



## PLCC with Domed Lens LED Selector Guide

### CS Bright, 30° narrow viewing angle lens PLCC-4

Series	Size mm LxWxH	Emitted Colour	Wavelength λD(nm)	Intensity Iv (mcd)	Viewing Angle 2θ½	Part No.
CSST-54XX-C0X	 3.6x3.1x3.5	Red	621	11,000	30°	CSST-ULAHR54XX-C0X
		Ultra Green	522	11,000	30°	CSST-NLAPG54XX-C0X
		Yellow	590	11,000	30°	CSST-ULAYL54XX-C0X
		Cyan	504	8700	30°	CSST-NLAPG54XX-C1X
		Blue	465	2800	30°	CSST-NLASB54XX-C0X
		Cool White	4700 – 7000K	8500	30°	CSST-NLASW5AXX-C0X
		Natural White	3700 – 4700K	9000	30°	CSST-NLANW5AXX-C0X
Warm White	2600 – 3700K	8500	30°	CSST-NLAWW5AXX-C0X		


MSL:3

### CS Bright, 60° wider viewing angle lens PLCC-4

Series	Size mm LxWxH	Emitted Colour	Wavelength λD(nm)	Intensity Iv (mcd)	Viewing Angle 2θ½	Part No.
CSST-A4XX-C0X	 3.6x3.1x3.1	Super Red	621	5600	60°	CSST-ULAHRA4XX-C0X
		Ultra Green	522	6000	60°	CSST-NLAPGA4XX-C0X
		Yellow	590	6000	60°	CSST-ULAYLA4XX-C0X
		Blue	465	1500	60°	CSST-NLASBA4XX-C0X
		Cool White	4700 – 7000K	6000	60°	CSST-NLASWAAXX-C1X
		Natural White	3700 – 4700K	6300	60°	CSST-NLANWAAXX-C1X
		Warm White	2600 – 3700K	6000	60°	CSST-NLAWWAAXX-C1X

MSL:3

### CS Bright, Black Face and Oval lens, for 12° downward beam PLCC-4

Series	Size mm LxWxH	Emitted Colour	Wavelength λD(nm)	Intensity Iv (mcd)	Viewing Angle 2θ½	Part No.
CSST-W4XX-C0X	 3.6x3.1x3.1	Red	622	1900	80°(x) 55°(y)	CSST-ULAHRW4XX-C0X
		Ultra Green	524	3500	80°(x) 55°(y)	CSST-NLAPGW4XX-C0X
		Yellow	590	2100	80°(x) 55°(y)	CSST-ULAYLW4XX-C0X
		Orange	605	3000	80°(x) 55°(y)	CSST-ULAYOW4XX-C0X
		Blue	468	700	80°(x) 55°(y)	CSST-NLASBW4XX-C0X
		Cool White	4700 – 7000K	3700	90°(x) 70°(y)	CSST-NLASWVWAXX-C0X
		PC Amber	0.56(x), 0.43(y)	3500	90°(x) 70°(y)	CSST-NLAYLWAXX-C0X

MSL:3

### Reford, 30° narrow viewing angle lens PLCC-4 ( AEC-Q101 for Automotive )

Series	Size mm LxWxH	Emitted Colour	Wavelength λD(nm)	Intensity Iv (mcd)	Viewing Angle 2θ½	Part No.
RF-xxRL30TS-CG	3.5x2.8x3.5	Red	620	12,000	30°	RF-OMRL30TS-CG-G
		Ultra Green	520	30,000	30°	RF-GNRL30TS-CG-G
		Yellow	589	12,000	30°	RF-YMRL30TS-CG-G
		Blue	470	5000	30°	RF-BNRL30TS-CG-G

MSL:2

### Reford, 60° wider viewing angle lens PLCC-4 ( AEC-Q101 for Automotive )

Series	Size mm LxWxH	Emitted Colour	Wavelength λD(nm)	Intensity Iv (mcd)	Viewing Angle 2θ½	Part No.
RF-xxRL30TS-AB	3.5x2.8x3.25	Red	620	6500	60°	RF-OMRL30TS-AB-G
		Ultra Green	520	15,000	60°	RF-GNRL30TS-AB-G
		Yellow	589	6500	60°	RF-YMRL30TS-AB-G
		Blue	470	2000	60°	RF-BNRL30TS-AB-G

MSL:2

### Plus Opto Ltd

B13, Derwent Court, William Way, Moss Ind. Est. Leigh WN7 3PT

Tel: 01942 671122

Fax: 01942 671133

E: [sales@plusopto.co.uk](mailto:sales@plusopto.co.uk)

W: [www.plusopto.co.uk](http://www.plusopto.co.uk)

**Refond, 30° narrow viewing angle lens PLCC-4 Infra Red**

Series	Size mm LxWxH	Emitted	Wavelength λD(nm)	Radiant intensity	Viewing Angle 2θ½	Part No.
RFA- A2B31	3.5x2.8x3.5	Infra Red	850	180mW/sr	30°	RF-A2B31-H50C-H4
		Infra Red	940	100mW/sr	30°	RF-A2B31-H40C-H4

MSL:2

**Refond, 60° wider viewing angle lens PLCC-4 Infra Red**

Series	Size mm LxWxH	Emitted	Wavelength λD(nm)	Radiant intensity	Viewing Angle 2θ½	Part No.
RFA- A2B3B	3.5x2.8x3.25	Infra Red	850	55mW/sr	60°	RF-A2B3B-H50C-H4
		Infra Red	940	55mW/sr	60°	RF-A2B3B-H40C-H4

MSL:2

**Refond, 30° narrow viewing angle lens PLCC-2**

Series	Size mm LxWxH	Emitted Colour	Wavelength λD(nm)	Intensity Iv (mcd)	Viewing Angle 2θ½	Part No.
RF- xxRL30TS- AA	3.5x2.8x3.4	Red	620	5000	30°	RF-OMRL30TS-AA
		Ultra Green	520	20,000	30°	RF-GNRL30TS-AA
		Yellow	589	5000	30°	RF-YMRL30TS-AA
		Blue	470	4000	30°	RF-BNRL30TS-AA

MSL:2

**Refond, 60° wider viewing angle lens PLCC-2**

Series	Size mm LxWxH	Emitted Colour	Wavelength λD(nm)	Intensity Iv (mcd)	Viewing Angle 2θ½	Part No.
RF- xxRL30TS- xxx	3.5x2.8x3.25	Red	630	2200	60°	RF-OMRL30TS-xxx
		Ultra Green	520	3500	60°	RF-GNRL30TS-xxx
		Yellow	589	1800	60°	RF-YMRL30TS-xxx
		Blue	470	900	60°	RF-BNRL30TS-xxx

MSL:2

This selector is for guidance only, please contact our office for the latest detailed specifications  
Specifications may be subject to change without notice. Dimensions are in mm

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E: [sales@plusopto.co.uk](mailto:sales@plusopto.co.uk)

W: [www.plusopto.co.uk](http://www.plusopto.co.uk)