



Architainment Lighting

Catalogue 2011/A

It's all about the performance.

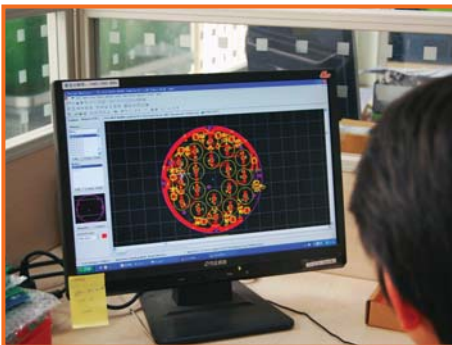
Welcome to the world of Multiform, where solid state lighting and digital lighting control enter the next level of technology, performance and affordability. We would like to take this opportunity to give you an insight into how we do what we do - designing, manufacturing and distributing world-class solid state lighting fixtures and controllers for demanding applications from entertainment to architecture.

■ **Design.** As a company founded by engineers, designing a product and perfecting its performance is an ongoing challenge for us. That's why every aspect of a product, whether it is the appearance, the usability, the performance or the durability, receives our outmost attention in every phase of the design, whether it be the concept, the initial design, the verification phase or the eventual transfer to production. Using world-class tools, both hardware and software, and the most skilled and experienced manpower, we are proud that our designs are not only unique, but also outstanding in their ease of use, performance and longevity.

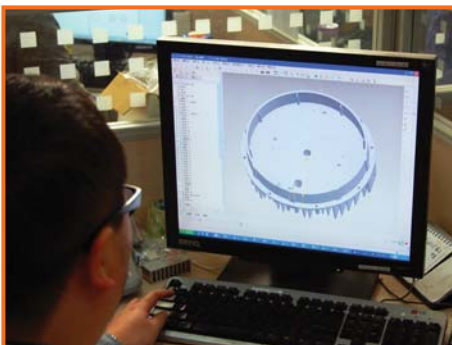
■ **Manufacturing.** In a world dominated by outsourcing, we are one of the few companies who have retained full control of their supply chain and the manufacturing of all products. This way, we can be sure about the quality of each part, we can provide traceability of each component, control the assembly process and properly inspect each finished product. Further, manufacturing of variants and smaller batches can be handled with greater flexibility. Unlike many of our competitors, we are not just a brand, selling the products of the same factories used by other brands. We are a true designer and manufacturer of every one of our products. Our heavy investment in state-of-the-art manufacturing and test equipment sets us apart and maintains our competitive advantage.

■ **Distribution.** Dedication to a regional distribution model has always been a vital part of Multiform's success. With our largely professional and commercial user base, competent technical support by our exclusive distributors and their qualified rental, retail and installation channels is decisive. Comprehensive service information and excellent spare part support make our products a wise decision for years to come. That's why you won't find a Multiform product on supermarket shelves and discount websites, but only in the showrooms of qualified retailers, contractors, installers, and rental companies.

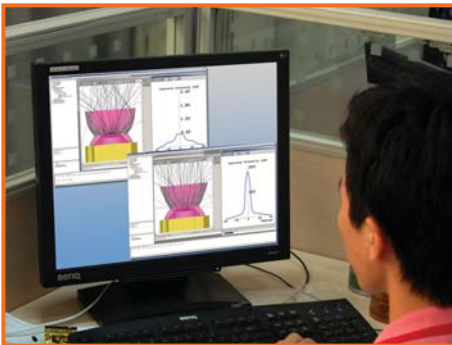
PROCESSES



■ **PCB Design.** It takes experience and attention to detail to create a PCB layout which performs well, balances heat dissipation properly and complies with EMC requirements. Integrated schematic/layout software facilitates the job.



■ **Mechanical Design.** Creativity and knowledge are needed when a product must survive years on the road, allow proper heat management and still sell for an affordable price. Our 3D-CAD-System is indispensable for this task.



■ **Optical Design.** Low optical losses, controlled beam patterns and even color mixing need good design of the secondary optical systems used. Our optical simulation software helps us with the optimization process.



■ **Procurement.** We only buy what our engineers have approved, while consistent quality, availability and price is our target. Our fully integrated ERP/MRP system helps us to optimize our supply chain and achieve our goal.

MATERIALS & QUALITY



■ **Precision metal work.** Where standard sheet metal and simple sand casted parts can not achieve the required heat dissipation and sealing for water ingress protection, our pressure-die-cast and extrusion parts ensure proper performance.



■ **Branded LEDs driven by switch-mode regulators** and mounted on a low thermal resistance metal core PCB: the ultimate combination to reduce heat generation, maximize heat dissipation and thus enhance LED lifetime.



■ **Optical Testing.** Competent design is the basis for a great-performing product - but only verification can prove us right. Whether in R&D, incoming quality control or final inspection, our spectrometer system with integrating sphere does the job.



■ **Ageing Test.** Every unit made undergoes a total of 72 hours testing time, from the bare PCB through to the assembled product. Making sure that every product works reliably from start to finish of its lifetime is our ultimate goal.

40 Years. And counting.

Multiform is not only about the latest products, technologies and design techniques in the era of digital lighting - it is also a piece of history in the world of entertainment and display lighting. Being amongst the very first to build dimmable chase light controllers, we have not only taken a leading role in the development of this industry, but have also contributed some of the major innovations over four decades, like the first truly responsive sound-to-light function. Go with us back in time.

1971

Our founder, Mr. Iain Price-Smith, sets up Multiform Electronics Ltd. and establishes its premises in a former boat shed by Teddington Lock, England.

1972

The company grows and moves to Portugal Road in Woking, England.

1976

The company temporarily engages itself as a subcontract manufacturer of modules for Midas live mixing consoles and the BBC.

1977

Multiform is a founding member of BADEM - today better known as PLASA.

1981

Space gets tight again and Multiform moves to a new factory in Uckfield, England.

1991

Multiform moves to implement an ERP system for supply chain management.

2000

The Uckfield factory gets damaged in a flood and manufacturing is relocated to subcontractors.

2006

Multiform is acquired by Nuclis Holdings Ltd. with former MD Iain Price-Smith still actively involved in product design and marketing.

2007

Supply chain operations are relocated to Hong Kong while design and engineering mainly remains in Europe. An entirely new range of LED-based lighting fixtures is released. Manufacturing is relocated to a fully-owned factory in Guangzhou-Panyu, China.

2010

The Guangzhou factory moves into a brand new 2500sqm facility with latest infrastructure.



