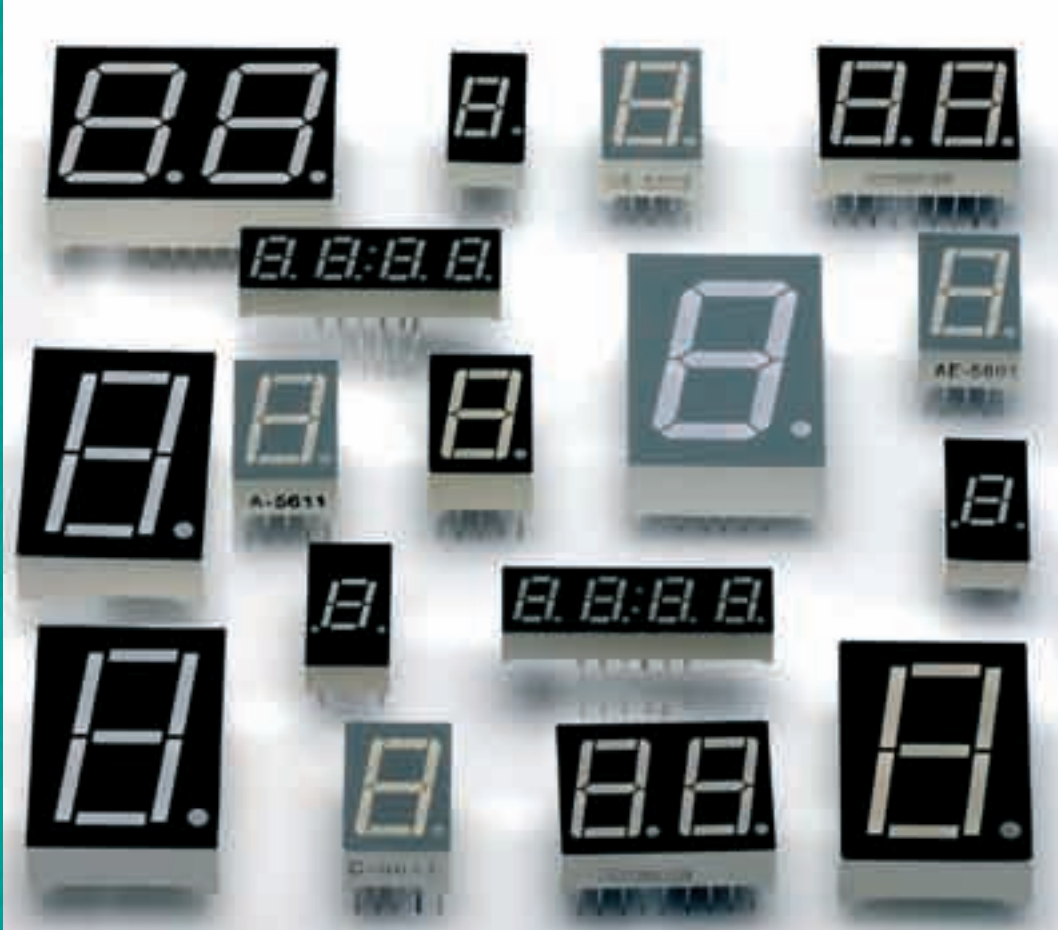


## Product Profile

- **7-Segment Displays**
  - Single Digit - Single Colour
  - Dual Digit - Single Colour
  - Single Digit - Multi Colour
  - Alpha Numeric
- **Dot Matrix Displays**
  - Single Colour
- **LED Bulbs**
  - Display Bulbs
  - Colour Bulbs
- **Display Panels**
  - LED Display Panels
  - LED Display Screens



# nxt

## LED Displays, Bulbs and Panels

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## Product Range

- **Light Emitting Diodes (LEDs)**
- **7-Segment Displays**
- **Dot Matrix Displays**
- **LED Bulbs**
- **LED Display Panels**
- **Electrolytic Capacitors**

[www.cdilsemi.com](http://www.cdilsemi.com)



## LED Displays

LED displays are packages of many LEDs arranged in a pattern, the most familiar pattern being the 7-segment displays for showing numbers (digits 0-9) and alpha numeric characters (0-9, a-z, A-Z and signs).

