





Electrical Optical Characteristics at Ta=25

Parameter	Symbol	Color	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v	R	35	---	55	mcd	I _F =5mA
		G	200	---	260	mcd	I _F =5mA
		B	45	---	65	mcd	I _F =5mA
Viewing Angle	$\theta_{1/2}$	/	---	120	---	Deg.	(Note 2)
Peak Emission Wavelength		R	---	635	---	nm	I _F =5mA
		G	---	515	---	nm	I _F =5mA
		B	---	465	---	nm	I _F =5mA
Dominant Wavelength		R	620	---	630	nm	I _F =5mA
		G	520	---	530	nm	I _F =5mA
		B	465	---	475	nm	I _F =5mA
Spectral Line Half-Width	Δ	R	---	15	---	nm	I _F =5mA
		G	---	30	---	nm	I _F =5mA
		B	---	30	---	nm	I _F =5mA
Forward Voltage	V _F	R	1.7	---	2.1	V	I _F =5mA
		G	2.6	---	3.2	V	I _F =5mA
		B	2.6	---	3.2	V	I _F =5mA
Reverse Current	I _R	---	---	---	10	μA	V _R =5V



Note:

- Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve. Tolerance of Luminous Intensity: ±15%.
- $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- single wavelength which defines the color of the device. Tolerance of Dominant Wavelength: ±1.0nm.
- Tolerance of Forward Voltage: ±0.1V.



Label Explanation

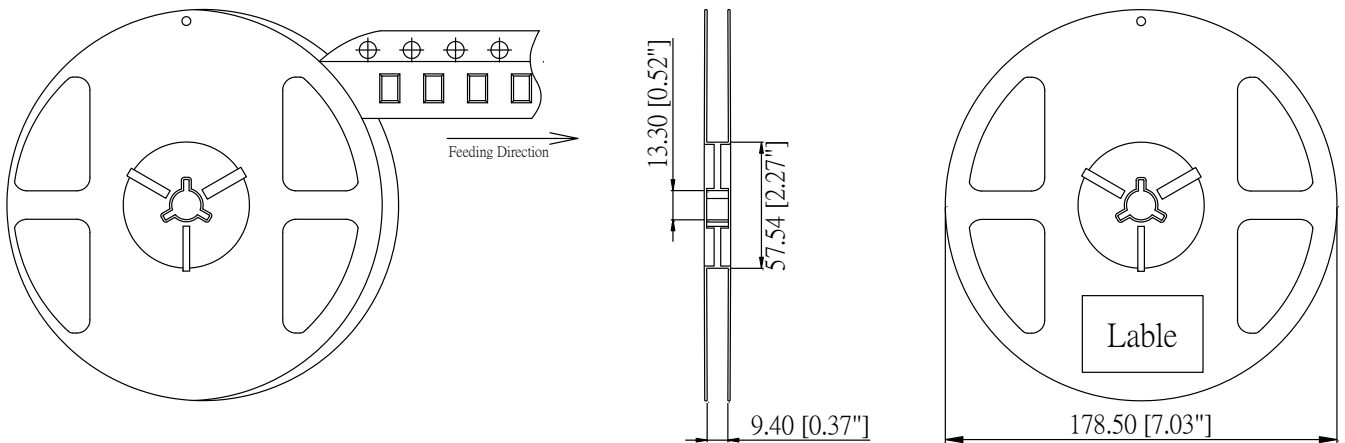
LIGHT Universal Label

LIGHT		
Light Electronics CO., LTD.		
MODEL NAME:	_____	 <small>LOT NO.</small>
QUANTITY:	_____	
BIN:	_____	
PACKING DATE:	_____	
REMARKS:	_____	

Customer Defined Label



Reel Dimensions



Note: Tolerance unless mentioned is $\pm 0.2\text{mm}$; Unit = mm

