

LED Optical & Electrical Specifications



REV.6 03/31/2010

Color	Dimensions L x W x H (inch / mm)	LEDs per Unit	Current per Unit (mA)	Power per Unit (Watt)	Dominant Wavelength or CCT (nm / K)	Viewing Angle (Degree)	Ev per Unit (Lux)	Lumen per Unit (Lm) #	UL Recognized	RoHS Compliant	IP Rated
Premier LED Module											
Red	2.0" x 0.8" x 0.3"	2	27	0.4	620~630	100	160	8	Yes	Yes	Yes
Amber	(51 x 20 x 7mm)	2	27	0.4	588~593	100	150	7			
Green		2	44	0.6	520~525	100	320	13			
Blue		2	44	0.6	465~470	100	80	4			
White		2	36	0.5	5500~6500 K	100	500	18			
Warm White		2	36	0.5	3000~3500 K	100	500	17			
RGB		2	54	0.7	-	100	135 *	6			
Mini LED Module											
Red	1.2" x 0.4" x 0.3"	2	27	0.4	620~630	100	30 ●	1	Yes	Yes	Yes
Amber	(30 x 10 x 6mm)	2	27	0.4	588~593	100	35	1			
Green		2	22	0.3	520~525	100	65	3			
Blue		2	22	0.3	465~470	100	20	1			
White		2	18	0.3	6500~7500 K	100	110	6			
High Intensit LED Module											
Red	2.1" x 1.7" x 0.4"	1	130	1.6	620~630	120	370	15	Yes	Yes	Yes
Amber	(52 x 42 x 10mm)	1	130	1.6	588~593	120	490	25			
Green		1	130	1.6	520~525	120	570	19			
Blue		1	130	1.6	465~470	120	200	25			
White		1	130	1.6	6000~7000 K	120	560	28			
Warm White		1	130	1.6	3000~3500 K	120	510	18			
Regular LED Module											
Red	1.8" x 0.6" x 0.5"	4	27	0.4	620~630	100	50	3	Yes	Yes	Yes
Amber	(46 x 16 x 11mm)	4	27	0.4	588~593	100	60	3			
Green		3	22	0.3	520~525	100	135	3			
Blue		3	22	0.3	465~470	100	40	2			
White		4	36	0.5	5500~7500 K	100	200	8			

This data is tested in 30 cm integrating sphere. * This data is tested in full color. ● This data is tested at 3 inches depth.

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Flexible LED Strip											
Red	19.7" x 0.8" x 0.2"	30	270	3.5	620~630	100	250	16	Yes	Yes	No
Amber	(500 x 20 x 5mm)	30	270	3.5	588~593	100	200	16			
Green		30	220	3.0	520~525	100	390	45			
Blue		30	220	3.0	465~470	100	135	16			
White		30	180	2.2	6500~7500 K	100	650	85			
Warm White		30	180	2.2	3000~3500 K	100	580	60			
High Power LED Strip											
White	19.7" x 0.8" x 0.2"	20	360	4.5	5500~6500 K	100	2335	180	Yes	Yes	No
Warm White	(500 x 20 x 5mm)	20	360	4.5	3000~3500 K	100	1860	160			
RGB		20	600	7.2	-	100	600 *	60			
RGB Border Lite											
RGB	40.0" x 1.5" (1000 x 37mm)	40	1200	15.0	-	270	-	-	Yes	Yes	Yes
LED Cluster											
White	1.6" x 1.6" x 0.2"	9	100	1.2	5500~6500 K	100	1650	80	No	Yes	No
Warm White	(40 x 40 x 5mm)	9	100	1.2	3000~3500 K	100	1620	75			
RGB+A Flood Light											
RGBA	19.7" x 3.2" x 4.7" (500 x 80 x 120mm)	24	1000	24.0	-	60 ▪	-	1200	Yes	Yes	Yes

This data is tested in 30 cm integrating sphere.

* This data is tested in full color.

▪ Lens options available.