Iain Price-Smith - „Mr. Multiform“.

1976
Factory in
Woking, UK



1991
Factory in
Uckfield, UK



1972 Where it all started - The first Multiphase



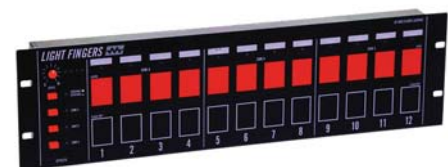
1981 The legendary Multiphase 420 series



1984 Real Sound-to-Light: Multiphase 412



1986 First programmable product: Light-J



1986 Hands on: LightFingers Touchpanel



1988 Showtime! Scorpio Programmable Desk



1988 Total Disco Control: Quattro 4-Zone



1993 Digital Evolution: DMX648 Converter



1993 Curtain up! Zodiac is in the house.



1994 Logical Extension: Rakpac 2610 Dimmer



1996 Pure Power: Rakpac 4610 Dimmer



2007 Paradigm Change: First Multispot

MultiSpot-GII-HP3/30



TECHNICAL DATA

Panels/Output:	1 panel, 3550 lm
LEDs per panel:	30x3W RGB 3-chip
Arrangement:	30x1W red, 30x1W green, 30x1W blue
Optics:	Secondary, 35 degrees
DMX Control:	3-5 Channels
IP Rating:	20 (indoor)/65 (outdoor)
AC requirement:	90-250 V~ 50-60Hz
Max. Power:	95W
Dimensions:	330.0 x 327.0 x 151.5mm WxHxD (with straight bracket)
Weight:	7.1kg net



Connectors

Both in- and outputs for DMX and AC make rigging easy. Conversion to outdoor unit is simple with the available outdoor kit.



Intuitive User Interface

A large LCD display and 5 buttons give access to all settings and status information



3x1W TriLEDs

Providing coherent color mixing straight from the source.



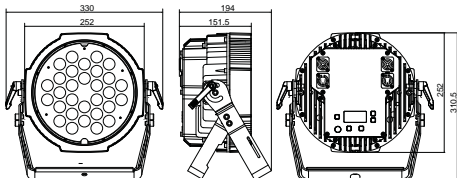
Switch Mode Power Supply

Delivers constant brightness regardless of AC quality.



Touring Bracket

Optional Z-shaped bracket with dual Camlock quarter-turn receptacles for touring applications.



The **Multispot-GII-HP3/30** © is the right choice when it comes to applications where a medium flood dispersion is needed, perfect color mixing even at short distance is a must and the overall brightness generated with colored light is supposed to be maximized. It comes with a powerful RGB MultiLED panel, and offers apart from common RGB mixing also the advanced HSL color mixing control. The user-friendly interface with large LCD display makes this unit suitable for a variety of applications, for which the user can convert the Multispot-GII-HP3/30 between indoor (connectors) and outdoor version (PG cable glands).

- LED panel with 30pcs. of ultra-bright 3x1W RGB MultiLEDs (30x1W Red, 30x1W Green, 30x1W Blue), total LED power 90W
- Total luminous output (all colors full level) 3550 lm with factory-calibrated white balance
- CDA™ (Current Drive Array) technology with high-efficiency switch-mode current regulators
- DISSIMAX™ heatsink with optimized geometry to control temperature for longer LED lifetime
- MCU-controlled LED panel temperature with automatic limiter
- ClearPass™ optical-grade PMMA lenses with 35 degrees dispersion angle
- User-exchangeable lens panel (60 degrees optionally available)
- IP-65 Ingress protection rating (if outdoor conversion kit fitted)
- Switch mode power supply with wide-range input and PFC (EN61000-3-2 (Class C) compliant)
- Genuine Neutrik™ PowerCon power in- and output connectors
- 5-pin XLR sockets for DMX in- and output with lock mechanism on female connector
- Convenient color-preset mode with 19 useful preset colors
- Useful preset mode with 23 internal color-fade presets
- Flexible DMX control scheme, user-settable with 4 different DMX control modes, RGB and HSL, with either combined or separated dimmer/strobe channels.
- DMX slave mode to easily connect several units to be controlled by the first unit in the chain
- Sound-to-light function with AGC (automatic gain control)
- User-adjustable dimmer curve
- User-adjustable modulation frequency for full TV-camera compliance
- User-adjustable white balance
- Maintenance information about duty hours, temperature and firmware version accessible
- Backlit amber 63-segment cleartext display with optional automatic backlight-off mode
- Diecast body with UV-resistant PE powder coating + 2xM10 mount points + M6 security lug
- Multi-purpose dual aluminum bracket
- Optional Z-shaped touring bracket with dual Camlock receptacles available
- Outdoor conversion kit with 4xPG9 (2x for DMX data cable, 2x for AC supply connection) available



www.multiform-lighting.com

MULTIFORM

MultiSpot-GII-HP5/34



TECHNICAL DATA

Panels/Output:	1 panel, 2600 lm
LEDs per panel:	34x1/3W 1-chip
Arrangement:	8x1W red, 6x3W green, 6x3W blue, 8x1W amber, 6x3W white
Optics:	Secondary, 25 degrees
DMX Control:	3-7 Channels
IP Rating:	20 (indoor)/65 (outdoor)
AC requirement:	90-250 V~ 50-60Hz
Max. Power:	75W
Dimensions:	330.0 x 327.0 x 151.5mm WxHxD (with straight bracket)
Weight:	7.1kg net



Connectors

Both in- and outputs for DMX and AC make rigging easy. Conversion to outdoor unit is simple with the available outdoor kit.



Intuitive User Interface

A large LCD display and 5 buttons give access to all settings and status information



1W/3W LEDs

Providing excellent light output vs. heat dissipation for a long lifetime.



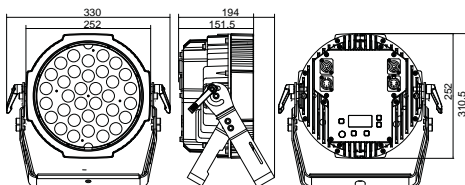
Switch Mode Power Supply

Delivers constant brightness regardless of AC quality.



Touring Bracket

Optional Z-shaped bracket with dual Camlock quarter-turn receptacles for touring applications.



The **MultiSpot-GII-HP5/34** © brings MultiForm's highly successful Multispot series to the next level of performance. It comes with an enhanced color-range, powerful RGBAW panel, and advanced HSL color mixing control. The exchangeable lens panel with different optional dispersion angles and the user-friendly interface with large LCD display makes this unit suitable for many demanding applications, for which the user can convert the Multispot-GII-HP5/34 between indoor (connectors) and outdoor version (PG cable glands).

