

LED DRIVERS AND LIGHTING CONTROL SOLUTIONS DESIGNED FOR RELIABILITY

LED Drivers and Lighting Control Solutions

Reliable power and control solutions for professional lighting applications.



COMPANY INTRODUCTION

Joyman Controls

Joyman Controls supplies LED drivers, dimmer-driver combinations, LED dimmable drivers, and LED power supplies for distributors, contractors, OEM manufacturers, and lighting professionals.



Joyman Controls company and production facility

Who We Serve

Distributors, electrical contractors, lighting designers, OEM manufacturers, millwork builders, retail fixture teams, and commercial project teams.

What We Supply

All-in-one drivers, dimmer-driver combos, dimmable constant voltage and constant current drivers, power supplies, specification sheets, and support guides.

How We Support Projects

Product selection support, quotation coordination, documentation, dimming compatibility guidance, and OEM application support.

Quality & Manufacturing

Established processes from incoming inspection through assembly

Joyman Controls supports consistent lighting power and control production through defined material inspection, assembly, process review, and final verification workflows.



Production workshop



Assembly line



Assembly line operations



Component inspection



Detailed component review



Process audit and review

PRODUCTION CAPABILITIES

Production Capabilities

Supporting projects from electronic assembly through final packaging

Production capabilities cover core electronic assembly, transformer production, protective potting, final assembly, and packaging for repeat lighting product programs.



SMT workshop



DIP workshop



Transformer workshop



Potting equipment



Potting line



Product packaging

TESTING & VERIFICATION

Testing & Verification

Functional, safety, aging, and finished-product checks

LED driver products move through documented process testing, application-specific checks, safety review, aging evaluation, and finished-product verification before packaging.



Testing process



All-in-one driver testing



Safety testing



Aging station



Aging equipment



Finished-product testing

Warehouse & Material Flow

Organized inventory from incoming materials through finished products

Separate storage areas support raw-material control, work-in-process coordination, and finished-product handling for ongoing project and OEM supply requirements.



Raw-material warehouse



Semi-finished product storage



Finished-product warehouse

Catalog Categories



All-in-One Drivers

Integrated junction box 5-in-1 dimmable drivers.



Dimmer Driver Combos

Integrated power and dimming control.



LED Dimmable Drivers

Junction box, slim, waterproof, DALI, and programmable platforms.



LED Power Supplies

Constant voltage power supplies for LED lighting systems.

PRODUCT CATEGORY

All-in-One Drivers

Integrated junction box 5-in-1 dimmable LED drivers designed to simplify installation, reduce wiring complexity, and support common North American dimming methods.



Key Benefits

- Integrated junction box for cleaner wiring
- 5-in-1 dimming compatibility
- Suitable for residential, commercial, retail, hospitality, and architectural lighting

Typical Applications

Commercial spaces, residential projects, retail environments, hospitality, OEM integration, architectural lighting, cabinet lighting, millwork, signage, and specialty LED lighting systems depending on product family.

Product Tables by Subcategory

Junction box style						
Model	Input	Output	Wattage	Dimming / Control	Warranty	Description
JLAC-CV030-12	100-277Vac	12Vdc	30W (Class 2)	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV030-24	100-277Vac	24Vdc	30W (Class 2)	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV060-12	100-277Vac	12Vdc	60W (Class 2)	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV060-24	100-277Vac	24Vdc	60W (Class 2)	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV100-12	100-277Vac	12Vdc	100W	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV096-24	100-277Vac	24Vdc	96W(Class 2)	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV150-12	100-277Vac	12Vdc	150W	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV150-24	100-277Vac	24Vdc	150W	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV200-12	100-277Vac	12Vdc	200W	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV200-24	100-277Vac	24Vdc	200W	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV300-12	100-277Vac	12Vdc	300W	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV300-24	100-277Vac	24Vdc	300W	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.

Class 2 Multiple output						
Model	Input	Output	Wattage	Dimming / Control	Warranty	Description
JLAC-CV180-12	100-277Vac	12Vdc	180W	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.

Model	Input	Output	Wattage	Dimming / Control	Warranty	Description
JLAC-CV192-24	100-277Vac	24Vdc	192W	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV192-48	100-277Vac	48Vdc	192W	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV300-12M	100-277Vac	12Vdc	300W	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV288-24	100-277Vac	24Vdc	288W	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV288-48	100-277Vac	24Vdc	288W	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV384-24	100-277Vac	24Vdc	384W	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.
JLAC-CV384-48	100-277Vac	48Vdc	384W	5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM	7 years	5-in-1 dimmable constant voltage LED driver with integrated junction box.

