
LEDdynamics®
LUXdrive®
2023 PRODUCT CATALOG

LUXdrive™ products, developed by LEDdynamics, Inc., offer the essential LED components needed to confidently and swiftly implement LED lighting systems. These LED light modules, LED drivers, intelligent controllers, fixtures, and light engines are proudly designed and manufactured in the United States, adhering to stringent ISO standards to ensure unparalleled quality, reliability, and efficiency. Renowned for their exceptional performance, LUXdrive™ products have earned a well-deserved reputation among lighting manufacturers for providing essential off-the-shelf solutions that seamlessly integrate the latest LED technologies. Furthermore, these standard products can be easily customized to meet specific customer specifications, adding further flexibility and convenience to the implementation process.

TRUSTED PARTNERS

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LED DRIVERS

Electrical device that regulates the power to an LED or string(s) of LEDs. What makes a driver different from conventional power supplies, is that an LED driver responds to the ever-changing needs of the LED, or circuit of LEDs, by supplying a constant amount of power to the LED, as its electrical properties change with temperature.

PRODUCT	TOPOLOGY	IN / OUTPUT	INPUT VOLTAGE	OUTPUT CURRENT	DIMMING
Quad Puck 4016	Buck	DC / DC	12 to 24 VDC	1000 to 2100 mA	PWM
QuadBlock F017	Buck	DC / DC	12 to 24 VDC	1000 to 2100 mA	PWM
PowerPuck 2008B	Buck	DC / DC	5 to 32 VDC	350 to 1000 mA	None
MiniPuck F004	Buck	DC / DC	6.5 to 30 VDC	350 to 700 mA	PWM
MicroPuck 2009	Buck	DC / DC	0.8 to 3 VDC	350 to 600 mA	None
FlexBlock A011	Buck-Boost, Boost	DC / DC	10 to 32 VDc	350 to 700 mA	0 - 10 V
DynaOhm 4006	Linear	DC / DC	(2.6V + Vf) to 52 VDC	20 to 30 mA	None
BuckToot 7027	Buck	DC / DC	5 to 28 VDc	350 mA	None
BuckPuck 302xD	Buck	DC / DC	5 to 32 VDc	350 to 1000 mA	0 - 10 V
BuckBullet 7006	Buck	AC / DC	8 to 24 VRMS	350 to 800 mA	None
BuckBlock A009	Buck	DC / DC	10 to 32 VDC	1000 to 2100 mA	0 - 10 V
BoostPuck 4015	Boost	DC / DC	5 to 28 VDc	350 mA	0 - 10 V

QUADPUCK 4016

Four Channel DMX Driver Interface

PRODUCT OVERVIEW

The 4016 QuadPuck DMX Driver Interface from LuxDrive offers the best in flexibility and compatibility for controlling LEDs. Up to (4) LuxDrive LED Power Modules* can be individually controlled using a standard USITT DMX/512/1990 controller, providing a simple, low cost solution for powering and controlling LEDs, all in one compact unit.

The QuadPuck DMX Driver Interface is available with a number of options and features, providing even greater flexibility, and is small enough to be easily incorporated in LED lighting units or placed in wall-mount boxes or remotely located units.

The 4016 QuadPuck LED Driver Interface with (4) 3021-D-E-0700 BuckPuck Drivers (drivers sold separately).

FEATURES

- On-Board selectable DMX addressing
- One to four control channel capability
- Interchangeable BuckPuck capability*
- Channel activity indicators (LED)
- USITT DMX/512/1990 Compatible
- Simple RJ45 connections for DMX & power*
- DMX transmission error indicators
- Loop-through for DMX & power
- Selectable POST tests (Power-On-Self-Test)
- Optional terminal blocks for power & outputs
- Small size (4" x 2.5" x 1")

TYPICAL APPLICATIONS

- Powering & controlling Luxeon LED arrays
- Area lighting & control systems
- Architectural lighting systems
- Theatrical & production lighting systems
- RGB fixtures & systems
- Computer control interface
- Accent lighting control
- Landscape lighting control

Specifications

Input Voltage	8-32VDC
Input Current (Power)	Up to 4.5A*
Output Current (per CH.)	140-1100 mA*
LED Count (Max.)	72 Luxeon I LEDs*
Communication	DMX512 RS-485@250kbps

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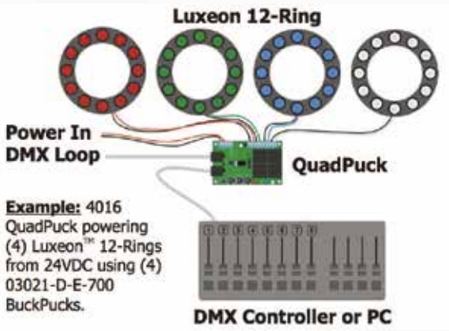


QUADBLOCK F017

Four Channel DMX Driver Interface

PRODUCT OVERVIEW

The QuadBlock is a DMX-512 interface for high current LED drivers. It is compatible with all modern DMX-512 control systems, as well as older revisions (ie USITT/ANSI/ESTA DMX512-A). The unit has four channels for attaching LED drivers supplying constant current to LED loads at 2100mA, 1400mA, or 1000mA per channel. The board is meant for use with the BuckBlock from LEDdynamics' LUXdrive line of products.

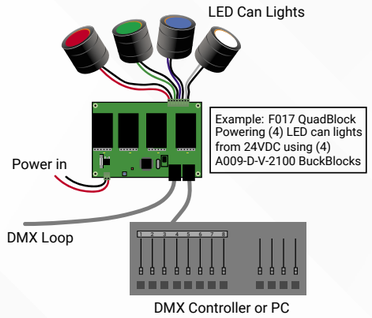
The F017 QuadBlock LED Driver Interface

FEATURES

- Simple one button DMX addressing
- One to four control channel capability
- BuckBlock capability
- Channel activity indicators (LED)
- USITT DMX-512/1990 Compatible
- Simple RJ45 connections for DMX
- Removable terminal blocks for power & outputs
- Small size (4.23" x 5.65" x .5")
- "IncanSim" dimmer adjustment

TYPICAL APPLICATIONS

- Powering & controlling Luxeon LED arrays
- Area lighting & control systems
- Architectural lighting systems
- Theatrical & production lighting systems
- RGBW fixtures & systems
- Computer control interface
- Accent lighting control
- Landscape lighting control



Specifications

Input Voltage	12-24VDC
Input Current (Power)	8A Max
Max Output Current (per CH.)	2100 mA
LED Count (Max.)	72 Luxeon I LEDs *
Communication	DMX-512 RS-485@250kbps

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POWERPUCK 2008B

DC/DC Buck Driver

PRODUCT OVERVIEW

The 2008B PowerPuck™ series of LED drivers are a line of true current regulated power supplies for LEDs. Simple and versatile, the 2008B PowerPuck offers a cost effective solution for driving High-Power LEDs for many applications.

The line of 2008B PowerPuck drivers exhibit very high efficiency and require no external current-limiting resistors or additional heat sinking. The 2008B PowerPuck accepts a wide input voltage range and can power up to (6) High-Power LEDs in series (up to 18 total).

A wide range of current outputs are available. Standard unit sare fully potted in an extremely small form factor, measuring only 1.5" diameter by 0.5" tall and the 2008B PowerPuck includes an aluminum mounting bracket. Other custom sizes can be created to meet customer's needs. Visit www.LUXdrive.com or contact LUXdrive support for more information. [The unit is supplied with 24 AWG 6" colored leads for easy connection to the LED(s).]

FEATURES

- Low Voltage DC input power up to 32V
- Extremely small form factor measuring just 1.5" dia x 0.5" tall
- Supplied with 24 AWG 6" colored leads for simple connection
- Optional mounting bracket
- 350mA, 700mA, or 1.0A constant current output
- Output short circuit protection up to 15 seconds
- Output open circuit protection

TYPICAL APPLICATIONS

- Solar & Landscape Lighting
- Architectural Lighting
- Track Lighting
- Automotive & Marine Lighting
- Portable Lighting & Flashlights
- Point of Purchase Lighting
- Desk & Reading Lamps
- Signal & marker Lighting
- Cabinet & Display Case Lighting
- Sign & Channel Letters
- Much More...

Typical Application

PowerPuck 2008B-700 driving (4) Cree™ or Luxeon™ LEDs from 12VDC.

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MINIPUCK F004

DC/DC Buck Driver

PRODUCT OVERVIEW

The MiniPuck is a highly efficient step down converter designed for driving high-powered LEDs. With a form factor of measuring less than one cubic inch, it is ideal for many applications where size and efficiency is es-sential. The MiniPuck is available in three variants of drive currents (350mA, 500mA and 700mA) and can be PWM dimmed down to five percent.

