

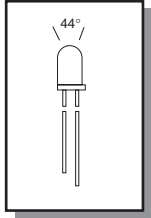
## STANDARD

For suitable mountings see pages 297-298



5mm

Case & Viewing Angle



### COLOURED-DIFFUSED

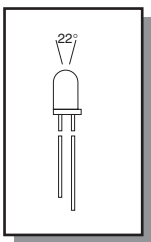
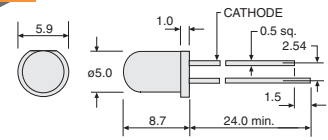
Colour	Emitted Brightness	Lens Colour	Typ. Luminous Intensity (I <sub>F</sub> = 20mA) mcd
Red	High	red-diffused	4.1
Red	Ultra	red-diffused	23.1
Orange	Ultra	orange-diffused	23.1
Amber	Ultra	amber-diffused	23.1
Yellow	Ultra	yellow-diffused	16.4
Green	Ultra	green-diffused	20

Manf. Part No. & Anglia Order Code

**EXPANDED RANGE**

**LHR53D**  
**LUR53D**  
**LUO53D**  
**LUA53D**  
**LUY53D**  
**LUG53D**

Dimensions (mm)



### COLOURED-CLEAR

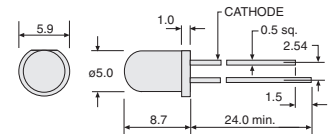
Red	Ultra	red-clear	78.8
Yellow	Ultra	yellow-clear	55.8
Green	Ultra	green-clear	68.1

### WATER-CLEAR

Red	Ultra	water-clear	78.8
Yellow	Ultra	water-clear	55.8
Green	Ultra	water-clear	68.1

**LUR53C**  
**LUY53C**  
**LUG53C**

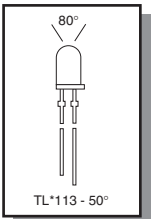
**LUR53W**  
**LUY53W**  
**LUG53W**



5mm

**TOSHIBA**

Case & Viewing Angle



### COLOURED-DIFFUSED with stand-offs

Red	Normal	red-diffused	3
Yellow	Normal	yellow-diffused	6
Green	Normal	green-diffused	8

### COLOURED-CLEAR with stand-offs

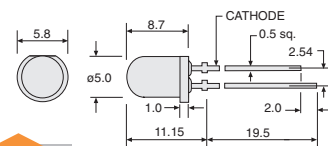
Red	Normal	red-clear	7
Yellow	Normal	yellow-clear	20
Green	Normal	green-clear	30

Manf. Part No. & Anglia Order Code

**TLR114A**  
**TLY114A**  
**TLG114A**

**TLR113A**  
**TLY113A**  
**TLG113A**

Dimensions (mm)



**NEW**

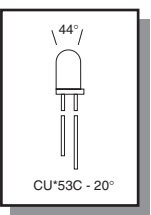
## LOW CURRENT

For suitable mountings see pages 297-298



5mm

Case & Viewing Angle



### COLOURED-DIFFUSED

Colour	Emitted Brightness	Lens Colour	Typ. Luminous Intensity (I <sub>F</sub> = 2mA) mcd
Red	Ultra	red-diffused	2.6
Yellow	Ultra	yellow-diffused	1.8
Green	Ultra	green-diffused	2.2

### COLOURED-CLEAR

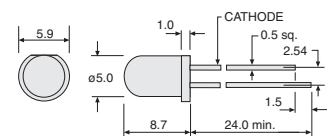
Red	Ultra	red-clear	9.0
Yellow	Ultra	yellow-clear	6.0
Green	Ultra	green-clear	7.5

Manf. Part No. & Anglia Order Code

**CUR53D**  
**CUY53D**  
**CUG53D**

**CUR53C**  
**CUY53C**  
**CUG53C**

Dimensions (mm)



**NEW**



**HIGH BRIGHT**

For suitable mountings see pages 297-298



5mm

Case & Viewing Angle

Emitted Colour Brightness

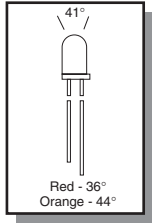
Lens Colour

Peak Wavelength nm

Typ. Luminous Intensity (I<sub>F</sub> = 20mA) mcd

Manf. Part No. & Anglia Order Code

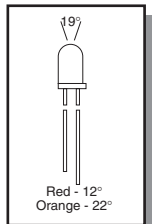
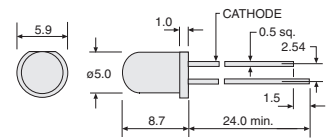
Dimensions (mm)