PRODUCT CATEGORY

Dimmer Driver Combos

All-in-one dimmer and driver products combining power and control in a compact device to reduce compatibility questions and simplify field installation.



Key Benefits

- Integrated driver and dimmer
- No separate wall dimmer required
- Automatic 12V/24V platform support where documented
- Reduced component count for contractors and distributors

Typical Applications

Commercial spaces, residential projects, retail environments, hospitality, OEM integration, architectural lighting, cabinet lighting, millwork, signage, and specialty LED lighting systems depending on product family.

Product Tables by Subcategory

LED dimmer+driver 2 in 1, PWM output, 12/24V Auto Adapt, flicker free

Model	Input	Output	Wattage	Dimming / Control	Warranty	Description
JLAD-CV060-1224	120-277Vac	12V±0.5V 24V±0.5V	60W (Class 2)	Integrated dimmer-driver control	7 years	Integrated dimmer-driver solution with auto 12V/24V platform support.
JLAD-CV096-1224	120-277Vac	12V±0.5V 24V±0.5V	96W (Class 2)	Integrated dimmer-driver control	7 years	Integrated dimmer-driver solution with auto 12V/24V platform support.

LED dimmer+driver 2 in 1, PWM output, 12/24V Auto Adapt, tunable white (TW dimming)

Model	Input	Output	Wattage	Dimming / Control	Warranty	Description
JLAD-CVTW060-1224	120-277Vac	12V±0.5V 24V±0.5V	60W (Class 2)	Integrated dimmer-driver control	7 years	Integrated dimmer-driver solution with auto 12V/24V platform support.
JLAD-CVTW096-1224	120-277Vac	12V±0.5V 24V±0.5V	96W (Class 2)	Integrated dimmer-driver control	7 years	Integrated dimmer-driver solution with auto 12V/24V platform support.

PRODUCT CATEGORY

LED Dimmable Drivers

Dimmable driver families for junction box, ultra-slim, waterproof, DALI, and programmable constant current applications.

Key Benefits

- Multiple mechanical formats
- Options for tight spaces and demanding environments
- Constant voltage and programmable constant current platforms
- Supports architectural, commercial, OEM, cabinet, and millwork projects

Typical Applications

Commercial spaces, residential projects, retail environments, hospitality, OEM integration, architectural lighting, cabinet lighting, millwork, signage, and specialty LED lighting systems depending on product family.



Product Tables by Subcategory

Waterproof Dimmable Drivers

Model	Input	Output	Wattage	Dimming / Control	Warranty	Description
JLAL-CV030-12	100-277Vac	12Vdc	30W (Class 2)	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV030-24	100-277Vac	24Vdc	30W (Class 2)	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV060-12	100-277Vac	12Vdc	60W (Class 2)	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV060-24	100-277Vac	24Vdc	60W (Class 2)	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV100-12	100-277Vac	12Vdc	100W	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV096-24	100-277Vac	24Vdc	96W(Class 2)	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV150-12	100-277Vac	12Vdc	150W	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV150-24	100-277Vac	24Vdc	150W	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV200-12	100-277Vac	12Vdc	200W	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV200-24	100-277Vac	24Vdc	200W	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV300-12	100-277Vac	12Vdc	300W	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV300-24	100-277Vac	24Vdc	300W	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.

Class 2 Multiple output

Model	Input	Output	Wattage	Dimming / Control	Warranty	Description
JLAL-CV180-12	100-277Vac	12Vdc	180W	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV192-24	100-277Vac	24Vdc	192W	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV192-48	100-277Vac	48Vdc	192W	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV300-12M	100-277Vac	12Vdc	300W	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV288-24	100-277Vac	24Vdc	288W	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV288-48	100-277Vac	24Vdc	288W	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.

Model	Input	Output	Wattage	Dimming / Control	Warranty	Description
JLAL-CV384-24	100-277Vac	24Vdc	384W	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV384-48	100-277Vac	48Vdc	384W	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.

