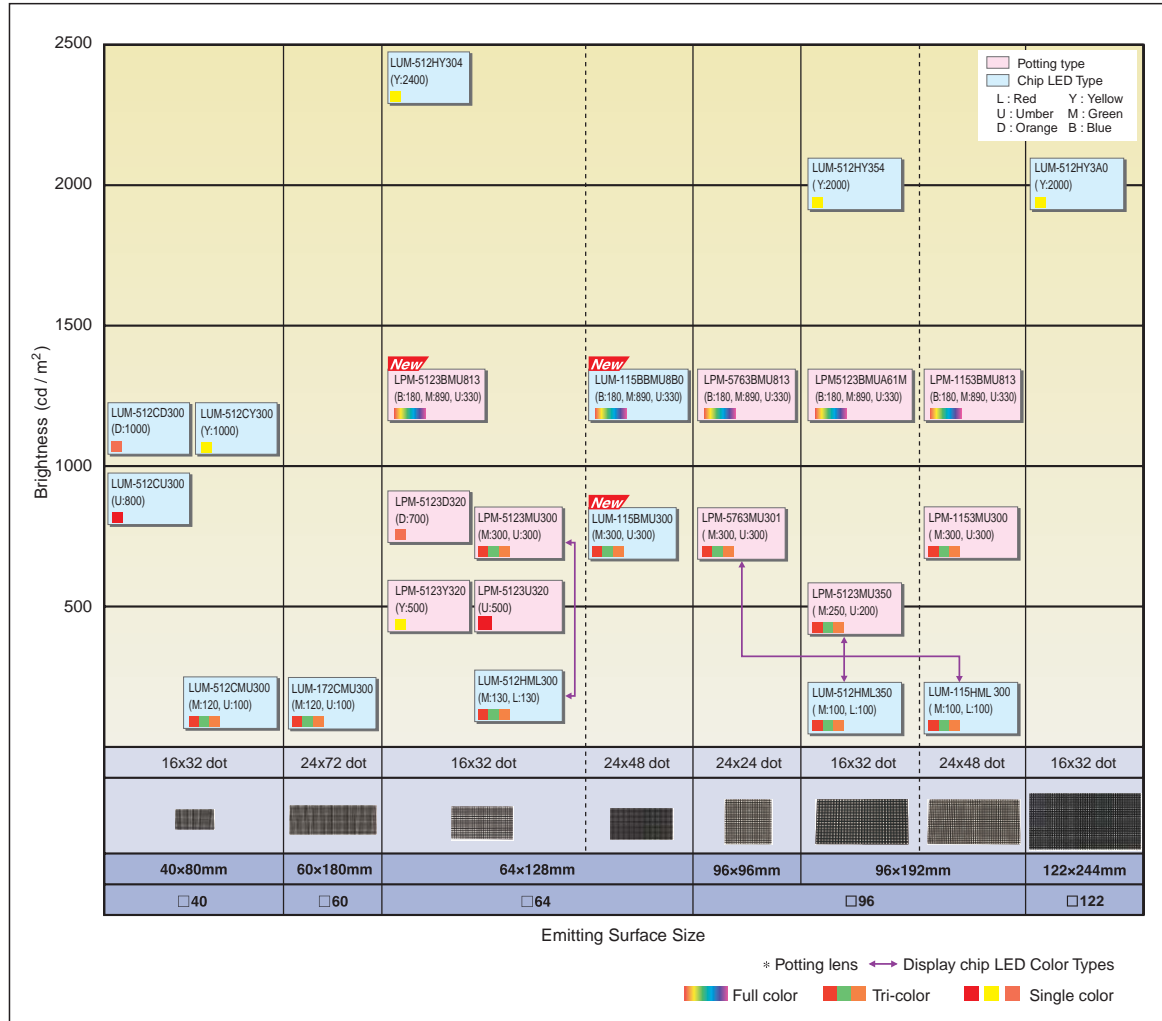


LUM unit series

●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			LED		Brightness (cd/m ²)	Operating freq. (MHz)	Drive type											
									V _{DD} (V)	I _{CC1} Max. (mA)	V _{LED} (V)	I _{CC2} Max. (A)															
Full Color	96 × 96	24 × 24	LPM-5763BMU813 <small>Potting Lens</small>	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 <small>Potting Lens</small>	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														
		24 × 48	LPM-1153BMU813 <small>Potting Lens</small>	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 <small>Potting Lens</small>	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														
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 <small>Potting Lens</small>	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 <small>Potting Lens</small>	Potting lens	Red	624	φ2.8	6	5	20	5	5.2	250	20 (Max.)	1/16 duty (Memory Type)												
					Green	571							200														
			24 × 48	LUM-512HML350	Chip LED	Red	660	2.1×2.3	6	5	20	5	4.3	100	20 (Max.)	1/16 duty (Memory Type)											
		Green				563	100																				
		LPM-1153MU300 <small>Potting Lens</small>		Potting lens	Red	624	φ2.8	4	5	40	5	5.2	300	20 (Max.)	1/24 duty (Memory Type)												
			Green		571	300																					
	64 × 128	16 × 32	LPM-5123MU300 <small>Potting Lens</small>	Potting lens	Red	624	φ2.8	4	5	30	5	3.0	300	20 (Max.)	1/16 duty (Memory Type)												
					Green	571							300														
			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																						
	60 × 180	24 × 72	LUM-115BMU300	Chip LED	Red	624	1.0×0.6	2.67	5	40	5	2.0	300	20 (Max.)	1/24 duty (Memory Type)												
					Green	572							300														
					Blue	471							300														
	40 × 80	16 × 32	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																					
Single Color	96 × 192	16 × 32	LUM-512HY354	Chip LED	Yellow	590	1.6×2.3	6	5	60	5	4.0	2000	20 (Max.)	1/8 duty (Memory Type)												
					64 × 128	16 × 32							LPM-5123D320 <small>Potting Lens</small>			Potting lens	Orange	605	φ2.8	4	5	100	5	1.6	700	10 (Max.)	1/16 duty (Shift register type)
																	LPM-5123U320 <small>Potting Lens</small>	Potting lens							Red		
													LPM-5123Y320 <small>Potting Lens</small>			Potting lens			Yellow	590	φ2.8	4	5	100	5	1.6	500
	LUM-512HY304	Chip LED	Yellow	590	1.6×2.3	4	5	30	5	2.0	2400	20 (Max.)		1/16 duty (Memory Type)													
			40 × 80	16 × 32							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												
					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

Notes

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