



FKSZ2.E332918

Drivers for Light-emitting-diode Arrays, Modules and Controllers - Component

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Drivers for Light-emitting-diode Arrays, Modules and Controllers - Component


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XP POWER LTD E332918
 401 COMMONWEALTH DR
 HAW PAR TECHNOCENTRE
 LOBBY B, #02-02
 SINGAPORE, 149598 SINGAPORE

LED drivers, isolated output, Class 2, Cat. Nos. DLA50PS12-V-xxxx, DLA50PS24-V-xxxx, DLA50PS2100-A-xxxx, DLA50PS2770-A-xxxx, DLA50PS3000-A-xxxx, DLA50PS2100-A-xxxx, DLA50PS2770-A-xxxx, DLA50PS3000-A-xxxx, DLA50PS12-VL-xxxx, DLA50PS18-VL-xxxx, DLA50PS24-VL-xxxx, DLA50PS36-VL-xxxx, DLA50PS48-VL-xxxx, DLA75PS1400-A-xxxx, DLA75PS2100-A-xxxx, DLA75PS3750-A-xxxx.

LED drivers, isolated output, Non-Class 2, Cat. Nos. DLA50PS350-A-xxxx, DLA50PS450-A-xxxx, DLA50PS700-A-xxxx, DLA150PS12-V-xxxx, DLA150PS24-V-xxxx, DLA150PS36-V-xxxx, DLA150PS42-V-xxxx, DLA150PS48-V-xxxx, DLA150PS54-V-xxxx, DLA150PS81-V-xxxx, DLA50PS1050-A-xxxx, DLA50PS1400-A-xxxx, DLA75PS12-V-xxxx, DLA75PS24-V-xxxx, DLA75PS36-V-xxxx, DLA75PS42-V-xxxx, DLA75PS48-V-xxxx, DLA75PS54-V-xxxx, DLA75PS81-V-xxxx, DLA75PS105-V-xxxx, DLA120PS1050-A-xxxx, DLA120PS1400-A-xxxx, DLA120PS1750-A-xxxx, DLA120PS2100-A-xxxx, DLA120PS2450-A-xxxx, DLA120PS2800-A-xxxx, DLA120PS3150-A-xxxx, DLA120PS3500-A-xxxx, DLA120PS4200-A-xxxx, DLA120PS4900-A-xxxx, DLA120PS700-A-xxxx, DLA75PS350-A-xxxx, DLA75PS450-A-xxxx, DLA75PS700-A-xxxx, DLA75PS1050-A-xxxx, DLA75PS2800-A-xxxx, DLA75PS5000-A-xxxx, DLA120PS0450-A-xxxx, DLA120PS350-A-xxxx, DLA150PS700-A-xxxx, DLA150PS1050-A-xxxx, DLA150PS1400-A-xxxx, DLA150PS1750-A-xxxx, DLA150PS2100-A-xxxx, DLA150PS2450-A-xxxx, DLA150PS2800-A-xxxx, DLA150PS3150-A-xxxx, DLA150PS3500-A-xxxx, DLA150PS4200-A-xxxx, DLA150PS4900-A-xxxx, DLA150PS5950-A-xxxx, DLA50PS1190-A-xxxx, DLA150PS105-V-xxxx.

Note: xxxx can be any alphanumeric character or blank.

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Drivers for Light-emitting-diode Arrays, Modules and Controllers - Component

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[Electric Lamp Control Equipment - Component] Drivers for Light-emitting-diode Arrays, Modules and Controllers - Component

[See General Information for Electric Discharge Lamp Control Equipment - Component](#)

The devices covered under this category are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. THE FINAL ACCEPTANCE OF THE COMPONENT IS DEPENDENT UPON ITS INSTALLATION AND USE IN COMPLETE EQUIPMENT SUBMITTED TO UNDERWRITERS LABORATORIES INC.

GENERAL

This category covers light-emitting-diode (LED) drivers providing a regulated output for an LED array or LED module, with or without an LED controller (control module). The output has LEDs connected in parallel or connected in series.

