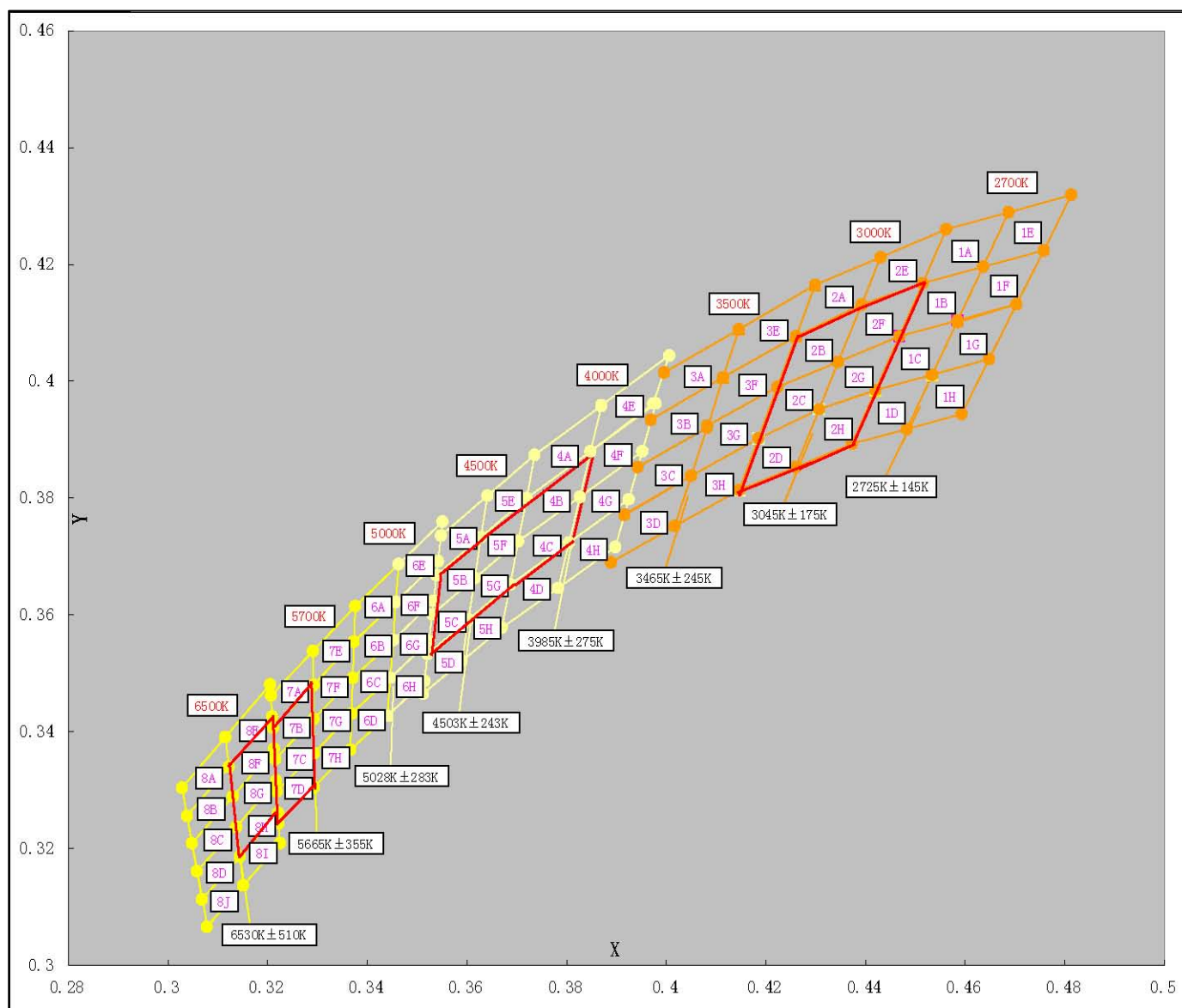


Ceramic COB LED color Bin



Remarks: The red area is regular bin. (* background is from USA EPA EnergyStar.)