- LED panel with 34pcs. of ultra-bright 1W/3W LEDs (8x1W Red, 6x3W Green, 6x3W Blue, 8x1W Amber, 6x3W White), total LED power 70W
- Total luminous output (all colors full level) 2600 lm with factory-calibrated white balance
- CDA™ (Current Drive Array) technology with high-efficiency switch-mode current regulators
- DISSIMAX™ heatsink with optimized geometry to control temperature for longer LED lifetime
- MCU-controlled LED panel temperature with automatic limiter
- ClearPass™ optical-grade PMMA lenses with 25 degrees dispersion angle
- User-exchangeable lens panel (10 degrees and 40 degrees optionally available)
- IP-65 Ingress protection rating (if outdoor conversion kit fitted)
- Switch mode power supply with wide-range input and PFC (EN61000-3-2 (Class C) compliant)
- Genuine Neutrik™ PowerCon power in- and output connectors
- 5-pin XLR sockets for DMX in- and output with lock mechanism on female connector
- Convenient color-preset mode with 25 useful preset colors
- Useful preset mode with 23 internal color-fade presets
- Very flexible DMX control scheme, user-settable with 6 different DMX control modes, from RGB through RGBAW and HSL, with either combined or separated dimmer/strobe channels.
- DMX slave mode to easily connect several units to be controlled by the first unit in the chain
- Sound-to-light function with AGC (automatic gain control)
- User-adjustable dimmer curve
- User-adjustable modulation frequency for full TV-camera compliance
- User-adjustable white balance
- Maintenance information about duty hours, temperature and firmware version accessible
- Backlit amber 63-segment cleartext display with optional automatic backlight-off mode
- Diecast body with UV-resistant PE powder coating + 2xM10 mount points + M6 security lug
- Multi-purpose dual aluminum bracket
- Optional Z-shaped touring bracket with dual Camlock receptacles available
- Outdoor conversion kit with 4xPG9 (2x for DMX data cable, 2x for AC supply connection) available



www.multiform-lighting.com

LS1018 MultiBeam HP



TECHNICAL DATA

Panels/Output:	1 panel, 1370 lm
LEDs per panel:	18x3W RGB MulTriCell
Arrangement:	18 red 18 green 18 blue
Optics:	Secondary, 25 degrees
DIM Modulation:	ABAM Bit-Angle Mod.
DMX Control:	4 Channels
IP Rating:	20 (indoor)
AC requirement:	90-250 V~ 50-60Hz
Max. Power:	58.5W
Dimension	324.0 x 309.5 x 93.0mm
	WxHxD (with bracket)
Weight:	3.4kg net



Intuitive User Interface

A display, 3 buttons and one rotary control are located in the back of the all-metal, road-proof enclosure.



3x1W TriLEDs

Providing coherent color mixing straight from the source.



Lens Panel

With a 25° lens provided as standard, other angles are possible by exchange of the lens panel.

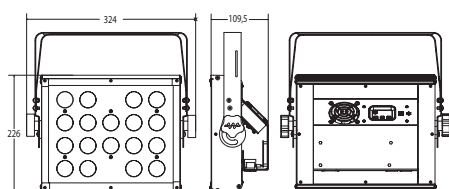


Switch Mode Power Supply

Delivers constant brightness regardless of AC quality.

The **MultiBeam HP © LS1018** is the high-power version of Multiform's popular MultiWash series. Working with 3-in-1 MulTriCell © LEDs, color mixing happens right at the light source and generates a very consistent beam of colored light. The unique LED mounting system DSC © gives direct contact between the LED and the heatsink, reducing the thermal resistance and thus extending the LED life by keeping it cooler. Exchangeable lens panels can adjust the dispersion angle between medium and flood, giving this fixture a wider range of versatility. Adding Multiform's proven 4-channel DMX user concept, which offers stand-alone and also remote-control operation with unprecedented ease of use, this is a fixture for the lighting professional.

- RGB LED panel with 18x3W ultra-bright 3-in-1 MulTriCell LEDs (Red:18 Green:18 Blue:18)
- DSC mounting system and temperature-controlled, variable-speed 60mm fan for LED temperature control
- Exchangeable lens panel (25° dispersion angle factory-fitted, 40 degrees optional)
- Optical-grade PC protection sheet for LEDs and lenses
- 3-Button + Rotary Control user interface with 3-Digit LED Display (lockable)
- Potentiometer serves as dimmer in Fixed Color mode, and as speed control in AUTO mode (with selectable sound-to-light function)
- Wide-gain sound-to-light circuit with AGC
- Fixed Color Scene Mode with 19 Color Presets
- Automatic Mode with 17 programs (fade/switch/strobe)
- Master/slave operation for fixed color and automatic modes
- DMX Mode based on 4-channel control scheme (R/G/B/master+strobe)
- Internal DMX termination resistor (activated by DIP switch)
- Display-off function can turn the display off automatically after 30 seconds (activated by DIP switch)
- Wide-range switch mode power supply with PFC
- Sturdy all-metal cabinet design
- M6 safety lug mounting point
- Rugged metal split-style bracket for hanging or floor-standing operation, with slots for cable ties
- CE/ROHS/FCC/ETL compliant



www.multiform-lighting.com



LS1009 MultiSpot HP



TECHNICAL DATA

Panels/Output:	1 panel, 685 lm
LEDs per panel:	9x3W RGB MulTriCell
Arrangement:	9 red 9 green 9 blue
Optics:	Secondary, 25 degrees
DIM Modulation:	ABAM Bit-Angle Mod.
DMX Control:	4 Channels
IP Rating:	20 (indoor)
AC requirement:	90-250 V~ 50-60Hz
Max. Power:	32.5W
Dimension	269.0 x 275.7 x 93.0mm
	WxHxD (with bracket)
Weight:	2.3kg net



Connectors

Conveniently located at the bottom side.



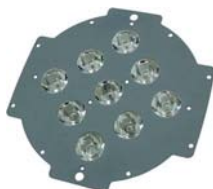
Intuitive User Interface

A display, 3 buttons and one rotary control are located in the back of the all-metal, road-proof enclosure.



3x1W TriLEDs

Providing coherent color mixing straight from the source.



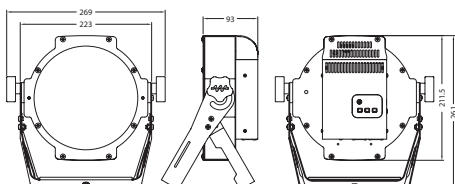
Lens Panel

With a 25° lens provided as standard, other angles are possible by exchange of the lens panel.



