

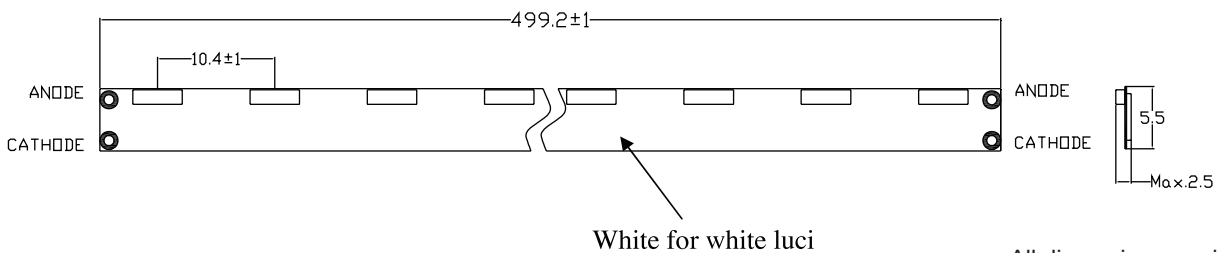
# Strip Light



## Features:

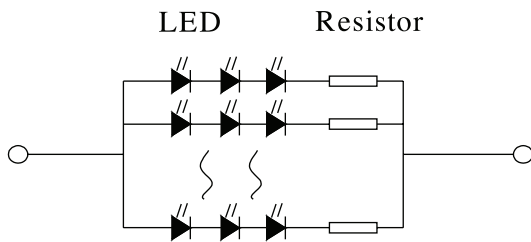
- One strip is connected by 3 units & every 3 SMDs can be cut off
- 48 SMDs divisible in 3 double-steps
- Voltage supply: 12V DC

## Package Dimensions:



All dimensions are in mm  
Tolerance:  $\pm 0.5\text{mm}$

## Circuits:



INPUT 12VDC

This Circuit has 16 parallels

## Absolute Maximum Ratings at $T_a=25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Power Dissipation	$P_D$	3.4	W
D.C. Forward Current	$I_F$	225	mA
Operating Temperature Range	$T_{opr.}$	-25 to +85	$^\circ\text{C}$
Storage Temperature Range	$T_{stg.}$	-40 to +100	$^\circ\text{C}$
Electrostatic Discharge	ESD	6,000	V
Electrostatic Discharge (ESD)	$T_{sol.}$	Dip Soldering: $260^\circ\text{C}$ for 5sec. Hand Soldering: $350^\circ\text{C}$ for 3 sec.	



## Electrical & Optical Characteristics:

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity (Per LED)	Iv	If=20mA	930	1,100		mcd
Forward Voltage (Per LED)	Vf	If=20mA	2.8		3.6	V
Forward Current	If	Vin=12V DC		160	225	mA
Viewing Angle (Per LED)	2 θ ½	If=20mA		120		deg

## Resistor Value:

Rank	Forward Voltage	Resistor (ohm)	Min.	Typ.	Max.	Unit
VF1	2.8 ~ 3.2	300	8	10	12	mA
VF2	3.2 ~ 3.6	180	6.66	10	13.33	mA

## Luminous Intensity Ranks:

(Ta=25°C)

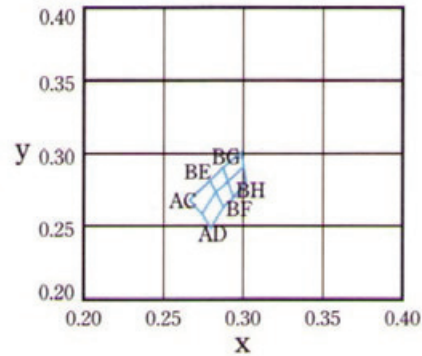
Rank		Unit:
7	930 ~ 1000	mcd
8	1,000 ~ 1,100	mcd
9	1,100 ~ 1,200	mcd
A	1,200 ~ 1,320	mcd

## Chromaticity Ranks\*4:

(Ta=25°C)

Rank	Chromaticity		Rank	Chromaticity	
	X	Y		X	Y
AC	0.273	0.259	BF	0.282	0.274
	0.266	0.268		0.29	0.281
	0.278	0.282		0.293	0.27
	0.282	0.274		0.287	0.263
AD	0.279	0.249	BG	0.287	0.291
	0.273	0.259		0.298	0.302
	0.282	0.274		0.3	0.292
	0.287	0.263		0.29	0.281
BE	0.278	0.282	BH	0.29	0.281
	0.287	0.291		0.3	0.292
	0.29	0.281		0.302	0.281
	0.282	0.274		0.293	0.27

\*4 Axial Chromaticity



## Vf Ranks:

(Ta=25°C)

Rank		Forward Voltage:
1	Vf 1	2.8 ~ 3.2
2	Vf 2	3,2 ~ 3.6

## Part Number Table

LED Chip		Correlated Colour Temperature	Part Number	
Material	Emitting Colour			
InGaN / Sapphire	White	6000 ~ 7500°K	R	703-0198

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp is the registered trademark of the Group. © Premier Farnell plc 2012.