**FLASHING LEDS 5mm**  Built-in flashing unit  3-5 Vdc. Diffused. High-brightness.

<table>
<thead>
<tr>
<th>Color</th>
<th>CAT#</th>
<th>Price</th>
<th>100</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED</td>
<td>LED-4</td>
<td>2 for .90</td>
<td>.40</td>
<td>.30</td>
</tr>
<tr>
<td>GREEN</td>
<td>LED-4G</td>
<td>.50</td>
<td>.45</td>
<td>.40</td>
</tr>
<tr>
<td>WHITE</td>
<td>LED-4W</td>
<td>.50</td>
<td>.45</td>
<td>.40</td>
</tr>
<tr>
<td>BLUE</td>
<td>LED-4B</td>
<td>.50</td>
<td>.45</td>
<td>.40</td>
</tr>
<tr>
<td>YELLOW</td>
<td>LED-4Y</td>
<td>.50</td>
<td>.45</td>
<td>.40</td>
</tr>
</tbody>
</table>

**5MM RGB COLOR CHANGING LEDS**

Cycles through red-green-blue and combinations of RGB, yielding purple, white and other hues. 5mm water-clear package. Great for attention-getting displays, and jewelry.

- **Slow Rate** -- fades in and out of each color approximately every 5 seconds. Operates on 3.5Vdc.
  - **CAT# LED-276**  65¢ each  •  10 for 55¢ each  •  100 for 40¢ each

- **Rapid Rate** -- changes color every second for ten seconds, then changes color three or four times per second for ten seconds.
  - **CAT# LED-231**  60¢ each  •  10 for 50¢ each  •  100 for 40¢ each

- **Fluttering** -- cycles through RGB colors at a very fast rate, giving the impression of a fluttering red / blue light. Milky-white in off-state.
  - **CAT# LED-232**  2 for $1.00  •  100 for 40¢ each

**PRESS-FIT MOUNTING CLIPS FOR LEDS**

- **2 PIECE HOLDER FOR 5MM LEDS**  Black plastic. Mounts in 6.3 mm hole.
  - **CAT# HLED-4**  10 for $1.20  •  100 for 9¢ each  •  1000 for 8¢ each

- **CLIPLITE HOLDERS FOR 5MM LEDS**  Colored polycarbonate lens diffuses and increases viewing angle. Mounts in 0.25” hole in panels of 0.06” to 0.125” thickness. X= R (RED), G (GREEN), Y (YELLOW), C (CLEAR)
  - **CAT# HLDCL-X**  3 for $1.05  •  100 for 28¢ each  •  1000 for 23¢ each

- **CLIPS FOR 3MM LEDS**  1 piece holder. Mounts in 4.5mm hole.
  - **CAT# HLED-5**  10 for $1.00  •  100 for 8¢ each  •  1000 for 7¢ each

**3 WATT LEDS ON HEATSINK**

Ultra-bright, high-power, long-life LEDs mounted on 20mm dia. star-type aluminum disc which serves as a heatsink and provides solder spots to simplify connection.

**Note:** Sensitive to misuse. No guarantee after voltage has been applied.

**3 WATT**

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
<th>CAT#</th>
<th>Each</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>COOL WHITE</td>
<td>18000-20000K. 3.2-3.4V, 700mA.</td>
<td>LED-248</td>
<td>1.68</td>
<td>1.51</td>
</tr>
<tr>
<td>WARM WHITE</td>
<td>3500-4200K. 3.2-3.4V, 700mA.</td>
<td>LED-249</td>
<td>2.00</td>
<td>1.75</td>
</tr>
<tr>
<td>AMBER</td>
<td>600-610nm. 1.9-2.3V, 700mA.</td>
<td>LED-253</td>
<td>3.00</td>
<td>2.70</td>
</tr>
<tr>
<td>RED</td>
<td>660nm. 1.9-2.3V 700 mA.</td>
<td>LED-250</td>
<td>3.16</td>
<td>2.84</td>
</tr>
<tr>
<td>BLUE</td>
<td>460-470nm. 3.2-3.4V, 700mA.</td>
<td>LED-261</td>
<td>2.28</td>
<td>2.05</td>
</tr>
<tr>
<td>IR</td>
<td>940nm. 1.5-1.7V 700 mA.</td>
<td>LED-256</td>
<td>2.76</td>
<td>2.48</td>
</tr>
</tbody>
</table>

**DRIVER FOR 3W LEDS**

The 3 watt LEDs above can be operated on 12 Volts using this driver. Operate on 12 Vac or 12 Vdc.

