

LEDENGIN High-Power LEDs

RoHS Compliant This product is RoHS compliant.

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

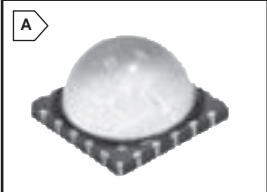
LED ENGIN

LED Lighting

LedEngin

40 WATT POWER LEDs

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
897-LZC00MA40	LZC-00MA40	A	RGBA	625/523/462/590	245/335/90/205	40	7.0/12.6/10.5/7.0	1000	40.60	39.20	36.40	35.98
897-LZC00MD40	LZC-00MD40	A	RGBW	625/523/462/---	245/335/90/405	---	7.0/12.6/10.5/10.5	1000	40.60	39.20	36.40	35.98
897-LZCA0MA40	LZC-A0MA40	B	RGBA	625/523/462/590	245/335/90/205	40	7.0/12.6/10.5/7.0	1000	43.50	42.00	39.00	38.55
897-LZCA0MD40	LZC-A0MD40	B	RGBW	625/523/462/---	245/335/90/405	---	7.0/12.6/10.5/10.5	1000	43.50	42.00	39.00	38.55
Color Temp (K)												
1x12 Pattern LEDs												
897-LZC00WW40	LZC-00WW40	A	Warm White	3100	1900	40	43.8	1000	42.05	40.60	37.70	37.27
897-LZC00CW40	LZC-00CW40	A	Cool White	5500	2400	40	43.8	1000	42.05	40.60	37.70	37.27
897-LZC70WW40	LZC-70WW40	B	Warm White	3100	1900	40	43.8	1000	44.95	43.40	40.30	39.84
2x6 Pattern LEDs												
897-LZCC0WW40	LZC-C0WW40	B	Warm White	3100	1900	40	21 per String	1000	44.95	43.40	40.30	39.84
897-LZCC0CW40	LZC-C0CW40	B	Cool White	5500	2400	40	21 per String	1000	44.95	43.40	40.30	39.84



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

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

PRODUCT NEW

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	C	37°	90%	Excellent	-40°C ~ +110°C	2.99	2.70	2.48	2.25
897-LLNF1T06H	LLNF-1T06-H	C	23°	90%	Excellent	-40°C ~ +110°C	2.99	2.70	2.48	2.25
897-LLNS1T06H	LLNS-1T06-H	C	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

NEW! TECHNOLOGY

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-LZPD0WW00	LZP-D0WW00	D	Warm White	3100 K	3800	90	21.9	1000	75.40	72.80	67.60	66.83
897-LZPD0N000	LZP-D0N000	D	Neutral White	4100 K	4600	90	21.9	1000	75.40	72.80	67.60	66.83
897-LZPD0C000	LZP-D0C000	D	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	E	23°	80%	Excellent	-40°C - +110°C	4.49	4.19	3.98	3.65
897-LLFL3T11H	LLFL-3T11-H	E	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.	Beam Type	Price Each
											114.00
897-LS17202W31A	LS17-202W31-A	F	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)	Center Beam Candlepower (cd)	CRI	Light Output (lumens)	Power (W)	Voltage Typ.	Beam Type	Price Each
											34.95
897-LD16022N41	LD16-022N41	G	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)	Center Beam Candlepower (cd)	CRI	Light Output (lumens)	Power (W)	Voltage Typ.	Beam Type	Price Each
											49.50
897-LP20031W31	LP20-031W31	H	Warm White	3100K	2500	85	300	6.7	120VAC	Spot 15°	49.50
897-LP20032W31	LP20-032W31	H	Warm White	3100K	1500	85	300	6.7	120VAC	Narrow Flood 23°	49.50
897-LP38032W31	LP38-032W31	I	Warm White	3100K	4000	85	800	17	120VAC	Narrow Flood 23°	95.00