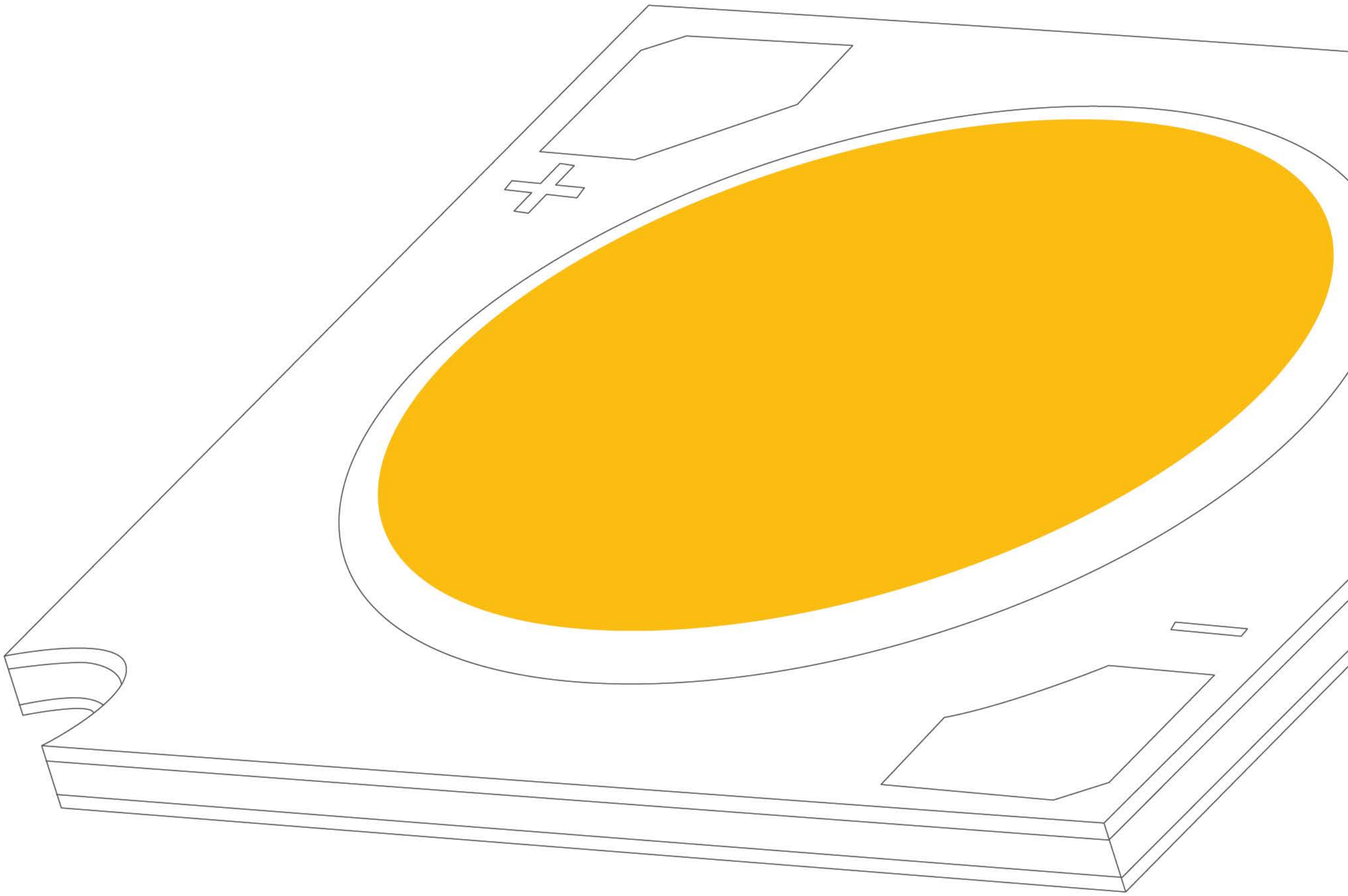


General Lighting | Package

COB LEDs

C Series


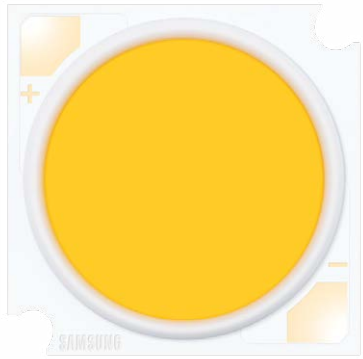
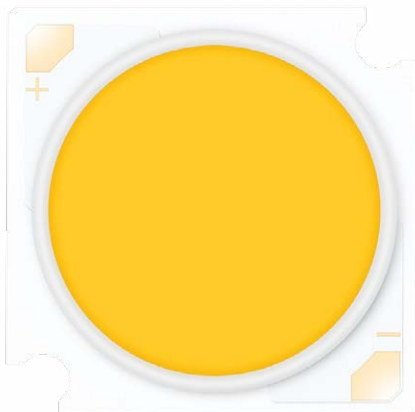
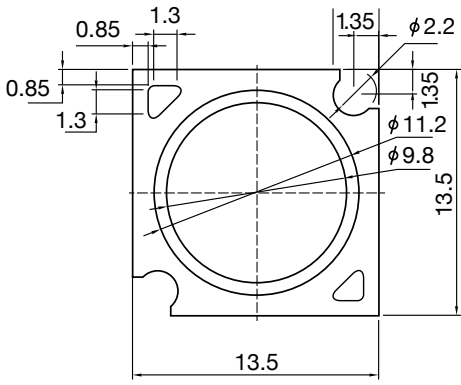
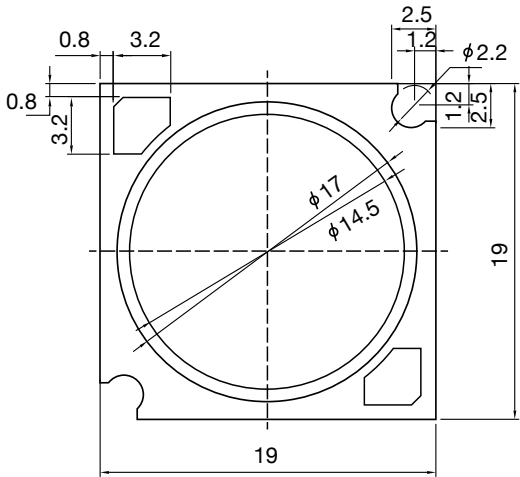
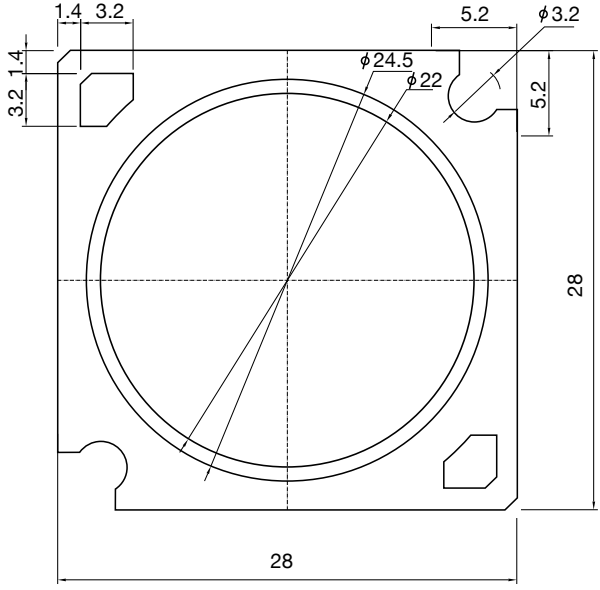


C-series Gen 2 [Small LES COB]



Suitable for narrow beam spot lights and downlights

- Uses new flip chip technology
- Low droop to improve current and thermal performance
- High reliability
- Completed 6,000 hours of LM-80 testing

$T_j=85^\circ\text{C}$	LC010C Gen 2	LC020C Gen 2	LC030C Gen 2	LC040C Gen 2
				
LES	6.0mm	8.5mm	11.5mm	
Typ.	10.5W	21.0W	31.5W	36.8W
	300mA	600mA	900mA	1050mA
Max.	13.8W	34.0W	51.1W	59.5W
	380mA	920mA	1380mA	1610mA
Dimension				
Size	13.5mm x 13.5mm	19mm x 19mm	19mm x 19mm	