- **CAT# LD-3**  $3.25 each  •  10 for $3.00 each

**LENSES FOR 1W, 3W & 5W LEDS**

20mm lens in a 23mm plastic holder. Works well with our 1W, 3W and 5W LEDs, with & without star pc board ie. LED-248, LED-249, LED-5BL. 60° viewing angle

<table>
<thead>
<tr>
<th>CAT#</th>
<th>Price</th>
<th>10 for</th>
<th>100 for</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNS-57</td>
<td>$1.50 each</td>
<td>$1.35 each</td>
<td>$1.20 each</td>
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</tbody>
</table>

45° viewing angle

<table>
<thead>
<tr>
<th>CAT#</th>
<th>Price</th>
<th>10 for</th>
<th>100 for</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNS-58</td>
<td>$1.50 each</td>
<td>$1.35 each</td>
<td>$1.20 each</td>
</tr>
</tbody>
</table>

**LED ASSORTMENTS**

- **5MM ASSORTED COLORS – 500 PCS**
  100 each, red, green, blue, yellow, white.
  - **CAT# LED-K2**  $10.00 per kit

- **3MM AND 5MM ASSORTED COLORS – 300 PCS**
  All are clear in off-state. Red, green, blue, yellow, white.
  5mm LEDs – 20 each color.  3mm LEDs – 40 each color
  - **CAT# LED-K1**  $8.00 per kit

**VISIT OUR WEBSITE - WWW.ALELELECTRONICS.COM**
12 VDC LED LIGHT STRIPS

Adhesive-backed ribbon with surface-mount ultrabright LEDs. Ideal accent lighting in auto or home. Dimmable. Can be cut every third LED or 50mm (approx. 0.2”) and each segment can be lit independently. Wires can be soldered directly to solder spots on ribbon tape. 5 Meters, 100 segments per continuous strip. Can be connected end-to-end for longer strips. Can be purchased in 2” (3-led) segments.

Cool-white  CAT# LS-12-CW  $1.00 per 3-led segment
Warm-white  CAT# LS-12-WW  $1.50 per 3-led segment
Neutral-white  CAT# LS-12-NW  $1.50 per 3-led segment

ECONOMY MODULES

COOL-WHITE

Very bright, but less bright than our other modules. 3.5” wires between modules. 20 modules per string. 0.72W per module

CAT# LS-200CW  $1.40 per module
20 modules for $1.10 per module
100 modules for 85¢ per module

12-24 VDC 8A DIMMER

Designed for 12-24 VDC LED strip lights like our CAT#s LS-12-CW, NW, WW. Clearly-marked screw-clamp input/output terminals. Rotary adjustment. 3.5” x 2.35” x 2.25” high.

Mounting holes on 1.6” x 3.1” centers.

CAT# DMR-8  $19.95 each

POCKET-SIZED LED TESTER

Handy device for testing LEDs (2-150mA). Simply plug your LED into the correct holes and push the button to test its brightness, illuminant color, etc. The top row is for 2 pin LEDs with currents ranging from 2mA - 30mA. The bottom row is for 4 pin LEDs (super-flux LEDs) with currents ranging from 20mA - 150mA. Powered by a 9V battery (included).

CAT# LT-100  $8.95 each

FUSE LAMPS

Popular lamps which are the same size as a 3AG 1/4” x 1 1/4” (AGC) fuse.

<table>
<thead>
<tr>
<th>VOLTS</th>
<th>CAT#</th>
<th>EACH</th>
<th>10</th>
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</thead>
<tbody>
<tr>
<td>6</td>
<td>LPFS-6</td>
<td>$1.65</td>
<td>$1.50</td>
</tr>
<tr>
<td>8</td>
<td>LPFS-8</td>
<td>$1.65</td>
<td>$1.50</td>
</tr>
<tr>
<td>12</td>
<td>LPFS-12</td>
<td>$1.65</td>
<td>$1.50</td>
</tr>
</tbody>
</table>

120 VAC LED LAMP

- Earthtronics # LEDX485090
- 120Vac, 60Hz, 0.062A, 3.5W
- Off-white (beige), 7.5” diameter
- 6” diameter x 1.25” depth behind bezel
- 61 LED array, cool-white 5000K
- Comparable to 50-60W incandescent lamp
- Designed to snap into 6” dia. recessed can
- Pigtail leads

CAT# LED-485  $4.75 each

120 VAC RETROFIT LED DOWNLIGHTS, 4-PACK

- 120Vac, 9W LED lamps for 5”-6” recessed cans
- Dimmable 10%-100%
- Standard medium screwbase
- Normal-white, 4000K color temp
- 650 lumens
- Energy Star, cULus, FCC

CAT# LMP-56NW  Reduced Price  $19.95  $16.00 pack of 4 lamps

12 VDC FLASH ASSEMBLY

Bright xenon strobe assembly for highway emergency signal. Approximately 80 flashes per minute. 12Vdc operation. Horseshoe flash tube (31.5 x 16 x 6mm) mounted on 65 x 75mm pc board. On/off switch. Easy to connect. See hook-up diagram on-line spec sheet.

