

SMD LED Product Description

Series	Size (L x W x H)	Leans Shape	Resin Color	Description
	Unit : mm			
MLM-110	3.2 x 1.5 x 1.0 (1024)	Oval (Right Angle)	C	Mono Color
MLM-150	3.2 x 1.6 x 1.1 (1206)	Flat	C,D	Mono Color
MLM-152	3.2 x 1.6 x 1.1 (1206)	Flat	D	Bi-Color
MLM-155	3.2 x 2.7 x 1.1 (1210)	Flat	C,D	Bi-color
MLM-156	3.2 x 1.6 x 0.8 (1206)	Flat	C	Mono Color
MLM-170	2.0 x 1.25 x 0.8 (0805)	Flat	D	Mono Color
MLM-190	1.6 x 0.8 x 0.8 (0603)	Flat	D	Mono Color
MLM-191	1.6 x 0.8 x 0.6 (0603)	Flat	D	Mono Color
MLM-350	3.2 x 2.7 x 1.1 (1210)	Flat	C	Full Color

Resin Color : C : Water

D : Milky Diffused

Conventional Brightness SMD LED

Package	Color	Pure Green	Super Green	Green	Yellow Green	Yellow	Amber	Bright Orange	Bright Red	Bright Red	Red	Case
	Material	GaP				GaAsP			AlGaAs		GaP	
	Wavelength λ (nm)	557	565	565	570	589	610	642	660	660	700	
	Product code	PG	UG	G	YG	Y	D	SD	UR	HR	R	
MLM-110	Iv(mcd)	4	11	8	13	8	7	13	20	30	2.7	SL-110
MLM-150		3.5	9.5	6.5	9.5	6.5	6	10	17	25	2.5	SL-150
MLM-156		10	26	-	30	-	-	-	-	-	-	SL-156
MLM-170		3.5	9.5	6.5	9.5	6.5	6	10	17	25	2.5	SL-170
MLM-190		4	11	8	13	8	7	13	20	28	2.7	SL-190
MLM-191		4	11	8	13	8	7	13	20	28	2.7	SL-191

High Brightness SMD LED

Package	Color	Pure Green	Yellow Green	Yellow	Amber	Orange	Red	Deep Red	Case
	Material	AlInGaP							
	Wavelength λ (nm)	562	572	593	610	636	645	655	
	Product code	UPG	UYG	UY	UD	USD	URO	UDR	
MLM-110	Iv(mcd)	25	45	70	75	70	55	55	SL-110
MLM-150		25	45	70	75	70	55	55	SL-150
MLM-156		40	60	90	90	90	75	70	SL-156
MLM-170		25	45	70	75	70	55	55	SL-170
MLM-190		25	45	70	75	70	55	55	SL-190
MLM-191		25	45	70	75	70	55	55	SL-191

Package	Color	Yellow	Amber	Orange	Case
	Material	AlInGaP			
	Wavelength λ (nm)	592	609	632	
	Product code	YQ	DQ	SQ	
MLM-150	Iv(mcd)	40	40	40	SL-150
MLM-170		40	40	40	SL-170
MLM-190		40	40	40	SL-190
MLM-191		40	40	40	SL-191

Complete type number Package + Product Code , ie. MLM-110PG

Special color SMD LED

Package	Color	Blue	White	White	White	Case
	Material	InGaN	GaN	InGaN	InGaN	
	Wavelength λ (nm)	468	X=0.29 Y=0.29	X=0.29 Y=0.31	X=0.29 Y=0.31	
	Product code	NB	CWS	CW	NW	
MLM-110	Iv(mcd)	30	-	-	-	SL-110
MLM-150		25	-	-	-	SL-150
MLM-156		50	12	40	45	SL-156
MLM-170		25	-	-	-	SL-170

Bi-color SMD LED

Package	Color	Yellow Green	Yellow Green	Yellow	Yellow	Bright Orange	Amber	Bright Red	Bright Red	Case	
	Wavelength λ (nm)	570	570	589	589	642	610	660	660		
	Product code	YG	YG	Y	Y	SD	D	UR	UR		
MLM152 YG/YG	Iv(mcd)	9.5	9.5	-	-	-	-	-	-	SL-152	
MLM152 Y/Y		-	-	8	8	-	-	-	-		
MLM152 SD/YG		-	9.5	-	-	10	-	-	-		
MLM155 SD/YG		-	9.5	-	-	10	-	-	-	SL-155	
MLM155 D/YG		-	9.5	-	-	-	7	-	-		
MLM155 Y/YG		-	9.5	8	-	-	-	-	-		
MLM155 YG/YG		9.5	9.5	-	-	-	-	-	-		
MLM155 UR/UR		-	-	-	-	-	-	-	17		17
		-	-	-	-	-	-	-	17		17

Complete type number Package + Product Code , ie. MLM-110NB

Full Color SMD LED

Package	Color	ultra Bright Orange	Green	Blue	Ultra Bright Red	Ultra Bright yellow Green	Blue	Super Bright Orange	Yellow Green	Case
	Wavelength λ	625	525	470	632	573	468	632	570	
	Product code	USD	NG	NB	HQ	UYG	CBS	SD	YG	
MLM-350FCH	lv(mcd)	70	105	25	-	-	-	-	-	SL-350
MLM-350FCQ		-	-	-	32	45	6	-	-	
MLM-350FC		-	-	-	-	-	6	10	9.5	

Complete type number Package + Product Code , ie. MLM-150IR