





# COLOR CORRECTED LED<sub>s</sub>

PRODUCT LINE - TECHNICAL DATA

**wamco**  
LIGHTING

Wamco Part Series		L2021	L2031	L2032	L2033	L2030	L2027	L2034	L2035	L2040	
Appearance											
Package Size		2.4X1.8X1.6mm		2.4X1.8X1.0mm				3.8X3.4X2.3mm		3.4X3.4X1.1mm	
Luminous Intensity	$I_V$	170mcd	270mcd	710mcd	1400mcd	350mcd	700mcd	1400mcd	4500mcd	33lm(Luminous flux) 2Rank	
Initial Electrical / Optical Characteristics	Forward Voltage	Max	3.2 V	3.5 V	3.5 V	3.4 V	3.5 V	3.5 V	3.8 V	3.3 V	
		Typ	2.9 V	3.1 V	3.2 V	3.0 V	3.1 V	3.1 V	3.4 V	2.9 V	
		Min	2.6 V	2.7 V	2.8 V	2.5 V	2.7 V	2.7 V	2.9 V	2.6 V	
Forward Current	$I_F$	5 mA	10 mA	20 mA	30 mA	10 mA	20 mA	30 mA	50 mA	150 mA	
Color Chromaticity Coordinate (x, y)		Designed and color tuned per customer chromaticity target specifications for the light source alone or through the assembly.									
Absolute Maximum Ratings $T_A=25^{\circ}\text{C}$	Forward Current	$I_F$	10 mA	15 mA	30 mA	60 mA	15 mA	30 mA	35 mA	75 mA	250 mA
	Pulse Forward Current	$I_{FP}$	30 mA	30 mA	100 mA	100 mA	30 mA	100 mA	100 mA	280 mA	350 mA
	Reverse Voltage	$V_R$	—	—	—	—	—	—	—	—	—
	Allowable Reverse Current	$I_R$	85 mA	85 mA	85 mA	85 mA	85 mA	85 mA	85 mA	85 mA	85 mA
	Power Dissipation	$P_D$	32 mW	53 mW	105 mW	170 mW	53 mW	105 mW	133 mW	247 mW	875 mW
	Operating Temperature	$T_{OPR}$	-40 ~ 100 °C	-40 ~ 110 °C	-40 ~ 110 °C	-40 ~ 110 °C	-40 ~ 110 °C	-40 ~ 110 °C	-40 ~ 110 °C	-40 ~ 110 °C	-40 ~ 100 °C
	Storage Temperature	$T_{STG}$	-40 ~ 100 °C	-40 ~ 110 °C	-40 ~ 110 °C	-40 ~ 110 °C	-40 ~ 110 °C	-40 ~ 110 °C	-40 ~ 110 °C	-40 ~ 110 °C	-40 ~ 100 °C
	Dice Temperature	$T_J$	110 °C	125 °C	125 °C	125 °C	125 °C	125 °C	125 °C	125 °C	150 °C
Packaging (Qty/Reel)		3000 pcs	6000 pcs	6000 pcs	6000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	5000 pcs	
Installation Method(s)		Reflow Soldering and Hand Soldering									
Notes		RoHS Compliant and Pb-free Soldering Capable									
Target Applications		Instrument Panel, Switch and Interior Lighting									

\* Luminous intensity values are for reference only and are dependent upon color chromaticity. For more information please contact our sales representative.