FEATURES

- Made in America design and quality
- DC input power up to 30V
- 350, 500 and 700mA constant current output
- Accepts 1 to 30Vp PWM signals for dimming
- Customization of specifications available
- Small mechanical envelope
- Output open circuit and short circuit protection
- Over temperature protection

Specifications

Type	Product	F004-D-P-350	F004-D-P-500	F004-D-P-700
General	Topology:		Buck	
	Input / Output:		DC / DC	
Input	Voltage Range:		6.5 to 30 V	
	Input Margin:		2.5 V	
	Efficiency:		97%	
Output	Drive Current:	350 mA	500 mA	700 mA
	Current Accuracy:		± 10%	
	Trim Range:		None	
Control	Dimming:		Yes	
	Type:		PWM	
	Input:		1 to 30 V	
	Impedance:		47 kΩ Typical	
	Frequency:		100 to 2000 Hz	
	Quiescent Current:		100 µA Typical	
Protection	Short Circuit:		Yes	
	Open Circuit:		Yes	
	Over Temp:		Yes	
Environment	Operating Case $Temp_{Max:}$		-40 to 80o C	
	Storage Temp:		-40 to 125o C	
Mechanical	Connection:		5 Pin	
	Dimension:		0.79 x 0.66 x 0.43 in	
	Weight:		0.24 oz	
Regulatory	Compliance:		RoHS, UL	
	EMI Filter:		Option Available	
	Warranty:		2 Year	

* All specifications are subject to change without prior notification.

MICROPUCK 2009

DC/DC Buck | Boost | Buck-Boost Driver

PRODUCT OVERVIEW

The 2009 MicroPuck is a versatile, compact solution for powering (1) High-Power LED, or strings of 5mm (T 1-3/4) LEDs, efficiently and with stability. This driver provides maximum illumination to the LED while still mimicking the light drop-off of an incandescent bulb, which dims as the batteries are used up. Unlike an incandescent bulb, the driver's current consumption drops at very low voltages, allowing usable light to be produced by the LED much longer than conventional flashlights. Battery recovery (after the flashlight has been turned off) is also improved.

The standard offering is a 0.45"L X 0.3"W X 0.26"H encapsuled MicroPuck. Although, custom sizes can be created to meet customers' requirements. Contact LUXdrivefor more information. The MicroPuck is supplied with 24 AWG 6" colored leads.

FEATURES

- **Low Cost:** The MicroPuck is a compact, low cost solution for providing current to LEDs with forward voltages in excess of supply voltages.
- **Safety & Reliability:** The MicroPuck is encapsulated by an insulating epoxy and is resistant to harsh environments and moisture.
- **Battery Tracking:** The output of the MicroPuck is relatively constant until the batteries have been drained to low power mode which provides some light for many more hours.
- **Small Size:** The MicroPuck is ideal for applications where size matters. Small size = more applications!

TYPICAL APPLICATIONS

- Drop-in Replacement Bulbs
- Pen Lights
- Solar Lighting
- Road Markers
- Portable Lighting & Flashlights
- Head-Lamps / Camp Light
- Desk & Reading Lamps
- Flashing & Strobe Lighting
- Cabinet & Display Case Lighting

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FLEXBLOCK A011

DC/DC Buck – Boost Driver

PRODUCT OVERVIEW

The A011 FlexBlock™ High Output Wide Range LED Power Modules are a line of true current regulated drivers for powering LEDs. The LUXdrive FlexBlock™ line of LED drivers are the ideal choice for powering all types of high-brightness and high-power LED packages and arrays.

FlexBlock™ LED drivers provide high efficiency and require no external current limiting resistors. A fast response current-sensing circuit makes the FlexBlock™ ideal for applications where flashing or strobe operation of the LED(s) is required. As a Buck-Boost driver, the FlexBlock™ can handle LED loads that are above, below, or the same voltage as the power supply.

A dimming input, compatible with many commercially available 0-10V low voltage dimming ™controls, for example , the LUXdrive A019 provides a convenient method to control the brightness of the LEDs. The standard units are potted in an extremely small, low profile package1 and come with 6” 18AWG colored leads.

FEATURES

- DC input voltage up to 32V
- 350mA, 500mA, or 700mA constant current output[1]
- Extremely small form factor1 (2.0”x1.2”x0.38”)
- 18 AWG wires for easy electrical connections
- External analog/digital intensity control
- External potentiometer intensity control (0%, 5-100%)
- Continuous output short circuit protection2
- Continuous output open circuit protection
- Input reverse polarity protection with Polarifet™ Technology
- Pulse and strobe capable (dim input)
- 0-10V Dimming compatible with many available controls

TYPICAL APPLICATIONS

- Solar & Landscape Lighting
- Architectural Lighting
- Track Lighting
- Automotive & Marine Lighting
- Portable Lighting & Flashlights
- Point of Purchase Lighting
- Desk & Reading Lamps
- Signal & Marker Lighting
- Flashing & Strobe Lighting
- Cabinet & Display Case Lighting
- Sign & Channel Letters
- Much More...

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1 - Custom units can be designed for OEM applications. Contact LUXdrive for more information.
2 - When wired in the default Buck-Boost configuration.

DYNAOHM 4006

DC/DC Linear Driver

PRODUCT OVERVIEW

The 4006 DynaOhm™ by LUXdrive is a semiconductor based resistor that provides constant current to LEDs and strings of LEDs. It also reduces current to the LED(s) when the device temperature rises. It is the perfect replacement for a xed reisistor in circuits where the input voltage varies. The simple two wire DynaOhm™ eliminates complicated math from low power LED circuits. The DynaOhm™ can drop up to 24V (25mA model) allowing for use with 24VDC automotive systems and one LED.

The 4006 DynaOhm™

FEATURES

- 20mA, 25mA, or 30mA, constant current output*
- Extremely small form factor* (0.25” diameter x 0.5” long)
- Output open circuit protection
- Pulse and strobe capable

TYPICAL APPLICATIONS

- Solar & Landscape Lighting
- Architectural Lighting
- Track Lighting
- Automotive & Marine Lighting
- Portable Lighting & Flashlights
- Point of Purchase Lighting
- Desk & Reading Lamps
- Signal & marker Lighting
- Flashing & Strobe Lighting
- Cabinet & Display Case Lighting
- Sign Lighting
- Flashlights

Part Number Identication Table

Part Number	Maximum Voltage Drop	Drive Current	Connection Type
4006-020	30V	20mA	2 Wires
4006-025	24V	25mA	2 Wires
4006-030	20V	30mA	2 Wires

*Output current rating in milliamperes (mA): 20, 25, 30 or special order factory custom rating

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BUCKTOOT 7027

DC/DC Buck Driver

PRODUCT OVERVIEW

The 7027 BuckTootTM LED Power Module is a true constant-current regulated driver for LEDs. Unlike standard power supplies, which deliver a fixed voltage to the output, the BuckTootTM LED driver is designed to reliably vary the output voltage as required to deliver a stable constant current to the LED(s). The BuckTootTM exhibits very high efficiency and does not require external current limiting resistors or additional heat sinking.

The 7027 BuckToot™

The extremely small form-factor of the 7027 BuckToot™ makes it the ideal choice for many MR-11 and MR-16 integration applications since it can easily be incorporated into the housing assembly. Fully potted and sealed from harsh environments, the BuckTootTM measures only 10mm diameter x 19mm long and is supplied with 150mm 24AWG colored leads. Custom sizes can be created to meet customer requirements. Contact LUXdrive for more information.

FEATURES

- DC input voltage up to 28VDC surge protected
- 350mA constant current output
- Extremely small form factor1 (10mm diameter x 19mm length)
- Continuous output short circuit protection
- Continuous output open circuit protection

TYPICAL APPLICATIONS

- Solar & Landscape Lighting
- Architectural Lighting
- Track Lighting
- Automotive & Marine Lighting
- Portable Lighting & Flashlights
- Point of Purchase Lighting
- Desk & Reading Lamps
- Signal & marker Lighting
- Cabinet & Display Case Lighting
- Sign & Channel Letters
- Much More...

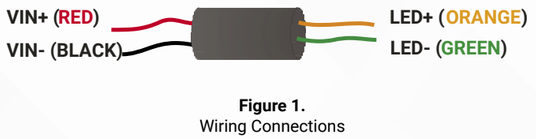

Figure 1.
Wiring Connections

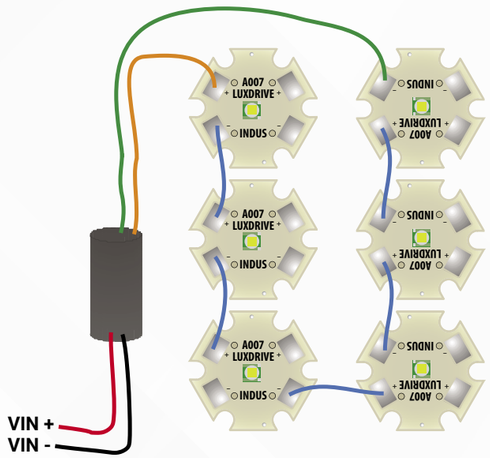

Figure 2.
BuckTootTM powering (6) Indus Stars in series
(VIN =24VDC)

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BUCKPUCK 302XD

DC/DC Buck Driver

PRODUCT OVERVIEW

The 3021 and 3023 BuckPuck LED Power Modules are a line of true current regulated drivers for powering LEDs. The BuckPuck line of LED drivers is the ideal choice for powering all types of high-brightness and high-power LED Packages and LED arrays.

The line of BuckPuck LED drivers exhibit high efficiency and require no external current limiting resistors or additional heat sinking for operation. A fast response current-sensing circuit makes the 3021 and 3023 ideal for applications where flashing or strobe operation of the LED(s) is required.

