**ILLUMINATED MULTI POWER HEAD MAGNIFIER & LOUPE**

Keeps your hands free while enhancing your vision. 2 led bulbs with tilt and angle controls to adjust the light beam. Magnification: 1.9x acrylic fixed lens, 1.9x acrylic flip-down lens and 4.5x glass swivel loupe. Magnifier assembly can be flipped up out of your way when not in use. Adjustable head strap with dial control. Plastic body.

*CAT # HD-LMAG $10.95 each*

---

**3 AMP DC MOTOR SPEED CONTROLLER**

Controls the speed of a DC motor using Pulse-Width-Modulation. An efficient method of changing the speed of a DC motor without changing voltage. Has a potentiometer with on-off switch and a four-position screw-terminal strip for easy connection to motor and power source. Can be used as a lighting dimmer and similar applications with DC loads up to 3A. 30 x 28mm pc board.

*CAT # MSC-35 $5.75 each*

---

**TWEEZER TEST LEADS**

A must for testing small, in-circuit components. Shrouded banana plugs fit most test meters. Tweezer marked with + and - symbols. 5.9” long tweezer probe. Overall length of leads, 24”.

*CAT # TL-126 $6.95 each*

---

**2-CONDUCTOR WATERPROOF CONNECTORS, 18 AWG**

Mating, weather-resistant polarized connectors. 12” red & black 18 gauge stranded wire leads.

*CAT # CON-320 $1.95 each\n
1 for $1.80 each • 100 for $1.50 each*

---

**300 LEDS, RED, GREEN, YELLOW, BLUE, WHITE**

Keep a good selection of LEDs on hand for whatever your project might require. Red, Green, Blue, Yellow (Amber) and White 3mm and 5mm LED assortment. All are clear in off-state.

- 5mm LEDs, 20 pcs each color.
- 3mm LEDs, 40 pcs each color.
- Clear plastic divided box with locking lid.

Because all of these water-clear LEDs look alike and might easily get mixed, we suggest ordering our LED tester, CAT# LT-100 to assure LED color before soldering.

*CAT # LED-K1 $8.00 kit*

---

**0-100VDC VOLTOMETER**

3-digit LED voltmeter for 0-100VDC range. 0.28” digits on a 0.89” x 0.39” display. Digits on black background. Three wire operation.

Red-black for power; yellow-black for voltage being monitored. Will monitor its own voltage. Mounting ears with holes on 1.03” centers.

*CAT # PM-126B $3.95 each\n
CAT # PM-126 $3.95 each*

---

**12 VDC 3 AMP POWER SUPPLY**

#PS-2.1-12-3-DC-U-S 4.42” x 2.12” x 1.35” high. Detachable power input cord. 6” output cable with 2.1mm coax plug, center+. cULus.

*CAT # PS-1272 $6.95 each

50 for $6.45 each • 100 for $6.00 each

500 for $3.75 each*

---

**SPDT 40 AMP AUTO RELAY**

12 Vdc, 88 Ohm coil. Contacts rated 40A. Plastic enclosed relay, 1.1” x 1.2” x 1” high. Plastic flange for bulkhead mounting. Mounts in standard automotive relay socket.

*CAT # RLY-351 $2.55 each • 10 for $22.50*

---

**36” MICRO-USB CABLE**

Micro-USB to USB cable. One of the most popular charge and sync cables for smart phones, tablets, cameras and other portable devices. Connects to USB port in cars, computers and chargers. 3’ overall length.

