



Unity Microelectronics, Inc.

Unity Microelectronics
1501 Summit Avenue
Suite #10 Plano, TX 75074
Phone: 972-312-0702
Fax: 972-312-9301



PLCC Product Summary



Unity P/N	Color	Dominant Wavelength	Chip Material	Typ Current (mA)	Typ Vf (V)	Typ Luminous Flux (mcd)	Viewing Angle	Lens Type	Dimension (mm)	Osram / Nichia / Seoul Cross	MOQ	Production Lead Time
PLCC-4 30-degree DOMED												
Osram												
MSL-2345CJ-UOL	Red	625	AllInGaP	50	2.1	4000	30	Dome Lens	3.5 x 2.8 x 3.7	LS E63B	8,000	4 - 6 Weeks
MSL-2345CJ-VUOL	Red	625	AllInGaP	50	2.1	10000	30	Dome Lens	3.5 x 2.8 x 3.7	LS E63B	8,000	4 - 6 Weeks
MSL-2345CJ-SOL	Red-Orange	617	AllInGaP	50	2.1	4000	30	Dome Lens	3.5 x 2.8 x 3.7	LA E63B	8,000	4 - 6 Weeks
MSL-2345CJ-VSOL	Red-Orange	617	AllInGaP	50	2.1	10000	30	Dome Lens	3.5 x 2.8 x 3.7	LA E63B	8,000	4 - 6 Weeks
MSL-2345CJ-SO	Orange	605	AllInGaP	50	2.1	4000	30	Dome Lens	3.5 x 2.8 x 3.7	LO E63B	8,000	4 - 6 Weeks
MSL-2345CJ-UYL	Amber	590	AllInGaP	50	2.1	4000	30	Dome Lens	3.5 x 2.8 x 3.7	LY E63B	8,000	4 - 6 Weeks
MSL-2345CJ-VUYL	Amber	590	AllInGaP	50	2.1	10000	30	Dome Lens	3.5 x 2.8 x 3.7	LY E63B	8,000	4 - 6 Weeks
MSL-2345CF-STG	True-green	527	InGaN	30	3.8	2400	30	Dome Lens	3.5 x 2.8 x 3.7	LT E63C	8,000	4 - 6 Weeks
MSL-2345CF-SB	Blue	472	InGaN	30	3.8	1200	30	Dome Lens	3.5 x 2.8 x 3.7	LB E63C	8,000	4 - 6 Weeks
PLCC-4 60-degree DOMED												
Osram												
MSL-2645CJ-UOL	Red	625	AllInGaP	50	2.1	3000	60	Dome Lens	3.5 x 2.8 x 3.5	LS E65B	8,000	4 - 6 Weeks
MSL-2645CJ-VUOL	Red	625	AllInGaP	50	2.1	5000	60	Dome Lens	3.5 x 2.8 x 3.5	LS E65F	8,000	4 - 6 Weeks
MSL-2645CJ-SOL	Red-Orange	617	AllInGaP	50	2.1	3000	60	Dome Lens	3.5 x 2.8 x 3.5	LA E65B	8,000	4 - 6 Weeks
MSL-2645CJ-VSOL	Red-Orange	617	AllInGaP	50	2.1	5000	60	Dome Lens	3.5 x 2.8 x 3.5	LA E65F	8,000	4 - 6 Weeks
MSL-2645CJ-SO	Orange	605	AllInGaP	50	2.1	3000	60	Dome Lens	3.5 x 2.8 x 3.5	Does Not Offer	8,000	4 - 6 Weeks
MSL-2645CJ-UYL	Amber	590	AllInGaP	50	2.1	3000	60	Dome Lens	3.5 x 2.8 x 3.5	Does Not Offer	8,000	4 - 6 Weeks
MSL-2645CJ-VUYL	Amber	590	AllInGaP	50	2.1	5000	60	Dome Lens	3.5 x 2.8 x 3.5	LY E65F	8,000	4 - 6 Weeks
MSL-2645CF-STG	True-green	527	InGaN	30	3.8	2000	60	Dome Lens	3.5 x 2.8 x 3.5	Does Not Offer	8,000	4 - 6 Weeks
MSL-2645CF-SB	Blue	472	InGaN	30	3.8	1000	60	Dome Lens	3.5 x 2.8 x 3.5	Does Not Offer	8,000	4 - 6 Weeks
MSL-2645WF-ST65	White	6500K	InGaN	30	3.8	2200	60	Dome Lens	3.5 x 2.8 x 3.5	Does Not Offer	8,000	4 - 6 Weeks
MSL-2645WF-ST32	Warm White	3500K	InGaN	30	3.8	2200	60	Dome Lens	3.5 x 2.8 x 3.5	Does Not Offer	8,000	4 - 6 Weeks
PLCC-4 FLAT TOP												
Osram												
MSL-2045CH-UOL	Red	625	AllInGaP	50	2.1	500	120	Flat Top	3.5 x 2.8 x 1.9	LS E67B	8,000	4 - 6 Weeks
MSL-2045CH-VUOL	Red	625	AllInGaP	50	2.1	1200	120	Flat Top	3.5 x 2.8 x 1.9	LS E67B	8,000	4 - 6 Weeks