A wide range of options are available including external dc analog voltage intensity control, TTL/CMOS logic level on/off control ("E" Version), and set-and-forget internal current limiting ("I" Version). The standard units are fully potted in an extremely small form factor* and are provided with a simple 7 pin SIP connection for through-hole PCB mounting (3021) or 6" 24AWG Colored Leads (3023).

The 3021 and 3023's built-in regulated 5V reference (E and I versions) can provide output to power logic circuitry or microprocessor, eliminating the need for an additional power supply on the circuit board.

FEATURES

- DC or AC input voltage up to 32V ($24VAC_{RMS}$)
- 350mA, 500mA, 700mA, or 1.0A constant current output*
- Extremely small form factor* (0.83"x0.83"x0.43")
- The 3021 has a simple 7-pin SIP connection for through-hole PCB mounting or use with an optional wiring harness (3021Hx)
- The 3023 has permanently attached wires
- External analog/digital intensity control (TTL compatible)
- Optional external potentiometer intensity control (0-100%)
- Optional on-board trim adjustment (40-110%)
- Output short circuit protection up to 15 seconds
- Output open circuit protection
- Pulse and strobe capable (control input)
- Built-in 5V reference/output to power logic circuitry or µProcessor

TYPICAL APPLICATIONS

- Solar & Landscape Lighting
- Architectural Lighting
- Track Lighting
- Automotive & Marine Lighting
- Portable Lighting & Flashlights
- Point of Purchase Lighting
- Desk & Reading Lamps
- Signal & marker Lighting
- Flashing & Strobe Lighting
- Cabinet & Display Case Lighting
- Sign & Channel Letters
- Much More...

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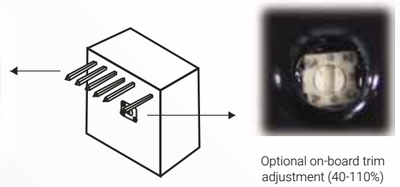
7-Pin SIP through-hole PCB mounting



Optional on-board trim adjustment (40-110%)

3021 BuckPuck with optional wiring harness (3021HEP)

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* - Custom units can be designed for OEM applications. Contact LUXdrive for more information.

BUCKBULLET 7006

AC/DC Buck Driver

PRODUCT OVERVIEW

The 7006 BuckBullet™ AC Driver is a constant current device that allows operation of LEDs from low-voltage AC power (8-24VAC). Its moisture-resistant design allows for outdoor use with landscape lighting systems. High-speed electronics allow it to be used with either magnetic transformers or 12VAC electronic transformers commonly found in accent lighting systems.

FEATURES

- AC input voltage up to 24VAC RMS
- True constant current output 350mA, S00mA or 700mA*
- Extremely small form factor* (0.S"d x 2"1)
- Output open and short circuit protection
- Not affected by voltage drops on long wire runs

Figure 1.
Wiring Connections

TYPICAL APPLICATIONS

- Landscape & Garden Lighting
- General Illumination Lighting
- Sign Lighting
- Signal & Marker Lighting
- Architectural Lighting

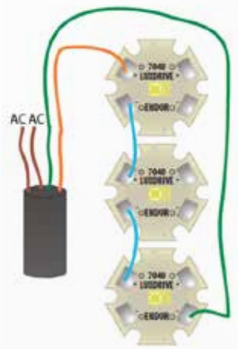

Figure 2.
BuckBullet™ powering (3) Endor Stars in series
(V_{IN} ≥ 12VAC)

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BUCKBLOCK A009

DC/DC Buck Driver

PRODUCT OVERVIEW

The A009 BuckBlock™ High Output Wide Range LED Power Modules are a line of true current regulated drivers for powering LEDs. The LUXdrive BuckBlock™ line of LED drivers are the ideal choice for powering all types of highbrightness and high-power LED Packages and arrays.

BuckBlock™ LED drivers provide high efficiency and require no external current limiting resistors. A fast response current-sensing circuit makes the BuckBlock™ ideal for applications where flashing or strobe operation of the LED(s) is required.

A dimming input, compatible with many commercially available 0-10V low voltage dimming controls, provides a convenient method to control the brightness of the LEDs. The standard units are potted in an extremely small, low profile package* and come with 6" 18AWG colored leads.

FEATURES

- DC input voltage up to 32V
- 1.0A, 1.4A, or 2.1A constant current output*
- Extremely small form factor* (2.0"x1.2"x0.38")
- 18 AWG wires for easy electrical connections
- External analog/digital intensity control
- External potentiometer intensity control (0-100%)
- Continuous output short circuit protection
- Continuous output open circuit protection
- Input reverse polarity protection with Polarifet™ Technology
- Pulse and strobe capable (dim input)
- 0-10V Dimming compatible with many available controls

TYPICAL APPLICATIONS

- Solar & Landscape Lighting
- Architectural Lighting
- Track Lighting
- Automotive & Marine Lighting
- Portable Lighting & Flashlights
- Point of Purchase Lighting
- Desk & Reading Lamps
- Signal & marker Lighting
- Flashing & Strobe Lighting
- Cabinet & Display Case Lighting
- Sign & Channel Letters

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* - Custom units can be designed for OEM applications. Contact LUXdrive for more information.

BOOSTPUCK 4015

DC/DC Buck Driver

PRODUCT OVERVIEW

The 4015 “BoostPuck” line of LED POwer Modules are true constant-current regulated drivers for LEDs. Unlike standard power supplies, which deliver a fixed voltage to the output, the BoostPuck LED driver is designed to vary the output voltage as required to deliver a constant current to the LED(s), reliably and with stability.

The 4015 BoostPuck driver exhibits very high efficiency and requires no external current limiting resistors or additional heat sinking. A fast response current-sensing circuit makes the 4015 ideal for applications where flashing or strobe operation of the LED(s) is desired.

4015 BoostPuck LED Driver Module powering (9) LEDs in series at 350mA (VN=12V).

A wide range of options are available including external DCanalog voltage intensity control, TTL/CMOS logic level on/offcontrol, and set-and-forget internal current limiting.the standard units are fully potted in an extremely small form factor* and are provided with a simple seven pin SIP connectionfor through-hole PCB mounting or use with the optional wiring harness.

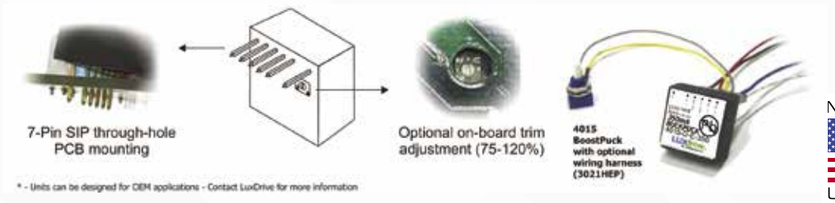
The 4015’s built-in regulated 5V reference can provide output to power logical circuitry or microprocessor, eliminating the need for an additional power supply on the circuit board.

FEATURES

- DC input power up to 28V
- 350mA constant current output
- Extremely small form factor* (0.83”x0.83”.0.43”)
- Simple seven-pin SIP connection for through-hole PCB
- mounting or use with optional wiring harness
- External analog/digital intensit control (TTL compatible)
- Optional external potentiometer intensity control (0-100)
- Optional on-board trim adjustment (75-120%)
- Output open circuit protection
- Pulse and strobe capable (control input)
- Built-in 5V reference/output to power logic circuitry or micro-controller

TYPICAL APPLICATIONS

- Solar and Landscape Lighting
- Architectural Lighting
- Track Lighting
- Automotive and Marine Lighting
- Portable Lighting & Flashlights
- Point of Purchase Lighting
- Desk & Reading Lamps
- Signal & Marker Lighting
- Flashing & Strobe Lighting
- Cabinet and Display Case Lighting
- Sign and Channel Letters