Switch Mode Power Supply

Delivers constant brightness regardless of AC quality.



The **Multispot HP © LS1009** is the logical extension of the MultiSpot range into the area of higher power and brightness. Working with 3-in-1 MulTriCell © LEDs, color mixing happens right at the light source and generates a very consistent beam of colored light. The unique LED mounting system DSC © gives direct contact between the LED and the heatsink, reducing the thermal resistance and thus extending the LED life by keeping it cooler. Exchangeable lens panels can adjust the dispersion angle between medium and flood, giving this fixture a wider range of versatility. Adding Multiform's proven 4-channel DMX user concept, which offers stand-alone and also remote-control operation with unprecedented ease of use, this is a fixture for the truly discerning professional user.

- RGB LED panel with 9x3W ultra-bright 3-in-1 MulTriCell LEDs (Red: 9 Green: 9 Blue: 9)
- DSC mounting system and temperature-controlled, variable-speed 40mm fan for LED temperature control
- Exchangeable lens panel (25° dispersion angle factory-fitted, 40 degrees optional)
- Optical-grade PC protection sheet for LEDs and lenses
- 3-Button + Rotary Control user interface with 3-Digit LED Display (lockable)
- Potentiometer serves as dimmer in Fixed Color mode, and as speed control in AUTO mode (with selectable sound-to-light function)
- Wide-gain sound-to-light circuit with AGC
- Fixed Color Scene Mode with 19 Color Presets
- Automatic Mode with 17 programs (fade/switch/strobe)
- Master/slave operation for fixed color and automatic modes
- DMX Mode based on 4-channel control scheme (R/G/B/master+strobe)
- Internal DMX termination resistor (activated by DIP switch)
- Display-off function can turn the display off automatically after 30 seconds (activated by DIP switch)
- Wide-range switch mode power supply
- Sturdy all-metal cabinet design
- M6 safety lug mounting point
- Rugged metal split-style bracket for hanging or floor-standing operation, with slots for cable ties
- Matching flight case for 4pcs. available
- CE/ROHS/FCC/ETL compliant



www.multiform-lighting.com



LS1195 MultiSpot ECO-II



TECHNICAL DATA

Panels/Output:	1 panel, 342 lm
LEDs per panel:	198x5mm 1-chip 60mW
Arrangement:	54 red 90 green 54 blue
Optics:	Primary, 25 degrees
DIM Modulation:	ABAM Bit-Angle Mod.
DMX Control:	4 Channels
IP Rating:	20 (indoor)
AC requirement:	90-250 V~ 50-60Hz
Max. Power:	18W
Dimension	269.0 x 275.7 x 92.5mm
	WxHxD (with bracket)
Weight:	1.2kg net



One-shell design

Molded from sturdy ABS, the integrated, sleek appearance of the LS1195-II is an outstanding feature.



Connectors

Conveniently located at the bottom side.



Intuitive User Interface

A display, 3 buttons and one rotary control make settings easy and comfortable.



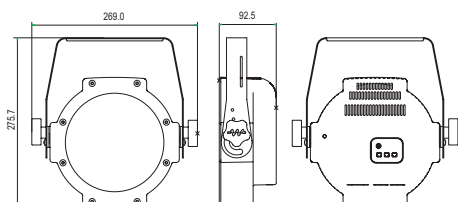
Honeycomb Louver

Smoothering the perceived color output, the louver improves the cosmetic appearance dramatically.



The **Multispot © ECO-II LS1195** is a medium-power RGB LED light source and the successor of our proven entry-level model Multispot © Eco LS1195. The upgrade includes a different R:G:B ratio for better color mixing performance, and a switch mode power supply for improved energy saving and less heat emission, thus enhancing environmental protection. This fixture provides a unique solution for all price-sensitive applications that do not require a road-proof metal case, but do require the stylish Multispot © appearance, a medium-spot angle, color-mixing ability and maximum ease of use – from club lighting to commercial and architectural purposes. Specifically targeting fixed installations, it is available in three color finishes – gray, black and white.

- RGB LED panel with 198x60mW ultra-bright LEDs (Red: 54 Green: 90 Blue: 54)
- 25 degrees dispersion angle
- UCO © (uniform color output) technology with honeycomb louver
- Optical-grade PC protection sheet for LEDs
- 3-Button + Rotary Control user interface with 3-Digit LED Display (lockable)
- Potentiometer serves as dimmer in Fixed Color mode, and as speed control in AUTO mode
- Fixed Color Mode with 19 Color Presets
- Automatic Mode with 17 programs (fade/switch/strobe)
- Master/slave operation for fixed color and automatic modes
- DMX Mode based on 4-channel control scheme (R/G/B/master+strobe)
- Internal DMX termination resistor (activated by DIP switch)
- Display-off function can turn the display off automatically after 30 seconds (activated by DIP switch)
- Wide-range switch mode power supply with fan-less convection cooling
- Impact resistant one-shell ABS plastic case
- M6 safety lug mounting point
- Rugged metal hanging bracket with slots for cables ties
- CE/ROHS compliant, FCC compliant, ETL approved
- Available in gray, black and white color



www.multiform-lighting.com

LS1310 MultiSpot



TECHNICAL DATA

Panels/Output:	1 panel, 530 lm
LEDs per panel:	307x5mm 1-chip 60mW
Arrangement:	102 red 102 green 103 blue
Optics:	Primary, 15 degrees
DIM Modulation:	ABAM Bit-Angle Mod.
DMX Control:	4 Channels
IP Rating:	20 (indoor)
AC requirement:	90-250 V~ 50-60Hz
Max. Power:	18W
Dimension	269.0 x 275.7 x 93.0mm
	WxHxD (with bracket)
Weight:	1.8kg net



Connectors

Conveniently located at the bottom side.



Intuitive User Interface

A display, 3 buttons and one rotary control are located in the back of the all-metal, road-proof enclosure.



Reflector

Concentrating the light beam for better efficiency.



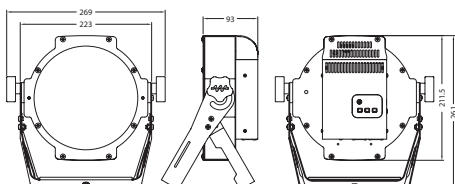
Honeycomb Louver

Smoothering the perceived color output, the louver improves the cosmetic appearance dramatically.



