



# LS 3408FZ Specification Highlights

<b>Market: Manufacturing</b> Applications Shop floor management Inventory control Asset tracking Document control Manufacturing Clean room Assembly line processes  User Assembly line worker Shipping/receiving personnel
<b>Market: Warehousing</b> Applications Warehouse management Inventory management Order processing Cold storage Shipping and receiving Forklift  User Warehouse personnel
<b>Market: Retail GM</b> Applications POS applications Lumber yards Warehouse Do-it-yourself home centers  User Sales associate Receiving dock personnel

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## Physical Characteristics

Dimensions:	7.34 in. H x 4.82 in. W x 2.93 in. D 18.65 cm H x 12.25 cm W x 7.43 cm
Weight (without cable):	12.35 oz./350 gm
Power Requirements:	4.5 – 14VDC
Stand-by Current	50mA
Power Sources:	Depending on host: • Host power • External power supply
Color:	Twilight Black/Yellow

## Performance Characteristics

Scanner Type:	Retrocollective
Light Source:	650 nm visible laser diode
Scan Repetition:	36 scans per second typical
Minimum Element Width:	5 mil/0.127 mm
Nominal Working Distance:	See Decode Zone
Print Contrast:	25% minimum reflective difference
Roll (Tilt): 1	+/- 20 degrees from normal
Pitch: 2	+/- 65 degrees from normal
Skew (Yaw): 3	+/- 50 degrees from normal
Decode Capability:	UPC.EAN, UPC.EAN with Supplementals, UCC.EAN 128, JAN 8 & 13, Code 39, Code 39 Full ASCII, Code 39 Trioptic, Code 128, Code 128 Full ASCII, Codabar (NW7), Interleaved 2 of 5, Discrete 2 of 5, Code 93, MSI, Code 11, Code 32, Bookland EAN, IATA, UCC/EAN RSS and RSS variants
Interfaces Supported:	RS232, Keyboard Wedge, Wand Emulation, Scanner Emulation, IBM 468X/469X, USB and Synapse

## User Environment

Operating Temperature:	22° to 122° F/-30° to 50° C
Storage Temperature:	40° to 158° F/-40° to 70° C
Humidity:	5% to 95% relative humidity, noncondensing
Sealing:	Sealed to IP65 specifications
Drop Specifications:	Unit functions normally after repeated 6.5 ft./2 m drops to concrete
Ambient Light Immunity:	Immune to direct exposure of normal office and factory lighting conditions, as well as direct exposure to sunlight: Indoor: 450 ft. candles/4,842 LUX Outdoor: 8,000 ft. candles/86,080 LUX
Electrostatic Discharge:	Conforms to 20 kV air discharge and 8 kV of contact discharge

## Regulatory

Input Transient Protection:	IEC 1000-4-(2,3,4,5,6,11)
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B, European Union EMC Directive, Japan VCCI/MITI/Dentori.
Laser Safety:	IEC825-1 Class 2

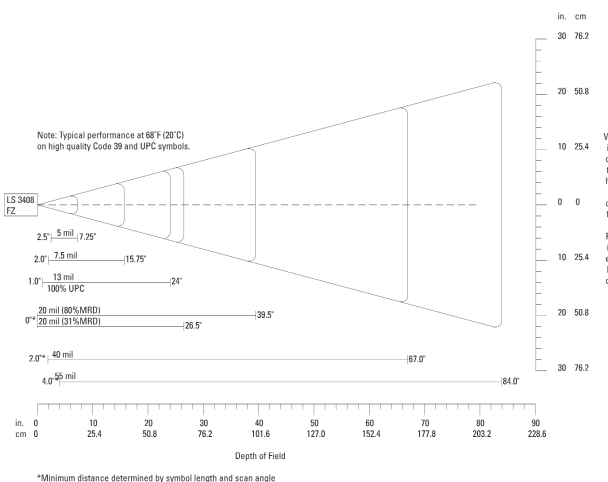
## Warranty

The LS 3408FZ is warranted against defects in workmanship and materials for a period of 3 years (36 months) from date of shipment, provided that the product remains unmodified and is operated under normal and proper conditions. See full warranty for details.

- 1 - Roll (Tilt): Controlled by rotating the wrist clockwise or counterclockwise
- 2 - Pitch: Controlled by dropping or raising the wrist
- 3 - Skew (Yaw): Controlled by rotating the wrist from left to right or vice versa



## 1D Decode Zone for LS 3408FZ



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