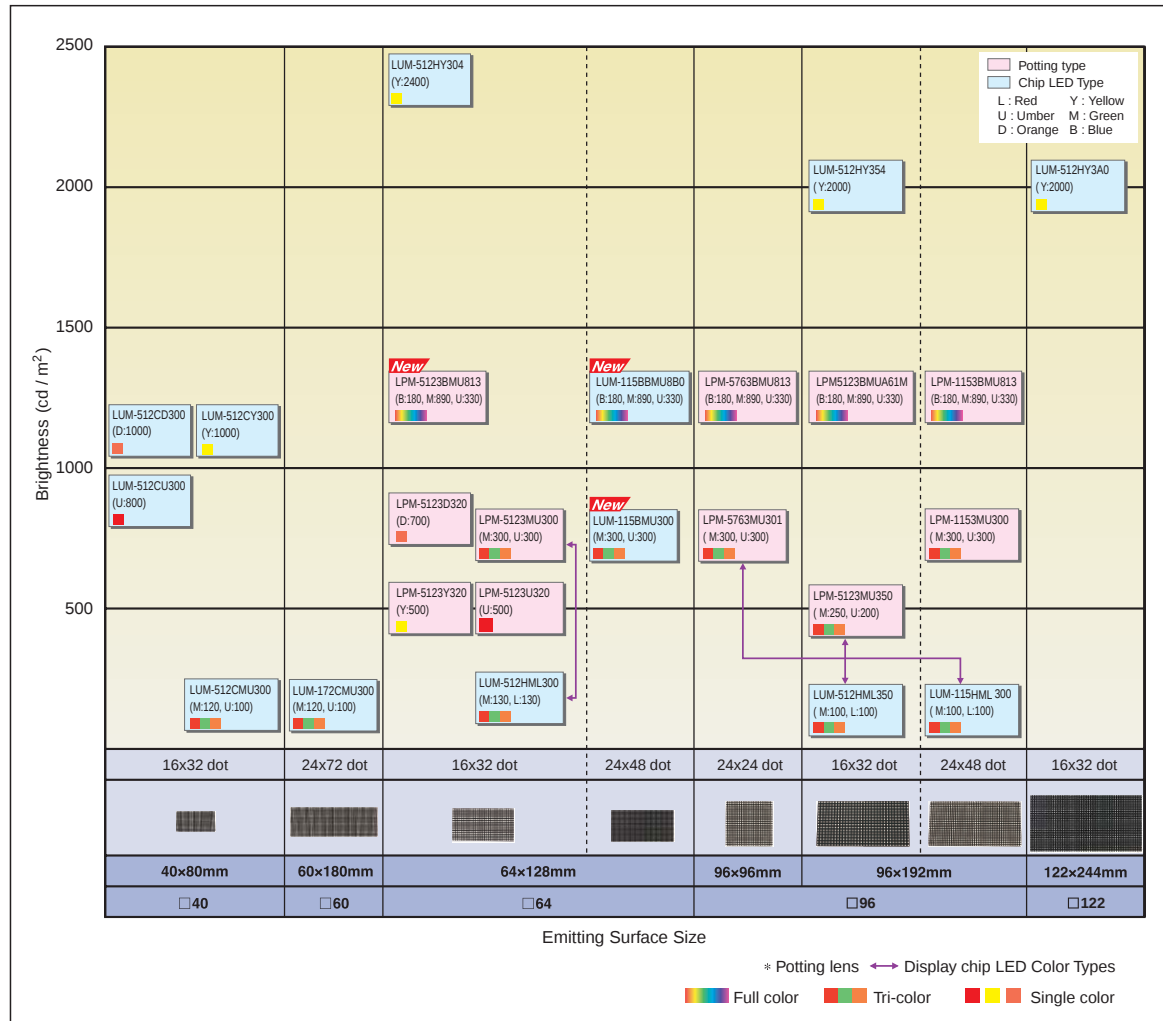


LUM unit series

●Brightness vs. Size



LED displays

●Main specifications

Display Color	Emitting surface size (mm)	Number of dots (dot)	Part No.	Display	Emitting color	Wavelength (nm)	Dot size (mm)	Dot pitch (mm)	Control V _{DD} (V)	I _{CC1} Max. (mA)	LED V _{LED} (V)	I _{CC2} Max. (A)	Brightness (cd/m ²)	Operating freq. (MHz)	Drive type
Full Color	96 × 96	24 × 24	LPM-5763BMU813 Potting Lens	Potting lens	Red	(624)	φ2.8	4	5	400	5	3.0	330	10 (Max.)	1/24 duty (Shift register type) internal / external gradation clock 1024 gradations
					Green	(525)							890		
					Blue	(471)							180		
	96 × 192	16 × 32	LPM5123BMUA61M Potting Lens	Potting lens	Red	(624)	φ2.8	6	5	700	5	7.0	330	10 (Max.)	1/8 duty (Shift register type) internal / external gradation clock 1024 gradations
					Green	(527)							890		
					Blue	(470)							180		
	64 × 128	24 × 48	LPM-1153BMU813 Potting Lens	Potting lens	Red	(624)	φ2.8	4	5	600	5	6.0	330	10 (Max.)	1/24 duty (Shift register type) internal / external gradation clock 1024 gradations
					Green	(525)							890		
					Blue	(471)							180		
	64 × 128	16 × 32	LPM-5123BMU813 Potting Lens	Potting lens	Red	(624)	φ2.8	4	5	500	5	3.0	330	10 (Max.)	1/16 duty (Shift register type) internal / external gradation clock 1024 gradations
					Green	(525)							890		
					Blue	(471)							180		
	64 × 128	24 × 48	LUM-115BBU8B0	Chip LED	Red	(624)	1.0×0.6	2.67	5	350	5	2.5	330	10 (Max.)	1/24 duty (Shift register type) internal / external gradation clock 1024 gradations
					Green	(527)							890		
					Blue	(470)							180		
Tri-Color	96 × 96	24 × 24	LPM-5763MU301 Potting Lens	Potting lens	Red	624	φ2.8	4	5	20	5	2.6	300	20 (Max.)	1/24 duty (Memory Type)
					Green	571							300		
					Blue	471							300		