Switch Mode Power Supply

Delivers constant brightness regardless of AC quality.



The **Multispot © LS1310** is a medium-power RGB LED light source and has become a classic ever since its introduction as the first Multiform LED fixture. It represents the true essence of good industrial design – form follows function but still pleases the spectator. It is hence the #1 choice of many architects, contractors and rental companies when a fixture does not only have to look good when being switched on – but also must pleasantly integrate itself in the environment when being switched off. Numerous prestigious installations from cruise ships to upmarket multifunctional hospitality locations show that the combination of a bright narrow-angle RGB beam at night and a classy design by day is what makes the Multispot © so “multi”. And it can be taken on the road, too – the all-metal, sturdy design withstands the rigors of the music touring business just as well as the set-up/break down cycles of trade show rentals.

- RGB LED panel with 307x60mW ultra-bright LEDs (Red: 102 Green: 102 Blue: 103)
- 15 degrees dispersion angle
- Polished reflector for optimized light output
- UCO © (uniform color output) technology with honeycomb louver
- Optical-grade PC protection sheet for LEDs
- 3-Button + Rotary Control user interface with 3-Digit LED Display (lockable)
- Potentiometer serves as dimmer in Fixed Color mode, and as speed control in AUTO mode (with selectable sound-to-light function)
- Wide-gain sound-to-light circuit with AGC
- Fixed Color Mode with 19 Color Presets
- Automatic Mode with 17 programs (fade/switch/strobe)
- Master/slave operation for fixed color and automatic modes
- DMX Mode based on 4-channel control scheme (R/G/B/master+strobe)
- Internal DMX termination resistor (DIP switch)
- Display-off function can turn the display off automatically after 30 seconds (DIP switch)
- Wide-range switch mode power supply
- Fan-less convection cooling
- Sturdy all-metal cabinet design
- M6 safety lug mounting point
- Rugged metal split-style bracket for hanging or floor-standing operation, with slots for cable ties
- Matching flight case for 4pcs. available
- CE/ROHS/FCC/ETL compliant



Case
(for 4 pcs., optional)



www.multiform-lighting.com

LS1130 MultiWash



TECHNICAL DATA

Panels/Output:	1 panel, 1085 lm
LEDs per panel:	126x10mm 1-chip 300mW
Arrangement:	54 red 36 green 36 blue
Optics:	Primary, 30 degrees
DIM Modulation:	ABAM Bit-Angle Mod.
DMX Control:	4 Channels
IP Rating:	20 (indoor)
AC requirement:	90-250 V~ 50-60Hz
Max. Power:	42.8W
Dimension	324.0 x 322.0 x 97.5mm
	WxHxD (with bracket)
Weight:	2.9kg net



Connectors

Conveniently located at the bottom side.



Intuitive User Interface

A display, 3 buttons and one rotary control are located in the back of the all-metal, road-proof enclosure.



Reflector

Concentrating the light beam for better efficiency.



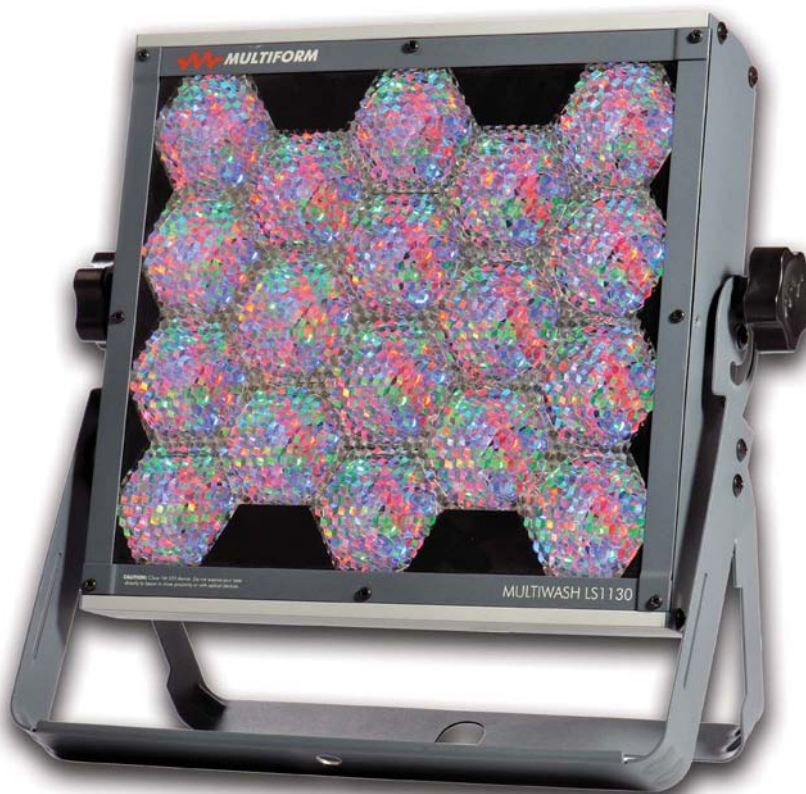
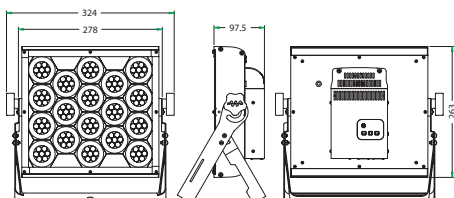
Honeycomb Louver

Smoothering the perceived color output, the louver improves the cosmetic appearance dramatically.



Switch Mode Power Supply

Delivers constant brightness regardless of AC quality.



The **MultiWash © LS1130** is a medium-power RGB LED light source and complements the popular MultiSpot in applications where wider area coverage is needed. To compensate for the loss of brightness when emitting at bigger dispersion angle, the MultiWash is equipped with 10mm medium-power (0.3W) LEDs which are arranged in clusters with additional dispersion control by a customized reflector per cluster. The unique honeycomb louver, the unparalleled ease of use and the road-proof all-metal construction can be found with the MultiWash © LS1130 just as with all members of the Multi series.

