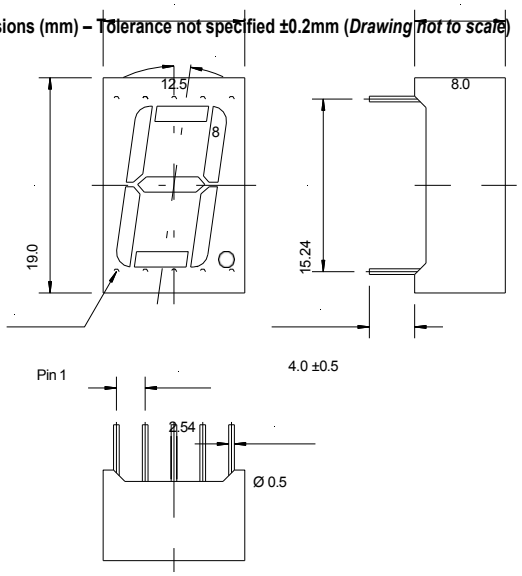
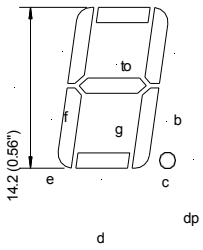
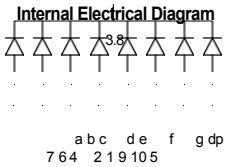
Series – 0.56" – Common Cathode

Mechanical Dimensions (mm) – Tolerance not specified ±0.2mm (*Drawing not to scale*)





Internal Electrical Diagram



Features:

- Lead-free
- Standard finish: White resin and gray face color.
- Suitable for general signage
- Wide field of view
- Fast response to activation (ns)
- Low electrical current consumption
- Long service life, with low maintenance costs

Absolute Maximum Ratings (T_{AMB} = 25 °C)

Reverse Voltage (V_R)	5V
Forward Current (I_F)	30mA
Peak Current (I_{FP}) <1KHz, Operating Cycle 1:10>	100mA
Power Dissipation (P_D)	60mW
Current Curve x Ambient Temperature	-0.4mA/°C
Storage Temperature	-30 to +90 °C
Operating temperature	-20 to +80 °C
Soldering temperature (1.6 mm – 3 seconds)	260

*** Characteristics per applied diode.**

Opto-electrical characteristics (T_{AMB} = 25 °C, I_F = 20mA)

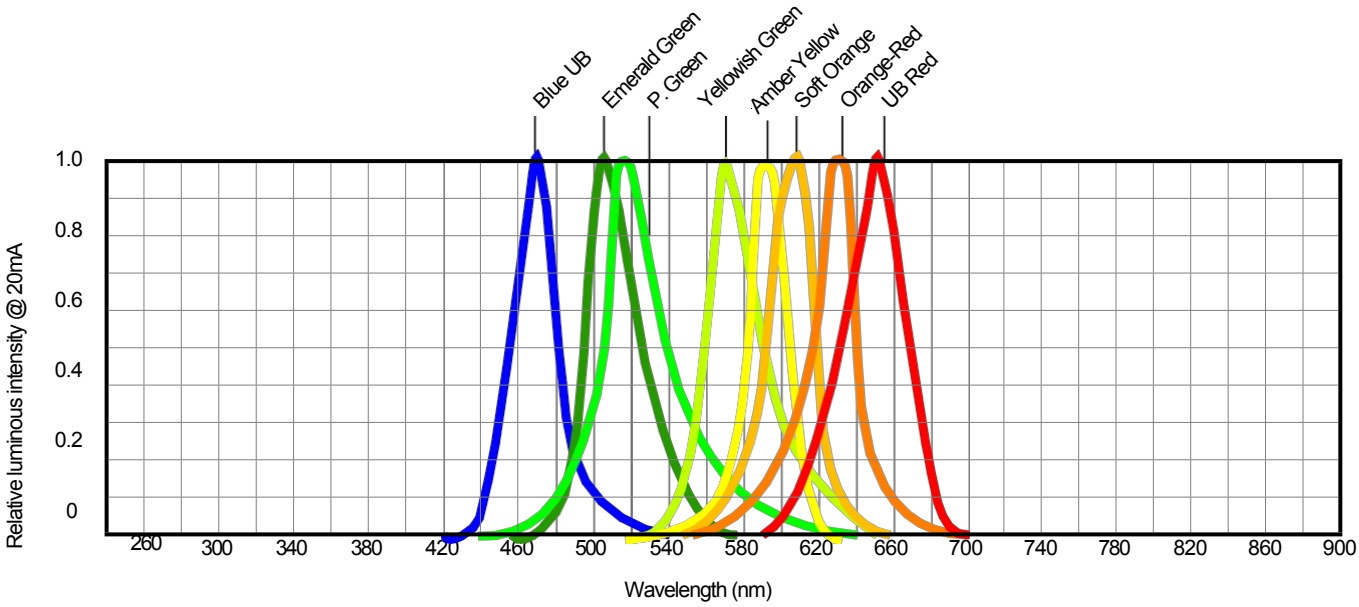
Code	Emitted light (color)	Tech.	λ_P (nm)	V_F (V)		I_V (mcd)	
				Typ.	Max	Min	Typ.
D148k	Yellowish green	GaP	568	2.2	2.6	4	8
D198k	Orange-Red	GaAsP	632	2.0	2.4	2	6
D168k	Red U. Bright	AlGaAs	648	1.8	2.4	2	8
D1X8k -14BL	Ultra Bright Blue	InGaN	470	3.2	3.6	20	30