Nominal CCT	Min.	Typ.	Max.
2700K	2580K	2725K	2870K
3000K	2870K	3045K	3220K
3500K	3220K	3465K	3710K
4000K	3710K	3985K	4260K
4500K	4260K	4503K	4745K
5000K	4745K	5028K	5311K
5700K	5310K	5665K	6020K
6500K	6020K	6530K	7040K

Ceramic COB LED color Bin

Nominal	Bin Code	X	Y	Nominal	Bin Code	X	Y		
2700K	1A	0.4515	0.4168	3000K	2A	0.4261	0.4077		
		0.4636	0.4196			0.4392	0.4131		
		0.4687	0.4289			0.443	0.4212		
		0.4562	0.426			0.4299	0.4165		
	1B	0.4468	0.4077		2B	0.4223	0.399		
		0.4585	0.4104			0.4345	0.4033		
		0.4636	0.4196			0.4392	0.4131		
		0.4515	0.4168			0.4261	0.4077		
	1C	0.442	0.3985		2C	0.4185	0.3902		
		0.4534	0.4011			0.4307	0.3952		
		0.4585	0.4104			0.4345	0.4033		
		0.4468	0.4077			0.4223	0.399		
	1D	0.4373	0.3893		2D	0.4147	0.3814		
		0.4483	0.3918			0.426	0.3853		
		0.4534	0.4011			0.4307	0.3952		
		0.442	0.3985			0.4185	0.3902		
	1E	0.4636	0.4196		2E	0.4392	0.4131		
		0.4758	0.4224			0.4515	0.4168		
		0.4813	0.4319			0.4562	0.426		
		0.4687	0.4289			0.443	0.4212		
	1F	0.4585	0.4101		2F	0.4345	0.4033		
		0.4703	0.4132			0.4468	0.4077		
		0.4758	0.4224			0.4515	0.4168		
		0.4636	0.4196			0.4392	0.4131		
	1G	0.4534	0.4011		2G	0.4307	0.3952		
		0.4648	0.4038			0.442	0.3985		
		0.4703	0.4132			0.4468	0.4077		
		0.4585	0.4104			0.4345	0.4033		
	1H	0.4483	0.3918		2H	0.426	0.3853		
		0.4593	0.3944			0.4373	0.3893		
		0.4648	0.4038			0.442	0.3985		
		0.4533	0.4011			0.4307	0.3952		
	Nominal	Bin Code	X		Y	Nominal	Bin Code	X	Y
	3500K	3A	0.3969		0.3934	4000K	4A	0.372	0.38
			0.4114		0.4007			0.3848	0.388
			0.4146		0.4089			0.387	0.3958
			0.3996		0.4015			0.3736	0.3874
		3B	0.3943		0.3853		4B	0.3703	0.3726
			0.4083		0.3921			0.3827	0.3802
			0.4114		0.4007			0.3848	0.388
			0.3969		0.3934			0.372	0.38
		3C	0.3916		0.3772		4C	0.3687	0.3652
			0.405		0.3838			0.3805	0.3724
			0.4082		0.3921			0.3827	0.3802
			0.3943		0.3853			0.3703	0.3726
		3D	0.3889		0.369		4D	0.367	0.3578
			0.4017		0.3752			0.3783	0.3646
			0.405		0.3838			0.3805	0.3724
0.3916			0.3771	0.3687	0.3652				
3E		0.4114	0.4007	4E	0.3848		0.388		
		0.4261	0.4077		0.3974		0.3962		
		0.4299	0.4165		0.4006		0.4044		
		0.4146	0.4089		0.387		0.3959		
3F		0.4082	0.3924	4F	0.3827		0.3802		
		0.4223	0.399		0.3952		0.388		
		0.4261	0.4077		0.3979		0.3962		
		0.4114	0.4007		0.3848		0.388		
3G		0.405	0.3838	4G	0.3805		0.3724		
		0.4185	0.3902		0.3925		0.3798		
		0.4223	0.399		0.3952		0.388		
		0.4082	0.3924		0.3827		0.3802		
3H		0.4017	0.3752	4H	0.3783		0.3646		
		0.4147	0.3814		0.3898		0.3716		
		0.4185	0.3902		0.3925		0.3798		
		0.405	0.3838		0.3805		0.3724		

