

LEDENGIN Hi Power LEDs

LedEngin, Inc.

Compatible heat sinks can be found in our Thermal Management Section of this catalog.



This product is RoHS compliant.

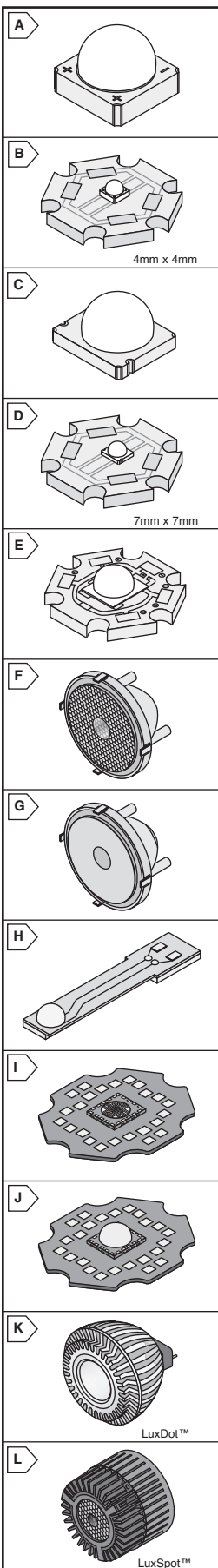


For quantities of 200 and up, call for quote.

LEDENGIN SOLID STATE LIGHTING

* Recommended Cooler Master Heatsink will need to be purchased separately.

