

# High Brightness LEDs - Oval



## FEATURES

## APPLICATIONS

### ■ Size (mm):

- ▶ 4 and 5

### ■ Color and Typical Dominant Wavelength (nm):

- ▶ Amber: (591)
- ▶ Blue: (470)
- ▶ Green: (527)
- ▶ Red: (621,624,628)

### ■ Viewing Angle:

- ▶ 4SM: 100\*45, 105\*45
- ▶ 5SM: 100\*35, 110\*50
- ▶ 566: 65\*35

### ■ Luminous Intensity (mcd):

- 4SM
- ▶ Blue: 390~2130
  - ▶ Green: 1100~8200
  - ▶ Red: 550~4180

- 5SM
- ▶ Amber: 390~3000
  - ▶ Blue: 200~2130
  - ▶ Green: 1100~8200
  - ▶ Red: 280~4180

- 566
- ▶ Amber: 770~4180
  - ▶ Blue: 770~4180
  - ▶ Green: 2130~12000
  - ▶ Red: 1100~4180

### ■ Lead-Free

### ■ RoHS Compliant

### ■ Electronic Signs & Signals (ESS)

- ▶ Full color video screen
- ▶ Motorway sign
- ▶ Variable-message sign (VMS)
- ▶ Advertising sign
- ▶ Bus sign
- ▶ Petrol sign



## Typical Electrical - Optical Characteristics

Oval	Part Number	Color	Size	Viewing Angle	Leads with Stoppers	Intensity(mcd)			Dominant Wavelength(nm)			Forward Voltage		
						min	typ	max	min	typ	max	typ	max	
4SM	C4SME-RJS	Red	4	100x45	Yes	770	1100	2130	619	621	624	2.1	2.6	
	C4SMF-BJS	Blue	4	100x45	Yes	550	1000	2130	460	470	475	3.4	4.0	
	C4SMF-GJS	Green	4	100x45	Yes	2130	4000	8200	520	527	535	3.4	4.0	
	C4SMF-RJS	Red	4	100x45	Yes	1100	1900	4180	619	621	624	2.1	2.6	
	C4SMG-BJS	Blue	4	105x45	Yes	390	900	1520	460	470	475	3.4	4.0	
	C4SMG-GJS	Green	4	105x45	Yes	1100	2200	4180	520	527	535	3.4	4.0	
	C4SMG-RJS	Red	4	105x45	Yes	550	1100	2130	619	621	624	2.1	2.6	
	5SM	C5SMA-RJS	Red	5	110x50	Yes	280	450	770	620	624	628	2.0	2.5
C5SMB-AJS		Amber	5	110x50	Yes	390	600	1100	584	591	596	2.3	2.6	
C5SMB-BJS		Blue	5	110x50	Yes	200	350	770	465	470	475	3.4	4.0	
C5SMB-GJS		Green	5	110x50	Yes	1100	1750	3000	520	527	535	3.4	4.0	
C5SMB-RJS		Red	5	110x50	Yes	390	750	1100	620	628	635	2.3	2.6	
C5SME-RJS		Red	5	100x35	Yes	770	1100	2130	619	621	624	2.1	2.6	
C5SMF-AJS		Amber	5	100x35	Yes	770	2100	3000	584	591	596	2.1	2.6	
C5SMF-BJS		Blue	5	100x35	Yes	550	1100	2130	460	470	475	3.4	4.0	
C5SMF-GJS		Green	5	100x35	Yes	2130	4400	8200	520	527	535	3.4	4.0	
C5SMF-RJS		Red	5	100x35	Yes	1100	2200	4180	619	621	624	2.1	2.6	
566		C566C-AFN	Amber	5	65x35	No	1520	2500	4180	584	591	596	2.1	2.6
		C566C-AFS	Amber	5	65x35	Yes	1520	2500	4180	584	591	596	2.1	2.6
		C566C-BFN	Blue	5	65x35	No	770	1500	4180	460	470	475	3.4	4.0
	C566C-BFS	Blue	5	65x35	Yes	770	1500	4180	460	470	475	3.4	4.0	
	C566C-GFN	Green	5	65x35	No	2130	5200	12000	520	527	535	3.4	4.0	
	C566C-GFS	Green	5	65x35	Yes	2130	5200	12000	520	527	535	3.4	4.0	
	C566C-RFN	Red	5	65x35	No	1100	2200	4180	619	621	624	2.1	2.6	
	C566C-RFS	Red	5	65x35	Yes	1100	2200	4180	619	621	624	2.1	2.6	

Part number will be subject to change without notice.  
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