*CAT # CB-427 $2.50 each

10 for $2.25 each*

---

**ORDER TOLL FREE 1-800-826-5432**
## LIGHT EMITTING DIODES (LED)

### STANDARD 5mm

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
<th>CAT#</th>
<th>Price</th>
<th>100</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED</td>
<td>diffused</td>
<td>LED-1</td>
<td>10 for $1.00</td>
<td>.09</td>
<td>.07</td>
</tr>
<tr>
<td>RED</td>
<td>high-brightness</td>
<td>LED-10R</td>
<td>10 for $1.00</td>
<td>.08</td>
<td>.05</td>
</tr>
<tr>
<td>GREEN</td>
<td>diffused</td>
<td>LED-2</td>
<td>10 for $1.50</td>
<td>.12</td>
<td>.08</td>
</tr>
<tr>
<td>YELLOW</td>
<td>diffused</td>
<td>LED-3</td>
<td>10 for $1.50</td>
<td>.12</td>
<td>.08</td>
</tr>
<tr>
<td>AMBER</td>
<td>diffused</td>
<td>LED-173</td>
<td>10 for $1.50</td>
<td>.12</td>
<td>.08</td>
</tr>
</tbody>
</table>

### ULTRA-BRIGHT 5mm

Improved brightness and color consistency.

<table>
<thead>
<tr>
<th>Color Description</th>
<th>CAT#</th>
<th>Price</th>
<th>100</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQUA water clear in off state</td>
<td>LED-130</td>
<td>.60</td>
<td>.45</td>
<td>.30</td>
</tr>
<tr>
<td>RED water clear in off state</td>
<td>LED-257</td>
<td>3/$1.05</td>
<td>.28</td>
<td>.17</td>
</tr>
<tr>
<td>RED Water-clear in off-state, Special</td>
<td>LED-301</td>
<td>3/$1.20</td>
<td>.35</td>
<td>.20</td>
</tr>
<tr>
<td>RED our “brightest red,” water clear in off-state</td>
<td>LED-233</td>
<td>.50</td>
<td>.40</td>
<td>.25</td>
</tr>
<tr>
<td>BLUE water clear in off-state, 20º viewing angle</td>
<td>LED-215</td>
<td>.60</td>
<td>.45</td>
<td>.30</td>
</tr>
<tr>
<td>GREEN water clear 16K mcd</td>
<td>LED-57</td>
<td>1.10</td>
<td>.90</td>
<td>.80</td>
</tr>
<tr>
<td>GREEN water clear in off-state</td>
<td>LED-128</td>
<td>.75</td>
<td>.55</td>
<td>.40</td>
</tr>
<tr>
<td>WHITE water clear in off-state</td>
<td>LED-214</td>
<td>.60</td>
<td>.45</td>
<td>.30</td>
</tr>
<tr>
<td>YELLOW water clear 3000 mcd</td>
<td>LED-72</td>
<td>.95</td>
<td>.75</td>
<td>.47</td>
</tr>
<tr>
<td>ORANGE water clear point source</td>
<td>LED-136</td>
<td>.25</td>
<td>.15</td>
<td></td>
</tr>
</tbody>
</table>

### MINIATURE 3mm

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
<th>CAT#</th>
<th>Price</th>
<th>100</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED</td>
<td>diffused</td>
<td>MLED-1</td>
<td>10 for $1.00</td>
<td>.08</td>
<td>.04</td>
</tr>
<tr>
<td>GREEN</td>
<td>diffused</td>
<td>MLED-2</td>
<td>10 for $1.25</td>
<td>.10</td>
<td>.04</td>
</tr>
<tr>
<td>YELLOW</td>
<td>diffused</td>
<td>MLED-3</td>
<td>10 for $1.25</td>
<td>.10</td>
<td>.03</td>
</tr>
<tr>
<td>RED</td>
<td>point source</td>
<td>MLED-7</td>
<td>10 for $1.00</td>
<td>.08</td>
<td>.07</td>
</tr>
<tr>
<td>AMBER</td>
<td>diffused</td>
<td>MLED-12</td>
<td>10 for $1.25</td>
<td>.10</td>
<td>.08</td>
</tr>
<tr>
<td>BLUE</td>
<td>point source Ultrabright</td>
<td>LED-59</td>
<td>.60</td>
<td>.45</td>
<td>.35</td>
</tr>
<tr>
<td>WHITE</td>
<td>water clear Ultrabright</td>
<td>LED-83</td>
<td>.95</td>
<td>.80</td>
<td>.65</td>
</tr>
</tbody>
</table>

### 12 VDC LEDS

Bright 5mm round LEDs with built-in resistors for 12Vdc, No external resistor required. Works well on 4-12Vdc. Dimmer at lower voltages.