Plastic Dimmable Drivers

Model	Input	Output	Wattage	Dimming / Control	Warranty	Description
JLAS-CV030-12	100-277Vac	12Vdc	30W (Class 2)	TRIAC / ELV dimming	7 years	Ultra-slim dimmable driver for space-constrained installations.
JLAS-CV030-24	100-277Vac	24Vdc	30W (Class 2)	TRIAC / ELV dimming	7 years	Ultra-slim dimmable driver for space-constrained installations.
JLAS-CV060-12	100-277Vac	12Vdc	60W (Class 2)	TRIAC / ELV dimming	7 years	Ultra-slim dimmable driver for space-constrained installations.
JLAS-CV060-24	100-277Vac	24Vdc	60W (Class 2)	TRIAC / ELV dimming	7 years	Ultra-slim dimmable driver for space-constrained installations.
JLAS-CV100-12	100-277Vac	12Vdc	100W	TRIAC / ELV dimming	7 years	Ultra-slim dimmable driver for space-constrained installations.
JLAS-CV096-24	100-277Vac	24Vdc	96W(Class 2)	TRIAC / ELV dimming	7 years	Ultra-slim dimmable driver for space-constrained installations.
JLAS-CV120-12	100-277Vac	12Vdc	120W	TRIAC / ELV dimming	7 years	Ultra-slim dimmable driver for space-constrained installations.
JLAS-CV120-24	100-277Vac	24Vdc	120W	TRIAC / ELV dimming	7 years	Ultra-slim dimmable driver for space-constrained installations.

Ultra-slim Waterproof Dimmable Drivers

Model	Input	Output	Wattage	Dimming / Control	Warranty	Description
JLAL-CV060-12S	100-277Vac	12Vdc	60W (Class 2)	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV060-24S	100-277Vac	24Vdc	60W (Class 2)	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV100-12S	100-277Vac	12Vdc	100W	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.
JLAL-CV096-24S	100-277Vac	24Vdc	96W(Class 2)	TRIAC / ELV dimming	7 years	Waterproof dimmable driver for demanding indoor or outdoor applications.

Ultra-slim Dimmable Driver

Model	Input	Output	Wattage	Dimming / Control	Warranty	Description
JLUS-CV024-12	100-130Vac	12Vdc	24W (Class 2)	TRIAC / ELV dimming	7 years	LED driver solution for professional lighting applications.
JLUS-CV024-24	100-130Vac	24Vdc	24W (Class 2)	TRIAC / ELV dimming	7 years	LED driver solution for professional lighting applications.
JLUS-CV030-12	100-130Vac	12Vdc	30W (Class 2)	TRIAC / ELV dimming	7 years	LED driver solution for professional lighting applications.
JLUS-CV030-24	100-130Vac	24Vdc	30W (Class 2)	TRIAC / ELV dimming	7 years	LED driver solution for professional lighting applications.

Junction Box Dimmable Driver

Model	Input	Output	Wattage	Dimming / Control	Warranty	Description
JLUSA-CV060-12	100-277Vac	12Vdc	60W (Class 2)	TRIAC / ELV dimming	7 years	Junction box dimmable driver for clean wiring and compact installation.
JLUSA-CV060-24	100-277Vac	24Vdc	60W (Class 2)	TRIAC / ELV dimming	7 years	Junction box dimmable driver for clean wiring and compact installation.
JLUSA-CV096-24	100-277Vac	24Vdc	96W(Class 2)	TRIAC / ELV dimming	7 years	Junction box dimmable driver for clean wiring and compact installation.

Programmable Constant Current Drivers

Model	Input	Output	Wattage	Dimming / Control	Warranty	Description
JYVT-CC030-1050	120-277Vac	10-54Vdc	30W	Programmable constant current control	7 years	Programmable constant current driver for OEM and fixture applications.
JYVT-CC050-1400	120-277Vac	10-54Vdc	50W	Programmable constant current control	7 years	Programmable constant current driver for OEM and fixture applications.

[illegible]

PRODUCT CATEGORY

LED Power Supplies

Constant voltage LED power supply options for lighting systems where reliable power delivery is the primary requirement.

Key Benefits

- Multiple wattage platforms
- Constant voltage power for linear and low-voltage lighting systems
- Compact and low-profile options where documented
- Designed for professional lighting project support

Typical Applications

Commercial spaces, residential projects, retail environments, hospitality, OEM integration, architectural lighting, cabinet lighting, millwork, signage, and specialty LED lighting systems depending on product family.



