

# 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.



### 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.

### 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.

Provide safe, secure and positive patient identification with the Z-Band Direct Lite.  
For more information, please visit [www.zebra.com/wristbands](http://www.zebra.com/wristbands)

# Specifications

Material Construction	
RM#	10033714RM
Facestock	Direct thermal polypropylene 114 microns ±10%
Adhesive	Permanent rubber adhesive on kraft liner 61 microns ±10%
Environment	Indoor use; cold temperature compatible
Temperature Performance	
Service Temperature Range	-40° F to 140° F (-40° C to 60° C)
Recommended Printers and Ribbons	
Printers	Direct thermal printer (no ribbon) Use desktop, ZD600 Series and ZD400 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	
Abrasion Test	Pass: Exceeds 1000x with a dry crocking cloth
Water	Pass: Withstands total immersion in 40°C water for up to 6 hours
91% IPA	Pass: Withstands 50x rubs with soaked cotton applicator
70% IPA	Pass: Withstands 50x rubs with soaked cotton applicator
Betadine	Pass: Withstands 100x rubs with soaked cotton applicator
Purell	Pass: Withstands 50x rubs with soaked cotton applicator
Tensile strength	Pass: Withstands up to 45 pounds of force
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	
Tested to FDA 21CFR, Part 58, referencing: ISO 10993-10, 2002, Biological Evaluation of Medical Devices—Part 10: Tests for Irritation and Delayed-Type Hypersensitivity; ISO 10993-12, 2002, Biological Evaluation of Medical Devices—Part 12: Sample Preparation and Reference Materials; ISO/IEC 17025, 2005, General Requirements for the Competence of Testing and Calibration Laboratories BPA and latex free MR-Safe: poses no known hazards in all MRI environments	

## Markets and Applications

### Healthcare

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



NA and Corporate Headquarters  
+1 800 423 0442  
inquiry4@zebra.com

Asia-Pacific Headquarters  
+65 6858 0722  
contact.apac@zebra.com

EMEA Headquarters  
zebra.com/locations  
contact.emea@zebra.com

Latin America Headquarters  
+1 786 245 3934  
contactme@zebra.com