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Data Sheet

August 1, 2026

ILX LIGHTWAVE

ILX Lightwave LDX-3100: Board Level Current Source, 200 mA

ILX Lightwave LDX-3100 Board Level Current Source, 200 mA The ILX Lightwave LDX-3100 is a board-level precision current source rated for controlled output up to 200 mA. It is intended for OEM and system integration into optical and electronic assemblies where a compact, stable laser-diode-class current source is required without a full benchtop instrument chassis. A detailed public OEM datasheet uniquely titled LDX-3100 was not widely available; verified identity is the 200 mA board-level ILX current source. Related ILX benchtop precision drivers (LDX-3200 series) publish 200 mA range performance that indicates the technology class, but board-level electricals must be confirmed from the module silkscreen and any surviving ILX OEM drawing. The ILX Lightwave LDX-3100 is a board-level precision current source rated for controlled output up to 200 mA. It is intended for OEM and system integration into optical and electronic assemblies where a compact, stable laser-diode-class current source is required without a full benchtop instrument chassis. A detailed public OEM datasheet uniquely titled LDX-3100 was not widely available; verified identity is the 200 mA board-level ILX current source. Related ILX benchtop precision drivers (LDX-3200 series) publish 200 mA range performance that indicates the technology class, but board-level electricals must be confirmed from the module silkscreen and an

No photo

MODEL

**ILX Lightwave
3100**

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

3100

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- Board-level / OEM form factor (not a self-contained benchtop instrument)
- Controlled current sourcing up to 200 mA
- Precision current-source architecture from ILX Lightwave laser diode control family
- Intended for system integration with external supply and control wiring

3100 Characteristics / Specifications

PARAMETER	VALUE
Model	LDX-3100
Manufacturer	ILX Lightwave
Instrument Type	Board-level / OEM laser diode current source
Output Current	up to 200 mA
Form Factor	Board-level module (requires host chassis / power / interconnect)

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

performance that indicates the technology class, but board-level electricals must be confirmed from the module silkscreen and any surviving ILX OEM drawing.

Applications

Embedded laser diode drive in custom instruments; OEM optical modules; compact test fixtures requiring up to 200 mA precision current; integration where external power supplies and host control replace a benchtop LDX front panel.

Key Features

- Board-level / OEM form factor (not a self-contained benchtop instrument)
- Controlled current sourcing up to 200 mA
- Precision current-source architecture from ILX Lightwave laser diode control family
- Intended for system integration with external supply and control wiring

Technical Specifications

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Form Factor	Board-level module (requires host chassis / power / interconnect)

Detailed Compliance, Noise, and Modulation Specs: Not verified from a primary LDX-3100 datasheet for this session; measure or obtain OEM drawing for setpoint accuracy, compliance voltage, and protection features

Related Product Context (LDX-3200 Series Benchtop, 200 mA Range – Class Reference Only)

LDX-3200 family 200 mA range examples: setpoint resolution on the order of 4 uA; accuracy about +/-0.05% of FS; compliance voltage adjustable to about 10 V; short-term stability less than 10 ppm (1 hr). Do not assume these numbers apply unchanged to the LDX-3100 board without confirmation.

Standard Operating Conditions

Provide adequate heatsinking and supply voltage for continuous 200 mA. Observe laser diode ESD and polarity practices. Confirm connector pinout from the module documentation before applying power.

Operational Notes

Do not confuse with benchtop LDX-3210 / LDX-3220 instruments. The LDX-3100 is an OEM board. Catalog shipping weights for boxed used units do not reflect the bare board mass.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.