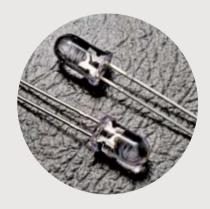
High Brightness LEDs - Round







FEATURES

APPLICATIONS

Size (mm):

Color and Typical Dominant Wavelength (nm):

Amber: (591) Blue: (470)Green: (527) (624) Red: White

Viewing Angle:

15°, 23°, 30° 25° 503: 512: 55° 513: 535: 110°

Luminous Intensity (mcd):

<u>503</u> 3000~23500 ►Amber: ▶Blue: 2130~23500 ▶Green: 5860~64600 ▶Red: 3000~23500 ▶White: 14400~32900

513

▶White: 2130~8200

535 ▶White:

770~3000

Lead-Free

RoHS Compliant

Amusement

- Pachinko
- Slot machine Pin ball machine
- Gaming machine
- **Electronic Signs & Signals (ESS)**
 - Full color video screen
 - Motorway sign
 - Variable-message sign (VMS)
 - Advertising sign
 - Bus sign
 - Petrol sign
 - Traffic signal

Illumination

- Torch
- Light strip
- Channel letter
- Backlight for mobile devices
- Retail display lighting

Round LED



Typical Electrical - Optical Characteristics

Round	Part Number	Color	Size	Viewing Angle	Leads with Stoppers	Intensity(mcd)			Dominant Wavelength(nm)			Forward Voltage	
						min	typ	max	min	typ	max	typ	max
503	C503B-AAN	Amber	5	15	No	5860	13000	23500	584	591	596	2.1	2.6
	C503B-AAS	Amber	5	15	Yes	5860	13000	23500	584	591	596	2.1	2.6
	C503B-ABN	Amber	5	23	No	3000	5000	12000	584	591	596	2.1	2.6
	C503B-ABS	Amber	5	23	Yes	3000	5000	12000	584	591	596	2.1	2.6
	C503B-ACN	Amber	5	30	Yes	3000	5000	8200	584	591	596	2.1	2.6
	C503B-ACS	Amber	5	30	Yes	3000	5000	8200	584	591	596	2.1	2.6
	C503B-BAN	Blue	5	15	No	5860	11000	23500	465	470	480	3.2	4.0
	C503B-BAS	Blue	5	15	Yes	5860	11000	23500	465	470	480	3.2	4.0
	C503B-BCN	Blue	5	30	No	2130	4100	8200	465	470	480	3.2	4.0
	C503B-BCS	Blue	5	30	Yes	2130	4100	8200	465	470	480	3.2	4.0
	C503B-GAN	Green	5	15	No	16800	34000	64600	520	527	535	3.2	4.0
	C503B-GAS	Green	5	15	Yes	16800	34000	64600	520	527	535	3.2	4.0
	C503B-GCN	Green	5	30	No	5860	12500	23500	520	527	535	3.2	4.0
	C503B-GCS	Green	5	30	Yes	5860	12500	23500	520	527	535	3.2	4.0
	C503B-RAN	Red	5	15	No	5860	12000	23500	618	624	630	2.1	2.6
	C503B-RAS	Red	5	15	Yes	5860	12000	23500	618	624	630	2.1	2.6
	C503B-RBN	Red	5	23	No	3000	5000	12000	618	624	630	2.1	2.6
	C503B-RBS	Red	5	23	Yes	3000	5000	12000	618	624	630	2.1	2.6
	C503B-RCN	Red	5	30	No	3000	5100	12000	618	624	630	2.1	2.6
	C503B-RCS	Red	5	30	Yes	3000	5100	12000	618	624	630	2.1	2.6
	C503B-WAN	White	5	15	No	14400	18000	32900				3.2	4.0
	C503C-WAN	White	5	15	No	16800	24000	32900				3.2	4.0
	C503C-WAS	White	5	15	Yes	16800	24000	32900				3.2	4.0
513	C513A-WSN	White	5	55	No	2130	4000	8200				3.2	4.0
	C513A-WSS	White	5	55	Yes	2130	4000	8200				3.2	4.0
535	C535A-WJN	White	5	110	No	770	1400	3000				3.2	4.0

Part number will be subject to change without notice. www.cree.com