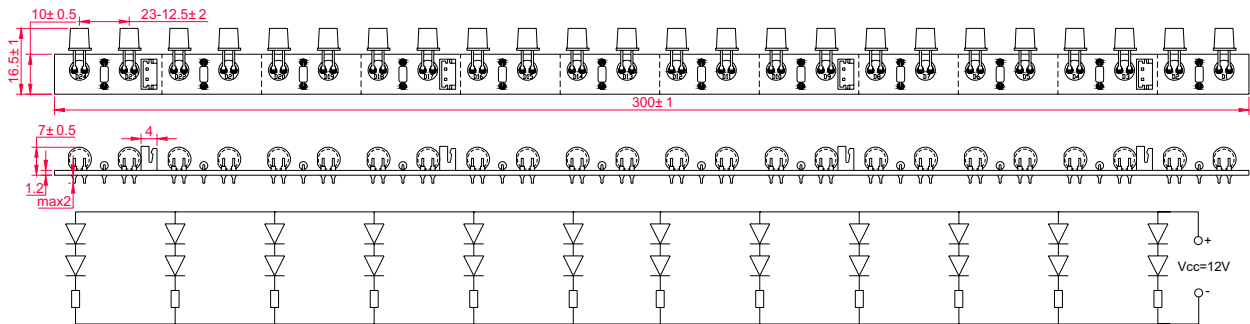


## ● Features:

1. Emitted color :White
2. Lens Appearance : Water Clear
3. for indoor and outdoor application.
4. Low power consumption.
5. Water and dust proof.

## ● Package dimensions



### Notes:

1. All dimensions are in millimeters.
2. Tolerance is  $\pm 0.3$ mm unless otherwise specified.
3. Lead spacing is measured where the leads emerge from the package.
4. Specifications are subject to change without notice.



## ● Absolute maximum ratings( $T_a = 25^\circ\text{C}$ )

Parameter	Symbol	Rating	Unit
Power Dissipation	$P_d$	3	W
$V_{CC}$	$V_{CC}$	13	V
Peak Forward Current* <sup>1</sup>	$I_{FP}$	500	mA
Reverse Voltage	$V_R$	10	V
Operating Temperature	$T_{opr}$	$-25^\circ\text{C} \sim 60^\circ\text{C}$	
Storage Temperature	$T_{stg}$	$-30^\circ\text{C} \sim 85^\circ\text{C}$	

\*<sup>1</sup> Condition for  $I_{FP}$  is pulse of 1/10 duty and 0.1msec width.

● Electrical and optical characteristics(Ta=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Current	$I_F$	$V_{CC}=12V$	120.....	.....	240	mA
Luminous Flux		$V_{CC}=12V$	50000.....	.....	70000	lm
Reverse Current	$I_R$	$V_R=10V$	-	-	100	$\mu A$
$\lambda$						
$\lambda$ Color Rank		$V_{CC}=12V$	X	Y	-	
$\lambda$			0.28~0.33	0.28~0.33		
Viewing Angle	$\theta_{1/2}$	$V_{CC}=12V$	80.....	.....	100	deg