MORE POWER TO YOU

PELICAN™ 9050 LANTERN: THE FIRST PROFESSIONAL LANTERN WITH A DUAL LITHIUM-ION/ALKALINE BATTERY SYSTEM
FLEX YOUR FUEL
The Pelican 9050 Lantern is the first professional lantern for the commercial and government industries that is powered by two battery types, either lithium ion or alkaline batteries. When it's time to refuel, this lantern keeps the job site or path illuminated without skipping a beat.
Holds up to 4 lithium-ion rechargeable batteries or up to 16 AA alkaline or NiMH batteries.
VERSATILITY

With spot, flood, and spot/flood beam options, this compact LED is one of the brightest and most versatile lanterns in the industry.

Whether you use spot mode to locate a lost hiker or flood mode to install a server rack, this lantern provides over 3000 lumen to highlight your task.
ADAPT TO YOUR ENVIRONMENT
The Pelican 9050 lantern points light wherever you need it, when you need it. Light the area above by rotating the light head up to 112.5-degrees. For a downcast beam option, just position the lantern vertically and tilt the light head in down position to lighten everything below.

WATERPROOF
The Pelican 9050 lantern is waterproof, with an IP67 rating, allowing you to keep the job illuminated wet work conditions.

DON’T GET LEFT IN THE DARK
Engineered with a battery level indicator, the Pelican 9050 lantern lets you know when to recharge or replace batteries. The green light indicates a full charge, yellow signals low battery power, and red light indicates fresh batteries are needed.

FOLLOW THE LEADER
The Pelican 9050 lantern features multi-color rear LED lights that can be used as a beacon. Guide your crew while navigating through smoke or fog. Or, select green, red, or blue color code to distinguish team members.

FAST AND HASSLE-FREE
QUICK-RELEASE CHARGER BASE
The Pelican 9050 lantern features a quick-release charger base. Dismounting and re-mounting the light is fast and hassle free.

Click sound verifies a secure mount, with simple push for fast ejection.
## PERFORMANCE

### ANSI STANDARDS (AMERICAN NATIONAL STANDARDS INSTITUTE)

Why create standards? While Pelican was one of the first manufacturers to use quantifiable test procedures, the need was recognized to develop a common language that customers could use to select the right flashlight for their specific needs. As a result, the American National Standards Institute (ANSI), with input from the flashlight industry, developed performance standards and symbols to effectively communicate a flashlight’s features and benefits. The resulting ANSI/NEMA FL 1 Standards include the following six criteria:

<table>
<thead>
<tr>
<th>LIGHT OUTPUT (LUMENS)</th>
<th>2623</th>
<th>354</th>
<th>1119</th>
<th>291</th>
<th>3369</th>
<th>301</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUN TIME (HOURS, MINUTES)</td>
<td>4h 15m</td>
<td>13h 30m</td>
<td>5h 30m</td>
<td>11h</td>
<td>2h 45m</td>
<td>11h</td>
</tr>
<tr>
<td>BEAM DISTANCE (METERS)</td>
<td>489m</td>
<td>117m</td>
<td>47m</td>
<td>24m</td>
<td>417m</td>
<td>110m</td>
</tr>
<tr>
<td>PEAK BEAM INTENSITY (CANDELA)</td>
<td>59760cd</td>
<td>7846cd</td>
<td>559cd</td>
<td>149cd</td>
<td>43568cd</td>
<td>3011cd</td>
</tr>
</tbody>
</table>

### STANDARDS AND RATINGS

#### LIGHT OUTPUT

Light Output is the total luminous flux. It is the total quantity of emitted overall light energy as measured by integrating the entire angular output of the portable light source. Light output in this standard is expressed in units of lumens.

#### RUN TIME

Run Time is defined as the duration of time from the initial light output value – defined as 30 seconds after the point the device is first turned on – using fresh batteries, until the light output reaches 10% of the initial value.

#### PEAK BEAM INTENSITY

Peak Beam Intensity is the maximum luminous intensity typically along the central axis of a cone of light. The value is reported in candela and does not change with distance.

### WATERPROOF/SUBMERSIBLE

Waterproof // IPX4 - Water splashed against the device from any direction shall have no harmful effects.

Submersible // IPX8 - Ingress of water in quantities causing harmful effects shall not be possible when the enclosure is continuously immersed in water under conditions which shall be stated by manufacturer, but which are more severe than for IPX7.

### WATER RESISTANT

Water Resistant // IPX4 - Water splashed against the device from any direction shall have no harmful effects.

### GLOSSARY OF TERMS

- **Candela** A measurement of the intensity of light that is emitted by a light source in a particular direction.
- **Lux** The unit of luminous flux in the International System, equal to the amount of light given out through a solid angle by a source of one candela intensity radiating equally in all directions.
- **Lumen** A unit of measurement of the amount of brightness that comes from a light source. Lumens define “luminous flux,” which is energy within the range of frequencies we perceive as light.
- **Integrating Sphere** An integrating sphere is a measurement device with an entrance port that can accept all the directional light output of the device under test, or can totally enclose the device itself. The walls of the sphere should be highly diffused with high reflectivity (>80%) and the spectroradiometer should be shielded from direct view of the device under test by a baffle system.
- **Rechargeable** Denotes a flashlight which contains rechargeable batteries and charging station. These models are shown with the rechargeable icon.
- **IP (Ingress Protection)** – These ratings specify the environmental protection the enclosure provides. The IP rating normally has two numbers (IPXX). The first number represents protection from solid objects or materials (dust) whereas the second number represents protection from liquids (water). With the IP rating IP 54, 5 describes the level of protection from solid objects and 4 describes the level of protection from liquids as described by the IP Rating System (Solids vary from 0-6 IP rating, Liquids vary from 0-8 IP rating).

For warranty details go to www.pelican.com/warranty

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