<table>
<thead>
<tr>
<th>Color</th>
<th>Lens Color</th>
<th>Description</th>
<th>CAT#</th>
<th>Each</th>
<th>10</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED</td>
<td>Red</td>
<td>LED-12R</td>
<td>.50</td>
<td>.45</td>
<td>.40</td>
<td></td>
</tr>
<tr>
<td>BLUE</td>
<td>Milky-white</td>
<td>LED-12BW</td>
<td>.50</td>
<td>.45</td>
<td>.40</td>
<td></td>
</tr>
<tr>
<td>WHITE</td>
<td>Milky-white</td>
<td>LED-12W</td>
<td>.50</td>
<td>.45</td>
<td>.40</td>
<td></td>
</tr>
<tr>
<td>GREEN</td>
<td>Green</td>
<td>LED-12G</td>
<td>.50</td>
<td>.45</td>
<td>.40</td>
<td></td>
</tr>
<tr>
<td>WHITE</td>
<td>Water-clear</td>
<td>LED-12WP</td>
<td>.50</td>
<td>.45</td>
<td>.40</td>
<td></td>
</tr>
<tr>
<td>BLUE</td>
<td>Water-clear</td>
<td>LED-12BP</td>
<td>.50</td>
<td>.45</td>
<td>.40</td>
<td></td>
</tr>
<tr>
<td>YELLOW</td>
<td>Yellow</td>
<td>LED-12Y</td>
<td>.50</td>
<td>.45</td>
<td>.40</td>
<td></td>
</tr>
</tbody>
</table>

### BI-COLOR

5mm RED / GREEN diffused
Two leads. Reverse polarity to change color. Milky-white off-state.

5mm RED / GREEN
Two leads. Reverse polarity to change color. Water-clear off-state.

Chicago Miniature # CMD119EGW.
Three-lead, rectangular LED lights red or green. Milky-white in off-state. Center, common lead is cathode. Led face is 2mm x 5mm.

**CAT# LED-64**
10 for $1.00 • 100 for 6¢ each

### BI-COLOR FLASHING

5mm LED alternately flashes red and green, approximately 180 flashes per minute. Milky-white in off-state.

**CAT# LED-6F**
45¢ each • 100 for 40¢ each • 1000 for 30¢ each

### 3MM RED / WHITE TWO COLOR LED, 3-LEGS
3mm red/white bi-polar LED. 3-legs. Milky-white off-state.

**CAT# LED-290**
45¢ each • 100 for 40¢ each • 1000 for 30¢ each

### RGB LED
4-lead, 5mm red-green-blue LED.
One common lead (anode) and one lead for each color. Water-clear in off-state.

**CAT# LED-258**
75¢ each • 10 for 70¢ each • 100 for 60¢ each
### Flashing LEDs 5mm

<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>.50</td>
<td>.45</td>
<td>.40</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 LEDs

<table>
<thead>
<tr>
<th>Color</th>
<th>CAT#</th>
<th>Each</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>COOL WHITE</td>
<td>LED-248</td>
<td>1.68</td>
<td>1.51</td>
</tr>
<tr>
<td>WARM WHITE</td>
<td>LED-249</td>
<td>2.00</td>
<td>1.75</td>
</tr>
<tr>
<td>AMBER</td>
<td>LED-253</td>
<td>3.00</td>
<td>2.70</td>
</tr>
<tr>
<td>RED</td>
<td>LED-250</td>
<td>3.16</td>
<td>2.84</td>
</tr>
<tr>
<td>BLUE</td>
<td>LED-261</td>
<td>2.28</td>
<td>2.05</td>
</tr>
<tr>
<td>IR</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 **CAT# LNS-57** $1.50 each • 10 for $1.35 each
- 45° viewing angle **CAT# LNS-58** $1.50 each • 10 for $1.35 each

500 piece red, green, blue, yellow and white 5mm LED assortment. 100 pieces of each color. Clear plastic divided box with locking lid.