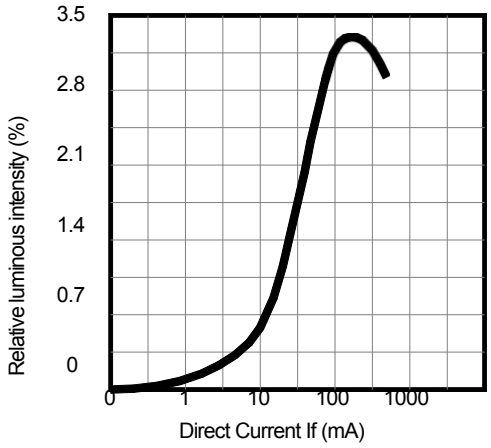
*** Characteristics per applied diode.**

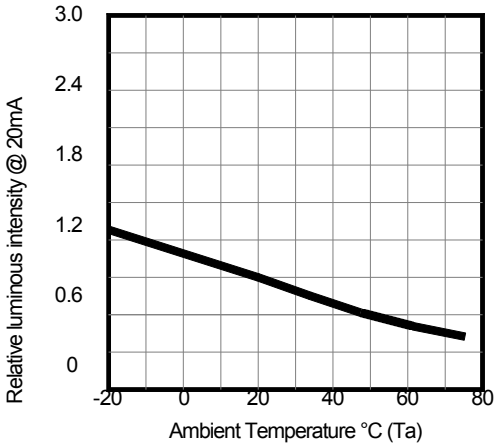
*** For other versions or colors, consult the factory.**

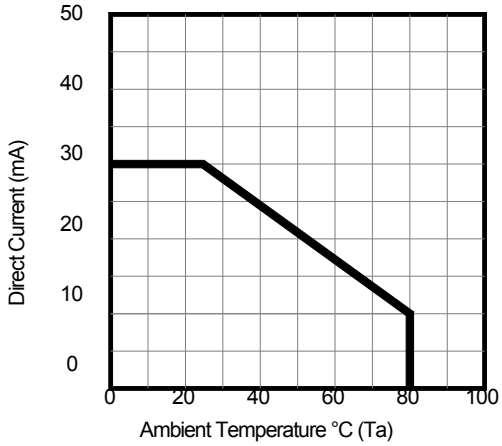
Rua Pereiro, 17 – Vila Nova Cumbica – Guarulhos / SP – Brazil – ZIP Code: 07231-415. Tel. (11) 2462-2100 / Fax (11) 2462-2111 E-mail:cromatek@cromatek.com.br Website: www.cromatek.com.br

Electro-Optical Curves:









Doc. No.	Revision	Author / Department	Date
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