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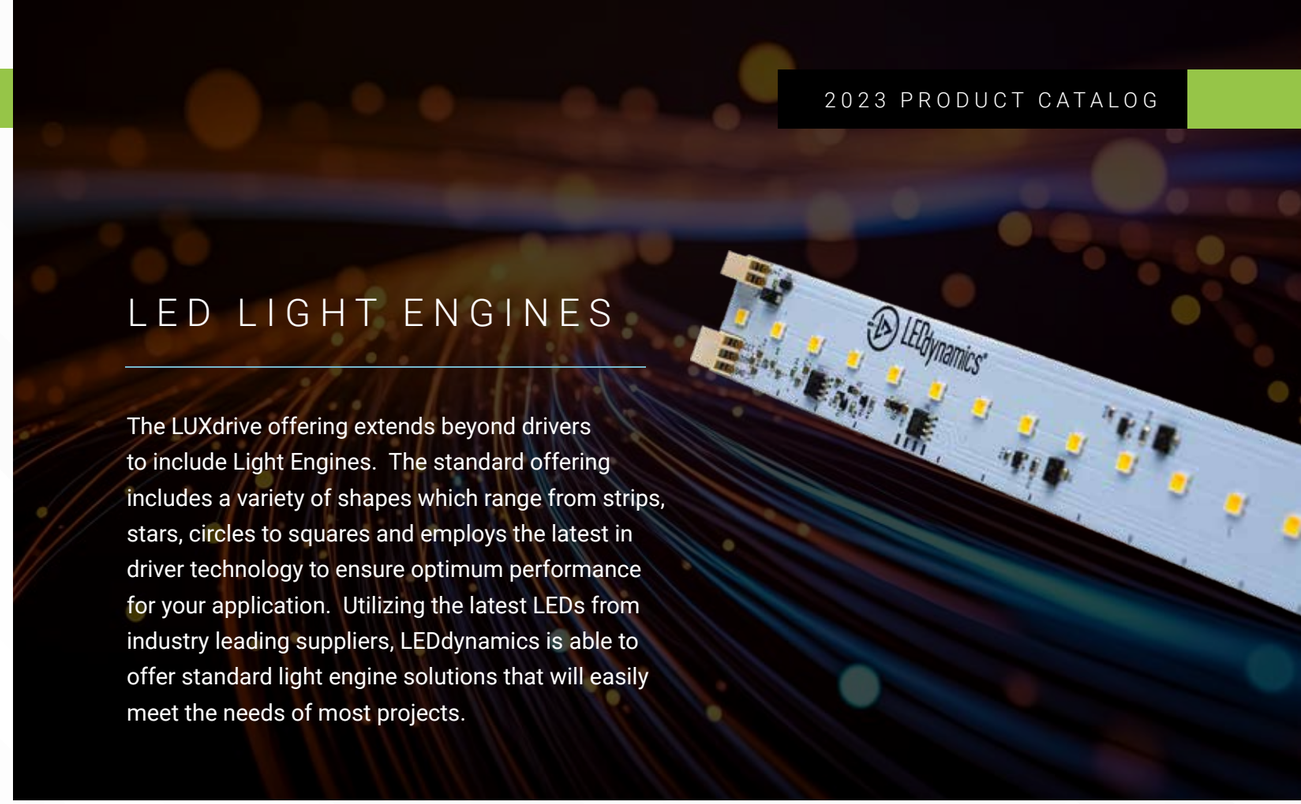


LED LIGHT ENGINES

The LUXdrive offering extends beyond drivers to include Light Engines. The standard offering includes a variety of shapes which range from strips, stars, circles to squares and employs the latest in driver technology to ensure optimum performance for your application. Utilizing the latest LEDs from industry leading suppliers, LEDdynamics is able to offer standard light engine solutions that will easily meet the needs of most projects.

When the requirements exceed the capabilities of our standard offering, LEDdynamics can develop a custom light engine solution to meet your exact needs. Whether it be standard or custom, LEDdynamics will deliver a solution to meet and exceed your expectations.

PRODUCT	LED TYPE	SHAPE	LED COUNT	LUMENS	FIELD CUT	CUT INTERVAL
Draco L013	Nichia 757	Rectangle- 3x2.5 in	30	up to 1125	No	None
DuoStrip 1033	Nichia 757	Strip - 12 in	48	up to 880	Yes	3 In
DynamicWhiteStrip K021	Nichia 757	Strip - 12 in	48	up to 880	Yes	3 In
DynaSqr G025	Nichia 757	Square 1 in	3	up to 136	No	None
LUXStrip II A006	Cree XP-E & XP-G	Strip - 12 in	6	up to 1270	Yes	2 In

DRACO L013

Light Engine

PRODUCT OVERVIEW

The L013 Draco is a low voltage, 12Vdc, high brightness light engine with 30 LEDs delivering over 1,000 lumens. Available in a wide range of color temperatures, 2700K to 6500K, red, green, blue, yellow, and 3000K or 5000K for hortculture applicatons. A compact, 2.4in x 2.9in, form factor allows ease of integraton into fixtures and OEM applica□ons where a large quantity of light is required but space is limited.

FEATURES

- Designed and manufactured in America
- On board driver electronics with a DC input up to 13.2VDC
- Integrated reverse polarity protecton
- Customiza□on of specificatons available

Product		L013-N7H1xxx60								
General	Shape	Rectangle								
	LED Count	30								
	Field Cut	No								
	CCT	2700K	3000K	3500K	4000K	5000K	6500K	Red	Green	Blue	Yellow
	Typical Lumen Output	1050lm	1050lm	1050lm	1050lm	1125lm	1125lm	475lm	975lm	260lm	260lm
	CRI	80min & 90min								
	Beam Angle	120°								
Electrical	Input Voltage	$10.8V_{DC}$ min			$12V_{DC}$ typ			$13.2V_{DC}$ max		
	Power Consumption	6.4 W typ								
	Typical Efficacy	164 lm/W	175 lm/W	74 lm/W	152 lm/W	40 lm/W				
Control	Dimming	Non-Dimming								
Environment	Operating Temp	-20 to 80° C								
	Storage Temp	-40 to 125° C								
Mechanical	Connection	Poke-Home 18-24 AWG, Max conductor dia 1.2mm								
	Mounting	4 Mounting holes or Double Sided Adhesive								
	Dimension	2.9 x 2.4 x 0.2 in (73.66 x 60.96 x 5.1 mm)								
	Weight	0.64oz (18g)								
Regulatory	Compliance	RoHS								
	Warranty	1 Year								

* All specificatons subject to change without prior notification.

DUOSTRIP I033

Light Engine

PRODUCT OVERVIEW

The DuoStrip is a 12-24VDC high brightness light engine strip with 48 LEDs per foot and delivering over 1,100 lumens. Capable of being cut every three inches, the individual segments can each be energized and function as standalone light engines, minimizing waste and maximizing versatility. With the ability to daisy-chain boards up to 20 feet in total length, the DuoStrip can adapt to serve a wide variety of needs and applications.

FEATURES

- Made in America design and quality
- 12 or 24VDC input power options
- Customization of specifications available
- Field cut capable every 3 inches
- Cut segments function as standalone light engines
- Daisy-chain capable up to 11 foot lengths
- Rigid strip does not require heatsinking
- Integrated reverse polarity protection

Product		L045-N7XXXX40	I033-N7XXXX40
General	Shape	Rectangle	
	LED Count	48	
	Field Cut	Standalone light engines down to 3-inch sections	
	Daisy Chain Limit	Up to 11 feet	
	Lumens[1]	1076 to 1146 lm	
	Beam Angle	120°	
	Optics	None	
	CCT	2700K - 6500K plus Horticulture specific options	
	CRI	80-90	
	Colors	Blue, Green, Red, Yellow	
Electrical	Typical Input Voltage	$12V_{DC}$ typ	$24V_{DC}$
	Mininum | Maximum Voltage	$11V_{DC}$ | $13V_{DC}$	$20V_{DC}$ | $30V_{DC}$
	Wattage	8 W/ft	
	Efficacy[2]	149 lm/W	
Control	Dimming	Yes	
	Type	PWM (Pulse Width Modulation)	
Environment	Operating Temp	-40 to 80° C	
	Storage Temp	-40 to 125° C	
Mechanical	Connection	4 solder pads per 3” section	
	Mounting Holes	8	
	Dimension	12.0 x 0.95 x 0.13 in (304.8 x 24.1 x 2.6 mm)	
	Weight	0.29 oz (8.3g)	
Regulatory	Compliance	RoHS	
	Warranty	1 Year	

1,2 Calculated using white, non horticulture, LEDs.
* All specifications subject to change without prior notification.

DYNAMICWHITESTRIP K021

Tunable White Light Engine

PRODUCT OVERVIEW

The Dynamic White Strip K021 is a 24VDC tunable white light engine with 24 LEDs per foot, and delivers over 690 lumens. Designed with two 0 - 10V inputs, color temperature can be adjusted from 2700K to 6500K, and brightness reduced down to 1%. The K021 can be easily daisy-chained with the integrated poke to home connectors to form light engines up to 20 feet in length. The flexibility of the DynamicWhiteStrip adapts to serve a wide variety of needs and applications where the versatility of tunable white light is required.

FEATURES

- Designed and manufactured in America
- DC input power up to 28VDC
- Customization of color temperature
- Dimmable down to 1%
- Daisy-chain capable up to twenty foot lengths
- Integrated reverse polarity protection

Product		K021-382765F60		
General	Shape	Rectangle		
	LED Count	24		
	Field Cut	No		
	Daisy Chain Limit	Up to 20 Feet		
	Lumens	690 to 700		
	Beam Angle	120°		
	Optics	None		
	CCT	2700K to 6500K		
	CRI	80 min		
Electrical	Input Voltage	$19V_{DC}$ min	$24V_{DC}$ typ	$28V_{DC}$ max
	Wattage	4.6 W typ	5.8 W typ	6.7 W typ
	Power Consumption	4.6 W/ft	5.8 W/ft	6.7 W/ft
	Efficacy	150 lm/W	120 lm/W	105 lm/W
Control	Dimming	Down to 1%		
	Color	$0\text{-}10V_{DC}$		
	Brightness	$0\text{-}10V_{DC}$		
Environment	Operating Temp	-20 to 80° C		
	Storage Temp	-40 to 125° C		
Mechanical	Connection	Poke-Home 18-24 AWG, Max conductor dia 1.2mm		
	Mounting	Double Sided Adhesive		
	Dimension	12.0 x 0.95 x 0.26 in (304.8 x 24.13 x 6.6 mm)		
	Weight	0.90oz (28g)		
Regulatory	Compliance	RoHS		
	Warranty	1 Year		

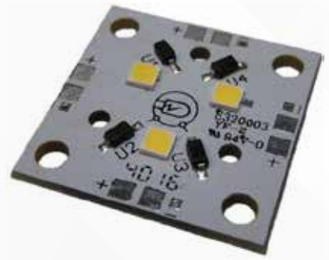
* All specifications subject to change without prior notification.

