

## MECHANICAL SPECIFICATIONS

### FIXTURE

#### Dimensions:

mm: 594 x 690 x 950  
in: 23.4 x 24.8 x 38.4

### PACKED IN ROADCASE

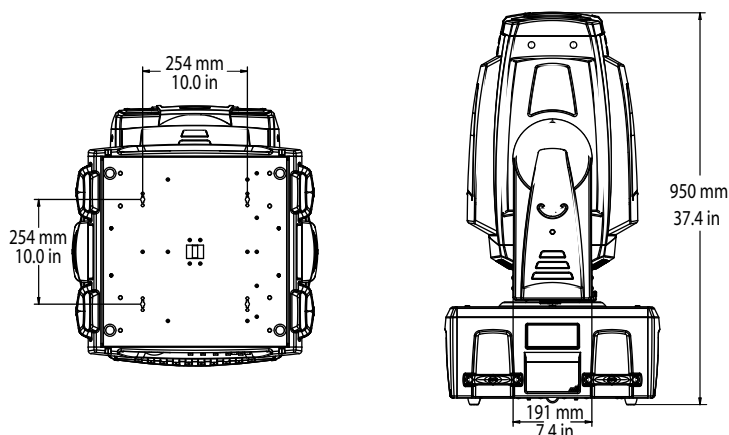
#### Dimensions

mm: 711 x 737 x 1168  
in: 28 x 29 x 46

**Weight:** 63.5 kg (140 lbs) **Weight:** 118 kg (260 lbs)

**Mounting Information:** The DL3 fixture can be truss mounted using 1/4 camlock c-clamps or style pole mounting brackets. It can also stand upright on a stable surface.

**Colors Available:** Black:



## ELECTRICAL/LAMP SPECIFICATIONS

**Input ratings:** 100–120V 7.0A maximum 50/60Hz,  
200–240V 3.5A 50/60Hz

**Power factor:** 0.94

**Fuse:** Power supply output fuse: 5A, 250V slow blow only.

**Lamp:** 330W NSH

**Light Output:** 6500 ANSI lumens

**Rated Lamp Life:** 2000 hours

## COMPUTER

**Processor:** Intel Core2 Duo 2.4 GHz

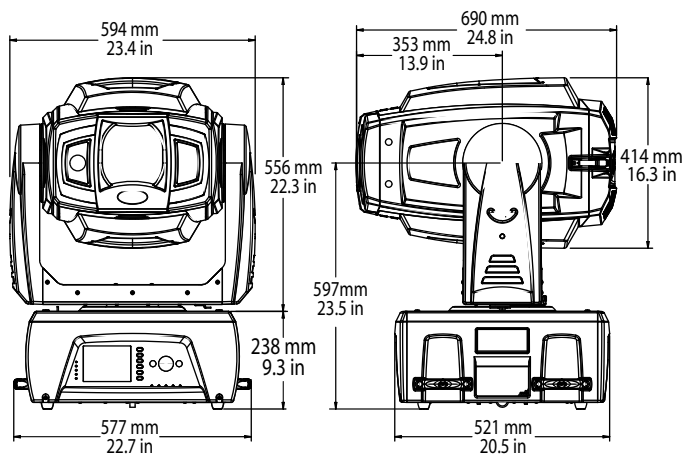
**Memory:** 2 GB DDR2 RAM

**Hard drive:** 320 GB Seagate SATA

**Video Card:** ATI Radeon HD2900

**SDI Capture Card :** Decklink

**Operating System:** Windows XP embedded



## PROJECTOR

**Model:** Christie Digital LX 650

**Aspect ratio:** 4:3 native

**Brightness uniformity:** 90%

**Contrast ratio:** 2000:1 full on/full off

**Vertical Lens Shift:** 107%

**Display technology:** 1.3" LCD w/MLA, 3 panels

**Panel resolution:** 1024 x 768

**Standard Zoom Lens Throw Ratio:** 1.8 - 2.4:1

**Accessory Long Zoom Lens Throw Ratio:** 2.4-4.3:1

**Accessory Ultra Long Zoom Lens Throw Ratio:** 4.3-6.0:1

**Accessory Wide Angle Zoom Lens Throw Ratio:** 1.3-1.8:1

## CAMERA SYSTEM

**Construction:** Super HAD CCD sensor technology

**Lens:** 18x Optical Zoom

**Horizontal view angle:** 48° – 2.8°

**Auto focus Range:** 29mm – 800mm

**Camera Capture Resolution:** 768 x 494 pixels

**Picture Elements:** 380K pixels {768 (H) x 582 (V)}

**Minimum working distance:** 29mm (TELE end, 800mm (WIDE end)

## PART NUMBERS

### Fixture

68010001: DL3 fixture, Black

### Accessories

55030085EF: Replacement Lamp

67060002: Long Zoom Lens kit

67060001: Ultra Long Zoom Lens kit

68060003: Wide Angle Zoom Lens kit

## OPERATION

**Pan:** 400° **Tilt:** 240°

**Control Options:** DMX512, Art-Net

**Minimum Focus Distance:** 1.4 meters (4.6 ft)

**Compliances:** CE, CSA, ETL

**Video Connectors:** RGBHV—BNC x 5, VGA—DB15, S-Video—mini-DIN, SDI input/output

**Peripheral/Network Connectors:** 2 USB ports, Gigabit Ethernet

**DMX Connectors:** 5-pin male and female XLR connectors

**Scanning Frequency:** H-sync. = 15 – 100 KHz, V-sync. = 50 – 100 Hz

**Horizontal Resolution:** 800 TV lines (HDTV)

**Environmental Tolerances:**

Ambient Operating Temperature Range: 5°–40°C (40°–104° F)

