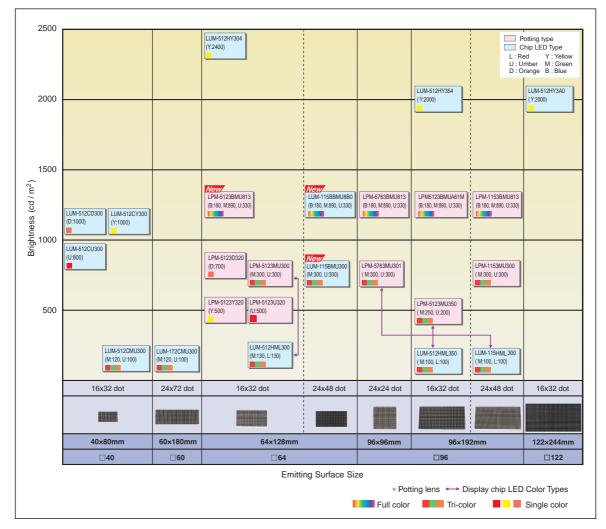
# LUM unit series

#### Brightness vs. Size



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### LED displays

#### Main specifications

	Emitting surface size	Number of dots			Emitting	Wavelength	Dot	Dot		ntrol	LE		Brightness	Operating	
Display Color	(mm)	(dot)	Part No.	Display	color	(nm)	size (mm)	pitch (mm)	VDD (V)	lcc1 Max. (mA)	VLED (V)	Icc2 Max. (A)	(cd/m)2	freq. (MHz)	Drive type
Full Color	96 × 96	24 × 24	LPM-5763BMU813 Potting Lens	Potting lens	Red Green Blue	(624) (525) (471)	¢2.8	4	5	400	5	3.0	330 890 180	10 (Max.)	1/24 duty (Shift register type) Internal / external gradation clock 1024 gradations
	96 × 192	16 × 32	LPM5123BMUA61M	Potting lens	Red Green Blue	(624) (527) (470)	φ2 <b>.</b> 8	6	5	700	5	7.0	330 890 180	10 (Max.)	1/8 duty (Shift register type) Internal / external gradation clock 1024 gradations
		24 × 48	LPM-1153BMU813 Potting Lens	Potting lens	Red Green Blue	(624) (525) (471)	¢2.8	4	5	600	5	6.0	330 890 180	10 (Max.)	1/24 duty (Shift register type) Internal / external gradation clock 1024 gradations
	64 × 128	16 × 32	LPM-5123BMU813 (Potting Lent)	Potting lens	Red Green Blue	(624) (525) (471)	φ2 <b>.</b> 8	4	5	500	5	3.0	330 890 180	10 (Max.)	1/16 duty (Shift register type) Internal / external gradation clock 1024 gradations
		24 × 48	LUM-115BBU8B0	Chip LED	Red Green Blue	(624) (527) (470)	1.0×0.6	2.67	5	350	5	2.5	330 890 180	10 (Max.)	1/24 duty (Shift register type) Internal / external gradation clock 1024 gradations
Tri-Color	96 × 96	24 × 24	LPM-5763MU301 Potting Lens	Potting lens	Red Green	624 571	¢2.8	4	5	20	5	2.6	300 300	20 (Max.)	1/24 duty (Memory Type)
	96 × 192	16 × 32 -	LPM-5123MU350 Potting Lens	Potting lens	Red Green	624 571	¢2.8	6	5	20	5	5.2	250 200	20 (Max.)	1/16 duty (Memory Type)
			LUM-512HML350	Chip LED	Red Green	660 563	2.1×2.3	6	5	20	5	4.3	100 100	20 (Max.)	1/16 duty (Memory Type)
		24 × 48	LPM-1153MU300 Potting Lens	Potting lens	Red Green	624 571	φ2 <b>.</b> 8	4	5	40	5	5.2	300 300	20 (Max.)	1/24 duty (Memory Type)
			LUM-115HML300	Chip LED	Red Green	660 563	2.1×2.3	4	5	50	5	4.0	100 100	20 (Max.)	1/24 duty (Memory Type)
	64 × 128	16 × 32	LPM-5123MU300 Potting Lens	Potting lens	Red Green	624 571	φ2 <b>.</b> 8	4	5	30	5	3.0	300 300	20 (Max.)	1/16 duty (Memory Type)
			LUM-512HML300	Chip LED	Red Green	660 563	2.1×2.3	4	5	30	5	2.7	130 130	20 (Max.)	1/16 duty (Memory Type)
			LUM-115BMU300	Chip LED	Red Green	624 572	1.0×0.6	2.67	5	40	5	2.0	300 300	20 (Max.)	1/24 duty (Memory Type)
	60 × 180	24 × 72	LUM-172CMU300	Chip LED	Red Green	630 570	1.1×1.3	2.5	5	40	5	5.5	100 120	20 (Max.)	1/24 duty (Memory Type)
	40 × 80	16 × 32	LUM-512CMU300	Chip LED	Red Green	630 570	1.1×1.3	2.5	5	80	4.5	2.0	100 120	13 (Max.)	1/16 duty (Shift register type)
Single Color	96 × 192	16 × 32	LUM-512HY354	Chip LED	Yellow	590	1.6×2.3	6	5	60	5	4.0	2000	20	1/8 duty (Memory Type)
	64 × 128 40 × 80	16 × 32	LPM-5123D320 Potting Lens	Potting lens	Orange	605	¢2.8	4	5	100	5	1.6	700	10 (Max.)	1/16 duty (Shift register type)
			LPM-5123U320 Rotting Lene	Potting lens	Red	624	¢2 <u>.</u> 8	4	5	100	5	1.6	500	10 (Max.)	1/16 duty (Shift register type)
			LPM-5123Y320	Potting lens	Yellow	590	¢2.8	4	5	100	5	1.6	500	10 (Max.)	1/16 duty (Shift register type)
			LUM-512HY304	Chip LED Milky White	Yellow	590 611	1.6×2.3	4	5	30	5	2.0	2400	20	1/16 duty (Memory Type) 1/16 duty
			LUM-512CD300	Chip LEDs Milky White Chip LEDs	Orange Red	630	1.2×0.8	2.5	5	80 80	5	1.7	1000 800	(Max.) 10 (Max.)	(Shift register type) 1/16 duty (Shift register type)
			LUM-512CY300	Milky White Chip LEDs	Yellow	590	1.2×0.8	2.5	5	80	5	1.7	1000	(Max.) 10 (Max.)	1/16 duty (Shift register type)
	122 × 244	16 × 32	LUM-512HY3A0	Chip LED	Yellow	590	1.6×2.3	7.62	5	(2000)	5	(6.0)	2000	10 (Max.)	Static

Potting Lens : Potting Lens type

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Appendix1-Rev2.0

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