MOUSER STOCK NO.	LedEngin Part No.	Fig.	Color	Wavelength (nm)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (mA)	Recommended Heatsink*	Price Each			
										1	10	50	100
5 Watt Power LEDs													
897-LZ100R305	LZ1-00R305	A	Far Red	725 - 745	310mW	5.0	2.9	1000	---	9.90	9.35	8.80	8.25
897-LZ100R205	LZ100R205	A	Deep Red	661	450mW	5.0	2.9	1000	---	9.90	9.35	8.80	8.25
897-LZ100R105	LZ100R105	A	Red	625	91	5.0	2.5	1000	---	7.11	6.72	6.32	5.93
897-LZ100A105	LZ100A105	A	Amber	590	75	5.0	2.7	1000	---	7.11	6.72	6.32	5.93
897-LZ100G105	LZ100G105	A	Green	525	140	5.0	3.6	1000	---	9.00	8.50	8.00	7.50
897-LZ100B205	LZ100B205	A	Blue	465	40	5.0	3.6	1000	---	8.10	7.65	7.20	6.75
897-LZ100WW05	LZ100WW05	A	Warm White	2870-3700K	105	5.0	3.6	1000	---	8.10	7.65	7.20	6.75
897-LZ100NW05	LZ100NW05	A	Neutral White	3700-4750K	150	5.0	3.6	1000	---	8.10	7.65	7.20	6.75
897-LZ100CW05	LZ100CW05	A	Cool White	5000-10000K	166	5.0	3.6	1000	---	7.11	6.72	6.32	5.93
897-LZ110R305	LZ1-10R305	B	Far Red	725 - 745	310mW	5.0	2.9	1000	---	11.70	11.05	10.40	9.75
897-LZ110R205	LZ110R205	B	Deep Red	661	450mW	5.0	2.9	1000	ECB-00529-01-GP	11.70	11.05	10.40	9.75
897-LZ110R105	LZ110R105	B	Red	625	91	5.0	2.5	1000	ECB-00529-01-GP	8.91	8.42	7.92	7.43
897-LZ110A105	LZ110A105	B	Amber	590	75	5.0	2.7	1000	ECB-00529-01-GP	8.91	8.42	7.92	7.43
897-LZ110G105	LZ110G105	B	Green	525	140	5.0	3.6	1000	ECB-00529-01-GP	10.80	10.20	9.60	9.00
897-LZ110DB05	LZ110DB05	B	Dental Blue	460	900mW	5.0	3.6	1000	ECB-00529-01-GP	21.19	20.01	18.83	17.66
897-LZ110B205	LZ110B205	B	Blue	465	40	5.0	3.6	1000	ECB-00529-01-GP	9.90	9.35	8.80	8.25
897-LZ110WW05	LZ110WW05	B	Warm White	2870-3700K	105	5.0	3.6	1000	ECB-00529-01-GP	9.90	9.35	8.80	8.25
897-LZ110NW05	LZ110NW05	B	Neutral White	3700-4750K	150	5.0	3.6	1000	ECB-00529-01-GP	9.90	9.35	8.80	8.25
897-LZ110CW05	LZ110CW05	B	Cool White	5000-10000K	166	5.0	3.6	1000	ECB-00529-01-GP	9.90	9.35	8.80	8.25
10 Watt Power LEDs - Independent Connected MCPCB													
897-LZ400R210	LZ400R210	C	Deep Red	661	1.9W	10.0	11.6	700	---	28.80	27.04	26.15	25.24
897-LZ400R110	LZ400R110	C	Red	627	260	10.0	9.4	700	---	24.00	22.50	21.00	20.25
897-LZ400A110	LZ400A110	C	Amber	590	200	10.0	10.1	700	---	24.00	22.50	21.00	20.25
897-LZ400G110	LZ400G110	C	Green	525	425	10.0	14.4	700	---	36.80	34.50	32.20	31.05
897-LZ400B210	LZ400B210	C	Blue	465	116	10.0	14.0	700	---	28.80	27.00	25.20	24.30
897-LZ400WW10	LZ400WW10	C	Warm White	2870-3700K	320	10.0	14.0	700	---	28.80	27.00	25.20	24.30
897-LZ400NW10	LZ400NW10	C	Neutral White	3700-4750K	400	10.0	14.0	700	---	28.80	27.00	25.20	24.30
897-LZ400CW10	LZ400CW10	C	Cool White	5000-10000K	550	10.0	14.0	700	---	28.80	27.00	25.20	24.30
897-LZ420R210	LZ420R210	D	Deep Red	661	1.9W	10.0	11.6	700	ECC-00500-01-GP	32.50	30.87	29.12	28.15
897-LZ420R110	LZ420R110	D	Red	627	260	10.0	9.4	700	ECC-00500-01-GP	27.20	25.50	23.80	22.95
897-LZ420A110	LZ420A110	D	Amber	590	200	10.0	10.1	700	ECC-00500-01-GP	27.20	25.50	23.80	22.95
897-LZ420G110	LZ420G110	D	Green	525	425	10.0	14.4	700	ECC-00500-01-GP	41.12	38.77	35.63	32.57
897-LZ420DB10	LZ420DB10	D	Dental Blue	460	2.6W	10.0	14.0	700	ECC-00500-01-GP	83.20	78.00	72.80	70.20
897-LZ420B210	LZ420B210	D	Blue	465	116	10.0	14.0	700	ECC-00500-01-GP	32.00	30.00	28.00	27.00
897-LZ420WW10	LZ420WW10	D	Warm White	2870-3700K	320	10.0	14.0	700	ECC-00500-01-GP	32.00	30.00	28.00	27.00
897-LZ420NW10	LZ420NW10	D	Neutral White	3700-4750K	400	10.0	14.0	700	ECC-00500-01-GP	32.00	30.00	28.00	27.00
897-LZ420CW10	LZ420CW10	D	Cool White	5000-10000K	550	10.0	14.0	700	ECC-00500-01-GP	32.00	30.00	28.00	27.00
897-LZ420MC10	LZ420MC10	D	RGB	625/525/460	85/230/30	10.0	2.47/23.5	700	ECC-00500-01-GP	32.00	30.00	28.00	27.00
897-LZ420MA10	LZ420MA10	D	RGBA	625/525/460/590	85/115/30/60	10.0	2.43/63.5/2.5	700	ECC-00500-01-GP	32.00	30.00	28.00	27.00
10 Watt Power LEDs - Serially Connected MCPCB													
897-LZ440R210	LZ440R210	E	Deep Red	661	1.9W	10.0	11.6	700	ECC-00531-01-GP	32.50	30.87	29.12	28.15
897-LZ440R110	LZ440R110	E	Red	627	260	10.0	9.4	700	ECC-00531-01-GP	27.20	25.50	23.80	22.95
897-LZ440G110	LZ440G110	E	Green	525	425	10.0	14.4	700	ECC-00531-01-GP	41.12	38.77	35.63	32.57
897-LZ440B210	LZ440B210	E	Blue	465	116	10.0	14.0	700	ECC-00531-01-GP	38.40	36.00	33.60	32.40
897-LZ440WW10	LZ440WW10	E	Warm White	2870-3700K	320	10.0	14.0	700	ECC-00531-01-GP	32.00	30.00	28.00	27.00
897-LZ440NW10	LZ440NW10	E	Neutral White	3700-4750K	400	10.0	14.0	700	ECC-00531-01-GP	32.00	30.00	28.00	27.00
897-LZ440CW10	LZ440CW10	E	Cool White	5000-10000K	550	10.0	14.0	700	ECC-00531-01-GP	32.00	30.00	28.00	27.00



