**Engineering Data**

**ENERGIZER NO. SP220**

**Dimensions**

<table>
<thead>
<tr>
<th>Millimeters</th>
<th>Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>54.55</td>
<td>2.148</td>
</tr>
<tr>
<td>178.90</td>
<td>7.043</td>
</tr>
<tr>
<td>266.50</td>
<td>10.492</td>
</tr>
</tbody>
</table>

**Designation:** Outdoor Flashlight  
**Power Source:** Two AA Size Batteries (ANSI/NEDA 15 Series)  
**Lamp:** No. KPR-104 (Rated @ 2.2V, 0.47A)  
**Rated Lamp Life:** 15 Hours  
**Rated Lamp Output:** 7 Lumens  
**Weight (w/out batteries):** 101 grams (3.6 oz.)

**Features**
- Soft Ergonomic Grip  
- Rugged Sporty Aesthetics  
- Headlight Style Reflector  
- Multi-Color Woven Lanyard  
- Push-Button Switch
Components

A. Lens Ring ABS
B. Lens Polystyrene
C. Reflector Polystyrene
D. Inner Lens Ring ABS
E. Lamp Retainer Polystyrene
F. Right Tube Half ABS
G. Right Overmold ABS
H. Top Grip Plate ABS
I. Top Grip Pad Rubber
J. Bottom Grid Pad Rubber
K. Switch Button ABS
L. Lamp Socket Tinned Sheet
M. Bottom Spiral Spring Copper
N. Compression Spring Wire
O. Eyelet Brass
P. Lamp KPR-104
Q. Upper Contact Shell Tinned Sheet
R. Lanyard Nylon

Battery Service

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Battery Type</th>
<th>0.9V (per battery)</th>
<th>Cutoff Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>470 mA 24 hours / day</td>
<td>1215 E91</td>
<td>0.7</td>
<td>3.5</td>
</tr>
</tbody>
</table>

Important Notice

This data sheet contains information specific to batteries manufactured at time of its publication. Please contact your Energizer representative for most current information. Contents herein do not constitute a warranty.