



Architectural Dimmers

Features:

- U.L. Listed
- Locking front door
- Overtemp protection
- Branch breakers standard
- Fully magnetic circuit breakers
- Fan cooled for reliable operation
- Class II control circuitry interfaces to all EDI controls

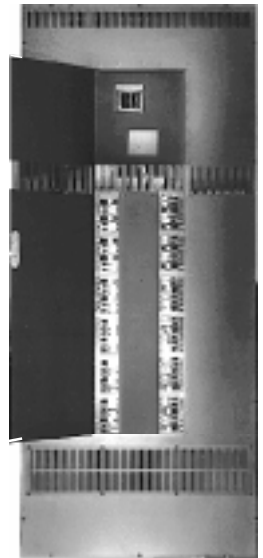
Prolite Series Cabinets



PLJ-DC3 - Mini



PLJ-DC6 - Junior



PLS-DC12 - Senior

Description

The Prolite series Dimmer Cabinets are a perfect solution for advanced architectural lighting systems. The cabinets resemble a normal circuit breaker panel and can easily be surface or recessed mounted.

The Prolite's modular design allows the ability to control any combination of standard and low-voltage incandescent, quartz, fluorescent, neon, electronic ballast, and cold-cathode sources from the same cabinet.

The Prolite series Dimmer Cabinets are reliable, well-designed and easily installed.

Ordering Information

Cabinet:

- | | |
|----------------------------------|----------------------------------------------------|
| <input type="checkbox"/> PLJ-DC3 | <input type="checkbox"/> PLS-DC6 |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> PLJ-DC6 | <input type="checkbox"/> PLS-DC12 |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| | <input type="checkbox"/> PLJ-EXT Cabinet Extension |

Mounting:

- Surface
- Flush

Power Options:

- Single-Phase 120/240 VAC
- Three-Phase 120/208 VAC
- PL-MB Main Circuit Breaker
- Overseas Voltages & Frequencies

Control Options:

- Analog (1020) Card
- DMX (1040) Card
- Panic Enable (1041) Card
- Analog Matrix (1042) Card
- Hand Programmer

Dimming Modules:

- | | |
|-----------------------------------------------|-----------------------------------------------|
| <input type="checkbox"/> PLJ-Q1/I Quad 1.8kw | <input type="checkbox"/> PLS-Q2/I Quad 2.4kw |
| <input type="checkbox"/> PLJ-D2/I Dual 2.4kw | <input type="checkbox"/> PLS-D2/I Dual 2.4kw |
| <input type="checkbox"/> PLJ-D3/I Dual 3.6kw | <input type="checkbox"/> PLS-D3/I Dual 3.6kw |
| <input type="checkbox"/> PLJ-6/I Single 6.0kw | <input type="checkbox"/> PLS-6/I Single 6.0kw |
| <input type="checkbox"/> PLJ-D2/I HP | <input type="checkbox"/> PLS-D2/I HP |

Auxiliary Modules/Options

- PLJ-Q1/ND
- PLJ-D2/ND
- PLS-Q2/ND (4) 20 Amp solid-state relays which function as latching relay equivalent.

- PLJ-CB 1-7 20A circuit breakers for additional constant circuits.
- PLS-CB 1-8 20A circuit breakers for additional constant circuits.
- Saf-T-Qube™

JOB NUMBER:

APPROVAL STAMP

JOB NAME:

CUSTOMER:

P. O. #

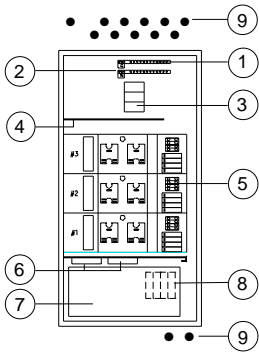
Electronics Diversified, Inc.

PRODUCT DATA SHEET
A100

1675 N.W. Cornelius Pass Road ● Hillsboro, Oregon 97124 U.S.A.

Phone: (503) 645-5533 ● FAX: (503) 629-9877 ● Web Site: www.EDIONline.com

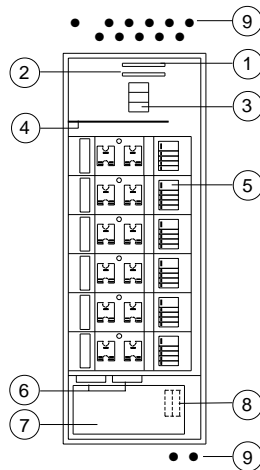
Prolite PLJ-DC3



Dimensions: (Backbox)
33³/₈"H x 14¹/₂"W x 4"D
(85.41cm x 36.83cm x 10.16cm)

Est. Shipping Weight:
90 lbs. (40.82kg)