Product Tables by Subcategory

Constant Voltage Non-Dimmable						
Model	Input	Output	Wattage	Dimming / Control	Warranty	Description
JQNLB-CV100-48	100-277Vac	48Vdc	100W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JQNLB-CV200-48	100-277Vac	48Vdc	200W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JQNLB-CV320-48	100-277Vac	48Vdc	320W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JFNA-CV075-24	100-277Vac	24Vdc	75W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JFNA-CV096-24	100-277Vac	24Vdc	96W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JFNA-CV200-24	100-277Vac	24Vdc	200W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JFNA-CV240-24	100-277Vac	24Vdc	240W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JFNA-CV320-24	100-277Vac	24Vdc	300W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JFNA-CV075-24C	100-277Vac	12/24Vdc Switchable	75W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JFNA-CV096-24C	100-277Vac	12/24Vdc Switchable	96W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JFNA-CV200-24C	100-277Vac	12/24Vdc Switchable	200W/150W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JFNA-CV240-24C	100-277Vac	12/24Vdc Switchable	240W/192W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JFNA-CV320-24C	100-277Vac	12/24Vdc Switchable	300W/216W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JLNM-CV060-12	120-277Vac	12Vdc	60W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.

Model	Input	Output	Wattage	Dimming / Control	Warranty	Description
JLNM-CV060-24	120-277Vac	24Vdc	60W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JLNM-CV096-12	120-277Vac	12Vdc	96W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JLNM-CV096-24	120-277Vac	24Vdc	96W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JLNLA-CV060-12	100-277Vac	12Vdc	60W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JLNLA-CV060-24	100-277Vac	24Vdc	60W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JLNLA-CV096-24	100-277Vac	24Vdc	96W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JLNLA-CV120-12	100-277Vac	12Vdc	120W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JLNLB-CV060-12	100-277Vac, Plug in	12Vdc	60W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JLNLB-CV060-24	100-277Vac, Plug in	24Vdc	60W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JLNLB-CV096-24	100-277Vac, Plug in	24Vdc	96W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.
JLNLB-CV120-12	100-277Vac, Plug in	12Vdc	120W	To be confirmed	7 years	Constant voltage LED power supply for lighting system power requirements.

PRODUCT DETAIL

JLAC-CV096-24

5-in-1 dimmable constant voltage LED driver with integrated junction box.

Key Features

- Professional lighting power and control platform
- Dimming / control: 5-in-1: TRIAC, ELV, 0-10V, 1-10V, PWM
- Category: All-in-One Drivers
- Subcategory: Junction box style

Applications

LED lighting projects, architectural lighting, commercial spaces, residential installations, cabinet and millwork lighting, OEM fixture integration, and project-specific lighting systems depending on model requirements.



Model	JLAC-CV096-24
Input voltage	100-277Vac
Output voltage	24Vdc
Output current	4A
Output power	96W(Class 2)
Efficiency	0.85
Power factor	0.95
Size	224*120*42.5mm

Related products: JLAC-CV030-12, JLAC-CV030-24, JLAC-CV060-12, JLAC-CV060-24

PRODUCT DETAIL

JLAD-CV096-1224

Integrated dimmer-driver solution with auto 12V/24V platform support.

Key Features

- Professional lighting power and control platform
- Dimming / control: Integrated dimmer-driver control
- Category: Dimmer Driver Combos
- Subcategory: LED dimmer+driver 2 in 1, PWM output, 12/24V Auto Adapt, flicker free

Applications

LED lighting projects, architectural lighting, commercial spaces, residential installations, cabinet and millwork lighting, OEM fixture integration, and project-specific lighting systems depending on model requirements.



Model	JLAD-CV096-1224
Input voltage	120-277Vac
Output voltage	12V±0.5V 24V±0.5V
Output current	12V, 0~5A 24V, 0~4A
Output power	96W (Class 2)
Efficiency	0.9
Power factor	0.95
Size	44*105*43mm (L*W*H)

Related products: JLAD-CV060-1224, JLAD-CVTW060-1224, JLAD-CVTW096-1224

PRODUCT DETAIL

JLUSA-CV060-24

Junction box dimmable driver for clean wiring and compact installation.

Key Features

- Professional lighting power and control platform
- Dimming / control: TRIAC / ELV dimming
- Category: LED Dimmable Drivers
- Subcategory: Junction Box Dimmable Driver

Applications

LED lighting projects, architectural lighting, commercial spaces, residential installations, cabinet and millwork lighting, OEM fixture integration, and project-specific lighting systems depending on model requirements.



Model	JLUSA-CV060-24
Input voltage	100-277Vac
Output voltage	24Vdc
Output current	2.5A
Output power	60W (Class 2)
Efficiency	0.85
Power factor	0.9
Size	161*46.5*35mm

Related products: JLAL-CV030-12, JLAL-CV030-24, JLAL-CV060-12, JLAL-CV060-24

PRODUCT DETAIL

JLAS-CV096-24

Ultra-slim dimmable driver for space-constrained installations.