- RGB LED panel with 126x300mW ultra-bright LEDs (Red: 54 Green: 36 Blue: 36)
- 30 degrees dispersion angle
- Polished reflector for optimized light output
- UCO © (uniform color output) technology with honeycomb louver
- Optical-grade PC protection sheet for LEDs
- 3-Button + Rotary Control user interface with 3-Digit LED Display (lockable)
- Potentiometer serves as dimmer in Fixed Color mode, and as speed control in AUTO mode (with selectable sound-to-light function)
- Wide-gain sound-to-light circuit with AGC
- Fixed Color Mode with 19 Color Presets
- Automatic Mode with 17 programs (fade/switch/strobe)
- Master/slave operation for fixed color and automatic modes
- DMX Mode based on 4-channel control scheme (R/G/B/master+strobe)
- Internal DMX termination resistor (activated by DIP switch)
- Display-off function can turn the display off automatically after 30 seconds (activated by DIP switch)
- Wide-range switch mode power supply
- Fan-less convection cooling
- Sturdy all-metal cabinet design
- M6 safety lug mounting point
- Rugged metal split-style bracket for hanging or floor-standing operation, with slots for cable ties
- Matching flight for 4pcs. available
- CE/ROHS/FCC/ETL compliant



Case
(for 4 pcs., optional)





Connection panels

Exchangeable In/Out panels for fast conversion to installation requirements.



Switch Mode Power Supply

Delivers constant brightness regardless of AC quality.



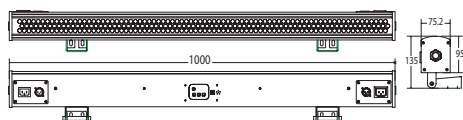
Intuitive User Interface

Makes control and settings simple and comfortable.



Sturdy Brackets

Allow easy and stable mounting on floors, walls and ceilings.



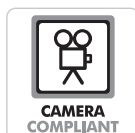
The **Multiwall © LS1243** is Multiform's proposition for architectural short- to medium throw indoor linear wall coloring, stage backdrop illumination and cove lighting. The use of a custom-designed large-chip 10mm LED generates nearly double the brightness than with common small-chip LEDs, but still keeps heat dissipation well distributed and low – enabling installation in less accessible positions with little airflow. Multiform's well-known 4-channel DMX user concept offers stand-alone and also remote-control operation with unprecedented ease of use. An innovative dual-purpose connection system allows mobile use with detachable cabling as well as fixed daisy-chained installations without obvious cabling.

- RGB LED panel with 243x120mW ultra-bright LEDs (Red: 81 Green: 81 Blue: 81)
- 25 degrees dispersion angle
- Optical-grade PC protection sheet for LEDs
- 3-Button + Rotary Control user interface with 3-Digit LED Display (lockable)
- Potentiometer serves as dimmer in Fixed Color mode, and as speed control in AUTO mode (with selectable sound-to-light function)
- Wide-gain sound-to-light circuit with AGC
- Fixed Color Scene Mode with 19 Color Presets
- Automatic Mode with 17 programs (fade/switch/strobe)
- Master/slave operation for fixed color and automatic modes
- DMX Mode based on 4-channel control scheme (R/G/B/master+strobe)
- Internal DMX termination resistor (activated by DIP switch)
- Display-off function can turn the display off automatically after 30 seconds (activated by DIP switch)
- Wide-range switch mode power supply with active PFC
- Fan-less convection cooling
- Sturdy all-metal cabinet design
- M6 safety lug mounting point
- Rugged metal mounting brackets for both floor-standing or wall/ceiling-mounting operation
- Convertible connection system with either in/output connector panels or PG cable glands (included)

TECHNICAL DATA

Panels/Output:	1 panel, 835 lm
LEDs per panel:	243x10mm 1-chip 120mW
Arrangement:	81 red 81 green 81 blue
Optics:	Primary, 25 degrees
DIM Modulation:	ABAM Bit-Angle Mod.
DMX Control:	4 Channels
IP Rating:	20 (indoor)
AC requirement:	90-250 V~ 50-60Hz
Max. Power:	34.2W
Dimension	1000.0 x 75.2 x 95.0mm
Weight:	4.4kg net





The **MultiWall-GII-HP5/62** is Multiform's proposition for applications where a color-changing linear light source with wide color spectrum, superior output and long-term reliability is needed. It features a new unique cooling technology, which keeps the 62W-LED panel at appropriate working temperature, and hence promises extended lifetime. The elliptical dispersion angle and the user-friendly user interface make this unit suitable for a wide variety of applications, for which the user can easily convert the unit between indoor (connectors) and outdoor version (PG cable glands).

- LED panel with 62x1W ultra-bright LEDs (12xRed, 21xGreen, 12xBlue, 8xAmber, 9xWhite)
- Total luminous output (all colors full level) 3250lm with factory-calibrated white balance
- CDA™ (Current Drive Array) technology with high-efficiency switch-mode current regulators
- DISSIMAX™ heatsink with optimized geometry to control temperature for longer LED lifetime
- MCU-controlled LED panel temperature with automatic limiter
- ClearPass™ optical-grade PMMA lenses with 25x75 degrees elliptical dispersion angle
- IP-65 Ingress protection rating (if outdoor conversion kit fitted)
- Switch mode power supply with wide-range input and PFC (EN61000-3-2 (Class C) compliant)
- Genuine Neutrik™ PowerCon power in- and output connectors
- 5-pin XLR sockets for DMX in- and output with lock mechanism on female connector
- Convenient color-preset mode with 25 useful preset colors
- Useful Preset Mode with 23 internal color fade presets
- Very flexible DMX control scheme, user-settable with 6 different DMX control modes, from RGB through RGBAW and HSL, with either combined or separated dimmer/strobe channels.
- DMX slave mode to easily connect several units to be controlled by the first unit in the chain
- Sound-to-light function with AGC (automatic gain control)
- User-adjustable dimmer curve and white balance
- User-adjustable modulation frequency for full TV-camera compliance
- Maintenance information about duty hours, temperature and firmware version accessible
- Backlit amber 63-segment cleartext display with optional automatic backlight-off mode
- Extruded aluminium body with grey UV-resistant PE powder coating and lower M10 nut slot
- 2xMulti-purpose, variable-position aluminum brackets with hook mounting holes and optional 2xCamlock quarter-turn fast mounting receptables
- Outdoor conversion kit with 4xPG9 (2x for DMX cable, 2x for AC cable) available
- Unit can be disassembled for service and maintenance (removable tempered glass cover)



Connectors

Both in- and outputs for DMX and AC make rigging easy. Conversion to outdoor unit is simple with the available outdoor kit.



Switch Mode Power Supply

Delivers constant brightness regardless of AC quality.

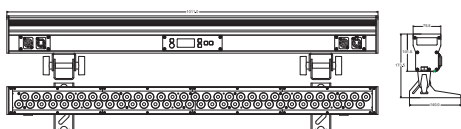


Intuitive Control with large LCD display



Sturdy Brackets

Allow easy and stable mounting on floors, walls and ceilings. Camlock receptables provided as option.

