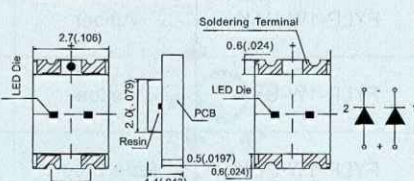
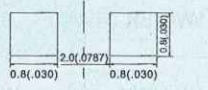
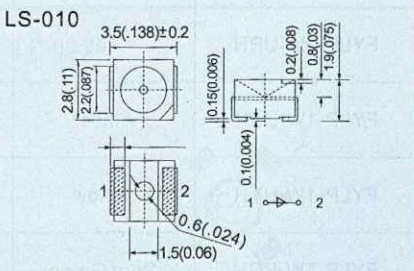
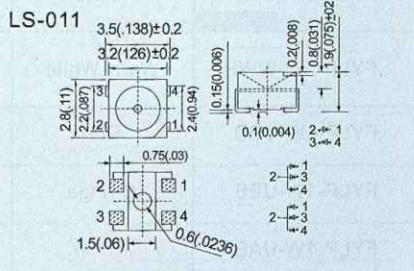
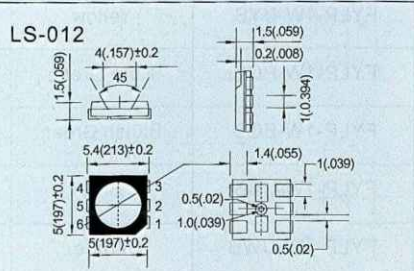


LS-009		LS-010		LS-011		LS-012	
Part Number	Material	Lens Color	$\lambda p(\text{nm})$	IV(mcd)IF=20mA		viewing Angle 2 θ 1/2 Deg	Dimension
				Min	TYP		
FYLS-1210HR/G	GaAsP	Red	640	6	8	110	<p>LS-009</p> <p>Package Outline Drawing</p>  <p>Recommended Soldering Pad Dimensions</p> 
	GaP	Yellow Green	570	10	15	110	
FYLS-1210UY/UG	AlGaInP	Yellow	590	50	70	110	
	AlGaInP	Yellow Green	575	30	45	110	
FYLS-1210UR/UG	AlGaInP	Red	640	60	80	110	
	AlGaInP	Yellow Green	575	30	45	110	
FYLS-1210UR/UB	AlGaInP	Red	640	60	80	110	
	InGaN	Blue	470	30	40	110	
FYLS-3528URC	AlGaInP	Red	630	280	380	120	
FYLS-3528UEC	AlGaInP	Orange	620	130	180	60	
FYLS-3528UAC	AlGaInP	Amber	610	120	160	30	
FYLS-3528UYC	AlGaInP	Yellow	590	300	400	120	
FYLS-3528UGC	AlGaInP	Yellow Green	570	90	110	120	
FYLS-3528PGC	InGaN	Pure Green	520	420	550	120	
FYLS-3528UBC	InGaN	Blue	470	300	350	60	
FYLS-3528UWC	InGaN	White	X:0.29 Y:0.30 9500K	900	1200	120	
Part Number	Material	Lens Color	$\lambda p(\text{nm})$	IV(mcd)IF=60mA		viewing Angle 2 θ 1/2 Deg	Dimension
				Min	TYP		
FYLS-3528UW3C	InGaN	White	X:0.29 Y:0.30 9500K	3800	4500	120	<p>LS-010</p> 
FYLS-3528RGBC	AlGaInP	Red	630	150	200	120	
	InGaN	Pure Green	520	600	800	120	
	InGaN	Blue	470	180	220	120	
FYLS-5050RGBC	AlGaInP	Red	630	600	800	120	<p>LS-011</p> 
	InGaN	Pure Green	520	1000	1400	120	
	InGaN	Blue	470	400	500	120	
FYLS-5050UW3C	InGaN	White	X:0.29 Y:0.30 9500K	5000	6000	120	<p>LS-012</p> 

NOTES:1.All dimensions are in millimeters (inches). 2.Tolerance is $\pm 0.25\text{mm}$ ($0.01''$) unless otherwise notice. 3.Specifications are subject to change without notice.