Ceramic COB LED color Bin

Nominal	Bin Code	X	Y	Nominal	Bin Code	X	Y
4500K	5A	0.3539	0.3668	5000K	6A	0.3373	0.3554
		0.3628	0.3733			0.3457	0.3622
		0.3641	0.3804			0.3463	0.3687
		0.3548	0.3736			0.3376	0.3615
	5B	0.353	0.3601		6B	0.3371	0.3492
		0.3616	0.3663			0.3452	0.3557
		0.3628	0.3733			0.3457	0.3622
		0.3539	0.3668			0.3373	0.3554
	5C	0.3521	0.3533		6C	0.3368	0.3431
		0.3603	0.3592			0.3446	0.3492
		0.3616	0.3663			0.3452	0.3557
		0.353	0.3601			0.3371	0.3492
	5D	0.3512	0.3465		6D	0.3366	0.3369
		0.359	0.3521			0.344	0.3427
		0.3603	0.3592			0.3446	0.3492
		0.3521	0.3533			0.3368	0.3431
	5E	0.3628	0.3733		6E	0.3457	0.3622
		0.372	0.38			0.3542	0.3692
		0.3736	0.3874			0.3551	0.376
		0.3641	0.3804			0.3463	0.3687
	5F	0.3616	0.3663		6F	0.3452	0.3557
		0.3703	0.3726			0.3533	0.3624
		0.372	0.38			0.3542	0.3692
		0.3628	0.3733			0.3457	0.3622
	5G	0.3603	0.3592		6G	0.3446	0.3492
		0.3687	0.3652			0.3524	0.3555
		0.3703	0.3726			0.3533	0.3624
		0.3616	0.3663			0.3452	0.3557
	5H	0.359	0.3521		6H	0.344	0.3427
		0.367	0.3578			0.3515	0.3487
		0.3687	0.3652			0.3524	0.3555
		0.3603	0.3592			0.3446	0.3492
Nominal	Bin Code	X	Y	Nominal	Bin Code	X	Y
5700K	7A	0.3211	0.3407	6500K	8A	0.3038	0.3256
		0.3292	0.348			0.3122	0.334
		0.3291	0.3538			0.3115	0.3391
		0.3207	0.3462			0.3028	0.3304
	7B	0.3215	0.3353		8B	0.3048	0.3209
		0.3292	0.3422			0.313	0.3289
		0.3292	0.348			0.3122	0.334
		0.3211	0.3407			0.3038	0.3256
	7C	0.3218	0.3298		8C	0.3058	0.3161
		0.3293	0.3363			0.3137	0.3237
		0.3292	0.3422			0.313	0.3289
		0.3215	0.3353			0.3048	0.3209
	7D	0.3222	0.3243		8D	0.3068	0.3113
		0.3293	0.3305			0.3144	0.3186
		0.3293	0.3363			0.3137	0.3237
		0.3218	0.3298			0.3058	0.3161
	7E	0.3292	0.348		8E	0.3122	0.334
		0.3373	0.3554			0.3209	0.3426
		0.3376	0.3615			0.3205	0.3481
		0.3291	0.3538			0.3115	0.3391
	7F	0.3292	0.3422		8F	0.313	0.3289
		0.3371	0.3492			0.3213	0.3371
		0.3373	0.3554			0.3209	0.3426
		0.3292	0.348			0.3122	0.334
	7G	0.3293	0.3363		8G	0.3137	0.3237
		0.3368	0.3431			0.3217	0.3316
		0.3371	0.3492			0.3213	0.3371
		0.3292	0.3422			0.313	0.3289
	7H	0.3293	0.3305		8H	0.3144	0.3186
		0.3366	0.3369			0.3221	0.3261
		0.3368	0.3431			0.3217	0.3316
		0.3293	0.3363			0.3137	0.3237

1、Tolerance±0.005。

2、Above parameter applied to all ceramic COB LED.