- **CAT# LED-K2** $10.00 kit

300 piece red, green, blue, yellow (amber) and white 3mm and 5mm LED assortment. All are clear in off-state. 5mm LEDs, 20 pcs each color. 3mm LEDs, 40 pcs each color. Clear plastic divided box with locking lid.

- **CAT # LED-K1** $8.00 kit

**Visit Our Website** – [WWW.ALELELECTRONICS.COM](http://WWW.ALELELECTRONICS.COM)
**ALPHANUMERIC DISPLAYS**

<table>
<thead>
<tr>
<th>Description</th>
<th>CAT#</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 DIGIT RED CLOCK DISPLAY, 0.4” DIGITS</td>
<td>FDA-5</td>
<td>85¢ each</td>
</tr>
</tbody>
</table>

**3-DIGIT 7-SEGMENT LED DISPLAY, .28” GREEN**

<table>
<thead>
<tr>
<th>Description</th>
<th>CAT#</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTC-2621G. 7-segment, 3 character LED display module. Lights green. Common anode. 2.1V 20mA. 0.891” L x 0.394” W x 0.24” h (22.64mm L x 6.1mm W x 6.1mm H).</td>
<td>TDA-26</td>
<td>85¢ each</td>
</tr>
</tbody>
</table>

**COOL-WHITE DUAL LED ASSEMBLY**

Nice bright miniature LED light source for display and lighting applications.

<table>
<thead>
<tr>
<th>Description</th>
<th>CAT#</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 high-brightness surface-mount white LEDs mounted on a 0.56” x 0.31” (7 x 14mm) pc board. Built-in circuitry for 8V operation. Two pc pins on 5mm centers.</td>
<td>LED-2W</td>
<td>$1.00 ea. • 10 for 80¢ ea.</td>
</tr>
</tbody>
</table>

**LED INDICATOR ASSEMBLIES**

**12 VDC W/ PLASTIC HOUSING**

Threaded bushings with nuts. Solder-lug terminals. 2 sizes, 4 colors (red, green, blue, yellow).

<table>
<thead>
<tr>
<th>Description</th>
<th>CAT#</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10mm diameter lens. 10mm bushing.</td>
<td>IND-10(R,G,B,Y)</td>
<td>$1.25 each</td>
</tr>
<tr>
<td>12mm diameter lens. 12mm bushing.</td>
<td>IND-12(R,G,B,Y)</td>
<td>$1.35 each</td>
</tr>
</tbody>
</table>

**12 VDC RED LED**

5mm red diffused LED. Press-fit mounting in 0.25” diameter hole. Two 10” pigtail leads.

<table>
<thead>
<tr>
<th>Description</th>
<th>CAT#</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5mm diameter LED in 10mm diameter chrome bezel. 8mm threaded bushing with mounting hardware. Extends 34mm below mounting panel. Available in Red (R), Blue (B), Green (G) and Amber (A).</td>
<td>IND-160(R,B,G,A)</td>
<td>$2.25 each</td>
</tr>
</tbody>
</table>

**12 VDC LED MODULES & STRIPS**

**WEATHER-RESISTANT 12 VDC LED MODULE, COOL-WHITE**

Miniature lensed weather-resistant LED module provides 160° of cool white light. Narrow footprint and adhesive backing makes it easy to mount, even on curved surfaces. IP67 rating for outdoor use. Wired together in 20 module strands, with LEDs on 2.36” centers. Can be purchased individually.

