

PRODUCT SPECIFICATION

Customer: Lumitronix

Part NO: DX-5013RGB-C

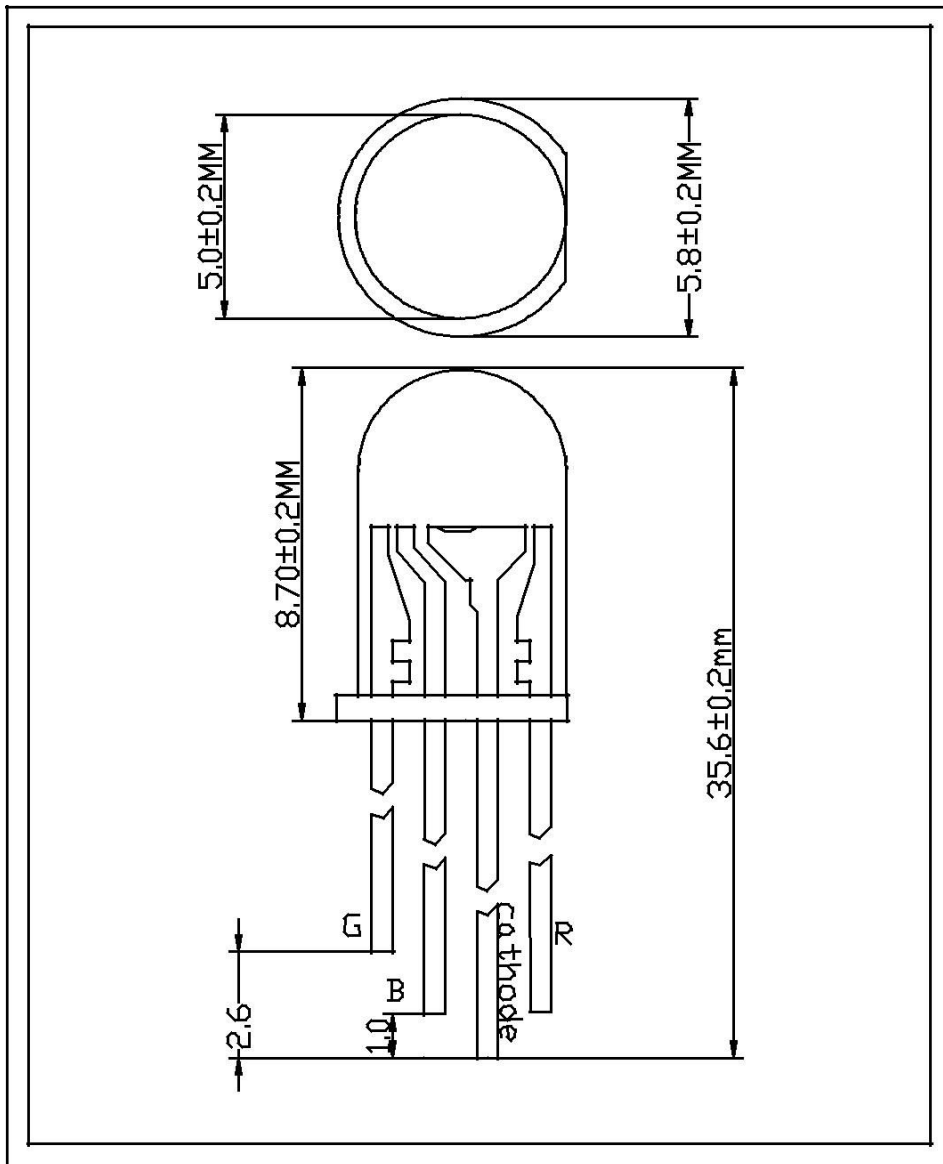
Specification: 5mm RGB Common Cathode

Prepared by: _____

Approved: _____

Date: _____

Customer confirmation: _____

Package Dimensions:**Unit: 5mm**

Model	Lens	Source Color
DX-5013RGB-C	Water Clear	G B R

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25 mm (.010") unless otherwise noted.
3. Protruded resin under flange is 1.0mm (.04") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice.

Absolute Maximum Ratings at Ta=25°C

Parameter	MAX.	Unit
Reverse Current ($V_R = 5V$)	10	uA
Peak Current	100	mA
Operating / Storage temperature range	-30°C ~ +85°C	
Dreading Linear From 25°C	0.4	mA / °C
Lead Soldering Temperature	260°C for 3 Seconds	

Electrical Optical Characteristics at Ta=25°C

Red Color :

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	V_f	---	1.88	2.2	V	$I_f=20mA$
Luminous Intensity	I_v	2000	3000	---	mcd	$I_f=20mA$
Half intensity angle	θ	---	25	---	Deg	
Peak Emission Wavelength	λ_p	---	620	630	nm	

Green Color

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	V_f	---	3.0	3.5	V	$I_f=20mA$
Luminous Intensity	I_v	4000	5000	---	mcd	$I_f=20mA$
Half intensity angle	θ	---	25	---	Deg	
Peak Emission Wavelength	λ_p	515	520	525	nm	

Blue Color

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	V_f	---	3.0	3.5	V	$I_f=20mA$
Luminous Intensity	I_v	2000	3000	---	mcd	$I_f=20mA$
Half intensity angle	θ	---	25	---	Deg	
Peak Emission Wavelength	λ_p	---	460	470	nm	

*All specs and applications shown above subject to change without prior notice.