Gen 2 [Small LES COB]

Product	CRI	CCT (K)	Color Rank	Part Number	T _j = 85°C		I _F (mA) V _F (V)
					Luminous Flux Typ. (lm)	Luminous Efficacy Typ. (lm/W)	
LC010C Gen 2	80+	2700	MacAdam 3step	SPHWAHDNC25YZW3C2	1212	115	300mA 35.0V
		3000	MacAdam 3step	SPHWAHDNC25YZV3C2	1274	121	
		3500	MacAdam 3step	SPHWAHDNC25YZU3C2	1311	125	
		4000	MacAdam 3step	SPHWAHDNC25YZT3C2	1337	127	
		5000	MacAdam 3step	SPHWAHDNC25YZR3C2	1348	128	
	90+	2700	MacAdam 3step	SPHWAHDNC27YZW3C2	1037	99	
		3000	MacAdam 3step	SPHWAHDNC27YZV3C2	1091	104	
		3500	MacAdam 3step	SPHWAHDNC27YZU3C2	1123	107	
		4000	MacAdam 3step	SPHWAHDNC27YZT3C2	1147	109	
		5000	MacAdam 3step	SPHWAHDNC27YZR3C2	1156	110	
LC020C Gen 2	80+	2700	MacAdam 3step	SPHWAHDNF25YZW3C2	2485	118	600mA 35.0V
		3000	MacAdam 3step	SPHWAHDNF25YZV3C2	2625	125	
		3500	MacAdam 3step	SPHWAHDNF25YZU3C2	2688	128	
		4000	MacAdam 3step	SPHWAHDNF25YZT3C2	2742	131	
		5000	MacAdam 3step	SPHWAHDNF25YZR3C2	2765	132	
	90+	2700	MacAdam 3step	SPHWAHDNF27YZW3C2	2127	101	
		3000	MacAdam 3step	SPHWAHDNF27YZV3C2	2237	107	
		3500	MacAdam 3step	SPHWAHDNF27YZU3C2	2304	110	
		4000	MacAdam 3step	SPHWAHDNF27YZT3C2	2351	112	
		5000	MacAdam 3step	SPHWAHDNF27YZR3C2	2372	113	
LC030C Gen 2	80+	2700	MacAdam 3step	SPHWAHDNH25YZW3C2	3765	120	900mA 35.0V
		3000	MacAdam 3step	SPHWAHDNH25YZV3C2	3956	126	
		3500	MacAdam 3step	SPHWAHDNH25YZU3C2	4072	129	
		4000	MacAdam 3step	SPHWAHDNH25YZT3C2	4154	132	
		5000	MacAdam 3step	SPHWAHDNH25YZR3C2	4188	133	
	90+	2700	MacAdam 3step	SPHWAHDNH27YZW3C2	3222	102	
		3000	MacAdam 3step	SPHWAHDNH27YZV3C2	3389	108	
		3500	MacAdam 3step	SPHWAHDNH27YZU3C2	3490	111	
		4000	MacAdam 3step	SPHWAHDNH27YZT3C2	3562	113	
		5000	MacAdam 3step	SPHWAHDNH27YZR3C2	3592	114	
LC040C Gen 2	80+	2700	MacAdam 3step	SPHWAHDNK25YZW3C2	4305	117	1050mA 35.0V
		3000	MacAdam 3step	SPHWAHDNK25YZV3C2	4524	123	
		3500	MacAdam 3step	SPHWAHDNK25YZU3C2	4657	127	
		4000	MacAdam 3step	SPHWAHDNK25YZT3C2	4750	129	
		5000	MacAdam 3step	SPHWAHDNK25YZR3C2	4790	130	
	90+	2700	MacAdam 3step	SPHWAHDNK27YZW3C2	3684	100	
		3000	MacAdam 3step	SPHWAHDNK27YZV3C2	3875	105	
		3500	MacAdam 3step	SPHWAHDNK27YZU3C2	3991	109	
		4000	MacAdam 3step	SPHWAHDNK27YZT3C2	4073	111	
		5000	MacAdam 3step	SPHWAHDNK27YZR3C2	4108	112	