Hi-Power LEDs
LedEngin

LEDENGIN COLOR MIXING LENSES FOR 10 WATT LEDs

Specifications:

- Excellent color mixing over the full color spectrum
- Designed specifically for 10W multi-color LEDs
- Compatible with Standard MCPCB assemblies

- Optical grade PMMA lens material allows use of high current and temperature conditions
- Epoxy or Polyurethane (not Superglue) can be used to fasten the holder to PCB



For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	LedEngin Part No.	Fig.	Viewing Angle	Optical Efficiency	Color Mixing	Operating Temperature	Price Each			
							1	10	50	100
897-LLSP1T06H	LLSP-1T06-H	F	18°	90%	---	-40°C ~ +110°C	2.99	2.70	2.48	2.25
897-LLSP2T06H	LLSP-2T06-H	G	15°	50%	Superior	-40°C ~ +110°C	3.49	3.15	2.89	2.63

LEDENGIN 15 WATT POWER LEDs

* Recommended Cooler Master Heatsink will need to be purchased separately.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	LedEngin Part No.	Fig.	Color	Wavelength (nm)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (mA)	Recommended Heatsink*	Price Each			
										1	10	50	100
897-LZ400R115	LZ400R115	H	Red	628	430	15.0	11.4	1000	ECC-00499-01-GP	31.00	29.00	27.00	26.00
897-LZ400G115	LZ400G115	H	Green	525	530	15.0	15.4	1000	ECC-00499-01-GP	43.40	40.60	37.80	36.40
897-LZ400B215	LZ400B215	H	Blue	465	160	15.0	15.1	1000	ECC-00499-01-GP	35.65	33.35	31.05	29.90
897-LZ400WW15	LZ400WW15	H	Warm White	2870-3700K	400	15.0	15.1	1000	ECC-00499-01-GP	35.65	33.35	31.05	29.90
897-LZ400NW15	LZ400NW15	H	Neutral White	3700-4750K	480	15.0	15.1	1000	ECC-00499-01-GP	35.65	33.35	31.05	29.90
897-LZ400CW15	LZ400CW15	H	Cool White	5000-10000K	600	15.0	15.1	1000	ECC-00499-01-GP	35.65	33.35	31.05	29.90

LEDENGIN 40 WATT POWER LEDs

* Recommended Cooler Master Heatsink will need to be purchased separately.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	LedEngin Part No.	Fig.	Color	Color Temp (K)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (mA)	Recommended Heatsink*	Price Each			
										1	10	50	100
897-LZC80MC40	LZC-80MC40	I	RGB	---	---	---	---	---	---	60.00	58.00	55.00	52.00
897-LZC70NW40	LZC-70NW40	J	Warm White	3100	1900	40	43.8	1000	---	60.00	58.00	55.00	52.00
897-LZC70NW40	LZC-70NW40	J	Neutral White	4100	2100	40	43.8	1000	---	60.00	58.00	55.00	52.00
897-LZC70CW40	LZC-70CW40	J	Cool White	5500	2400	40	43.8	1000	---	60.00	58.00	55.00	52.00

LEDENGIN LENS FOR 40 WATT POWER LEDs

* Recommended Cooler Master Heatsink will need to be purchased separately.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	LedEngin Part No.	Fig.	Viewing Angle	Optical Efficiency	Color Mixing	Operating Temperature	Price Each			
							1	10	50	100
897-LLNF3T08	LLNF-3T08	F	24°	82%	Excellent	-40°C ~ +110°C	4.49	4.19	3.98	3.65
897-LLFL3T08	LLFL-3T08	F	35°	82%	Excellent	-40°C ~ +110°C	4.49	4.19	3.98	3.65

LEDENGIN MR16 LED MODULES

* Recommended Cooler Master Heatsink will need to be purchased separately.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	LedEngin Part No.	Fig.	Color	Color Temp	Luminous Flux (lm)	CRI	Lux @ 1M (lx)	Power (W)	Voltage (VDC)	Beam Type	Price Each			
											1	10	50	100
897-LD16022W07	LD16022W07	K	Warm White	2900K	160	80	800	6.2	12	Narrow Flood 22°	43.20	41.06	39.12	37.35
897-LS17002W31	LS17-002W31	L	Warm White	3100K	425	85	2650	14.5	24	Narrow Flood 21°	92.80			