DYNASQR G025

Light Engine

PRODUCT OVERVIEW

The DynaSquare G025 is a 12VDC, constant voltage LED light engine with an integrated onboard driver. The one square inch PCB is populated with Nichia 757 LEDs and can deliver up to 260 lumens. With four sets of available solder pads, multiple DynaSquares can be connected, mosaic style, to form a custom light engine array. Boasting PWM dimming plus a variety of attachable optics and it is clear to see that the DynaSquare offers illumination and versatility to meet countless applications and needs.



FEATURES

- Made in America design and quality
- DC input power up to 15 VDC
- Three LEDs and four sets of power pads
- Four standard mounting holes
- Multiple beam sculpting optics available
- Daisy-chain capable up to twenty units per run
- Customization of specifications available

Product					
General	Shape	Square			
	LED Count	3			
	Field Cut	No			
	Daisy Chain Limit	Up to 20 units			
	Lumens[1]	249 to 265lm			
	Beam Angle	120°			
	Optics	16°	22°	26°	37° 43x16°
	CCT	2700K to 6500K & Horticulture			
	CRI	80min & 90min			
	Colors	Blue, Green, Red, Yellow			
Electrical	Input Voltage	$11V_{DC}$ min	$12V_{DC}$ typ	$15V_{DC}$ max	
	Wattage	1.44 W typ			
	Power Consumption	17.3 W/ft			
	Efficacy[2]	180 lm/W			
Control	Dimming	Yes			
	Type	PWM			
Environment	Operating Temp	-40 to 100° C			
	Storage Temp	-40 to 125° C			
Mechanical	Connection	8 Solder Pads			
	Mounting Holes	4			
	Dimension	1.0 x 1.0 x 0.12 in (25.4 x 25.4 x 3.1 mm)			
	Weight	0.08 oz (2.1 g)			
Regulatory	Compliance	RoHS			
	Warranty	1 Year			

1,2 Calculated using white, non horticulture, LEDs.
* All specifications subject to change without prior notification.

LUXSTRIP II A006

Light Engine

PRODUCT OVERVIEW

The LuxStrip II A006 is a powerful compact light engine built on a Printed Circuit Board (PCB) and thermally engineered to accommodate high brightness LEDs. Utilizing “driver on board” technology allows the entire unit to easily be integrated into fixtures where space is at a premium. The LuxStrip II is a perfect solution for applications such as general lighting, fluorescent replacement, sign, channel letters, and architectural lighting. As a standard offering at 12”, the LuxStrip II comes with up to six CREE® XP-E or XP-G* devices. Strips can be cut to specific lengths, as short as 4”. The strips are designed to interconnect to allow for varying lengths, and can be deployed in lengths up to 12 feet. Optics are available for directional lighting. Standard optical options are 5º, 8º, and 20º. Other options may be added to suit custom applications.

Unlike traditional PCBs, the driver for the LuxStrip II is conveniently contained on board, allowing power supplies which deliver a fixed voltage to be used. An industry standard 24VDC power supply is ideal for use with LuxStrip II. This is due to the use of a LUXdrive series power module, which allows for a fixed voltage input while maintaining a true, constant-current regulated output for the LEDs. Power and dimming control voltage is connected via a low profile board-to-board connector at the end of the strip, and utilizes a unique polarized connection for goof proof assembly. Several strips can be stacked/attached together upto 12 feet typical. “Stub” sections can be shortened at 2” increments to fit any length requirement.

* - Units can be customized for other LEDs or redesigned for OEM applications - Contact LUXdrive for more information

FEATURES

- Designed to operate on 24VDC
- On board driver provides constant current
- 12” x .95”, cuttable every 2”, min length 4”
- Fits the Dialight 22mm optics (OPXP-1-xxxx)
- Easily joined for up to 12 feet length
- 0 to 100% dimming w/signal pass-through
- Works with 0-10V Dimmers, Lutron Nova T®
- Polarized connections - No Goofs
- Compatible with CREE® XP-E, and XP-G
- Series configuration eliminates current hogging

TYPICAL APPLICATIONS

- Line lighting and wall wash
- Automotive, RV & Marine Lighting
- Tight space and cove lighting
- Point of Purchase Lighting
- Desk & Reading Lamps
- Fluorescent replacement fixtures
- Cabinet & Display Case Lighting
- Sign & Channel Letters

Figure 1
(6) CREE XP-G LEDs in series
(V = 24VDC) and end-feeding another strip

MADE IN U. S. A.

Pb RoHS Compliant 2002/95/EC

LED LIGHT MODULES

The LUXdrive offering extends beyond low voltage drivers and light engines to include Light Modules. In some applications, an on-board driver is not required and for those instances, LEDdynamics offers an array of Light Modules in varying shapes, sizes and LED count. Utilizing the latest LEDs from industry leading suppliers, LEDdynamics offers standard light modules that will meet the needs of most any project.

When requirements exceed the capabilities of our standard offering, LEDdynamics can develop a custom light module to meet your exact needs. As always, whether it be standard or custom, LEDdynamics will strive to deliver a solution that meets and exceeds your expectations.

PRODUCT	LED TYPE	SHAPE	LED COUNT	LUMENS
Saiph Star J035 & J036	Luxeon C	Star (20mm)	1 or 3	94-357
C7 L011	Luxeon C	Circular (40mm)	7	833
Endor Star 7007 & 7040	Luxeon Rebel	Star (20mm)	1 or 3	65 to 540
Indus Star A007 & A008	Cree XP-L2, XP-G3, XP-G2 HE & XP-E2	Star (20mm)	1 or 3	105 to 760
Antares				
Pixus Star B009	Cree XM-L2	Star (20mm)	1	331 to 441
Centaurus J006	Cree XP-E2 & XP-G3	Circular (33mm)	1	87 to 156
UV-C K017, A007 & A008	Nichia & Seoul - UV-C	Star (20mm)	1 or 3	Up to 70mW

SAIPH STAR J035 & J036

Luxeon C LED Light Module

PRODUCT DESCRIPTION

The Saiph Star combines high brightness with ease of integration into fixtures and OEM applications. The LUXdrive™ Saiph Star features the Luxeon C emitter in both 1-up and 3-up designs on a 20mm star. Inherent electrical isolation means thermal interface materials are not required to be electrically insulative. LEDdynamics strives to use the highest flux bins that are most readily available, please contact us if you require a specific bin.

Superior Performance
Stay current with the highest intensity LEDs

Full Color
Multiple CCT and color options for your application

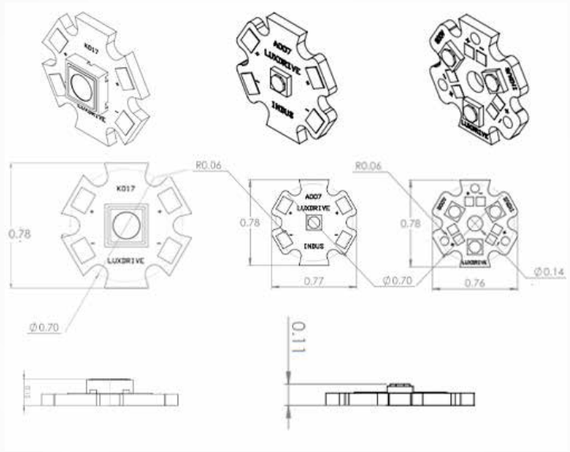
Design Faster
Standard 20mm starboards to shorten development time

Quick Connections
Simple, clearly marked electrical connections

ACCESSORIES FOR HIGH POWER UV-C LED STARS

LED Drivers
LUXdrive™ offers a line of drivers designed for use with high-power LED modules. The choice of driver will depend on number of LEDs to be driven, the input voltage source, and the desired forward drive current. See the full line of Luxdrive drivers.

Heat Sinking & Mounting
LEDdynamics LED stars have six mounting points for #4 screws. The LED stars should be attached to additional heat sinking for proper thermal management. A specialty heatsink or metal plate (copper or aluminum) should be used with a thermal interface material.



LUXDrive Thermal Adhesives	Star #	Compatibility
A001-010H Hexatherm thermal adhesive	10	20mm Stars
A001-100H Hexatherm thermal adhesive	100	

ATTENTION
OBSERVE PRECAUTIONS FOR HANDLING
ELECTROSTATIC SENSITIVE DEVICES

RoHS CE lead-free

C7 L011

7-UP Luxeon C LED Light Module

PRODUCT DESCRIPTION

The L011 LUXdrive C-7 is a compact high lumen output light module. The circular MCPCB employs seven high power Luxeon C LEDs for a large punch in a small space. The board sits at just 1.58” diameter but can output up to 850 Lumens! The C-7 board is highly configurable, if you need a different combination of colors, please contact LEDdynamics. The board is designed to work with Khatod’s Zeta optic line.

