

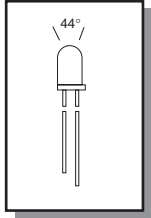
STANDARD

For suitable mountings see pages 297-298



5mm

Case & Viewing Angle



COLOURED-DIFFUSED

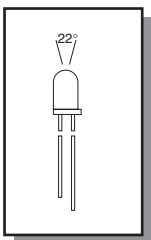
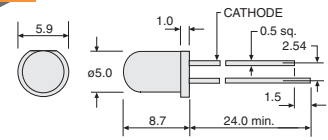
Colour	Emitted Brightness	Lens Colour	Typ. Luminous Intensity (I _F = 20mA) mcd
Red	High	red-diffused	4.1
Red	Ultra	red-diffused	23.1
Orange	Ultra	orange-diffused	23.1
Amber	Ultra	amber-diffused	23.1
Yellow	Ultra	yellow-diffused	16.4
Green	Ultra	green-diffused	20

Manf. Part No. & Anglia Order Code

EXPANDED RANGE

LHR53D
LUR53D
LUO53D
LUA53D
LUY53D
LUG53D

Dimensions (mm)



COLOURED-CLEAR

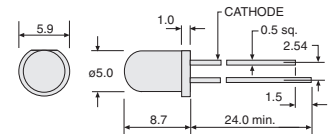
Red	Ultra	red-clear	78.8
Yellow	Ultra	yellow-clear	55.8
Green	Ultra	green-clear	68.1

WATER-CLEAR

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

LUR53C
LUY53C
LUG53C

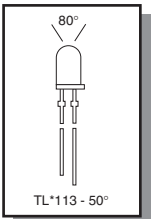
LUR53W
LUY53W
LUG53W



5mm

TOSHIBA

Case & Viewing Angle



COLOURED-DIFFUSED with stand-offs

Colour	Emitted Brightness	Lens Colour	Typ. Luminous Intensity (I _F = 15mA) mcd
Red	Normal	red-diffused	3
Yellow	Normal	yellow-diffused	6
Green	Normal	green-diffused	8

COLOURED-CLEAR with stand-offs

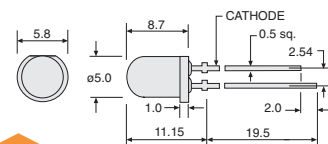
Red	Normal	red-clear	7
Yellow	Normal	yellow-clear	20
Green	Normal	green-clear	30

Manf. Part No. & Anglia Order Code

TLR114A
TLY114A
TLG114A

TLR113A
TLY113A
TLG113A

Dimensions (mm)



NEW

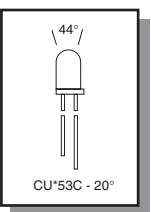
LOW CURRENT

For suitable mountings see pages 297-298



5mm

Case & Viewing Angle



COLOURED-DIFFUSED

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

COLOURED-CLEAR

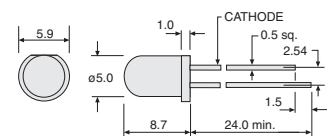
Red	Ultra	red-clear	9.0
Yellow	Ultra	yellow-clear	6.0
Green	Ultra	green-clear	7.5

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

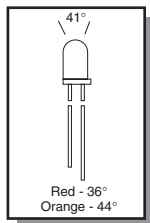
Lens Colour

Peak Wavelength nm

Typ. Luminous Intensity (I_F = 20mA) mcd

Manf. Part No. & Anglia Order Code

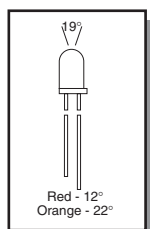
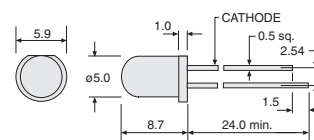
Dimensions (mm)



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

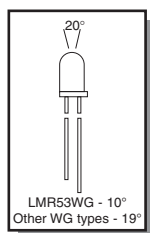
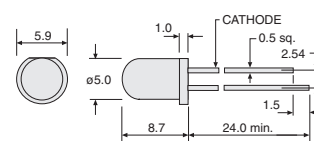


WATER-CLEAR

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

EXPANDED RANGE



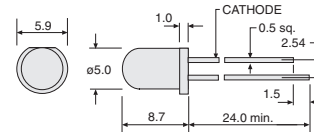
WATER-CLEAR

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



NEW



* projects no 'ghost ring'

5mm

TOSHIBA

Case & Viewing Angle

Emitted Colour Brightness

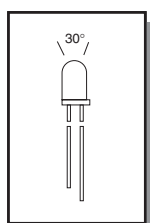
Lens Colour

Peak Wavelength nm

Min. Luminous Intensity (I_F = 20mA) mcd

Manf. Part No. & Anglia Order Code

Dimensions (mm)

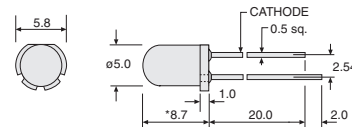


WATER-CLEAR

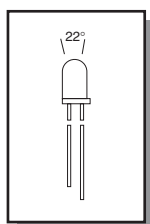
Red	Mega	water-clear	644	163
Red	Mega	water-clear	644	272
Red	Mega	water-clear	623	272
Orange	Mega	water-clear	612	272
Orange	Mega	water-clear	612	476
Yellow	Mega	water-clear	590	272
Yellow	Mega	water-clear	590	476
Yellow-Green	Mega	water-clear	574	272
Pure-Green	Mega	water-clear	562	85

TLRE156AP
TLRH156P
TLSH156P
TLOE156AP
TLOH156P
TLYE156AP
TLYH156P
TLGE158P
TLPGE158P

EXPANDED RANGE



* Yellow-Green & Pure Green 8.0

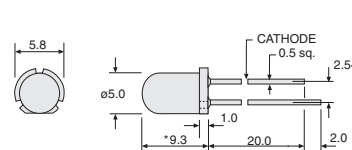


WATER-CLEAR

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

EXPANDED RANGE



* Yellow-Green & Pure Green 9.55

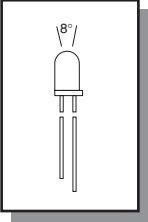
5mm LEDs continued overleaf > > >

HIGH BRIGHT (cont.)

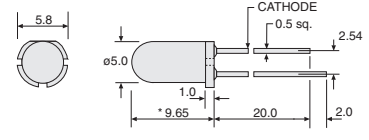
For suitable mountings see pages 297-298

5mm

TOSHIBA

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

EXPANDED RANGE



BI-COLOUR

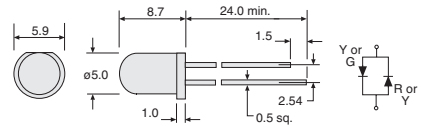
For suitable mountings see pages 297-298

5mm

TITAN OPTO

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

EXPANDED RANGE



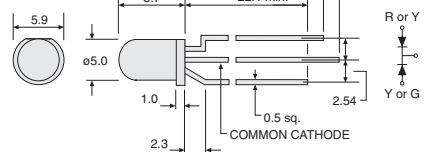
TRI-COLOUR

5mm

TITAN OPTO

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

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 _S = 5V) mcd	Manf. Part No. & Anglia Order Code
	COLOURED-DIFFUSED				
	Red	High	red-diffused	1.3	BHR53D
	Red	Mega	red-diffused	24	BMR53D
	Yellow	Ultra	yellow-diffused	5.5	BUY53D
	Green	Ultra	green-diffused	4.4	BUG53D

EXPANDED RANGE