**COLOURED-DIFFUSED**

Red	Mega	red-diffused	660	96
Red	Mega	red-diffused	660	300
Red	Mega	red-diffused	660	600
Orange	Mega	orange-diffused	621	330
Yellow	Mega	yellow-diffused	593	424
Green	Mega	green-diffused	567	96

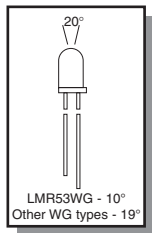
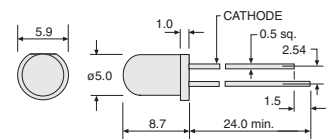
**LMR53DB**  
**LMR53DC**  
**LMR53DE**  
**LMO53DE**  
**LMY53DE**  
**LMG53D**



**WATER-CLEAR**

Red	Mega	water-clear	660	286
Red	Mega	water-clear	660	1000
Red	Mega	water-clear	660	2000
Orange	Mega	water-clear	621	1100
Yellow	Mega	water-clear	593	1040
Yellow	Mega	water-clear	593	1400
Green	Mega	water-clear	567	500

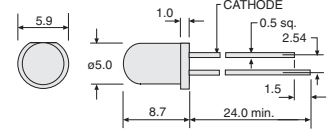
**LMR53WB**  
**LMR53WC**  
**LMR53WE**  
**LMO53WE**  
**LMY53WC**  
**LMY53WE**  
**LMG53W**



**WATER-CLEAR**

Red	Mega	water-clear	632	2000
Red	Mega	water-clear	632	1600
Orange*	Mega	water-clear	621	2060
Orange	Mega	water-clear	621	2060
Yellow	Mega	water-clear	593	1515
Yellow	Mega	water-clear	593	2110

**LMR53WF**  
**LMR53WG**  
**LMO53WF**  
**LMO53WG**  
**LMY53WF**  
**LMY53WG**



\* projects no 'ghost ring'

5mm

**TOSHIBA**

Case & Viewing Angle

Emitted Colour Brightness

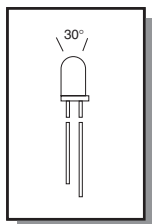
Lens Colour

Peak Wavelength nm

Min. Luminous Intensity (I<sub>F</sub> = 20mA) mcd

Manf. Part No. & Anglia Order Code

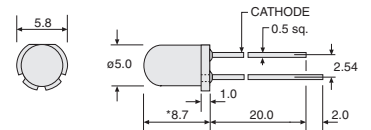
Dimensions (mm)



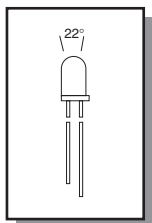
**WATER-CLEAR**

Red	Mega	water-clear	644	163
Red	Mega	water-clear	644	272
Red	Mega	water-clear	623	272
Orange	Mega	water-clear	612	272
Orange	Mega	water-clear	612	476
Yellow	Mega	water-clear	590	272
Yellow	Mega	water-clear	590	476
Yellow-Green	Mega	water-clear	574	272
Pure-Green	Mega	water-clear	562	85

**TLRE156AP**  
**TLRH156P**  
**TLSH156P**  
**TLOE156AP**  
**TLOH156P**  
**TLYE156AP**  
**TLYH156P**  
**TLGE158P**  
**TLPGE158P**



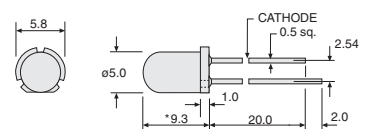
\* Yellow-Green & Pure Green 8.0



**WATER-CLEAR**

Red	Mega	water-clear	644	272
Red	Mega	water-clear	623	476
Red	Mega	water-clear	644	476
Red	Mega	water-clear	623	850
Orange	Mega	water-clear	612	476
Orange	Mega	water-clear	612	850
Yellow	Mega	water-clear	590	476
Yellow	Mega	water-clear	590	850
Yellow-Green	Mega	water-clear	574	476
Pure-Green	Mega	water-clear	562	159