Superior Performance
Seven Luxeon C LEDs power over 100 Lumens per Watt

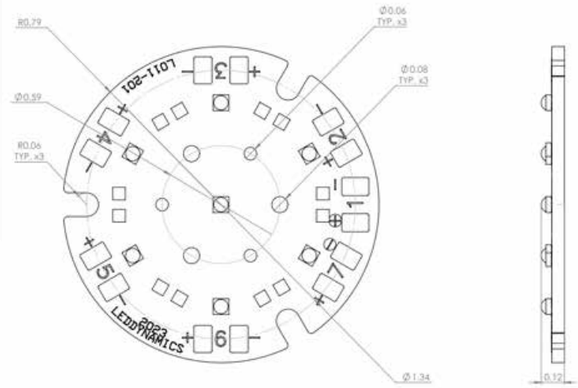
Full Color
Multiple CCT and color options for your application

Low Profile
1.58” Diameter MCPCB sits @ .118” tall or .532” with an optic

Quick Connections
Simple, clearly marked electrical connections

MECHANICAL SPECS

Specifcation	Imperial	Metric
Diameter	1.57”	40mm
Height (no optic)	0.118”	3mm
Height (with optic)	0.532”	13.52mm
Weight	0.075 oz	5.3g



ATTENTION
OBSERVE PRECAUTIONS FOR HANDLING
ELECTROSTATIC SENSITIVE DEVICES

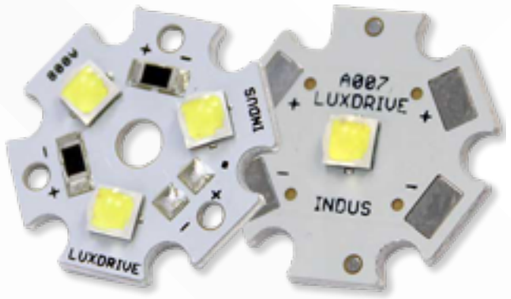
RoHS CE lead-free

INDUS STAR A007 & A008

Cree LED Light Module

PRODUCT DESCRIPTION

The Indus Star™ combines high brightness Cree LEDs with ease of integration into fixtures and OEM applications. The LUXdrive™ Indus Star features industry leading Cree emitters in both 1-up and 3-up designs on a 20mm star. The Cree XP-G3 and XP-L2 are fantastic for white colors, offered in 2700-6500K CCT ranges. The Cree XP-E2 line is still the best emitter for delivering a full color range. Inherent electrical isolation means thermal interface materials are not required to be electrically insulative. LEDdynamics strives to use the highest flux bins that are most readily available, please contact us if you require a specific bin.



Superior Performance
Stay current with the highest intensity LEDs

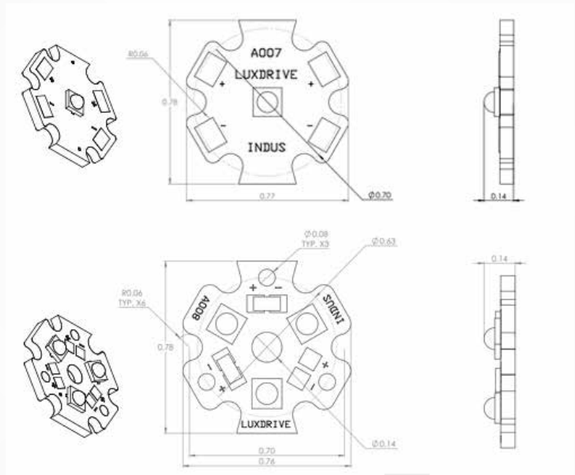
Full Color
Multiple CCT and color options for your application

Design Faster
Standard 20mm starboards to shorten development time

Quick Connections
Simple, clearly marked electrical connections

MCPCB FABRICATION

- LEDdynamics standard 20mm Aluminum, Metal Core Printed Circuit Board
- Pb free reflow solder connections
- Electrically isolated heat sinking surface
- White solder mask
- ROHS Compliant



ATTENTION
OBSERVE PRECAUTIONS FOR HANDLING
ELECTROSTATIC SENSITIVE DEVICES

RoHS CE

Pb lead-free

ANTARES

LED Light Module

PRODUCT DESCRIPTION

The LUXdrive™ Antares Cree XP-G3 LED module is an off-the-shelf solution to quickly move from prototype to finished LED lighting fixture. The rectangular metal-core printed circuit board employs four (4) Cree XP-G3 emitters. The Antares is built with all 4 LEDs connected in series by 0-ohm jumpers, however, if needed the LEDs can be addressed individually. The LED module was built to work with Khatod Nactus Smart (Nactus 4) optics, silicone gasket and non-gasket options available.

Design with Speed
LUXdrive™ LED modules shorten development time!

Low Profile
2.3 x 2.9” LED board that sits at just 0.16” tall.

High Performance
Premium binned LEDs at competivie prices.

Optics that Protect
Increase IP ratings of your LED light with gasketed optics!

PART NUMBER	CCT	CRI	FORWARD VOLTAGE (Vf)		LUMENS @ 350MA	
			TYP.	MAX²	TYP.	MAX²
J016-CG30827R4	2700K	80	10.8	12.24	476	2033
J016-CG30830R5	3000K	80			556	2374
J016-CG30840S2	4000K	80			592	2528
J016-CG30750S3	5000K	70			624	2664
J016-CG30765S4	6500K	70			656	2801

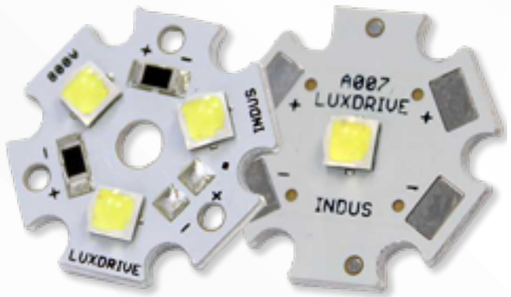
1.Values specified @ 350mA, T_j 85°C - for more specs, visit emitter data sheet here.
2. Maximum values are assuming the max drive current of 2A (2000mA)

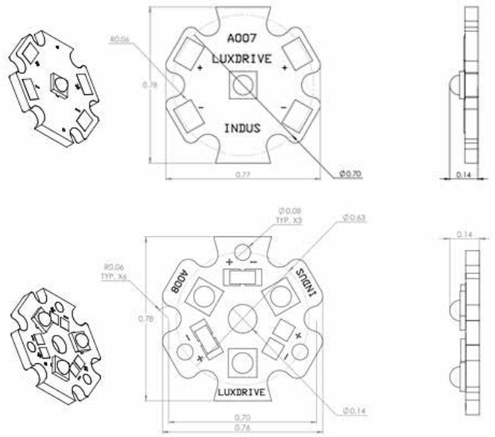
PIXUS STAR B009

Cree XM-L2 LED Light Module

PRODUCT DESCRIPTION

Introducing the Pixus Star™, a cutting-edge LED lighting solution that seamlessly integrates into fixtures and OEM applications with ease. Equipped with the high brightness Cree XM-L2 LED mounted on a 20mm MCPCB (Metal Core Printed Circuit Board), this product offers unparalleled simplicity in installation. The Cree XM-L2 LED, built on the SC3 technology platform with a silicon-carbide base, represents a significant advancement in lighting technology. Delivering up to 20% more lumens and lumens-per-watt compared to its predecessor, the original XM-L, it ensures exceptional brightness and energy efficiency. Versatility is a hallmark of the Pixus Star™ as it can be driven up to 3A, providing dynamic lighting solutions for a wide range of applications. Additionally, customers can choose from a CCT (Correlated Color Temperature) range of 3000-6500K, allowing for precise control over the desired lighting ambiance. With inherent electrical isolation, the Pixus Star™ eliminates the need for electrically insulative thermal interface materials, streamlining the integration process and further enhancing its user-friendliness.





Superior Performance

Stay current with the highest intensity LEDs

Full Color

Multiple CCT and color options for your application

Design Faster

Standard 20mm starboards to shorten development time

Quick Connections

Simple, clearly marked electrical connections

MCPCB FABRICATION

- LEDdynamics standard 20mm Aluminum, Metal Core Printed Circuit Board
- Pb free reflow solder connections
- Electrically isolated heat sinking surface
- White solder mask
- ROHS Compliant

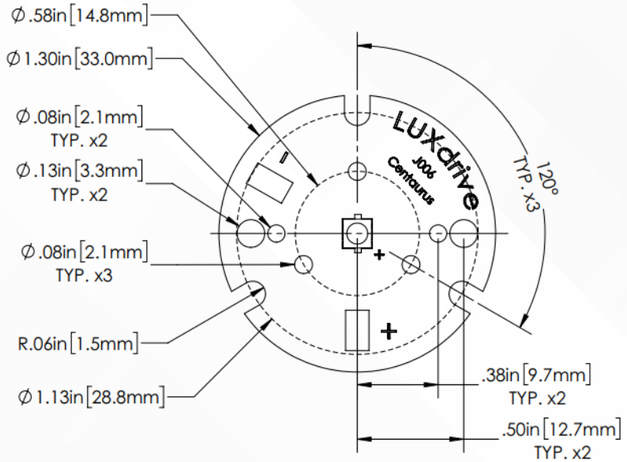
CENTAURUS J006

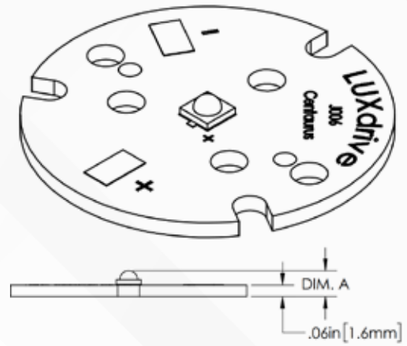
LED Light Module

PRODUCT DESCRIPTION

The Centaurus J006 is a high-power light module that has been designed to mate perfectly with the Khatod PL1672 Series optic. Constructed on a Metal Core PCB, it is electrically isolated and ideal for a variety of general illumination applications. Combining with a PL1672 Series optic will allow the delivery of beam angles from a broad rectangular shape down to the Ultra-Narrow beam punch of four degrees (4°) with the option for an additional optic holder available. The Centaurus features CREE's XP-E2 and XP-G3 Series high-power LEDs to deliver consistency and crispness in virtually any application. Available in a variety of standard configurations or can be customized to meet specific requirements.

