

Harvatek LED Strip Data Sheet

Silicone Series

(IP68)

Acknowledged by

Winson

Engineer
Production Engineering Dept.

Rois

Project Assistant Manager
Production Engineering Dept.

Official Product	LED Strip_Silicone Series	Your Part No.		Data Sheet No.
Tentative Product		*****		
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● Application Field

- Auditorium Walkway Lighting
- Stairway Accent Lighting
- Cabinet Lighting
- Decoration Lighting



● Description of Product Name

HT - SS - 3528 - WW - T60 - 12V

Company	Series	LED	Color	LED QTY	Input DC
Harvatek	BS: Bare SS: Silicone	3528 5050 0603	WW: 2750K-3250K warm white NW: 3750K-4250K natural white PW: 5000K-6500K pure white CW: 7500K-12000K cold white RGB	T30: 30ea/M T60: 60ea/M T120: 120ea/M D60: 2 side 60ea/M	12V 24V

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● Specification

1. 3528 Series

Product Name	Color CCT	LED QTY	Input Voltage	Luminous Flux
HT-SS-3528-CW-T60-12V	Cool White 7500K - 12000K	60ea/M	12VDC	250lm / M
HT-SS-3528-PW-T60-12V	Pure White 5000K - 6500K	60ea/M	12VDC	240lm / M
HT-SS-3528-NW-T60-12V	Neutral White 3750K - 4250K	60ea/M	12VDC	230lm / M
HT-SS-3528-WW-T60-12V	Warm White 2750K - 3250K	60ea/M	12VDC	220lm / M
HT-SS-3528-CW-T120-12V	Cool White 7500K - 12000K	120ea/M	12VDC	500lm / M
HT-SS-3528-PW-T120-12V	Pure White 5000K - 6500K	120ea/M	12VDC	480lm / M
HT-SS-3528-NW-T120-12V	Neutral White 3750K - 4250K	120ea/M	12VDC	460lm / M
HT-SS-3528-WW-T120-12V	Warm White 2750K - 3250K	120ea/M	12VDC	440lm / M
HT-SS-3528-CW-T60-24V	Cool White 7500K - 12000K	60ea/M	24VDC	250lm / M
HT-SS-3528-PW-T60-24V	Pure White 5000K - 6500K	60ea/M	24VDC	240lm / M
HT-SS-3528-NW-T60-24V	Neutral White 3750K - 4250K	60ea/M	24VDC	230lm / M
HT-SS-3528-WW-T60-24V	Warm White 2750K - 3250K	60ea/M	24VDC	220lm / M
HT-SS-3528-CW-T120-24V	Cool White 7500K - 12000K	120ea/M	24VDC	500lm / M
HT-SS-3528-PW-T120-24V	Pure White 5000K - 6500K	120ea/M	24VDC	480lm / M
HT-SS-3528-NW-T120-24V	Neutral White 3750K - 4250K	120ea/M	24VDC	460lm / M
HT-SS-3528-WW-T120-24V	Warm White 2750K - 3250K	120ea/M	24VDC	440lm / M