Key Features

- Professional lighting power and control platform
- Dimming / control: TRIAC / ELV dimming
- Category: LED Dimmable Drivers
- Subcategory: Plastic case(IP20)

Applications

LED lighting projects, architectural lighting, commercial spaces, residential installations, cabinet and millwork lighting, OEM fixture integration, and project-specific lighting systems depending on model requirements.



Model	JLAS-CV096-24
Input voltage	100-277Vac
Output voltage	24Vdc
Output current	4A
Output power	96W(Class 2)
Efficiency	0.85
Power factor	0.95
Size	212*56*24mm

Related products: JLAL-CV030-12, JLAL-CV030-24, JLAL-CV060-12, JLAL-CV060-24

PRODUCT DETAIL

JLAL-CV150-24

Waterproof dimmable driver for demanding indoor or outdoor applications.

Key Features

- Professional lighting power and control platform
- Dimming / control: TRIAC / ELV dimming
- Category: LED Dimmable Drivers
- Subcategory: Aluminum case (IP67)

Applications

LED lighting projects, architectural lighting, commercial spaces, residential installations, cabinet and millwork lighting, OEM fixture integration, and project-specific lighting systems depending on model requirements.



Model	JLAL-CV150-24
Input voltage	100-277Vac
Output voltage	24Vdc
Output current	6.25A
Output power	150W
Efficiency	0.85
Power factor	0.95
Size	258*78*46mm

Related products: JLAL-CV030-12, JLAL-CV030-24, JLAL-CV060-12, JLAL-CV060-24

PRODUCT DETAIL

JYVL-CC096-2400

Programmable constant current driver for OEM and fixture applications.

Key Features

- Professional lighting power and control platform
- Dimming / control: Programmable constant current control
- Category: LED Dimmable Drivers
- Subcategory: Programmable Constant Current Drivers

Applications

LED lighting projects, architectural lighting, commercial spaces, residential installations, cabinet and millwork lighting, OEM fixture integration, and project-specific lighting systems depending on model requirements.



Model	JYVL-CC096-2400
Input voltage	120-277Vac
Output voltage	10-54Vdc
Output current	700-2400mA
Output power	96W
Efficiency	0.89
Power factor	0.95
Size	241*33*28mm

Related products: JLAL-CV030-12, JLAL-CV030-24, JLAL-CV060-12, JLAL-CV060-24

PRODUCT DETAIL

JFNA-CV200-24

Constant voltage LED power supply for lighting system power requirements.

Key Features

- Professional lighting power and control platform
- Dimming / control: To be confirmed
- Category: LED Power Supplies
- Subcategory: Constant Voltage Non-Dimmable

Applications

LED lighting projects, architectural lighting, commercial spaces, residential installations, cabinet and millwork lighting, OEM fixture integration, and project-specific lighting systems depending on model requirements.



Model	JFNA-CV200-24
Input voltage	100-277Vac
Output voltage	24Vdc
Output current	8.33A
Output power	200W
Efficiency	0.93
Power factor	0.95
Size	191*62*36mm

Related products: JQNLB-CV100-48, JQNLB-CV200-48, JQNLB-CV320-48, JFNA-CV075-24

Technical Reference Guide

How to Choose a Driver

Start by confirming whether the lighting load requires a constant voltage or constant current driver. Confirm input voltage, output voltage, load wattage, dimming method, installation environment, mechanical space, documentation requirements, and documentation needs.

5-in-1 Dimming Overview

5-in-1 dimming drivers support multiple control methods in one platform, including TRIAC, ELV, 0-10V, 1-10V, and PWM compatibility. This helps reduce SKU complexity and supports different site conditions.

Constant Voltage Driver Basics

A constant voltage LED driver supplies regulated DC voltage, commonly 12V, 24V, or 48V. These drivers are widely used for LED strip, linear, cabinet, cove, signage, and architectural lighting systems.

All-in-One Driver vs Separate Components

Integrated driver designs can reduce field wiring and simplify project coordination. Separate components may still be preferred for highly customized control architectures.

LED Strip Power Planning Basics

Calculate total load by multiplying strip wattage per foot or meter by installed length. Select adequate wattage capacity, confirm voltage compatibility, and consider voltage drop across long runs.

Contact Joyman Controls

Contact us for product selection, quotation support, and project requirements.

Joyman Controls LLC

Email: sales@joymancontrols.com

Website: www.joymancontrols.com

Address: 110 Liushijing Road, Kunshan, Shanghai Metropolitan, China



Scan for WhatsApp support.