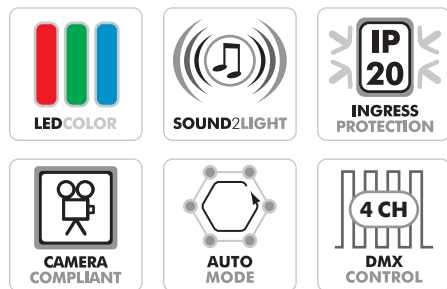


TECHNICAL DATA

Panels/Output:	1 panel, 3250 lm (all colors 100%)
LEDs per panel:	62x1W 1-chip 350mA
Arrangement:	12 red, 21 green, 12 blue, 8 amber, 9 white
Optics:	Secondary, optical PMMA 25x75 degrees
DMX Control:	3 to 7 Channels (depending on settings)
IP Rating:	20 (indoor) / 65 (with outdoor conversion kit)
AC requirement:	90-250 V~ 50-60Hz
Max. Power:	70 W
Dimension	1011.0 x 75.5 x 101.5mm
Weight:	6.2kg net



LS3042 MultiFlood



TECHNICAL DATA

Panels/Output:	3 panels, 360 lm each
LEDs per panel:	42x10mm 1-chip 300mW
Arrangement:	42 red 42 green 42 blue
Optics:	Primary, 30 degrees
DIM Modulation:	ABAM Bit-Angle Mod.
DMX Control:	4 Channels
IP Rating:	20 (indoor)
AC requirement:	90-250 V~ 50-60Hz
Max. Power:	42.8W
Dimension	483.0 x 308.0 x 97.5mm WxHxD (with bracket)
Weight:	4.9kg net



Connectors

Conveniently located at the bottom side.



Intuitive User Interface

A display, 3 buttons and one rotary control are located in the back of the all-metal, road-proof enclosure.



Reflector

Concentrating the light beam for better efficiency.



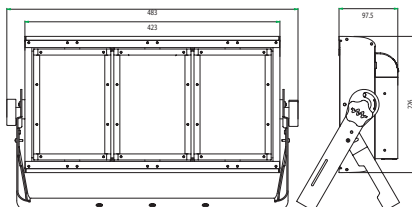
Tiltable Panels

Each color's panel can be individually adjusted by ± 10 degrees for better area coverage.



Switch Mode Power Supply

Delivers constant brightness regardless of AC quality.



The **MultiFlood © LS3042** is a medium-power LED light source which is specifically designed as a successor to the traditional tripod+PAR bar setups, commonly used by entertainers and mobile DJs. Such PAR bars, which generally consist of a number of PAR Spotlights with a dedicated color filter each – mostly red/green/blue/yellow, can now be replaced with the innovative MultiFlood © LS3042, which yields numerous advantages. The smaller form factor makes transportation an ease, the lower power consumption allows to run the entire lighting and audio system from just one supply circuit, and the low heat emission makes artist and audience sweat less. The ultra-efficient 10mm 0.3W LEDs (42 per color) are arranged in three panels of red, green and blue color respectively, and deliver a brightness comparable to a PAR56/300W bulb for each color. Reducing the colors from 4 to 3, thus avoiding the mostly as disturbingly bright perceived yellow, is another practical advantage of this ingenious all-in-one unit.

- Three LED panels with 42x300mW ultra-bright LEDs each for red, green and blue
- 30 degrees dispersion angle
- Each panel can be tilted by 10 degrees for better area coverage
- Polished reflectors for optimized light output
- Optical-grade PC protection sheet for LEDs
- 3-Button + Rotary Control user interface with 3-Digit LED Display (lockable)
- Potentiometer serves as dimmer in Fixed Color mode, and as speed control in AUTO mode (with selectable sound-to-light function)
- Wide-gain sound-to-light circuit with AGC
- Fixed Color Scene Mode with 19 Color Presets
- Automatic Mode with 17 programs (fade/switch/strobe)
- Master/slave operation for fixed color and automatic modes
- DMX Mode based on 4-channel control scheme (R/G/B/master+strobe)
- Internal DMX termination resistor (activated by DIP switch)
- Display-off function can turn the display off automatically after 30 seconds (activated by DIP switch)
- Wide-range switch mode power supply
- Fan-less convection cooling
- Sturdy all-metal cabinet design
- M6 safety lug mounting point
- Rugged metal split-style bracket for hanging or floor-standing operation, with slots for cables ties
- 35mm tripod mounting adaptor included
- Matching flight case for 2pcs. available
- CE/ROHS/FCC/ETL compliant



Case
(for 2 pcs., optional)



www.multiform-lighting.com

LS4195 MultiBar ECO



Ultra-flat design

With only 62.5 mm depth, the LS4195 is very easy to transport and handle.



Switch Mode Power Supply

Delivers constant brightness regardless of AC quality.



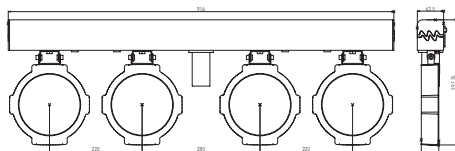
Intuitive User Interface

Makes control and settings easy and comfortable.



Integral Brackets

Swivel and tilt the LED panels as required using the sturdy panel brackets.



The **MultiBar ECO LS4195** is the ultimate show lighting system out-of-the-box – ideal for anyone who needs to set up basic chase lighting or scene lighting in minutes. It delivers outstanding brightness from a very small form factor with long term durability, and offers both internal scenes and chase programs, as well as the possibility for full remote control by DMX. Perfectly suited for small bands, mobile DJ's and rental companies, the LS4195 comes ready-to-go in a road-proof flight case.