For pin connections of LED Displays please refer to the respective Data Sheet. The pin configurations are — Common Anode with all the LED anodes connected together or Common Cathode with all the cathodes connected together. Industry standard Display Drivers are compatible with the LED Displays.

## 7-Segment Displays, Single Digit

**Digit Size: 7.4 ~ 101.6 in mm / (0.30 ~ 1.80 in inch)**

Colour	Peak Wavelength nm	Part Number Series	Typ Range of Iv/SEG at 20mA (µcd)
Red	700	110301R ~ 111501R	1 ~ 2.4
		(120301R ~ 121501R)	
Orange	630	1103010 ~ 1140020	4
		(1203010 ~ 1240020)	
Ultra-Bright Red	660	110301K ~ 114002K	12
Yellow Green	565	110301G ~ 114002G	5
		(120301G ~ 124002G)	
Yellow	585	110301Y ~ 114002Y	4
		(120301Y ~ 124002Y)	

## 7-Segment Displays, Dual Digit

**Digit Size: 6.2 ~ 14.2 in mm / (0.25 ~ 0.56 in inch)**

Colour	Peak Wavelength nm	Part Number Series	Typ Range of Iv/SEG at 20mA (µcd)
Red	700	210301R ~ 410562R	1
		(220301R ~ 420562R)	
Orange	630	2103010 ~ 4105610	4
		(2203010 ~ 4205620)	
Ultra-Bright Red	660	210301K ~ 410561K	12
Yellow Green	565	210301G ~ 410561G	5
		(220301G ~ 420562G)	
Yellow	585	210301Y ~ 410561Y	4
		(220301Y ~ 420562Y)	

## 7-Segment Displays, Multi Colour

**Digit Size: 25.4 ~ 56.8 in mm / (1.00 ~ 2.30 in inch)**

Colour	Peak Wavelength nm	Part Number Series	Typ Range of Iv/SEG at 20mA (µcd)
Orange	630	1110030G ~ 1123030G	8 ~ 16
Yellow Green	565	(1210030G ~ 1223030G)	10 ~ 20

This Selection Guide contains a representative list of our comprehensive range with some of their critical specifications. This Selection Guide is in no way exhaustive. CDIL's sales team invites request for product information and/or detailed specifications. We are constantly expanding our range of products and support, in line with global requirements. These products are not designed for use in life saving/support appliances or systems.

**Components Disposal Instructions:** All products are RoHS compliant. Customers are requested to please dispose as per prevailing Environmental Legislation of their Country. In Europe, please dispose as per EU Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).

## Dot Matrix Displays, Single Colour

**Dot Diameter (in mm): 1.9 ~ 5**

**Dot to Dot pitch: 2.54 ~ 7.62**

**Matrix Size: 5 x 7; 5 x 8; 8 x 8 dots**

Colour	Peak Wavelength nm	Config	Part Number Series	Typ Range of Iv/SEG at 20mA (µcd)
Orange	630	A	5702110 ~ 8805120	2.5 ~ 4
		B	5702210 ~ 8805220	
Ultra-Bright Red	660	A	570211K ~ 880512K	7.5 ~ 12
		B	570221K ~ 880522K	
Yellow Green	565	A	570211G ~ 880512G	3 ~ 5
		B	570221G ~ 880522G	
Yellow	585	A	570211Y ~ 880512Y	2.5 ~ 4
		B	570221Y ~ 880522Y	

Config A Row Common Cathode  
Column Common Anode  
Config B Row Common Anode  
Column Common Cathode

## LED Display Bulbs, Colour Changing

Model No	Power Consumption	Outer Chimney Diameter	LEDs per Bulb	Rated Voltage
DB12	1W	50, 60, 70, 100	Set of 12	110/220V
DB18	1.5W	50, 60, 70, 100	Set of 18	110/220V



## LED Colour Bulbs

Model No	Power Consumption	Outer Chimney Diameter	LEDs per Bulb	Rated Voltage
CB12	1W	48 x 78	Set of 12	110/220V
CB18	1.5W	48 x 78	Set of 18	110/220V



## LED Display Panels and Screens

Effective energy saving substitutes for neon signs, the LED Display Panels and Decorative Lighting can be configured as per application with a wide spectrum of features. Simple basic displays with drivers to intelligent displays with the use of microprocessor controls are feasible.

