



LumiBright Products

Wavelength Table

The following table displays our standard LED wavelengths.

- Data is for single die, in air
- All die are nominally 1.07 μm on a side (42 mil)
- Board temperature for all die is 25°C
- Optical power and Lumens are measured at 350 mA
- Wavelength tolerance is +/- 2nm
- Dominant wavelength is measured with reference illuminant E



Bin	Peak Wavelength <i>(Varies with drive current)</i>		FWHM (Radiometric) [nm]	Dominant Wavelength (Photometric) λ _d [nm]	Nominal Optical Power [mW]	Nominal Lumens [lm]	Index Match Factor	V _f Avg. [Volts]
	λ _p min	λ _p max						
A3	360	365	9.3	-	70			4.04
A4	365	370	9.9	-	85			3.82
A5	370	375	10.3	-	113			3.76
A8	385	390	10.5	-	243			3.61
B0	395	400	11.7	-	266			3.29
B1	400	405	12.8	-	253			3.34
B8	435	440	16.4	444	326	6		3.22
C0	445	450	19.3	452	338	10		3.09
C3	460	465	21.4	468	338	22		2.98
C5	470	475	21.7	474	302	26		2.97
D2	505	510	33.7	507	111	37		3.14
D5	525	530	35.1	526	115	55		3.30
E9	590	600	14.3	592	60	29		2.06
F4	615	620	15.5	613	162	47		2.07
F6	625	630	15.1	621	174	37		2.06
G2	655	660	15.9	642	210	14		2.14
G5	670	675	21.9	662	22	0.6		1.85
G9	690	695	23.3	674	26	0.25		1.82
H7	730	735	23	-	118	-		2.05
I5	770	775	27	-	50	-		1.75
J3	810	815	30	-	58	-		1.45
K1	850	855	24	-	62.1	-		1.49
M5	970	975	35	-	28	-		1.25
WH	-	-	White	CCT 5700K +/-400	220	75		3.09

The LED wavelengths above are representative of our stock wavelengths. Bins and specifications may change. Should a specific wavelength or white CCT other than those listed be required, IOI will attempt to obtain it for you for which there may be an additional fee.