DATA SHEET

DEVICE NUMBER : FL-5630W300N

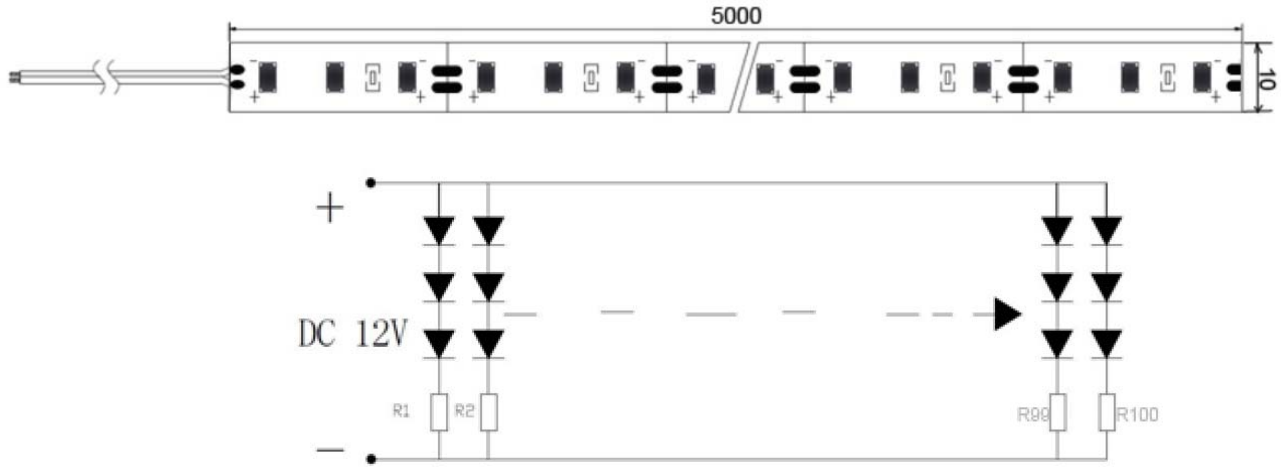
- **Features:**

1 . 5000MMx10MM(300-LED) LED FLEXIBLE RIBBON(NON-WATERPROOF)
2. PRINTED CIRCUIT BOARD THICKNESS：0.2MM
3. WORKING VOLTAGE：12V DC.
4. WORKING CURRENT: 6 A
5. LED VIEW ANGLE(2θ1/2):100°
6. PACKAGE: 5meters/REEL

- **Applications:**

1. SLIM DESIGN AND MANY COLORS TO CHOOSE
2. BY THE PRINTED CIRCUIT BOARD FORMED ON THE BACK WITH A DOUBLE-SIDED ADHESIVE FOR PASTE
3. EACH LED CAN BE ALONG THE ABOVE THREE TANGENT ARBITRARY CUT OFF, WITHOUT DAMAGING OTHER PARTS

- **Package dimensions(mm)：**



Notes:

1. All dimensions are in millimeters.
2. Tolerance is ±0.5mm unless otherwise specified.

- **Absolute maximum ratings (TA=25℃)**

Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Current	I_F	6	A
Power Dissipation	PD	72	W
Electrostatic discharge	ESD	800	V
Operating Temperature	Topr	-25∽+60	℃
Storage Temperature	Tstg	-40∽+80	℃

*1Proper current derating must be followed to keep LED junction temperature (T_J) below the maximum

● Electrical & Optical Characteristics (T_J=25℃)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage DC	V_F	I_F = 6000mA	--	12	--	V
Dominant Wavelength	λD	I_F = 6000mA	--	-	--	nm
Color Temperature	TC	I_F = 6000mA	--	6000	--	K
Luminous flux	φV	I_F = 6000mA	--	7500	--	LM
Recommend Forward Current	IF(rec)	V_F = 12V	-	6	--	A

● Package Method : (unit:mm)