

# Light-Emitting Diode

## High Power LED

**ELECSOUND®**

Part Number	Chip			Forward Current (mA)	VF(V)	Luminous Flux (lm)	Angle 201/2
	Power	Emitted Color	Wave Length λD(nm)				

### Lambertian B high power LED without PCB



LB-P200R1C-H	1W (IF=350 mA)	Red	625-640	350mA	2.0-2.6	30-50	110
LB-P200Y1C-H		Yellow	580-595	350mA	2.0-2.6	30-50	110
LB-P200B2C-H		Blue	460-470	350mA	3.0-3.4	15-20	110
LB-P200G3C-H		Green	515-530	350mA	3.0-3.4	60-80	110
LB-P20W2C		White	6000-7000K	350mA	3.0-3.4	70-80	110
LB-P200W2CB		White	6000-7000K	350mA	3.0-3.4	80-100	110
LB-P200W2C60		White	6000-7000K	350mA	3.0-3.4	100-110	110
LB-P200W3C-H		Warm White	2700-3300K	350mA	3.0-3.4	80-100	110
LB-P200R1C-H3	3W (IF=700mA)	Red	625-640	750mA	2.5-3.0	70-80	110
LB-P200Y1C-H3		Yellow	580-595	750mA	2.3-2.8	60-70	110
LB-P200B2C-H3		Blue	460-470	750mA	3.4-4.0	25-35	110
LB-P200G3C-H3		Green	515-530	750mA	3.0-3.8	110-130	110
LB-P200W2C-H3		White	6000-7000K	750mA	3.5-4.0	160-200	110
LB-P200W3C-H3		Warm White	2700-3300K	750mA	3.5-4.0	110-130	110

### Lambertian B high power LED with PCB



LB2-P200R1C-H	1W (IF=350 mA)	Red	625-640	350mA	2.0-2.6	30-50	110
LB2-P200Y1C-H		Yellow	580-595	350mA	2.0-2.6	30-50	110
LB2-P200B2C-H		Blue	460-470	350mA	3.0-3.4	15-20	110
LB2-P200G3C-H		Green	515-530	350mA	3.0-3.4	60-80	110
LB2-P200W2C-H		White	6000-7000K	350mA	3.0-3.4	80-100	110
LB2-P200W2CB		White	6000-7000K	350mA	3.0-3.4	100-110	110
LB2-P200W3C-H		Warm White	2700-3300K	350mA	3.0-3.4	80-100	110
LB2-P200R1C-H3	3W (IF=700mA)	Red	625-640	750mA	2.5-3.0	60--70	110
LB2-P200Y1C-H3		Yellow	580-595	750mA	2.3-2.8	60--70	110
LB2-P200B2C-H3		Blue	460-470	750mA	3.4-4.0	25-35	110
LB2-P200G3C-H3		Green	515-530	750mA	3.0-3.8	60--70	110
LB2-P20WC3-60		White	6000-7000K	750mA	3.5-4.0	160-200	110
LB2-P200W3C-H3		Warm White	2700-3300K	750mA	3.5-4.0	110-160	110

**Elecsound Technology Company Limited**

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## High Power LED

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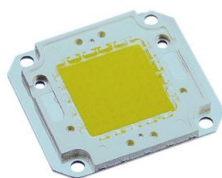
Part Number	Chip			Forward Current (mA)	VF(V)	Luminous Flux (lm)	Angle 201/2
	Power	Emitted Color	Wave Length λD(nm)				

### High power LED with PCB



P5FR143	5W	Red	620-630	700mA	4.0-5.0	130-150	110
P5FY143		Yellow	585-595	700mA	4.0-5.0	120-140	110
P5FB243		Blue	460-470	700mA	6.0-7.0	50-60	110
P5FG343		Green	520-530	700mA	6.0-7.0	180-200	110
P5FW243		White	6000-7000K	700mA	6.0-7.0	300-350	110
P5FW343		Warm White	2700-3300K	700mA	6.0-7.0	300-350	110
P10FR143		10W	Red	620-630	1050mA	6-7	300-450
P10FY143	Yellow		585-595	1050mA	6-7	300-450	110
P10FB243	Blue		460-470	1050mA	9-10	120-150	110
P10FG343	Green		520-530	1050mA	9-10	450-600	110
P10FW243	White		6000-7000K	1050mA	9-10	700-1000	110
P10FW343	Warm White		2700-3300K	1050mA	9-10	700-1000	110

### High power LED with PCB



High power LED with PCB

P20FR143	20W	Red	620-630	1400mA	10-12	600-800	110
P20FY143		Yellow	585-590	1400mA	10-12	600-800	110
P20FB243		Blue	460-470	1400mA	15-17	200-240	110
P20FG343		Green	520-530	1400mA	15-17	1000-2000	110
P20FW243		White	6000-7000K	1400mA	15-17	1800-2000	110
P20FW343		Warm White	2700-3300K	1400mA	15-17	1600-1800	110
P30CR143		30W	Red	620-630	1050mA	20-25	1200-1800
P30CY143	Yellow		588-593	1050mA	20-25	1200-1800	110
P30CB243	Blue		460-470	1050mA	30-34	450-900	110
P30CG343	Green		520-525	1050mA	30-34	1800-2400	110
P30CW243	White		6000-7000K	1050mA	30-34	2400-3000	110
P30CW343	Warm White		3000-3500K	1050mA	30-34	2400-3000	110

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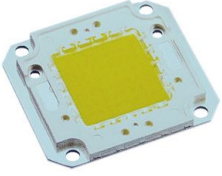
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# Light-Emitting Diode

## High Power LED

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Part Number	Chip			Forward Current (mA)	VF(V)	Luminous Flux (lm)	Angle 2θ/2
	Power	Emitted Color	Wave Length λD(nm)				

**High power LED with PCB**

P50CR143	50W	Red	620-630	1750mA	20-25	2000-3000	110
P50CY143		Yellow	588-593	1750mA	20-25	2000-3000	110
P50CB243		Blue	460-470	1750mA	30-34	750-1500	110
P50CG343		Green	520-525	1750mA	30-34	3000-4000	110
P50CW243		White	6000-7000K	1750mA	30-34	4000-5000	110
P50CW343		Warm White	3000-3500K	1750mA	30-34	4000-5000	110
P100CR143		100W	Red	620-630	3500mA	20-25	4000-6000
P100CY143	Yellow		588-593	3500mA	20-25	4000-6000	110
P100CB243	Blue		460-470	3500mA	30-34	1500-3000	110
P100CG343	Green		520-525	3500mA	30-34	6000-8000	110
P100CW243	White		6000-7000K	3500mA	30-34	8000-10000	110
P100CW343	Warm White		3000-3500K	3500mA	30-34	8000-10000	110

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