

# LEDENGIN Hi Power LEDs

LedEngin, Inc.



This product is RoHS compliant.

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

## LEDENGIN 15 WATT POWER LEDs

### Features:

- High Luminous Efficiency
- Unique package design with ceramic substrate, integrated glass lens and Flex PCB
- New industry standard for Lumen Maintenance (>90% at 100,000 Hours)
- Extremely low Thermal Resistance (2.6°C/W)

- Isolated thermal path - electrical connections on Flex PCB
- Mount directly to heatsink - MCPCB not required
- Industry's highest Luminous Flux density
- High ESD protection (> 8 kV HBM)

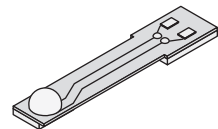
### Applications:

- Architectural lighting
- Emergency lighting
- Automotive and Marine lighting
- Stage and Studio lighting
- Beacons and Buoys
- Airfield lighting and signs
- Machine vision
- RGB fixtures

\*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	100	
897-LZ400R115	LZ4-00R115	A	Red	628	430	15.0	11.4	1000	ECC-00499-01-GP	31.00	29.00	27.00	26.00
897-LZ400G115	LZ4-00G115	A	Green	525	530	15.0	15.4	1000	ECC-00499-01-GP	43.40	40.60	37.80	36.40
897-LZ400B215	LZ4-00B215	A	Blue	465	160	15.0	15.1	1000	ECC-00499-01-GP	35.65	33.35	31.05	29.90
				Color Temp (K)									
897-LZ400WW15	LZ4-00WW15	A	Warm White	2870-3700K	400	15.0	15.1	1000	ECC-00499-01-GP	35.65	33.35	31.05	29.90
897-LZ400NW15	LZ4-00NW15	A	Neutral White	3700-4750K	480	15.0	15.1	1000	ECC-00499-01-GP	35.65	33.35	31.05	29.90
897-LZ400CW15	LZ4-00CW15	A	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

### Features:

- High Luminous Efficiency
- Small foot print - 9.0mm x 9.0mm x 5.4mm
- Surface mount ceramic package with integrated glass lens
- Extremely low Thermal Resistance (0.7°C/W)
- Ultra high Luminous Flux density
- Color Rendering Index CRI 85, R9 30

- New industry standard for Lumen Maintenance (>90% at 100,000 Hours)
- Reflow solderable (up to 6 cycles)
- Emitter available on Serial MCPCB (optional)
- Recommend use with LL-3T08 lens family to provide standard beam patterns suitable for general lighting applications

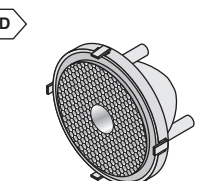
### Applications:

- General lighting
- Down lighting
- Stage and Studio lighting
- Architectural lighting
- Street lighting
- Refrigeration lighting
- Portable lighting



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)	Price Each			
									1	10	100	
897-LZC00MC40	LZC-00MC40	B	RGB	625/523/462	330/430/120	40	9.4/16.8/14	1000	49.50	47.85	43.19	41.95
897-LZC00MA40	LZC-00MA40	B	RGBA	625/523/462/590	245/335/90/205	40	7.0/12.6/10.5/7.0	1000	49.50	47.85	43.19	41.95
897-LZC00MD40	LZC-00MD40	B	RGBA	625/523/462/---	245/335/90/405	---	7.0/12.6/10.5/10.5	1000	49.50	47.85	43.19	41.95
897-LZC80MC40	LZC-80MC40	C	RGB	625/523/462	330/430/120	40	9.4/16.8/14	1000	60.00	58.00	52.35	50.85
897-LZC00MA40	LZC-A0MA40	C	RGBA	625/523/462/590	245/335/90/205	40	7.0/12.6/10.5/7.0	1000	60.00	58.00	52.35	50.85
897-LZC00MD40	LZC-A0MD40	C	RGBA	625/523/462/---	245/335/90/405	---	7.0/12.6/10.5/10.5	1000	60.00	58.00	52.35	50.85
				Color Temp (K)								
<b>1x12 Pattern LEDs</b>												
897-LZC00WW40	LZC-00WW40	B	Warm White	3100	1900	40	43.8	1000	49.50	47.85	43.19	41.95
897-LZC00NW40	LZC-00NW40	B	Neutral White	4100	2100	40	43.8	1000	49.50	47.85	43.19	41.95
897-LZC00CW40	LZC-00CW40	B	Cool White	5500	2400	40	43.8	1000	49.50	47.85	43.19	41.95
897-LZC70WW40	LZC-70WW40	C	Warm White	3100	1900	40	43.8	1000	60.00	58.00	52.35	50.85
897-LZC70NW40	LZC-70NW40	C	Neutral White	4100	2100	40	43.8	1000	60.00	58.00	52.35	50.85
897-LZC70CW40	LZC-70CW40	C	Cool White	5500	2400	40	43.8	1000	60.00	58.00	52.35	50.85
<b>2x6 Pattern LEDs</b>												
897-LZC00WW40	LZC-C0WW40	C	Warm White	3100	1900	40	21 per String	1000	60.00	58.00	52.35	50.85
897-LZC00NW40	LZC-C0NW40	C	Neutral White	4100	2100	40	21 per String	1000	60.00	58.00	52.35	50.85
897-LZC00CW40	LZC-C0CW40	C	Cool White	5500	2400	40	21 per String	1000	60.00	58.00	52.35	50.85



## LEDENGIN LENS FOR 40 WATT POWER LEDs

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	100	
897-LLNF3T08	LLNF-3T08	D	24°	82%	Excellent	-40°C ~ +110°C	4.49	4.19	3.98	3.65
897-LLFL3T08	LLFL-3T08	D	35°	82%	Excellent	-40°C ~ +110°C	4.49	4.19	3.98	3.65

## LUXSPOT™ ALTA SERIES LAMPS

### Features:

- Performance equivalent to 75W halogen PAR lamp
- 70% power savings over 75W halogen and > 10 times the service life
- Precision optic delivering high quality smooth gradient light beam pattern

- Integrated small form factor with multiple mounting options
- Industry leading lumen maintenance and colour point stability
- 24VDC
- Dimmable with external PWM dimmer
- 3 year limited warranty

### Applications:

- Retail
- Hospitality
- Museum
- General lighting



For quantities greater than listed, call for quote.

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
											1
897-LS17202W31A	LS17-202W31-A	E	Warm White	3100	4000	85	900	21	24	Narrow Flood 23°	114.00



## LUXDOT™ SERIES LAMPS



For quantities greater than listed, call for quote.

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
											1
897-LD16022N41	LD16-022N41	F	Neutral White	4100	1100	75	210	5.7	12	Narrow Flood 23°	34.95
897-LD16022W31	LD16-022W31	F	Warm White	3100	900	85	170	5.7	12	Narrow Flood 23°	34.95



## LEDENGIN LUXPAR™ SERIES LAMPS

For quantities greater than listed, call for quote.

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
											1
<b>PAR20 Series</b>											
897-LP20031W31	LP20-031W31	G	Warm White	3100K	2500	85	300	6.7	120VAC	Spot 15°	49.50
897-LP20032W31	LP20-032W31	G	Warm White	3100K	1500	85	300	6.7	120VAC	Narrow Flood 23°	49.50
<b>PAR38 Series</b>											
897-LP38032W31	LP38-032W31	H	Warm White	3100K	4000	85	800	17	120VAC	Narrow Flood 23°	129.00