



LumiBright Products

Wavelength Table

The following table displays our standard LED wavelengths.

- Data is for single die, in air
- All die are square, approximately 1 mm on a side
- Board temperature for all die is 25°C
- UV♦ Bins - Optical power is measured at 500 mA
- VIS and IR bins - Optical power and/or Lumens are measured at 350 mA
- Wavelength tolerance is +/- 3nm



Bin	Peak Wavelength <i>Varies with drive current</i> <i>Tolerance is +/- 3nm</i>		FWHM (Radiometric)	Nominal Optical Power	Nominal Lumens	Index Match Factor	V _f Avg.
	Range		[nm]	[mW]	[lm]		[Volts]
♦A4	365	370	9.9	700			3.7
♦A5	370	375	10	750			3.6
♦A8	385	390	10	980			3.7
♦B0	395	400	10	980			3.65
♦B1	400	405	10	880			3.5
C0	445	450	19.3	338	10		3.09
C5	470	475	21	440	38		2.97
D5	520	525	35.1	115	55		3.30
E9	590	595	14.3	60	29		2.06
F4	615	620	15.5	162	47		2.07
F6	625	630	15.1	174	37		2.06
G2	655	660	20	230	14		2.14
G5	670	675	21.9	22	0.6		1.85
G9	690	695	23.3	26	0.25		1.82
H7	730	735	23	118	-		2.05
I5	770	775	27	50	-		1.75
J3	810	815	30	130	-		1.45
K1	850	855	24	62.1	-		1.49
*M5	970	975	35	28	-		1.25
WH	CCT 5700K +/-400		White	300	100		3.10

* Please note: This die bin is *reverse polarity*. Contact our Sales Engineer to discuss drive details.

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.