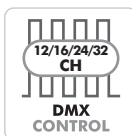
- 4 RGB LED panels with each 197×60mW ultra-bright LEDs (Red: 49 Green: 96 Blue: 52)
- 25 degrees dispersion angle
- UCO © (uniform color output) technology with honeycomb louver
- Optical-grade PC protection sheet for LEDs
- Rugged metal brackets allow each panel to be tilted and swivelled individually
- 7 Operation modes: FADE (automatic fade pattern play with 29 selectable patterns), AUTO (automatic switch pattern play with 33 selectable patterns and strobes), COLOR (full color scene mode with 19 selectable color presets), COLOR PATTERN (mixed color scene mode with 9 presets), DMX PRESET (5 DMX channels to remotely control internal presets), DMX (16 DMX channels to control each panel in red/green/blue intensity + master/strobe), SLAVE (12 DMX channels to control each panel in red/green/blue intensity)
- 3-button / 1-potentiometer user interface with 3-digit LED display (lockable)
- Potentiometer serves as dimmer in COLOR and COLOR PATTERN modes, and as speed control in FADE and AUTO modes (with selectable sound-to-light function)
- Foot switch input for optional LC400F foot controller (not included) to control blackout/mode/strobe/pattern
- Wide-range switch mode power supply with fan-less convection cooling
- All-metal structure with 2xM10 thread insert on top for simple mounting of truss hooks
- Pole mount adaptor for 35mm diameter tripods
- Supplied in road-proof flight case (case also holds optional LC300H and LC400F controllers – controllers not included)
- CE/ROHS compliant, ETL approved

TECHNICAL DATA

Panels/Output:	4 panels, 340lm each
LEDs per panel:	197x5mm 1-chip 60mW
Arrangement:	49 red 96 green 52 blue
Optics:	Primary, 25 degrees
DIM Modulation:	ABAM Bit-Angle Mod.
DMX Control:	5/12/16 Channels
IP Rating:	20 (indoor)
AC requirement:	90-250 V~ 50-60Hz
Max. Power:	55.2W
Dimension	916.0 x 297.4 x 62.5mm
	LxHxD (without case)
Weight:	7.2kg net (without case)
	14.7kg net (with case)



Professional Flightcase (included)
Note: LC300H/LC400F not included



LC300H Front Panel



LC300H Rear Panel

The **MultiLED LC300H** RGB handheld LED controller is specifically designed to work with Multiform RGB LED fixtures and gives access to the most frequently used show parameters such as chaser patterns, color choices, scene settings and strobe options at the touch of a button. The internal presets can be adjusted in key parameters but no programming or understanding of RGB color mixing is necessary, which makes the whole system "plug-and-play". Bands, mobile DJs, small clubs and venues as well as commercial applications from exhibition to display and shop lighting will find this ingenious small controller the best and most versatile way to control their rig.

- 10 Chaser programs combinable with 10 Color moods = 100 selectable presets
- Structure of presets adjustable depending on number of connected fixtures: 1×3, 2×3, 1×4 and 2×4 configurations available.
- 4 Operation modes:
 - BLACK OUT (all fixtures off)
 - STROBE (all fixtures flash with selectable color, dim level and speed)
 - ALL ON (all fixtures on with selectable color and dim level)
 - PATTERN (fixtures follow one of 10 chase patterns with one of 10 color moods with selectable dim level and adjustable transition time)
- Speed for pattern mode can be determined in three ways: Either by means of a rotary control on the front panel, or by tapping along the music on the tap tempo button, or by the internal sound-to-light circuit
- Sound-to-light circuit with sophisticated MULTIGAIN® AGC-circuit (automatic gain control) for perfect sensitivity; input either by internal microphone or by external signal fed into the provided 1/4" TRS socket (transformer isolated)
- 4x14 Segment large LED display, status LEDs for all main functions
- Powder-coated all metal case with detachable mounting brackets (included)
- External power supply (included)
- Compatible with optional **MultiFoot LC400F** foot remote (not included) to control the BLACK OUT mode, the ALL ON mode, the STROBE mode and tap tempo remotely.

TECHNICAL DATA (LC300H)

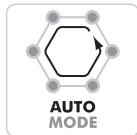
Inputs: 1/4" TRS for LC400F
1/4" TRS for external audio
Output: 3-pin XLR (DMX512/1990)
Supply: 12V DC (adaptor supplied)
[100-240V AC, 50-60Hz]
Size: WxHxD: 92 x 132 x 52mm
Weight: 0.6kg

TECHNICAL DATA (LC400F)

Input: 1/4" TRS for Multiform controllers
Size: WxHxD: 353 x 76 x 100mm
Weight: 1.1kg



LP405D MultiPac



TECHNICAL DATA

Power handling: 4 channels x5 A
 max. total load: 16 A, in-built current limiter
 Input: IEC60320-C20
 Output: IEC, Schuko or NEMA
 Supply voltage: 220-250 V, 50 Hz (IEC/SK)
 110-120 V, 60 Hz (NEMA)
 Dimension: 234.0 x 162.0 x 81.0 mm
 WxHxD (with handle)
 Weight: 2.8 kg



Input connectors & fuses



Output connectors



Screwed Triacs



Output chokes



Even though the **Multipac © LP405D** is an up-to-date, modern 4-channel DMX wall-pack dimmer design, it is at the same a true legacy product – because Multiform builds dimmers for professional applications since decades, so all our knowledge and experience has been put into this nifty little unit. This dimmer can serve as a stand-alone dimmer with local level adjustments and even chaser presets, but also as a remotely controlled unit with very flexible DMX implementation which can run all 4 outputs separate, in groups of two or all from one DMX channel. A truly outstanding feature is the limiter which makes sure that the unit never exceeds 16A current drawn from its input, avoiding the circuit breaker of the supply to blow which is especially useful in smaller setups for bands and DJs. The carrying handle on this unit and the detachable power cord proclaim the mission: ready for any dimming job anywhere!

- Portable 4-channel x5A SCR-based dimmer pack
- Total maximum load 16 A, in-built current sensing limiter
- DMX512 control
- 9 internal chaser programs for stand-alone operation
- Channel potentiometers for setting a scene without external control
- Foot switch input for black out function
- Editable parameters:
 - Dimmer curve (lin/log)
 - Switch/dim function (per channel)
 - Preheat (0/3/6%)
 - Level limit (per channel)
 - Output configuration (4x1 channel, 2x2 channel, 1x4 channel)
- Switchable DMX termination
- Safety lug mounting point
- Output coils mounted in damping rubber suspension
- Screw-mounted 25 A oversized triacs with individual fuse per channel
- Input filter to comply with EN61000-3-3 flicker regulations
- IEC-C20 socket for detachable power cord (open-end cord supplied)
- M10 thread insert for truss clamp
- M6 safety lug mounting point
- Sturdy all-metal cabinet design
- Handle for convenient transportation
- Convection-cooled for silent operation
- Available in IEC, Schuko and NEMA output configurations

distributed by

ADELTO

14th Floor • Flat A • Unionway Commercial Centre
283 Queen's Road Central • Hong Kong
Tel: +852-83406156 • Fax +852-83432209
info@adelto.com • www.adelto.com

an affiliate of
NUCLUS
HOLDINGS LTD