<table>
<thead>
<tr>
<th>Description</th>
<th>CAT#</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warm White</td>
<td>LS-123WW</td>
<td>$2.25 module</td>
</tr>
<tr>
<td>Cool White</td>
<td>LS-123CW</td>
<td>$2.00 module</td>
</tr>
<tr>
<td>Red</td>
<td>LS-123R</td>
<td>$1.85 module</td>
</tr>
<tr>
<td>Yellow</td>
<td>LS-123Y</td>
<td>$1.85 module</td>
</tr>
<tr>
<td>Green</td>
<td>LS-123G</td>
<td>$1.85 module</td>
</tr>
<tr>
<td>Blue</td>
<td>LS-123B</td>
<td>$1.85 module</td>
</tr>
<tr>
<td>High-Power, 1.2W per module.</td>
<td>LS-123HCW</td>
<td>$2.25 module</td>
</tr>
</tbody>
</table>

**LOW PROFILE 3-LED MINI MODULE, COOL-WHITE**

Miniature 3-LED module, ideal for indirect lighting, cabinet lighting, sign backlights or outdoor lighting. Provides 120-degrees of cool white light. 12 Vdc. 30mA current. 36W per module. Narrow footprint and adhesive backing makes it easy to mount, even on curved surfaces. IP67 rating for outdoor use. Wired together in 20 unit strands, with modules on 2.72” centers. Can be purchased individually.

<table>
<thead>
<tr>
<th>Description</th>
<th>CAT#</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5mm diameter LED in 10mm diameter chrome bezel. 8mm threaded bushing with mounting hardware. Extends 34mm below mounting panel. Available in Red (R), Blue (B), Green (G) and Amber (A).</td>
<td>LPM-3</td>
<td>85¢ module</td>
</tr>
</tbody>
</table>

**ORDER TOLL FREE 1-800-826-5432**

15
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  10 segments $9.00 per segment  100 segments $75.00 per segment

Warm-white  CAT# LS-12-WW  $1.50 per 3-led segment  10 segments $13.00 per segment  100 segments $100.00 per segment

Neutral-white  CAT# LS-12-NW  $1.50 per 3-led segment  10 segments $13.00 per segment  100 segments $100.00 per 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

RF REMOTE CONTROL FOR RGB LED STRIPS
Allows flashing, sequencing and dimming of tri-color LED strip, CAT# LS-22.
Will operate up to 5 strips, 1500 LEDs. Operates on 12-24Vdc. Input via screw terminals or 2.5mm coax power plug. Power supply not included.

CAT# LT-100  $8.95 each

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

LED FESTOON LAMPS
6 LED festoon lamps operate on 12 AC/DC 45ma.
120° radiance angle. 10.7mm dia. x 44mm L.

Cool-white - 45 lumen. 6000 CCT(K).
CAT# HFL-12CW  $4.50 each  10 for $4.35 each

Warm-white - 40 lumen. 3000 CCT(K).
CAT# HFL-12WW  $4.50 each  10 for $4.35 each

Festoon socket for 44mm lamps. Fits CAT#s HFL-12CW and HFL-12WW. Can be used with other 37-44mm festoon based lamps and LEDs.

CAT# FLS-3  75¢ each  10 for 70¢ each

FLUSH-MOUNT LED FIXTURE, 120 VAC
Earthtronics Model LEDX485090
120Vac, 60Hz, 0.062A, 3.5W.

Color temperature: 5000K “Cool-white”. 6" dia. LED fixture. Off-white (beige) plastic assembly snaps into a 7.5" dia. metal rough-in frame. Array of 61 LEDs provides a fairly bright light. We don't have specs, but intensity is approximately that of a 50-60W incandescent lamp.

CAT# LED-485  $4.75 each

LED 5”/ 6” DOWNLIGHT, 9 WATT, N-W, 4-PACK
Dimmable 9W retrofit lamp.
Fits 5"/ 6" cans, 120 Vac screw base. 650 lumens. Dimmable 10% to 100%. Normal-white, 4K.

Energy Star, cULus, RoHS, FCC. Sold in package of 4.