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2. 5050 Series

Product Name	Color CCT	LED QTY	Input Voltage	Luminous Flux
HT-SS-5050-CW-T30-12V	Cool White 7500K - 12000K	30ea/M	12VDC	450lm / M
HT-SS-5050-PW-T30-12V	Pure White 5000K - 6500K	30ea/M	12VDC	440lm / M
HT-SS-5050-NW-T30-12V	Neutral White 3750K - 4250K	30ea/M	12VDC	430lm / M
HT-SS-5050-WW-T30-12V	Warm White 2750K - 3250K	30ea/M	12VDC	420lm / M
HT-SS-5050-RGB-T30-12V	RGB	30ea/M	12VDC	200lm / M
HT-SS-5050-CW-T60-12V	Cool White 7500K - 12000K	60ea/M	12VDC	900lm / M
HT-SS-5050-PW-T60-12V	Pure White 5000K - 6500K	60ea/M	12VDC	880lm / M
HT-SS-5050-NW-T60-12V	Neutral White 3750K - 4250K	60ea/M	12VDC	860lm / M
HT-SS-5050-WW-T60-12V	Warm White 2750K - 3250K	60ea/M	12VDC	440lm / M
HT-SS-5050-RGB-T60-12V	RGB	60ea/M	12VDC	400lm / M
HT-SS-5050-CW-T30-24V	Cool White 7500K - 12000K	30ea/M	24VDC	450lm / M
HT-BS-5050-PW-T30-24V	Pure White 5000K - 6500K	30ea/M	24VDC	440lm / M
HT-SS-5050-NW-T30-24V	Neutral White 3750K - 4250K	30ea/M	24VDC	430lm / M
HT-SS-5050-WW-T30-24V	Warm White 2750K - 3250K	30ea/M	24VDC	420lm / M
HT-SS-5050-RGB-T30-24V	RGB	30ea/M	24VDC	200lm / M
HT-SS-5050-CW-T60-24V	Cool White 7500K - 12000K	60ea/M	24VDC	900lm / M
HT-SS-5050-PW-T60-24V	Pure White 5000K - 6500K	60ea/M	24VDC	880lm / M
HT-SS-5050-NW-T60-24V	Neutral White 3750K - 4250K	60ea/M	24VDC	860lm / M
HT-SS-5050-WW-T60-24V	Warm White 2750K - 3250K	60ea/M	24VDC	440lm / M
HT-SS-5050-RGB-T60-24V	RGB	60ea/M	24VDC	400lm / M

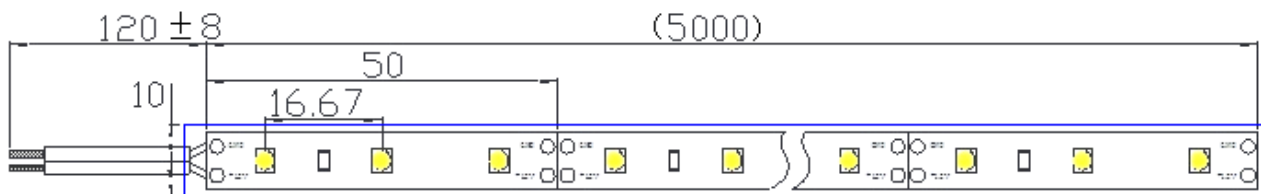
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3. 0603 Series

HT-SS-0603-CW-T420-24V	Cool White 5300K - 12000K	420ea/M	24VDC	200lm / M
HT-SS-0603-WW-T420-24V	Warm White 3000K - 4000K	420ea/M	24VDC	160lm / M
HT-SS-0603-USD-T420-24V	Red	420ea/M	24VDC	20lm / M
HT-SS-0603-NG-T420-24V	Green	420ea/M	24VDC	270lm / M
HT-SS-0603-NB-T420-24V	Blue	420ea/M	24VDC	60lm / M

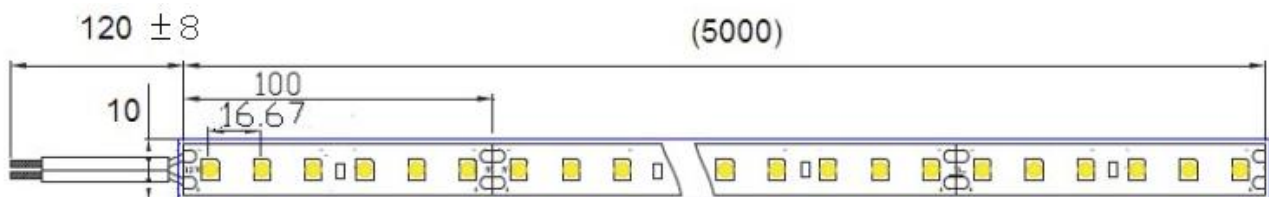
● Outline Dimension

1. HT-SS-3528-xx-T60-12V



-The other wire tolerance is ± 2.5 mm.

2. HT-SS-3528-xx-T60-24V



-The other wire tolerance is ± 2.5 mm.