	96 × 192	16 × 32	LPM-5123MU350 Potting Lens	Potting lens	Red	624	φ2.8	6	5	20	5	5.2	250	20 (Max.)	1/16 duty (Memory Type)
					Green	571							200		
					Blue	471							100		
		24 × 48	LPM-1153MU300 Potting Lens	Potting lens	Red	624	φ2.8	4	5	40	5	5.2	300	20 (Max.)	1/24 duty (Memory Type)
					Green	571							300		
					Blue	471							100		
	64 × 128	16 × 32	LPM-5123MU300 Potting Lens	Potting lens	Red	624	φ2.8	4	5	30	5	3.0	300	20 (Max.)	1/16 duty (Memory Type)
					Green	571							300		
					Blue	471							130		
		16 × 32	LUM-512HML300	Chip LED	Red	660	2.1×2.3	4	5	30	5	2.7	130	20 (Max.)	1/16 duty (Memory Type)
					Green	563							130		
					Blue	471							130		
	60 × 180	24 × 72	LUM-172CMU300	Chip LED	Red	630	1.1×1.3	2.5	5	40	5	5.5	100	20 (Max.)	1/24 duty (Memory Type)
					Green	570							120		
					Blue	471							120		
	40 × 80	16 × 32	LUM-512CMU300	Chip LED	Red	630	1.1×1.3	2.5	5	80	4.5	2.0	100	13 (Max.)	1/16 duty (Shift register type)
					Green	570							120		
					Blue	471							120		
Single Color	64 × 128	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)
			LPM-5123D320 Potting Lens	Potting lens	Orange	605	φ2.8	4	5	100	5	1.6	700	10 (Max.)	1/16 duty (Shift register type)
			LPM-5123U320 Potting Lens	Potting lens	Red	624	φ2.8	4	5	100	5	1.6	500	10 (Max.)	1/16 duty (Shift register type)
			LPM-5123Y320 Potting Lens	Potting lens	Yellow	590	φ2.8	4	5	100	5	1.6	500	10 (Max.)	1/16 duty (Shift register type)
	40 × 80	16 × 32	LUM-512HY304	Chip LED	Yellow	590	1.6×2.3	4	5	30	5	2.0	2400	20	1/16 duty (Memory Type)
			LUM-512CD300	Milky White Chip LEDs	Orange	611	1.2×0.8	2.5	5	80	5	1.7	1000	10 (Max.)	1/16 duty (Shift register type)
			LUM-512CU300	Milky White Chip LEDs	Red	630	1.2×0.8	2.5	5	80	5	1.7	800	10 (Max.)	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	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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