Mechanical





"A" Dimension	
LED	Variance
XP-E2 & XP-G3	0.15 in

UV-C K017, A007 & A008

LED Light Module

PRODUCT DESCRIPTION

LUXdrive™ UV-C LED stars are ideal for a variety of applications including surface sterilization, water disinfection, and air purification. UV-C LEDs from Nichia and Seoul are mounted on our industry standard 20mm, aluminum based metal core printed circuit board (MCPCB). Inherent electrical isolation means thermal interface materials are not required to be electrically insulative. Please take necessary precautions when working with UV-C LEDs. The wavelenths emitted are very dangrous to the eyes and skin.

Superior Performance
Stay current with the highest intensity LEDs

UV-C Wavelengths
275-280nm UV-C light emitted from top Nichia & Seoul LEDs

Design Faster
Standard 20mm starboards to shorten development time

Quick Connections
Simple, clearly marked electrical connections

Accessories for High Power UV-C LED Stars

LED Drivers
LUXdrive™ offers a line of drivers designed for use with high-power LED modules. The choice of driver will depend on number of LEDs to be driven, the input voltage source, and the desired forward drive current. See the full line of Luxdrive drivers here.

Heat Sinking & Mounting
LEDdynamics LED stars have six mounting points for #4 screws. The LED stars should be attached to additional heat sinking for proper thermal management. A specialty heatsink or metal plate (copper or aluminum) should be used with a thermal interface material.

LUXDrive Thermal Adhesives	Star #	Compatibility
A001-010H Hexatherm thermal adhesive	10	20mm Stars
A001-100H Hexatherm thermal adhesive	100	

SPECIALTY FIXTURES

LEDdynamics' expertise in lamp and fixtures started with the introduction of the first ballast compatible LED replacement T8. This innovation is recognized worldwide and has resulted in the opportunity to help countless companies develop innovative LED lighting solutions. By applying our expertise, LEDdynamics continues to develop and offer standard and specialty low voltage fixture and lamp products that meet or exceed industry standards.

FIXTURES

PRODUCT	TYPE	LUMENS	DIMMING	USAGE
LVL 2	Luminaire	450 to 600	Yes	Dry
LVL 4	Luminaire	850 to 1000	Yes	Wet
LUNALED	Luminaire	400/ft	No	Dry

LVL 2

Luminaire

PRODUCT OVERVIEW

The LVL.2™ is a low voltage, linear LED light fixture that delivers up to 450 lumens per foot. A small footprint and low profile allow it to be installed, hidden from view, in spatially limited locations. The traditional apperance allows its use as a direct replacement for under cabinet or under shelf lighting in both commercial and residential applications. The LVL.2 is avalable in one, two, and three foot models with standard color temperatues of 3000K, 4000K, and 5000K. The fixture is provided with an on/off switch and integrated mounting tabs.

ELECTRICAL CONNECTIONS

The LVL.2 fixtures have a standard 2.5mm barrel connector on each end allowing the user to provide power to a single unit or to connect two or more units together to form a string up to 17 feet of xture length total.

Jumper cables

Part Number	Length
EAJP06C	6”
EAJP08C	8”
EAJP12C	12”
EAJP24C	24”

Wall-mount power supplies

Part Number	Output	Length of Fixture(s)
EAPS1524C-A	15W	1 - 3 ft
EAPS4024C-A	40W	1 - 9 ft
EAPS9624C-A	96W	1 - 17 ft

TYPICAL APPLICATIONS

- Cove Lighting
- Architectural Lighting
- General Illumination
- Accent Lighting
- Display Lighting
- RV/Automotive Systems
- Wall Wash & Bias Lighting
- Cabinet & Display Case Lighting
- Solar Powered Systems

MADE IN U. S. A.

Pb

RoHS Compliant 2002/95/EC

LVL 4

Luminaire

PRODUCT OVERVIEW

The LVL.4 is a light fixture designed for high brightness wall washing and general illumination. The fixture utilizes high brightness Cree LEDs. In standard lights, each LED is coupled with a spot optic to give a very bright and tight light pattern (other optic options are available).

The LVL.4™ lighting fixture

The fixture is sealed and designed to be suitable for wet locations. It uses a UV stable lens material which will prevent discoloring while in use. The housing of the fixture is made of extruded aluminum that has been anodized. It is extremely rugged and will stand up to exposure to the elements. The housing also provides good thermal characteristics.

Five Year Warranty

The fixture is supplied with 10’ of 18 gauge power cord. This allows for remote mounting of the required power supply.

OPTIONS

- Lengths: 12”, 24”, 36”, 48”
- Colors: Warm white 3000K
- Neutral white 4000K
- Cool white 5000K

ELECTRICAL SPECIFICATIONS

- Input Voltage (24V DC Nominal)
- Power budgeting Approximately 18W per foot at 20°C
- Operating Temp -40°C to +50°C

Electrical Connections

The fixture uses 18 gauge cable that exits through a water proof strain relief. Red is positive, black is negative.

Heat Sinking and Mounting

No additional heat sinking is required. The heat sink is integral to the fixture. Brackets can be provided for mounting. The bottom side of the fixture is designed to accept #8 thread forming screws to attach mounting brackets.

Light Output

Approximately 750 lumens per ft minimum (warm white leds with 6° optics)
Approximately 1020 lumens per ft minimum (cool white leds with 6° optics)

Mecanical Specifications

Approximately overall dimensions: 12”, 24”, 36”, or 48” long, 2.5” wide, 2.0” tall. With brackets, the minimum space required for installation is 3.35” x 3.0”.Weight of fixture: 2.5lbs per foot.

Pb

RoHS Compliant 2011/95/EC

MADE IN U. S. A.

LUNALED

Smooth Output Connectable LED Fixture

Part Number Identification Table

Part Number[1]	White CCT	Fixture Length[2]	Output (Lumens)	Power (Wattage)	Weight (lb)
M030-8303-13-I	3000K		284		
M030-8403-13-I	4000K	13”	307	2.88W	0.25
M030-8503-13-I	5000K		307		
M030-8303-25-I	3000K		568		
M030-8403-25-I	4000K	25”	615	5.76W	0.50
M030-8503-25-I	5000K		614		
M030-8303-37-I	3000K		852		
M030-8403-37-I	4000K	37”	922	8.64W	0.75
M030-8503-37-I	5000K		921		
M030-8303-49-I	3000K		1137		
M030-8403-49-I	4000K	49”	1230	11.52W	1.00
M030-8503-49-I	5000K		1228		

1. I S = single input & D = connectable
2. Lighted length is 1” shorter, small 0.5” gap on each edge for housing

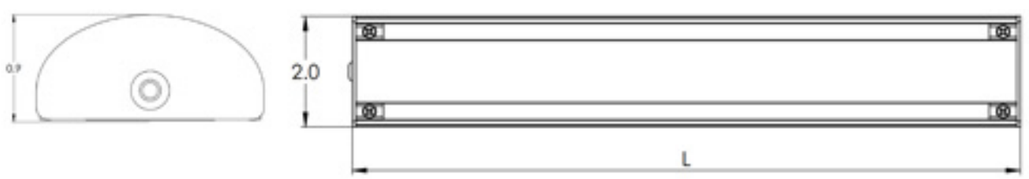
Electrical Specifications

Power Input	24VDC
Min / Max Input	20V / 30V
Light Source	24 LEDs/Ft
Dimming	PWM
Max. Connected Length	30 ft.

Mechanical Specifications

Lens Material	Frosted Polycarbonate
Plug Type	6” 2.1mm plug
Mounting Options	Clips or adhesive
Width	2.0”
Height	0.9”

Mechanical Drawing



CONTROLS

More often than not, the illumination intensity requires a level of control. For those times, the LVDC offering was developed to be an accurate low voltage and highly economic solution when compared to competitive offerings in the market. With both rotary and slider interfaces available and reverse polarity protection, the LVDC will meet demanding needs and deliver impressive results for many applications.

LUXdrive®

PART NUMBER	INTERFACE	DIMMING	CONNECTION
LVDC	Rotary & Slider	0 to 10 V	2 Wire Lead
DualDimmer	Dual Slider	0 to 10 V	3 Wire Lead

LVDC

Low Voltage Dimming Controller

OPERATION

The 0-10 volt DC Low Voltage Dimming Control is for use with LED lighting products such as the LUXdriveTM A009 BuckBlock™, A011 FlexBlock™, 9008 LuxStrip II™, A006 LuxStrip II™, 3021/3023 BuckPuck™ LED drivers, and others compatible with a 0-10V current sinking control. Features logarithmic response and reverse polarity protection.

