

HCC P2 LED

Bin Table



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Product Nomenclature

Part Number

P 2 X₁ - X₂

X₁: Product Characteristic

X₂: Color

Group Code

Y₁Y₂ Y₃Y₄Y₅ Y₆Y₇Y₈

Y₁Y₂ : Luminous Flux / Radiation Power Bin

Y₃Y₄Y₅ : Color / Wavelength Bin

Y₆Y₇Y₈ : Forward Voltage Bin

Product Characteristic

Abbreviation	Product
O	For collimator
M	For miner lamp
N	

Color

Abbreviation	Color
W	White
R	Red
S	Super Red
A	Amber
G	Green
C	Cyan
B	Blue
D	Royal Blue
U	UV



Forward Voltage Binning

Forward voltage	Range (V)	
	Min.	Max.
V18	1.8	2
V20	2	2.2
V22	2.2	2.4
V24	2.4	2.6
V26	2.6	2.8
V28	2.8	3

Forward voltage	Range (V)	
	Min.	Max.
V30	3	3.2
V32	3.2	3.4
V34	3.4	3.6
V36	3.6	3.8
V38	3.8	4
V3X	3	3.6

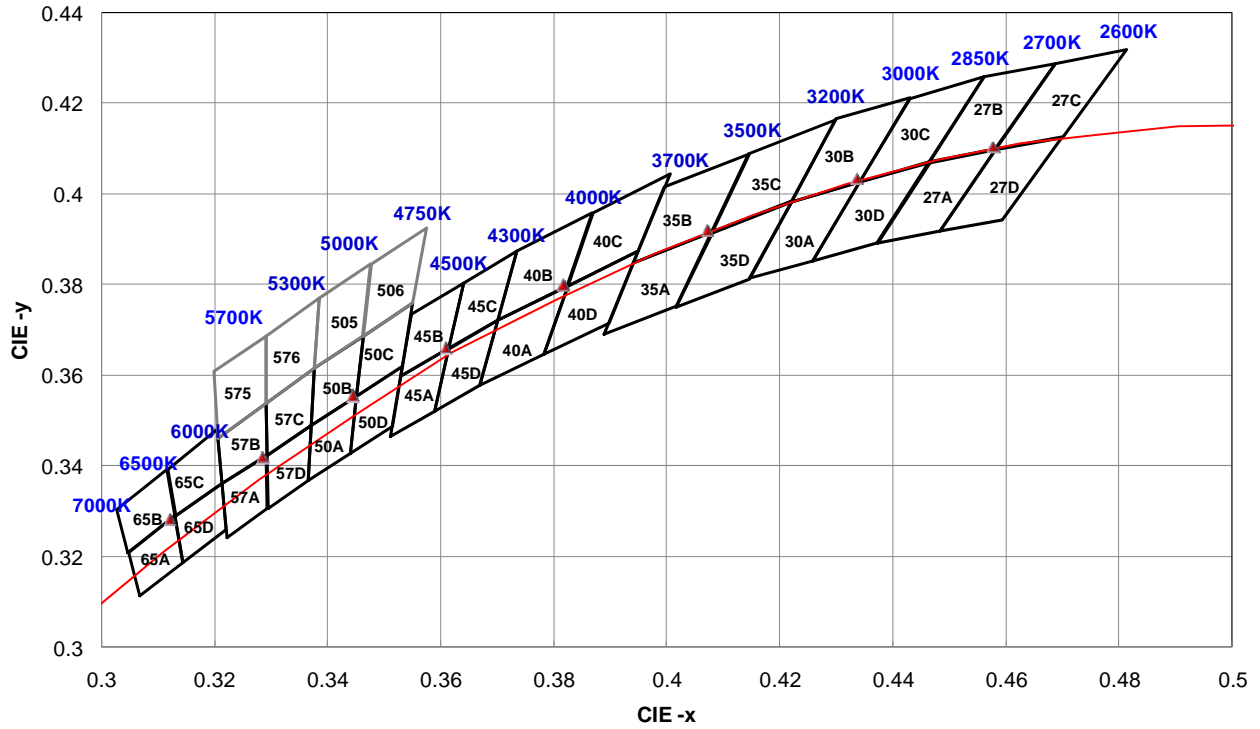


Wavelength Binning

Color	Abbreviation	Min.	Max.
Red	R10	620	625
	R20	625	630
	R30	630	635
Super Red	S20	655	665
Amber	A20	585	590
	A2A	585	587.5
	A2B	587.5	590
	A30	590	595
	A3A	590	592.5
	A3B	592.5	595
	A40	595	600
Green	G10	520	525
	G20	525	530
	G30	530	535
Cyan	C10	490	495
	C20	495	500
	C30	500	505
	C40	505	510
	C50	510	515
	C60	515	520
Blue	B10	460	465
	B20	465	470
	B30	470	475
Royal Blue	D10	440	445
	D20	445	450
	D30	450	455
	D40	455	460