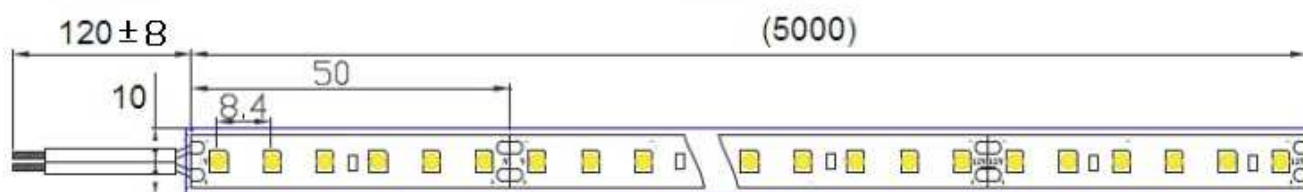
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3. HT-SS-3528-xx-T120-12V



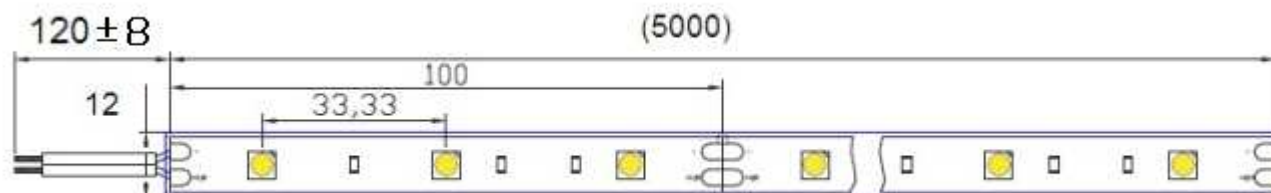
-The other wire tolerance is $\pm 2.5\text{mm}$.

4. HT-SS-3528-xx-T120-24V



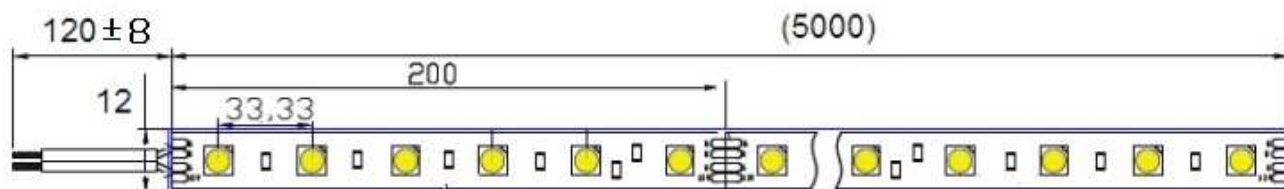
-The other wire tolerance is $\pm 2.5\text{mm}$.

5. HT-SS-5050-xxx-T30-12V



-The other wire tolerance is $\pm 2.5\text{mm}$.

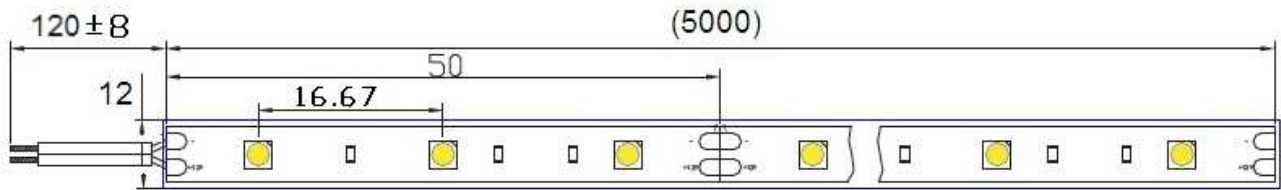
6. HT-SS-5050-xxx-T30-24V



-The other wire tolerance is $\pm 2.5\text{mm}$.

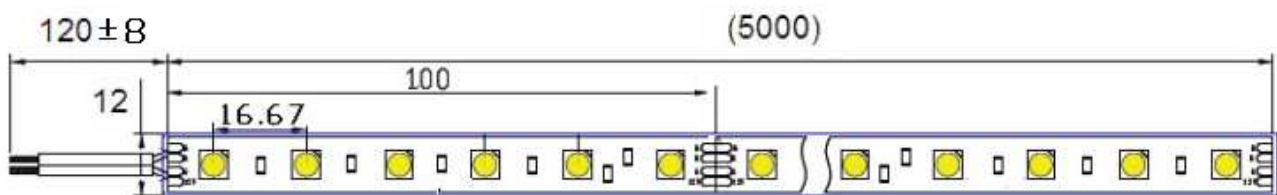
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7. HT-SS-5050-xxx-T60-12V