CAT# FSH-13  $4.50 ea. • 10 for $4.00 ea.
INCANDESCENT LAMPS

3MM GRAIN-OF-WHEAT, T-1
1.5V, 40mA 10" insulated wire leads
CAT# LP-3  $1.35 each • 100 for $1.10 each
1.5V, 75mA 30" insulated wire leads
CAT# LP-41 4 for $1.00 • 100 for 19¢ each
3V, 55mA 10" insulated leads
CAT# LP-4  $1.35 each • 100 for $1.10 each
5V, 60mA 11" insulated leads
CAT# LP-5  $1.35 each • 100 for $1.10 each
5V, 115mA bare wire leads
CAT# LP-715 $1.00 each • 100 for 85¢ ea.
12V, 45mA 10" insulated leads
CAT# LP-6 $1.35 each • 100 for $1.10 each

3MM, T-1 SPECIAL
14V, 40mA 3mm, bare wire leads
CAT# LP-23 3 for $1.00 • 100 for 20¢ each
500 for 18¢ each • 1000 for 14¢ each

T - 1 3/4 5MM DIAMETER LAMPS

T - 1 3/4 BI-PIN LAMP

<table>
<thead>
<tr>
<th>VOLTS</th>
<th>AMPS</th>
<th>CAT#</th>
<th>EACH</th>
<th>100</th>
</tr>
</thead>
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<tr>
<td>14</td>
<td>.080</td>
<td>LP-7382</td>
<td>$1.00</td>
<td>$90.00</td>
</tr>
</tbody>
</table>

T - 1 3/4 MIDGET FLANGE LAMP

<table>
<thead>
<tr>
<th>VOLTS</th>
<th>AMPS</th>
<th>CAT#</th>
<th>EACH</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>.08</td>
<td>LP-382</td>
<td>$1.00</td>
<td>$90.00</td>
</tr>
<tr>
<td>28</td>
<td>.040</td>
<td>LP-327</td>
<td>$1.00</td>
<td>$90.00</td>
</tr>
</tbody>
</table>

14V MINI BAYONET BASE LAMP

#1815 lamp. 14.0 volts, 0.200 amps.

CAT# LP-1815 75¢ each
100 for $67.50

BAYONET BASE LAMP SOCKETS

PC / solder leads.

CAT# LS-17 2 for $1.00

For use with #44, 47, 1815 etc. standard mini-bayonet base lamps.

CAT# LHL-37 2 for $1.00

PC leads

0.40" (10mm) lead spacing.

CAT# LHL-46 2 for $1.00

1.2" X 2.6" EL BACKLIGHT

Electroluminescent (EL) Backlight. 30 x 67mm (1.2" x 2.6"). Glows green when energized. Ivory off-state. Solderable pin. Operates on 80-120Vac. Will operate from 120v "house" electricity or inverter. For control panels, LCD, special effects and model lighting.

CAT# EL-26 3 for 99¢ • 100 for 20¢ each

1W LED W/ REFLECTOR IN HOUSING

Great beginning for a shelf or display lighting project. Bright, white 1 Watt LED enclosed in a rugged black and yellow hard plastic housing with a conical reflector and a clear plastic front lens. Overall dimensions, 2.16" diameter x 3.45" long. Two wire leads. Operates on 3 Vdc @ 300 mA. For higher voltages use a dropping resistor.

CAT# LMP-26 $2.50 each
10 for $2.25 each

HI-INTENSITY UV LAMP ASSEMBLY

High-intensity UV light light source in the 400m wavelength spectrum. Sixteen 1W LEDs on a two-piece curved 1.6" wide pc board assembly approximately 6" long. 4" pigtail leads. Operates on 30vdc @ 1A.

CAT# LED-16UV $5.95 each

LIGHTS

170 LUMEN WORK LIGHT -- BRIGHT

Nebo 6327 LarryC. EXTREMELY BRIGHT! Equipped with new C-O-B LED technology, it outputs 170 lumens of intense light. The 180° rotating magnetic clip allows for hands-free lighting. The reinforced plastic body design is water and impact-resistant. Top-positioned, ON/OFF button. Powered by 3 AAA batteries (included). 6.375" long. Includes retail box. Comes in red, blue, black or yellow (no choice of color).

CAT# FL-170 $8.99 each

FLASHING ROAD HAZARD FLARE

Flashing roadside emergency LED flare with flashlight. Features ten different flashing patterns. Contains a hook and strong magnet for placement on vehicle. Powered by 3 AAA batteries (not included). 6.375" long. Includes retail box. Comes in red, black, or yellow (no choice of color).

CAT# ERL-1 $9.95 each

PORTABLE LED LANTERN LIGHT

Battery operated, light-weight portable LED lantern light. Ultra-bright led light is useful for camping, hiking and emergency situations. Features: 360-degree illumination, adjustable light setting. Easily collapses to 5" high, expands to approximately 7.40" high. 3.4" dia. magnetic base conveniently attaches to metal fixtures. Requires 3 AA batteries (not included).

CAT# PLL-1 $6.95 each