White Color Binning

Overview





	x	y
65A	0.3068	0.3113
	0.3048	0.3209
	0.3131	0.3290
	0.3145	0.3187
65B	0.3048	0.3209
	0.3028	0.3304
	0.3117	0.3393
	0.3131	0.3290

	x	y
65C	0.3131	0.3290
	0.3117	0.3393
	0.3205	0.3481
	0.3214	0.3362
65D	0.3145	0.3187
	0.3131	0.3290
	0.3214	0.3362
	0.3221	0.3261

	x	y
57A	0.3222	0.3243
	0.3214	0.3362
	0.3293	0.3424
	0.3294	0.3306
57B	0.3214	0.3362
	0.3207	0.3462
	0.3292	0.3539
	0.3293	0.3424

	x	y
57C	0.3293	0.3424
	0.3292	0.3539
	0.3376	0.3616
	0.3371	0.3490
57D	0.3294	0.3306
	0.3293	0.3424
	0.3371	0.3490
	0.3366	0.3369

	x	y
575	0.3207	0.3462
	0.3200	0.3610
	0.3291	0.3687
	0.3291	0.3539
576	0.3291	0.3687
	0.3291	0.3539
	0.3376	0.3616
	0.3385	0.3770

	x	y
50A	0.3366	0.3369
	0.3371	0.3490
	0.3451	0.3554
	0.3440	0.3428
50B	0.3371	0.3490
	0.3376	0.3616
	0.3463	0.3687
	0.3451	0.3554

	x	y
50C	0.3451	0.3554
	0.3463	0.3687
	0.3551	0.3760
	0.3533	0.3620
50D	0.3440	0.3428
	0.3451	0.3554
	0.3533	0.3620
	0.3515	0.3487

	x	y
505	0.3376	0.3616
	0.3385	0.3770
	0.3477	0.3845
	0.3463	0.3687
506	0.3463	0.3687
	0.3477	0.3845
	0.3575	0.3925
	0.3551	0.3760



	x	y
45A	0.3512	0.3465
	0.3529	0.3597
	0.3615	0.3659
	0.3590	0.3521
45B	0.3529	0.3597
	0.3548	0.3736
	0.3641	0.3804
	0.3615	0.3659

	x	y
45C	0.3615	0.3659
	0.3641	0.3804
	0.3736	0.3874
	0.3702	0.3722
45D	0.3590	0.3521
	0.3615	0.3659
	0.3702	0.3722
	0.3670	0.3578

	x	y
40A	0.3670	0.3578
	0.3702	0.3722
	0.3825	0.3798
	0.3783	0.3646
40B	0.3702	0.3722
	0.3736	0.3874
	0.3869	0.3958
	0.3825	0.3798

	x	y
40C	0.3825	0.3798
	0.3869	0.3958
	0.4006	0.4044
	0.3950	0.3875
40D	0.3783	0.3646
	0.3825	0.3798
	0.3950	0.3875
	0.3898	0.3716

	x	y
35A	0.3889	0.3690
	0.3941	0.3848
	0.4080	0.3916
	0.4017	0.3751
35B	0.3941	0.3848
	0.3996	0.4015
	0.4146	0.4089
	0.4080	0.3916

	x	y
35C	0.4080	0.3916
	0.4146	0.4089
	0.4299	0.4165
	0.4221	0.3984
35D	0.4017	0.3751
	0.4080	0.3916
	0.4221	0.3984
	0.4147	0.3814



	x	y
30A	0.4147	0.3814
	0.4221	0.3984
	0.4342	0.4028
	0.4259	0.3853
30B	0.4221	0.3984
	0.4299	0.4165
	0.4430	0.4212
	0.4342	0.4028

	x	y
30C	0.4342	0.4028
	0.4430	0.4212
	0.4562	0.4260
	0.4465	0.4071
30D	0.4259	0.3853
	0.4342	0.4028
	0.4465	0.4071
	0.4373	0.3893

	x	y
27A	0.4373	0.3893
	0.4465	0.4071
	0.4582	0.4099
	0.4483	0.3919
27B	0.4465	0.4071
	0.4562	0.4260
	0.4687	0.4289
	0.4582	0.4099

	x	y
27C	0.4582	0.4099
	0.4687	0.4289
	0.4813	0.4319
	0.4700	0.4126
27D	0.4483	0.3919
	0.4582	0.4099
	0.4700	0.4126
	0.4593	0.3944