WARNING:
Miswiring Low Voltage Dimming Control could cause permanent damage to dimmer.
Do Not connect this control to line voltage.
Do Not connect with power applied.
Maximum recommended operating current is 25mA.

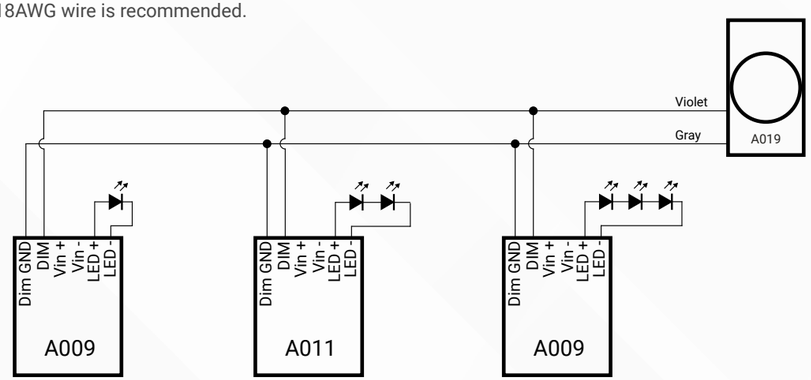
PACKAGE CONTENTS

- Low Voltage Dimming Control with knob and mounting plate
- Mounting screws
- Wire nuts

Application Figures

A009 BuckBlocks™, A011 FlexBlocks™, or a combination of the two: Up to 25 units can be dimmed on a single Low Voltage Dimming Control.

When the drivers being controlled are within a few feet of each other, daisy-chain wiring (shown below) is fine. When dimming distant modules, a star wiring pattern (each driver with it's own run of violet/gray wire back to the dimming control) and 18AWG wire is recommended.



RoHS Compliant 2002/95/EC

DUALDIMMER

LVDC K020

PRODUCT OVERVIEW

The **DualDimmer K020** has two 0-10V controls for use with tunable white LED lighting products such as the LUXdrive K021 DynamicWhiteStrip as well as LED products with a single 0-10V input such as the 7011 ElaraStrip II, A006 LuxStrip II, I033 DuoStrip, A009 BuckBlock, A011 FlexBlock, 3021/3023 BuckPuck LED drivers, and others compatible with a 0-10V current sinking control. Features logarithmic response and reverse polarity protection.

Example: K020-W

WARNING: Miswiring Low Voltage Dimming Control could cause permanent damage to dimmer.
Do Not connect this control to line voltage.
Do Not connect with power applied.
Maximum recommended operating current is 25mA per channel.

CONTENTS

- K020 DualDimmer with mounting plate
- Installation Hardware, mounting screws, and wire nuts

Ordering Information

Product ID	Color Options
K020	**W**hite

Wiring Diagrams

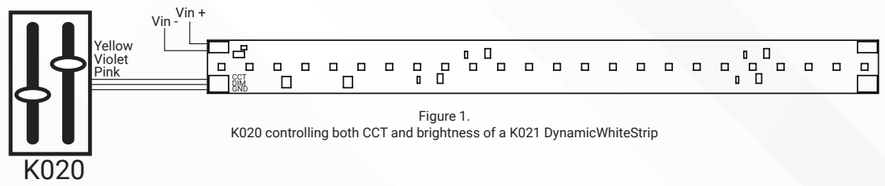


Figure 1.
K020 controlling both CCT and brightness of a K021 DynamicWhiteStrip

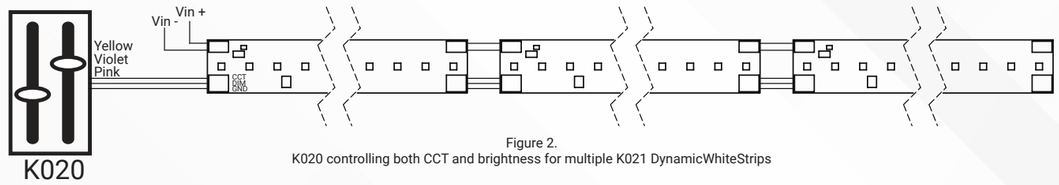
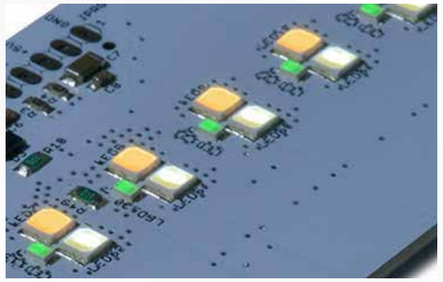


Figure 2.
K020 controlling both CCT and brightness for multiple K021 DynamicWhiteStrips

PERFEKTLIGHT

Experience the future of lighting with PERFEKTLIGHT®, a patented system that seamlessly blends LED colors to mirror the natural sunlight from sunrise to sunset. Enjoy effortless transitions throughout the day, promoting a harmonious environment and enhancing well-being. With intuitive automation and unparalleled accuracy, PERFEKTLIGHT® sets a new standard for lighting, creating the perfect ambiance for every moment.



QUALITY FIRST

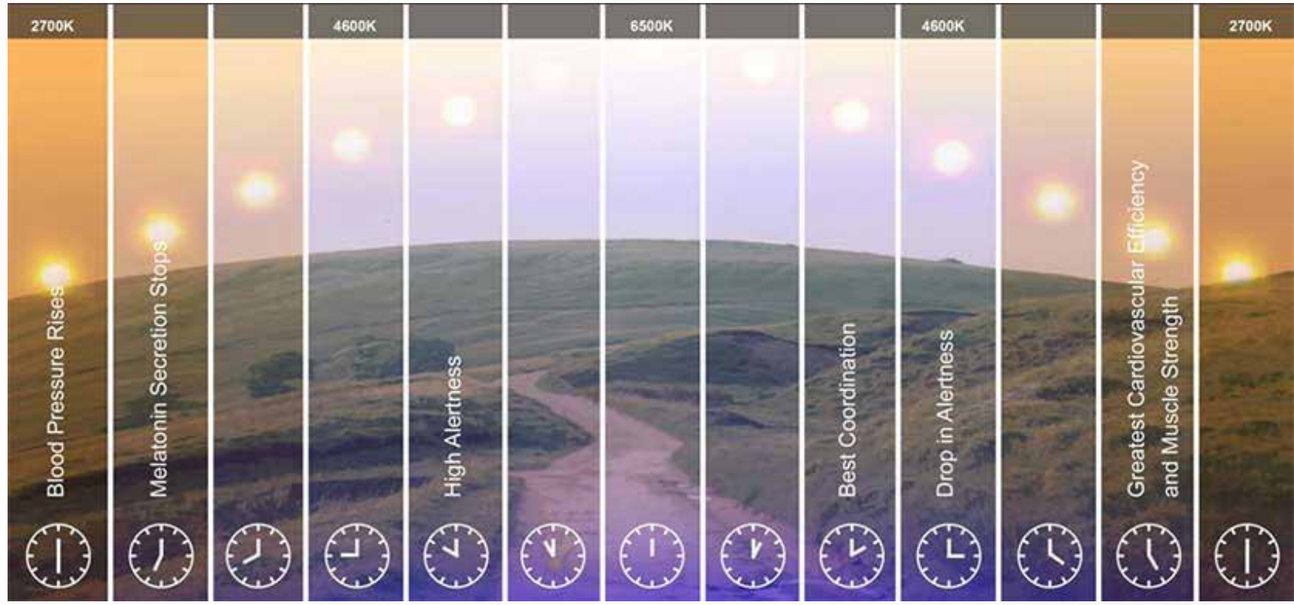
PERFEKTLIGHT™ corrects hue error across the entire CCT range (< 0.001 Duv) and boosts CRI as high as 99.

AWARD WINNING

PERFEKTLIGHT™ was recognized by the Illuminating Engineering Society as a significant advancement in the art and science of lighting.

VIRTUAL SIMULATOR

Customize your scene, location, date and time. Scene lighting will automatically progress through an accelerated day to simulate PERFEKTLIGHT™.



PATENTED LIGHT SYSTEM SYNCHRONIZED WITH THE RHYTHM OF NATURE

What sets PERFEKTLIGHT® apart is our innovative approach to addressing the prevalent pink hue error in traditional white LED mixing. By incorporating a third LED green chip, we effectively correct this error, ensuring a higher quality lighting experience free from unsightly pink hues. Say goodbye to compromised aesthetics and embrace the unparalleled excellence of PERFEKTLIGHT®.

But that's not all – we take lighting innovation to new heights. PERFEKTLIGHT® seamlessly syncs with your physical location, allowing precise color matching or mimicking of the sun throughout the day. This incredible feature creates a natural lighting source indoors, synchronized with the rhythm of nature. Experience the power of circadian lighting and enjoy the benefits of enhanced well-being, improved productivity, and a harmonious environment.

LEDdynamics®

POWER LED TECHNOLOGY

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VERSION 1.0.1.