EN61547
	Certifications	CE, RoHS
	Driver	Class II power supply, full insulated plastic case
Warnings	Installation	REMEMBER to **turn off** the power to the power supply before installment
		The Power supply need a min of 40 cm space for best working result
		The driver MUST NOT be exposed to moisture
Other	Net weight	400g/GW420g
	Size	205*65*31mm (L*W*H)
	Warranty	5 years

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Mechanical structures and installations

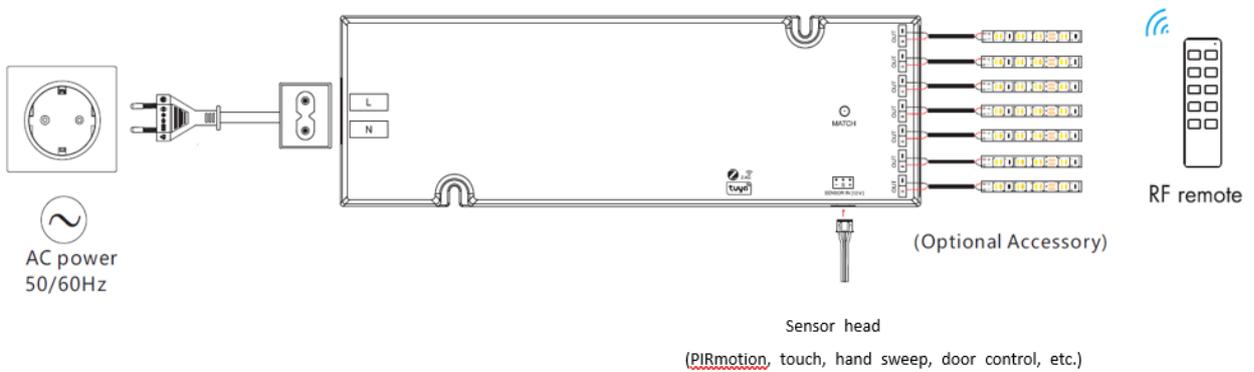## Wiring diagram

1.Without dimming

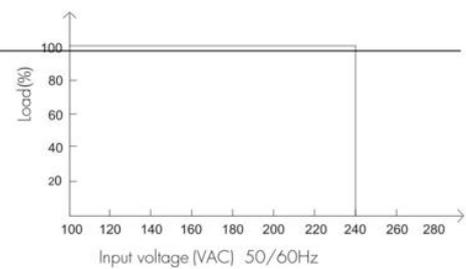AC power
50/60Hz

2.With dimming

AC power
50/60Hz

RF remote

(Optional Accessory)

Sensor head
(PIRmotion, touch, hand sweep, door control, etc.)

Output Load vs Temperature

Static characteristic

Ambien Temperature,Ta(°C)

Case Temperature,TC(°C)

Input voltage (VAC) 50/60Hz

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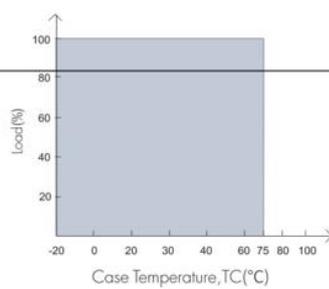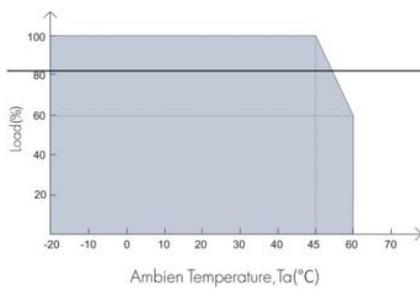
Precautions

Caveat:

Please do not stack the products. The distance between two products should be ≥50CM, distance between the product and the surrounding area should also be ≥50CM, and cannot be installed in confined spaces, so as not to affect heat dissipation and lifespan of products.

Setting up Philips Hue, Google Home or Alexa

IMPORTANT - ZigBee setup

Connectivity when using ZigBee requires that an existing ZigBee bridge/hub is installed (e.g. a Philips HUE Bridge). WoodUpp LED strip supports connectivity to market-leading smart-home solutions such as Philips HUE, Google Home, Alexa and Tuya Smart.
You should download and install your desired app from the Apple App Store or Google Play.
Connecting to your desired smart home solution is described below.
The built in Zigbee module for the driver enables you to connect your WoodUpp Zigbee remote control to your WoodUpp LED striplight.

Setting up Philips HUE

1) Open the Hue app.
2) Go to the Home tab and tap the three-dot icon (…).
3) Tap Add lights.
4) Only NOW do you need to turn on your WoodUpp LED Strip and ensure that the blue diode on the driver flashes.
5) Tap Search.
6) Once the new light is found, tap Start setup.
   You can then name your WoodUpp LED Stip and specify its type (icon).
   (you can name it "WoodUpp" as it makes it easier to use the voice control in Alexa and Google)
7) Move your new light source (WoodUpp) to an existing room or create a new one.
8) The app acknowledges with "We succeeded! Your lights are ready to go"

See Philips HUE's own guide here:
[How to set up smart bulbs and lamps | Philips Hue UK (philips-hue.com)](philips-hue.com)
[How to set up Hue smart bulbs and lamps | Philips Hue (philips-hue.com)](philips-hue.com)

Setting up Google Home

Your WoodUpp LED Strip can be connected to Google Home via Zigbee through your Philips Hue app.

We describe how you can connect WoodUpp LED Strip to Google Home through Philips HUE.

1) Open your Google Home app.
2) Select "Settings and press "+ Add"
3) Select "Services" and select "Works with Google"
4) Search for Philips Hue
5) Select Philips Hue and click "Grant permission"
6) You will now be directed to your Philips Hue account where you are asked to log in with your Philips Hue account details
   a) For Philips Hue setup, select your Philips Hue Bridge
7) After that, the setup is finished and when Google has synchronized with your Philips Hue, you can "talk" to your WoodUpp LED Strib. (e.g. "Hey Google – turn on WoodUpp")

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Setting up Alexa

Your WoodUpp LED Strip can be connected to Amazon Alexa via Zigbee through your Philips Hue app.

Select Amazon Alexa devices support direct connection of WoodUpp LED Strip via Zigbee. Contact your Amazon Alexa dealer for more information.

We describe how you can connect WoodUpp LED Strip to Alexa through Philips HUE.

1) Open your Amazon Alexa app.
2) Select "More" and then "Skills & Games"
3) Select Search purchase in the top right
4) Search for Philips Hue
5) Select Philips Hue and click "Enable Skill"
6) You will now be directed to your Philips Hue account where you are asked to log in with your Philips Hue account details
    a) For Philips Hue setup, select your Philips Hue Bridge
7) Then the setup is complete and when Alexa has synchronized with your Philips Hue setup, you can "talk" to your WoodUpp LED Strip (e.g. "Alexa – turn on WoodUpp").