

## 2 Specifications

| Discipline        | Parameter             | ILS-450-20   | ILS-450-50      |  |
|-------------------|-----------------------|--------------|-----------------|--|
| <b>Mechanical</b> | Width                 | 20.40 in.    |                 |  |
|                   | Depth                 | 20.00 in.    |                 |  |
|                   | Height                | 19.40 in.    |                 |  |
|                   | Weight                | 60 lb.       |                 |  |
|                   | Fiber Connection      | SMA 905      |                 |  |
| <b>Electrical</b> | Max Operating Current | 2.5 A        |                 |  |
|                   | Operating Voltage     | 32 V         | 81 V            |  |
|                   | Max Bandwidth         | 1kHz         |                 |  |
|                   | Modulation Voltage    | 0-5 V Typ.   |                 |  |
|                   | <b>RS-232 9 Pins</b>  | <b>Pin 1</b> | Ground          |  |
|                   |                       | <b>Pin 2</b> | Interlock       |  |
|                   |                       | <b>Pin 3</b> | $V_{Laser}$     |  |
|                   |                       | <b>Pin 4</b> | Crow Bar Status |  |
|                   |                       | <b>Pin 5</b> | Ground          |  |
|                   |                       | <b>Pin 6</b> | N.C.            |  |
|                   |                       | <b>Pin 7</b> | $V_{MOD}$       |  |
|                   |                       | <b>Pin 8</b> | Ground          |  |
|                   |                       | <b>Pin 9</b> | N.C.            |  |
| <b>Optical</b>    | Wavelength            | 445 nm       |                 |  |
|                   | Fiber Core Diameter   | 200 $\mu$ m  |                 |  |
|                   | Numerical Aperture    | 0.22         |                 |  |
|                   | CW Output Power       | 20 W         | 50 W            |  |