Humidity: 20%–80% (non-condensing)

Altitude: 0–8850ft (0–2700m)

**Software Upgrades:** Download Operating software and CMA software from the High End Systems web site ([www.highend.com](http://www.highend.com))

## DMX Channels

| Fixture Control |                              | Global Control |                             | Object Control  |                 |                 |                                 |
|-----------------|------------------------------|----------------|-----------------------------|-----------------|-----------------|-----------------|---------------------------------|
| Channel Offset  | Description                  | Channel Offset | Description                 | Object 1 Offset | Object 2 Offset | Object 3 Offset | Description                     |
| <b>Motion</b>   |                              | 22             | Intensity                   | 57              | 95              | 133             | Opacity                         |
| 1               | Pan coarse                   | 23             | Effect 1 Mode               | 58              | 96              | 134             | Object                          |
| 2               | Pan fine                     | 24             | Effect 1 Modifier 1 (red)   | 59              | 97              | 135             | Media Folder                    |
| 3               | Tilt coarse                  | 25             | Effect 1 Modifier 2 (green) | 60              | 98              | 136             | Media File                      |
| 4               | Tilt fine                    | 26             | Effect 1 Modifier 3 (blue)  | 61              | 99              | 137             | In Frame coarse                 |
| 5               | Dimmer                       | 27             | Effect 2 Mode               | 62              | 100             | 138             | In Frame fine                   |
| 6               | Focus                        | 28             | Effect 2 Modifier 1 (red)   | 63              | 101             | 139             | Out Frame coarse                |
| 7               | Zoom                         | 29             | Effect 2 Modifier 2 (green) | 64              | 102             | 140             | Out Frame fine                  |
| 8               | Mspeed                       | 30             | Effect 2 Modifier 3 (blue)  | 65              | 103             | 141             | Play mode                       |
| 9               | Macro                        | 31             | Mask Select (default iris)  | 66              | 104             | 142             | Play speed                      |
| 10              | Control /Input Select        | 32             | Mask Size (100% = open)     | 67              | 105             | 143             | Sync type                       |
| <b>Camera</b>   |                              | 33             | Mask Edge Fade              | 68              | 106             | 144             | Sync to                         |
| 11              | Camera Zoom position coarse  | 34             | Image Edge Fade Top         | 69              | 107             | 145             | Visual mode                     |
| 12              | Camera Zoom position fine    | 35             | Image Edge Fade Right       | 70              | 108             | 146             | Visual Modifier 1 (black level) |
| 13              | Camera Focus position coarse | 36             | Image Edge Fade Bottom      | 71              | 109             | 147             | Visual Modifier 2 (contrast)    |
| 14              | Camera Focus position fine   | 37             | Image Edge Fade Left        | 72              | 110             | 148             | Effect 1 Mode                   |
| 15              | Infrared                     | 38             | Keystone Top Left X         | 73              | 111             | 149             | Effect 1 Modifier 1 (red)       |
| 16              | Camera Shutter               | 39             | Keystone Top Left Y         | 74              | 112             | 150             | Effect 1 Modifier 2 (green)     |
| 17              | White balance                | 40             | Keystone Top Right X        | 75              | 113             | 151             | Effect 1 Modifier 3 (blue)      |
| 18              | Camera Orientation           | 41             | Keystone Top Right Y        | 76              | 114             | 152             | Effect 2 Mode                   |
| 19              | Camera Effects               | 42             | Keystone Bottom Right X     | 77              | 115             | 153             | Effect 2 Modifier 1 (red)       |
| 20              | Red Gain                     | 43             | Keystone Bottom Right Y     | 78              | 116             | 154             | Effect 2 Modifier 2 (green)     |
| 21              | Blue Gain                    | 44             | Keystone Bottom Left X      | 79              | 117             | 155             | Effect 2 Modifier 3 (blue)      |
|                 |                              | 45             | Keystone Bottom Left Y      | 80              | 118             | 156             | Rotation X coarse               |
|                 |                              | 46             | Keystone X Ratio            | 81              | 119             | 157             | Rotation X fine                 |
|                 |                              | 47             | Keystone Y Ratio            | 82              | 120             | 158             | Rotation Ycoarse                |
|                 |                              | 48             | Viewpoint mode              | 83              | 121             | 159             | Rotation Y fine                 |
|                 |                              | 49             | Viewpoint X Position coarse | 84              | 122             | 160             | Rotation Z coarse               |
|                 |                              | 50             | Viewpoint X Position fine   | 85              | 123             | 161             | Rotation Z fine                 |
|                 |                              | 51             | Viewpoint Y Position coarse | 86              | 124             | 162             | X Scale                         |
|                 |                              | 52             | Viewpoint Y Position fine   | 87              | 125             | 163             | Y Scale                         |
|                 |                              | 53             | Viewpoint Z (Zoom) coarse   | 88              | 126             | 164             | Z Scale                         |
|                 |                              | 54             | Viewpoint Z (Zoom) fine     | 89              | 127             | 165             | X Position coarse               |
|                 |                              | 55             | Global Control              | 90              | 128             | 166             | X Position fine                 |
|                 |                              | 56             | Global Control Modifier     | 91              | 129             | 167             | Y Position coarse               |
|                 |                              |                |                             | 92              | 130             | 168             | Y Position fine                 |
|                 |                              |                |                             | 93              | 131             | 169             | Z Position coarse               |
|                 |                              |                |                             | 94              | 132             | 170             | Z Position fine                 |