**TLRE157AP**  
**TLSE157P**  
**TLRH157P**  
**TLSH157P**  
**TLOE157AP**  
**TLOH157P**  
**TLYE157AP**  
**TLYH157P**  
**TLGE159P**  
**TLPGE159P**



\* Yellow-Green & Pure Green 9.55

5mm LEDs continued overleaf > > >

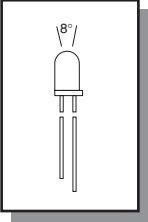


## HIGH BRIGHT (cont.)

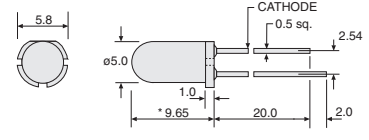
For suitable mountings see pages 297-298

5mm

**TOSHIBA**

Case & Viewing Angle	Emitted Colour	Brightness	Lens Colour	Peak Wavelength nm	Min. Luminous Intensity (I <sub>F</sub> = 20mA) mcd	Manf. Part No. & Anglia Order Code
	<b>WATER-CLEAR</b>					
	Red	Mega	water-clear	644	850	<b>TLRE180AP</b>
	Red	Mega	water-clear	644	1530	<b>TLRH180P</b>
	Red	Mega	water-clear	623	2720	<b>TLSH180P</b>
	Orange	Mega	water-clear	612	1530	<b>TLOE180AP</b>
	Orange	Mega	water-clear	612	2720	<b>TLOH180P</b>
	Yellow	Mega	water-clear	590	1530	<b>TYLE180AP</b>
	Yellow	Mega	water-clear	590	2720	<b>TYLH180P</b>
	Yellow-Green	Mega	water-clear	574	1530	<b>TLGE183P</b>
	Pure-Green	Mega	water-clear	562	476	<b>TLPE183P</b>

**EXPANDED RANGE**



## BI-COLOUR

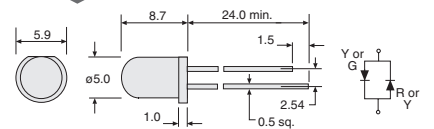
For suitable mountings see pages 297-298

5mm

**TITAN OPTO**

Case & Viewing Angle	Emitted Colour	Brightness	Lens Colour	Typ. Luminous Intensity (I <sub>F</sub> = 20mA) mcd	Manf. Part No. & Anglia Order Code
	<b>WHITE-DIFFUSED</b>				
	Yellow/Red	Ultra	white-diffused	7.0/9.7	<b>LUYR58M</b>
	Green/Red	Ultra	white-diffused	8.3/9.7	<b>LUGR58M</b>
	Green/Yellow	Ultra	white-diffused	8.3/7.0	<b>LUGY58M</b>

**EXPANDED RANGE**



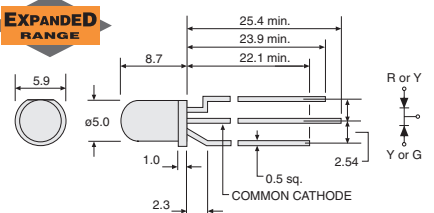
## TRI-COLOUR

5mm

**TITAN OPTO**

Case & Viewing Angle	Emitted Colour	Brightness	Lens Colour	Typ. Luminous Intensity (I <sub>F</sub> = 20mA) mcd	Manf. Part No. & Anglia Order Code
	<b>WHITE-DIFFUSED</b>				
	Yellow/Red	Ultra	white-diffused	8.3/11.7	<b>LUYR59M</b>
	Green/Red	Ultra	white-diffused	10.1/11.7	<b>LUGR59M</b>
	Green/Yellow	Ultra	white-diffused	10.1/8.3	<b>LUGY59M</b>

**EXPANDED RANGE**



## FLASHING

For suitable mountings see pages 297-298

5mm

**TITAN OPTO**

Case & Viewing Angle	Emitted Colour	Brightness	Lens Colour	Typ. Luminous Intensity (V <sub>S</sub> = 5V) mcd	Manf. Part No. & Anglia Order Code
	<b>COLOURED-DIFFUSED</b>				
	Red	High	red-diffused	1.3	<b>BHR53D</b>
	Red	Mega	red-diffused	24	<b>BMR53D</b>
	Yellow	Ultra	yellow-diffused	5.5	<b>BUY53D</b>
	Green	Ultra	green-diffused	4.4	<b>BUG53D</b>

**EXPANDED RANGE**