LED drivers may have incomplete constructional features that include, but are not limited to

1. incomplete or lack of an electrical/mechanical/fire enclosure,
2. supply wire less than 6 in. (152.4 mm) in length, or
3. drivers intended for integration with circuitry in specific applications.

An assembly comprising an LED light source (LED array, controlling circuitry and driver) is covered under Light-emitting-diode Arrays, Modules and Controllers ([OQQA2](#)).

CONDITIONS OF ACCEPTABILITY

Consideration is to be given to the Conditions of Acceptability specified in the individual Reports when these components are employed in the end-use equipment.

RELATED PRODUCTS

Power supplies that can be employed as LED drivers may also be covered under:

- Direct-plug-in and Cord-connected Class 2 Power Units ([EPBU](#))
- Low-voltage Lighting Systems, Power Units, Luminaires and Fittings ([IFDR](#))
- Power Supplies, General Purpose ([QQFU](#)) or Power Supplies, Specialty ([QOJ](#))
- Sign Accessories ([UYMR2](#))


LEDs arrays, modules and controllers are covered under:

- Light-emitting-diode Arrays, Modules and Controllers ([OQQA2](#))
- Low-voltage Lighting Systems, Power Units, Luminaires and Fittings ([IFDR](#))

REQUIREMENTS

The basic standard used to investigate products in this category is [ANSI/UL 8750](#), "Light Emitting Diode (LED) Equipment for Use in Lighting Products."

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Drivers for Light-emitting-diode Arrays, Modules and Controllers Certified for
Canada - Component

[See General Information for Drivers for Light-emitting-diode Arrays, Modules and Controllers Certified for Canada - Component](#)

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[Electric Lamp Control Equipment Certified for Canada - Component] Drivers for Light-emitting-diode Arrays, Modules and Controllers Certified for Canada - Component

[See General Information for Electric Discharge Lamp Control Equipment Certified for Canada - Component](#)

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1. incomplete or lack of an electrical/mechanical/fire enclosure,
2. supply wire less than 152.4 mm in length, or
3. drivers intended for integration with circuitry in specific applications.

An assembly comprising an LED light source (LED array, controlling circuitry and driver) is covered under Light-emitting-diode Arrays, Modules and Controllers Certified for Canada ([OOQA8](#)).

CONDITIONS OF ACCEPTABILITY

Consideration is to be given to the Conditions of Acceptability specified in the individual Reports when these components are employed in the end-use equipment.

RELATED PRODUCTS

Power supplies that can be employed as LED drivers may also be covered under:

Direct-plug-in and Cord-connected Class 2 Power Units Certified for Canada ([EPBU7](#))

Low-voltage Lighting Systems, Power Units, Luminaires and Fittings Certified for Canada ([IFDR7](#))

Power Supplies, General Purpose Certified for Canada ([QQFU7](#)) or Power Supplies, Specialty Certified for Canada ([QQIJ7](#))

Sign Accessories Certified for Canada ([UYMR8](#))

LED arrays, modules and controllers are covered under:

Light-emitting-diode Arrays, Modules and Controllers Certified for Canada ([OOQA8](#))

Low-voltage Lighting Systems, Power Units, Luminaires and Fittings Certified for Canada ([IFDR7](#))

REQUIREMENTS

The basic standards used to investigate products in this category are:

CAN/CSA-C22.2 No. 0, "General Requirements - Canadian Electrical Code, Part II"

CSA-C22.2 No. 107.1, "General Use Power Supplies"

CAN/CSA-C22.2 No. 207, "Portable and Stationary Electric Signs and Displays"

CAN/CSA-C22.2 No. 223, "Power Supplies with Extra-Low-Voltage Class 2 Outputs"

CSA-C22.2 No. 250.0, "Luminaires"

CAN/CSA-C22.2 No. 60950-1, "Information Technology Equipment - Safety - Part 1: General Requirements"

CSA Technical Information Letter No. O-18, "Power Supplies Having Output Voltage Greater Than 30V ac or 42.4V Peak or dc, and Using CAN/CSA C22.2 No. 223"

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