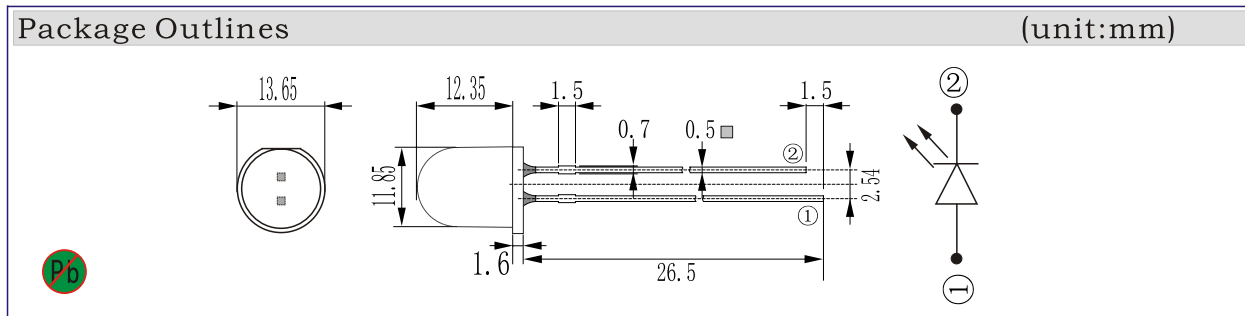


Φ12mm Round Flange LEDs

Part Number	Emitting Material	Wave Length λD(nm)	Emitting Color	Lens Type	V _F (v)	I _V (mcd)	Viewing Angle 2θ _{1/2} (°)
					Typ. (at 20 mA)		
CL-12R4PD-019	GaP	700	Red	Color Diffused	2.3	18	50
CL-12B4SD-019	InGaN/GaN	460	Blue	Color Diffused	3.3	300	50
CL-12G4HD-019	GaP	560	Green	Color Diffused	2.2	80	50
CL-12Y4SD-019	GaAsP/GaP	585	Yellow	Color Diffused	2.1	180	50
CL-12O4SD-019	GaAsP/GaP	605	Orange	Color Diffused	2.0	150	50
CL-12R4HW-019	GaAlAs	645	Red	White Diffused	2.0	200	50
CL-12G4HW-019	GaP	560	Green	White Diffused	2.2	150	50
CL-12Y4HW-019	GaAsP/GaP	585	Yellow	White Diffused	2.0	250	50
CL-12B4SW-019	GaInN/GaN	470	Blue	White Diffused	3.2	400	50
CL-12W4SW-019	GaInN/GaN	—	White	White Diffused	3.3	600	50
CL-12R4ST-019	GaAlAs	645	Red	Water Clear	2.0	900	40
CL-12B4ST-019	GaInN/GaN	460	Blue	Water Clear	3.2	1500	40
CL-12G4ST-019	GaP	560	Green	Water Clear	2.2	2000	40
CL-12Y4ST-019	GaAsP/GaP	585	Yellow	Water Clear	2.1	800	40
CL-12W4ST-019	GaInN/GaN	—	White	Water Clear	3.3	9000	40
CL-12R4SC-019	GaAlAs	660	Red	Color Transparent	2.0	800	45
CL-12B4SC-019	InGaN/GaN	460	Blue	Color Transparent	3.2	1300	45
CL-12G4SC-019	GaP	560	Green	Color Transparent	2.2	1800	45
CL-12Y4SC-019	GaAsP/GaP	585	Yellow	Color Transparent	2.1	700	45
CL-12O4SC-019	GaAsP/GaP	605	Orange	Color Transparent	2.0	750	40
CL-12P4SC-019	GaInN	400	Purple	Color Transparent	3.4	85	45
CL-12B4UC-019	GaInN	450	Blue	Color Transparent	3.4	5500	45
CL-12O4UC-019	GaAsP/GaP	605	Orange	Color Transparent	2.1	2000	45
CL-12G4UC-019	GaInN/GaN	525	Green	Color Transparent	3.4	5000	45
CL-12W4UT-019	GaInN	—	White	Water Clear	3.4	8000	45



Remark: 1. All dimensions are in millimeters, tolerance is 0.25mm unless otherwise noted.
 2. All the products are RoHS-compliant.
 3. Supplier will reserve authority on material change for above specification.