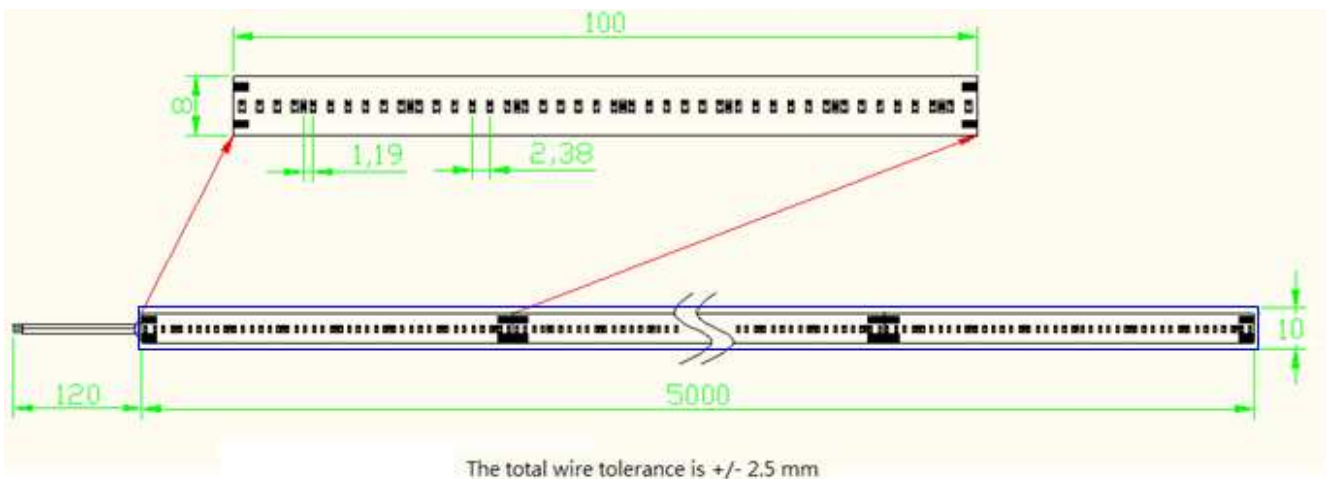
-The other wire tolerance is ± 2.5 mm.

8. HT-SS-5050-xxx-T60-24V



-The other wire tolerance is ± 2.5 mm.

