Z-Band Direct Lite

Durable, lightweight patient identification wristband

Patient identification wristbands that fail to scan can impact patient safety and the ability to provide timely patient care. That’s why many hospitals are choosing Zebra thermal hospital wristbands – proven to improve patient ID accuracy and operational efficiency point-of-care services. Zebra’s supplies research and development team has worked with our coatings suppliers to develop a wristband that stands up to not only moisture, but a wide array of hand sanitizers to ensure optimum image durability and scanning performance. And with over three billion patients identified since 1998, you can rely on Zebra to ensure the optimum image durability and scanning performance that your caregivers require. Providing safe, secure, and positive patient identification in healthcare environments, the Z-Band Direct Lite is gentle on sensitive skin with a more comfortable feel, with the same durability as the Z-Band Direct. This wristband is also lighter and thinner than the Z-Band Direct, ideal for short-term hospital stays.

Lightweight, comfortable feel for sensitive skin
The Z-Band Direct Lite is designed with comfort in mind. Suitable for the identification of patients with sensitive skin, this wristband provides a lighter, more comfortable feel on patients’ wrists with resistance to weak and some moderate chemicals typically found in hospitals such as hand sanitizers.

Count on Consistently Exceptional Performance
A barcode that fails to scan jeopardizes patient safety and staff productivity. That’s why we design, produce and rigorously pre-test our own line of thermal printing supplies to ensure consistent, optimized performance. We utilize an ISO 9001 certified, 23-point quality inspection to ensure consistent quality. You get optimum image durability and scanning performance- ensuring first-scan readability even for narrow barcodes.

Direct thermal wristband
The Z-Band Direct Lite is a direct thermal material, meaning no ribbon is required for printing. It is available in roll format and compatible with the desktop ZD600 and ZD400 series printers.

Silver Antimicrobial Coating
The Z-Band Direct Lite features a silver antimicrobial coating that protects the wristband from degradation.

Provide safe, secure and positive patient identification with the Z-Band Direct Lite.
For more information, please visit www.zebra.com/wristbands
# Specifications

## Material Construction

<table>
<thead>
<tr>
<th>RM#</th>
<th>10633714RM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facestock</td>
<td>Direct thermal polypropylene 114 microns ±10%</td>
</tr>
<tr>
<td>Adhesive</td>
<td>Permanent rubber adhesive on kraft liner 61 microns ±10%</td>
</tr>
<tr>
<td>Environment</td>
<td>Indoor use; cold temperature compatible</td>
</tr>
</tbody>
</table>

## Temperature Performance

**Recommended Temperature Range:** -40°F to 140°F (-40°C to 60°C)

## Recommended Printers and Ribbons

| Printers | Direct thermal printer (no ribbon) Use desktop; ZD500 Series and ZD4000 thermal printers with the 25mm media holder for optimal performance. Z-Band Direct Lite is only available in roll format and not compatible with HC100 or ZD510-HC cartridge printers. |

### Darkness/Print Speed Settings

- **ZPL Printers:** Darkness: 22, Print Speed: 50mm/sec (2ips)
- **EPL Printers:** Darkness: 13, Print Speed: 50mm/sec (2ips)

## Durability Testing

<table>
<thead>
<tr>
<th>Test</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abrasion Test</td>
<td>Pass: Exceeds 1000x with a dry crocking cloth</td>
</tr>
<tr>
<td>Water</td>
<td>Pass: Withstands total immersion in 40°C water for up to 6 hours</td>
</tr>
<tr>
<td>91% IPA</td>
<td>Pass: Withstands 50x rubs with soaked cotton applicator</td>
</tr>
<tr>
<td>70% IPA</td>
<td>Pass: Withstands 50x rubs with soaked cotton applicator</td>
</tr>
<tr>
<td>Betadine</td>
<td>Pass: Withstands 100x rubs with soaked cotton applicator</td>
</tr>
<tr>
<td>Purell</td>
<td>Pass: Withstands 50x rubs with soaked cotton applicator</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>Pass: Withstands up to 45 pounds of force</td>
</tr>
</tbody>
</table>

## Product Performance & Suitability

| Recommended Storage Conditions | 1 year duration when stored at 72°F (22°C) at 50% RH |
| Expected Life Span in Application | Indoor use, short term only; Please test in application |

## Chemical Resistance

### Weak Chemicals

- **Blood:** Recommended
- **Body Fluid:** Recommended
- **Salt Water:** Recommended
- **Water:** Recommended
- **Window Cleaner:** Recommended

### Moderate Chemicals

- **Alcohol:** Recommended
- **Ammonia:** Test in your application
- **Bleach:** Test in your application
- **IPA:** Recommended

### Harsh Chemicals

- **Gasoline:** Not Recommended
- **Grease:** Not Recommended

### Extreme Chemicals

- **Acetone:** Not Recommended
- **IR Reflow:** Not Recommended
- **MEK:** Not Recommended
- **TCE:** Not Recommended
- **Xylene:** Not Recommended

## Regulatory and Compliance


## Markets and Applications

### Healthcare

- Safe, secure, positive patient ID for hospitals
- Identification of patients with delicate skin

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