CAT # LMP-56NW  $19.95 pack of 4

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>
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<tr>
<td>6</td>
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<tr>
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<td>LPFS-12</td>
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**INCANDESCENT LAMPS**

**Bare leads**

**3MM GRAIN-OF-WHEAT, T-1**
- 1.5V, 40mA 10" insulated wire leads
  - CAT# LP-3 $1.25 each • 100 for 98¢ 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 $1.25 each • 100 for 98¢ each
- 5V, 60mA 11" insulated leads
  - CAT# LP-5 $1.25 each • 100 for 98¢ each
- 5V, 115mA bare wire leads
  - CAT# LP-715 2 for $1.50 • 100 for 67.5¢ ea.
  - 12V, 45Ma 10" insulated leads
  - CAT# LP-6 $1.25 each • 100 for 98¢ 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**

<table>
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<td>LP-327</td>
<td>$1.00</td>
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**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

**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 each
  - 10 for $4.00 each

**EL BACKLIGHTS**

For backlighting displays, control panels, special effects and model lighting. Flexible, produces practically no heat. Operates on 80-120Vac & will run off of inverter or standard "house" electricity.

**2.8” x 2.2”**
- Salmon color in off-state. Glows white when energized.
  - Solderable pins.
  - CAT# EL-15 3 for 99¢ each
    - 100 for 20¢ each

**1.2” X 2.6”**
- Glows green when energized. Ivory off-state.
  - Solderable pin.
  - CAT# EL-26 3 for 99¢ each
    - 100 for 20¢ each

**FLASHLIGHTS**

**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

**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

**1W LED W/ REFLECTOR IN HOUSING**
This good looking fixture is a 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

ORDER TOLL FREE 1-800-826-5432 17
IEC POWER CONNECTOR
Power Dynamics #43R01-2311
IEC female straight plug for up to 16 AWG wire. Integral cable clamp, strain relief and screw terminals.
Rated 10A 250Vac (15A for UL, CSA only).
RoHS compliant. UL, CSA, VDE.
CAT# ACS-430 Reduced Price $2.00 each 10 for $1.75 each • 100 for $1.50 each

EURO TO USA
Converts 2-pin round European plugs to 2-pin flat power plugs.
CAT# AP-USA $1.50 ea. • 10 for $1.25 ea.

USA TO EURO
Converts 2-pin flat USA plugs to 2-pin round Euro plugs.
Can be used with 3-pin grounded USA plugs, but ground pin is voided.
CAT# AP-EU $2.00 each

HI-INTENSITY UV LAMP ASSEMBLY
High-intensity UV light light source in the 400nm 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. Our power supply, CAT# PS-294 works well with this.
CAT # LED-16UV $5.95 each

DUPLEX RECEPTACLE WITH 4.2A USB PORTS, WHITE
Standard duplex power receptacle with two integrated USB charging ports. Rapid 4.2 Amp USB charger provides enough power to charge cell-phones, tablets and most USB powered devices. Over-current, over-charging, short circuit protection. Tamper Resistant (TR). 15A receptacles. Includes wall-plate and hardware. cULus, CSA ANSI/UL.
CAT # ACS-73W $11.95 each

IEC POWER INPUT
Mounting ears with holes on 1.575" (40mm) centers. 0.25" QC connector.
Rated 15A 250Vac. UL, CSA.
CAT# ACS-48 Reduced Price $1.25 each 10 for $1.10 each • 100 for 90¢ each
Same as ACS-48 above, but with solder-loops.
CAT# ACS-70 Reduced Price $1.00 each 10 for 90¢ each • 100 for 75¢ each

INTERNATIONAL PLUG ADAPTERS
EURO TO USA
Possibly designed for headphones. Pin terminals.
CAT# SK-850 75¢ each

13MM 32 OHM SPEAKER
Possibly designed for headphones. Pin terminals.
CAT# SK-850 75¢ each

10 for $1.75 each • 100 for $1.50 each