

LEDENGIN High-Power LEDs

RoHS Compliant This product is RoHS compliant.

LED ENGIN

LED Lighting

LedEngin

SOLID STATE LIGHTING

MOUSER STOCK NO.	LedEngin Part No.	Fig.	Color	Wavelength (nm)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (mA)	Price Each					
									1	10	50	100		
5 Watt Power LEDs														
897-LZC70CW00	LZC-70CW00	A	Amber	590	105	5.0	2.6	1000	36.40	35.14	32.63	32.26		
897-LZ110R200	LZ1-10R200	B	Dental Blue	460	900mW	5.0	3.6	1000	7.83	7.40	6.96	6.53		
897-LZ100NW00	LZ1-00NW00	A	Neutral White	Color Temp (K)		3700-4750	190	5.0	3.6	1000	3.10	2.90	2.75	2.56
10 Watt Power LEDs, Serially Connected MCPCB														
897-LZ440G100	LZ4-40G100	B	Green	523	480	10.0	14.4	700	16.80	15.75	15.23	14.70		

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

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	C	18°	90%	- - -	-40°C ~ +110°C	2.99	2.70	2.48	2.25
897-LLSP2T06H	LLSP-2T06-H	D	15°	50%	Superior	-40°C ~ +110°C	3.49	3.15	2.89	2.63

LENS FOR 40 WATT POWER LEDs

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	E	24°	82%	Excellent	-40°C ~ +110°C	4.49	4.19	3.98	3.65
897-LLFL3T08	LLFL-3T08	E	35°	82%	Excellent	-40°C ~ +110°C	4.49	4.19	3.98	3.65
897-LLWF3T08H	LLWF-3T08-H	E	45°	82%	Excellent	-40°C ~ +110°C	4.49	4.19	3.98	3.65

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

HIGH UNIFORMITY LENS FOR 10 WATT LEDs

- Features:**
- Smooth light gradient eliminates hot spots and rings for superior illumination
 - Compatible with our standard MCPCB assemblies
 - Designed specifically for 10 watt single color emitter series. Part numbers: LZ4-xxxx10
 - Optical grade PMMA lens material allows use of high current and temperature conditions
 - Simple fastening of holder to PCB with appropriate adhesive, e.g. epoxy or polyurethane based.
 - Patent pending

MOUSER STOCK NO.	LedEngin Part No.	Fig.	Viewing Angle	Optical Efficiency	Color Mixing	Operating Temperature	Price Each			
							1	10	50	100
897-LLFL1T06H	LLFL-1T06-H	E	37°	90%	Excellent	-40°C ~ +110°C	2.99	2.70	2.48	2.25
897-LLNF1T06H	LLNF-1T06-H	E	23°	90%	Excellent	-40°C ~ +110°C	2.99	2.70	2.48	2.25
897-LLNS1T06H	LLNS-1T06-H	E	12°	90%	Excellent	-40°C ~ +110°C	2.99	2.70	2.48	2.25

90 WATT LZP SERIES LEDs

- Features:**
- Highest luminous flux/area single LED emitter
 - Unique power package design allows emitter to be driven reliably at 100mA/die, 90W
 - Industry leading lumen maintenance
 - Color Point Stability 7x improvement over Energy Star requirements
 - High CRI performance for true color rendering
 - Surface mount ceramic package with integrated glass lens
 - JEDEC Level 1 for Moisture Sensitivity Level
 - Complementary TIR lens family (LLxx-3T11) specifically designed for LZP series LEDs

- Applications:**
- High Bay and Low Bay
 - General lighting
 - Stage and Studio lighting
 - Architectural lighting
 - Street lighting

MOUSER STOCK NO.	LedEngin Part No.	Fig.	Color	Color Temperature	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (mA)	Price Each			
									1	10	50	100
897-LZPD0W00	LZP-D0W00	F	Warm White	3100 K	3800	90	21.9	1000	75.40	72.80	67.60	66.83
897-LZPD0N00	LZP-D0N00	F	Neutral White	4100 K	4600	90	21.9	1000	75.40	72.80	67.60	66.83
897-LZPD0CW00	LZP-D0CW00	F	Cool White	5500 K	5500	90	21.9	1000	75.40	72.80	67.60	66.83

LENS FOR 90 WATT POWER LEDs

MOUSER STOCK NO.	LedEngin Part No.	Fig.	Viewing Angle	Optical Efficiency	Color Mixing	Operating Temperature	Price Each			
							1	10	50	100
897-LLNF3T11H	LLNF-3T11-H	G	23°	80%	Excellent	-40°C ~ +110°C	4.49	4.19	3.98	3.65
897-LLFL3T11H	LLFL-3T11-H	G	32°	80%	Excellent	-40°C ~ +110°C	4.49	4.19	3.98	3.65

LUXSPOT™ ALTA SERIES LAMPS

MOUSER STOCK NO.	LedEngin Part No.	Fig.	Color	Color Temp (K)	Center Beam Candlepower (cd)	CRI	Light Output (lumens)	Power (W)	Voltage Typ.	Price Each	
										Beam Type	Price Each
897-LS17202W31A	LS17-202W31A	H	Warm White	3100	4000	85	900	21	24	Narrow Flood 23°	114.00

LUXDOT™ SERIES LAMPS

MOUSER STOCK NO.	LedEngin Part No.	Fig.	Color	Color Temp (K)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (mA)	Price Each		
									Beam Type	Price Each	
897-LD16022N41	LD16-022N41	I	Neutral White	4100	1100	75	210	5.7	12	Narrow Flood 23°	34.95

LUXPAR™ SERIES LAMPS

MOUSER STOCK NO.	LedEngin Part No.	Fig.	Color	Color Temp (K)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (mA)	Price Each		
									Beam Type	Price Each	
PAR20 Series											
897-LP20031W31	LP20-031W31	J	Warm White	3100K	2500	85	300	6.7	120VAC	Spot 15°	49.50
897-LP20032W31	LP20-032W31	J	Warm White	3100K	1500	85	300	6.7	120VAC	Narrow Flood 23°	49.50
PAR38 Series											
897-LP38032W31	LP38-032W31	K	Warm White	3100K	4000	85	800	17	120VAC	Narrow Flood 23°	95.00