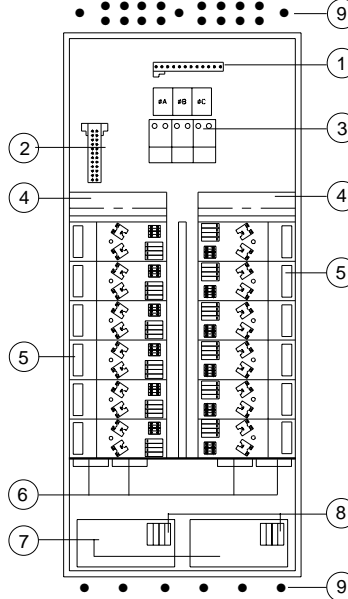
Prolite PLJ-DC6



Dimensions: (Backbox)
46"H x 14¹/₂"W x 4"D
(116.84cm x 36.83cm x 10.16cm)

Est. Shipping Weight:
145 lbs. (65.77kg)

Prolite PLS-DC12



Dimensions: (Backbox)
70"H x 30¹/₂"W x 6"D
(177.80cm x 77.47cm x 15.24cm)

Est. Shipping Weight:
450 lbs. (204.12kg)

Knockout Dimensions: (All Cabinets)
1³/₈" O.D. (3.49cm) – 1¹/₈" I.D. (2.86cm)

Specifications

- 1a. Dimmer cabinets PLJ-DC3 and PLJ-DC6 shall mount between 4" studs on 16" centers.
- 1b. Dimmer cabinet PLS-DC12 shall mount between 6" studs on 32" centers.
2. The dimmer cabinet(s) shall be constructed of heavy-duty materials finished with black polyurethane enamel paint.
- 3a. Dimmer cabinets PLJ-DC3 and PLJ-DC6 shall accommodate Quad 1.8kw, Dual 2.4kw, Dual 3.6kw, and single 6.0kw dimmer modules.
- 3b. Dimmer cabinet PLS-DC12 shall accommodate Quad 2.4kw, Dual 2.4kw, Dual 3.6kw and single 6.0kw dimmer modules.
4. A main disconnect, molded case primary shall be provided. (Optional)
5. Standard and low-voltage incandescent, quartz, dimming ballast, fluorescent, neon, and cold-cathode lighting dimmers shall be accommodated in the same cabinet(s).
6. The dimmer cabinet(s) shall provide positive forced-air ventilation to cool the dimming system.
7. The dimmer cabinet(s) shall have a locking door to prevent unauthorized access.
8. The dimmer cabinet(s) shall be U.L. Listed.
9. The dimmer cabinet(s) shall be the Prolite series as manufactured by Electronics Diversified, Inc., Hillsboro, Oregon, U.S.A.

LEGEND:

- | | |
|-------------------------------|----------------------------|
| 1. GROUND BUS | 6. COOLING FANS |
| 2. NEUTRAL BUS | 7. DIMMER INTERFACE MODULE |
| 3. INPUT POWER TERMINAL BLOCK | 8. CONTROL CONNECTION AREA |
| 4. HEAT DEFLECTOR | 9. KNOCKOUT ACCESS AREAS |
| 5. DIMMER MODULE | |

Optional Prolite Digital Control Electronics

DMX Card:

When a DMX Card is inserted in the control bus, the system becomes USITT DMX-512 compatible. Any DMX-512 console will have access to Prolite dimmers. If two consoles address the Prolite system with two DMX cards, Prolite operates on a "highest takes precedence" basis and both consoles have access to the Prolite dimmers. The DMX card also supports RS 485 data link for Twilite 9 communications.

The DMX card also provides an Auto-Hold feature which will hold the last valid signal indefinitely when the signal is interrupted or lost. Auto-Hold will restore the previous "look" when interrupted by power outages.

Panic Enable Card:

When the Panic Enable Card is inserted in the control bus, the system will respond to user-definable Panic defaults identified by dip switches on the card. Up to 3 discrete channels of control are available on this card. The channels can be set to operate in either "solo" or "pile-on" modes. The levels of each channel can be field-adjusted to any value between "0" and "FL". The Panic Enable Card also allows for remote inputs to access the channels with maintained contact closures.

The Panic Enable Card also has the capacity to allow remote lockout of any of the channels. The Panic Enable Card is ideal for Worklight and Cleanup functions as well as basic Panic functions.

Analog Matrix Card:

When the Analog Matrix Card is inserted in the control bus, the dimmer-to-analog control channel assignment can be altered in the field without altering the contractor terminations. The Analog Matrix Card is ideal for projects where the environment may require frequent user changes in the channel assignments within the dimmer system.

Hand Programmer:

The DMX card supports a hand-held Programmer which allows dimmer-to-channel patch assignments. These assignments can be stored off-line for future use, or reloaded to the card should the primary memory be lost.

The programmer plugs into dimmer cabinet for fast setup and configuration requirements.