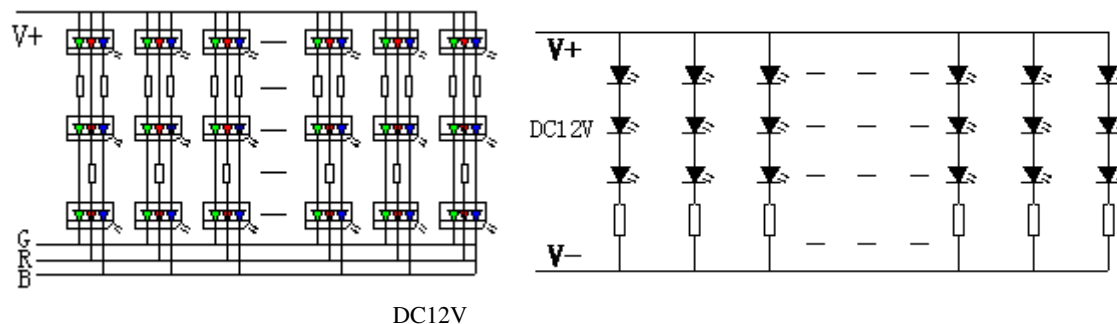
9. HT-SS-5050-xxx-T60-24V



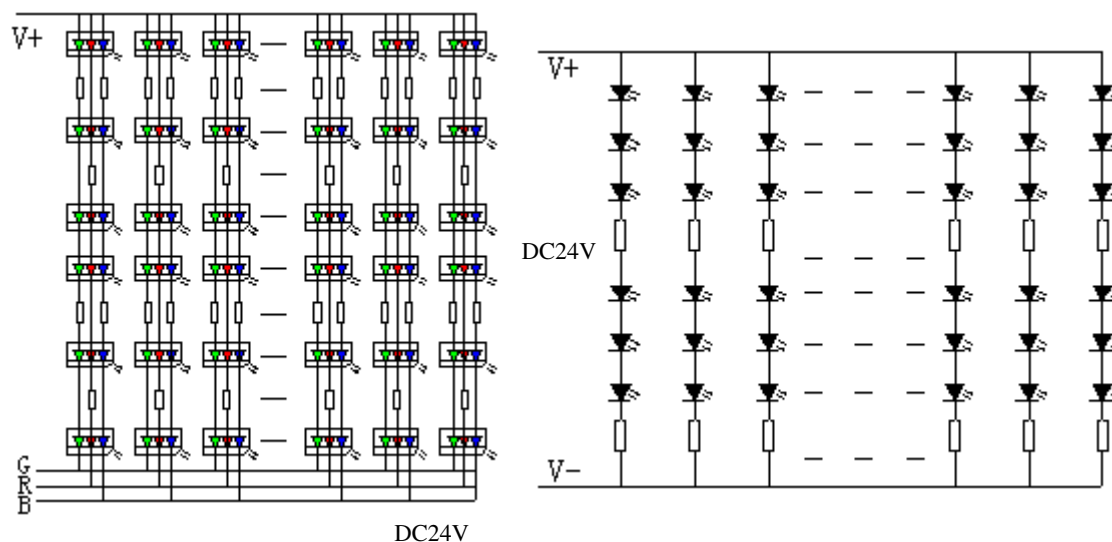
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● Circuit Diagram

DC 12V :



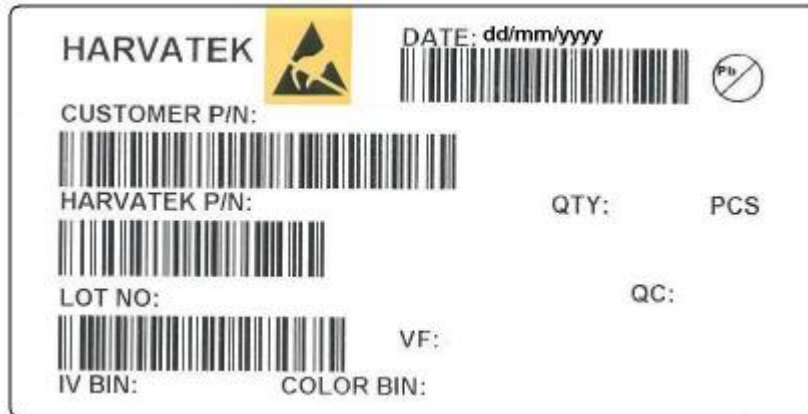
DC 24V :



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● Packing Specification

1. Label Spec.



2. Packaging

Use ESD PE Bags.

● Operation and storage

It's recommended to operate the products under temperature condition: $-20^{\circ}\text{C} \sim 50^{\circ}\text{C}$

It's recommended to store the products in the following conditions:

Humidity: 60 %RH Max.

Temperature: $-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$

Shelf life : 6 month at $<40^{\circ}\text{C}$ and $<60\%\text{RH}$.

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● Design Change Control Procedure

If there are reasons to make revisions in designs and manufacture processes , it must base on following rules.

1. Scope of change

- (1). Modify Design (Dimensions, Assembly Construction, shapes and etc...)
- (2). Change parts and materials.
- (3). Change vendors of parts and materials and etc...
- (4). Change manufacture processes, conditions and etc...
- (5). Change and modify manufacture instruments, mold and etc...
- (6). Change measurement (Inspection) methods and criteria.
- (7). Change label indications and package type.
- (8). Any conclusions and documents that are discussed by both parties.

2. Change Notification and Approval

In case of the aforementioned change, HARVATEK CO., LTD., will provide change documents and approval from Customer Upon receipt of this change request, Customer shall notify HARVATEK CO., LTD., within 2 weeks. If it is necessary to prolong the response time, Customer shall inform HARVATEK CO., LTD., at its earliest convenient time.

3. Carry Out

After change is approved by Customer. HARVATEK CO., LTD., can execute the approved changes and deliver new type units in appropriate timeframe. For better identification, new type units will be labeled and marked properly.

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● Revision History

Changes since last version	Page	Version No.	Revision Date
Release	-	V1.0	2011/07/29
Add HT-SS-3528-CW	5	V1.1	2012/06/15
Add operating temperature	11	V1.1	2012/06/15
Revise the Luminous Flux	-	V2.0	2013/07/23

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