MSL-2045CH-SOL	Red-Orange	617	AllInGaP	50	2.1	500	120	Flat Top	3.5 x 2.8 x 1.9	LA E67B	8,000	4 - 6 Weeks
MSL-2045CH-VSOL	Red-Orange	617	AllInGaP	50	2.1	1200	120	Flat Top	3.5 x 2.8 x 1.9	LA E67B	8,000	4 - 6 Weeks
MSL-2095CH-SO	Orange	605	AllInGaP	50	2.1	500	120	Flat Top	3.5 x 2.8 x 1.9	LO E67B	8,000	4 - 6 Weeks
MSL-2045CH-UYL	Amber	590	AllInGaP	50	2.1	500	120	Flat Top	3.5 x 2.8 x 1.9	LY E67B	8,000	4 - 6 Weeks
MSL-2045CH-VUYL	Amber	590	AllInGaP	50	2.1	1200	120	Flat Top	3.5 x 2.8 x 1.9	LY E67B	8,000	4 - 6 Weeks
MSL-2045CE-STG	True-green	527	InGaN	30	3.8	1200	120	Flat Top	3.5 x 2.8 x 1.9	LT E67C	8,000	4 - 6 Weeks
MSL-2045CE-SB	Blue	472	InGaN	30	3.8	300	120	Flat Top	3.5 x 2.8 x 1.9	LB E67C	8,000	4 - 6 Weeks
MSL-2095WE-ST65	White	6500K	InGaN	30	3.4	1800	120	Flat Top	3.5 x 2.8 x 1.9	LW E67C	8,000	4 - 6 Weeks
MSL-2095WE-ST32	Warm White	3200K	InGaN	30	3.8	1800	120	Flat Top	3.5 x 2.8 x 1.9	LCW E6SG	8,000	4 - 6 Weeks
PLCC - RGB												
Nichia												
MSL-609RGB-ELB	Red / Green / Blue	625 / 525 / 465	AllInGaP / InGaN / InGaN	35 / 35 / 30	2.2 / 3.4 / 3.3	640 / 1380 / 420	110	Flat Top	5.4 x 5.0 x 1.8	NSSM016D	8,000	4 - 6 Weeks
MSL-609RGBZ-B1	Red / Green / Blue	625 / 535 / 470	AllInGaP / InGaN / InGaN	35 / 35 / 35	2.2 / 3.4 / 3.3	550 / 1350 / 290	110	Flat Top	5.4 x 5.0 x 1.8	NSSM016D	8,000	4 - 6 Weeks
MSL-619RGB-EL	Red / Green / Blue	625 / 535 / 465	AllInGaP / InGaN / InGaN	100 / 100 / 100	2.5 / 3.5 / 3.5	2900 / 4600 / 1300	110	Flat Top	7.4 x 5.0 x 1.3	Does Not Cross	8,000	4 - 6 Weeks
MSL-617RGB-EL	Red / Green / Blue	625 / 535 / 465	AllInGaP / InGaN / InGaN	100 / 100 / 100	2.5 / 3.5 / 3.5	3100 / 5000 / 1400	110	Flat Top	7.4 x 5.0 x 1.3	Does Not Cross	8,000	4 - 6 Weeks
MSL-528RGB-DL	Red / Green / Blue	625 / 525 / 470	AllInGaP / InGaN / InGaN	20 / 20 / 20	2.2 / 3.4 / 3.4	400 / 700 / 200	110	Flat Top	4.0 x 0.8 x 1.35	NSSM038A	8,000	4 - 6 Weeks
MSL-514RGB	Red / Green / Blue	625 / 530 / 470	AllInGaP / InGaN / InGaN	25 / 25 / 25	2.2 / 3.3 / 3.3	220 / 360 / 140	120	Flat Top	5.0 x 0.44 x 1.0	Does Not Cross	8,000	4 - 6 Weeks

* Suggestions are based on the similarity of electrical characteristics as reported in the manufacturer's published data. Before selecting a device as a substitute, compare the product specifications.

UNITY NOW OFFERS EVALUATION KITS

◆ Order Evaluation Kits with special part number suffix ◆
Eval Qty: 25pc increments → MSL-2345CJ-UOL-EVK

PLCC-2 PACKAGE AVAILABLE (Example)

PLCC-4 = MSL-2345CJ-UOL
PLCC-2 = MSL-2341CC-UOL
1 defines package style and C defines test current

VISIT US AT: www.unity.com for product updates, specifications, presentations and announcements

QUESTIONS? sales@unity.com EVAL ORDERS CAN BE PLACED AT: <http://lighting.arrow.com>