traxon e:cue

AN OSRAM BUSINESS

FLEXIBILITY, SIMPLICITY & INNOVATION IN LIGHTING SOLUTIONS & SERVICES

Green Light

LED technology is changing the way we light the world. From cost savings to a reduced carbon footprint, to human health safety, Light Emitting Diodes have made measurable advancements of great proportion in recent years, to become a leading science in intelligent illumination worldwide. The robust technology of LED is at the core of every Traxon fixture. With less energy consumption than incandescent lamps, LEDs result in reduced carbon emissions making them environmentally friendly. Additionally, LEDs boast a longevity lasting nearly 30 times longer than incandescent bulbs, and therefore cost less to use for the duration of their lifetime. LEDs reduce pollution and cancer risks as they contain no Mercury or Lead, and they are safe for use near material goods as they emit no harmful Ultraviolet rays. Traxon & e:cue welcomes you to partner with us as industry leaders in the evolving world of solid state lighting.

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about

About Traxon Technologies

Traxon Technologies, together with its control brand, e:cue, is a global leader in solid state lighting and control systems providing complete, sustainable and intelligent lighting solutions. Working with our extensive partner network, Traxon & e:cue transform creative visions into unforgettable lighting experiences, elevating architectural, entertainment, hospitality, and retail environments around the world.

Flexibility, simplicity, and innovation are our guiding principles. From software and product development, customization competence and cutting-edge integrated lighting and building material solutions, to worldwide project management, planning and support services, to our dynamic and global team of outstanding professionals, these values drive and shape us within our ever-evolving industry.

Our customers and partners are the leading international lighting design, architecture and engineering firms, as well as the world's premier developers and brands. Together we have completed over 4,000 installations worldwide, including renowned architectural landmarks such as Flame Towers, Baku; National Stadium, Warsaw; Christ the Redeemer Monument, Rio de Janeiro; InterContinental Chicago Magnificent Mile, Chicago; Yas Hotel, Abu Dhabi; Galeries Lafayette, Paris; JR Tokyo Station, Tokyo; Esplanade – Theatres on the Bay, Singapore; and many other prestigious entertainment, hospitality, and retail interiors and façades.

Traxon & e:cue's innovative, integrated control, software, product and project portfolios have won many awards and accolades for their pioneering technologies and dynamic solutions, including LFI Innovation, iF Design, Red Dot Design, DDC, POPAI, and MELDA.

In 2009, Traxon Technologies entered into a joint venture with OSRAM, a partnership which ultimately led to OSRAM's complete acquisition of Traxon in 2011, thus strengthening our position in the market by combining knowledge and experience in technology and marketing, and building on synergies with OSRAM's global presence.

For more information visit:
www.traxontechnologies.com

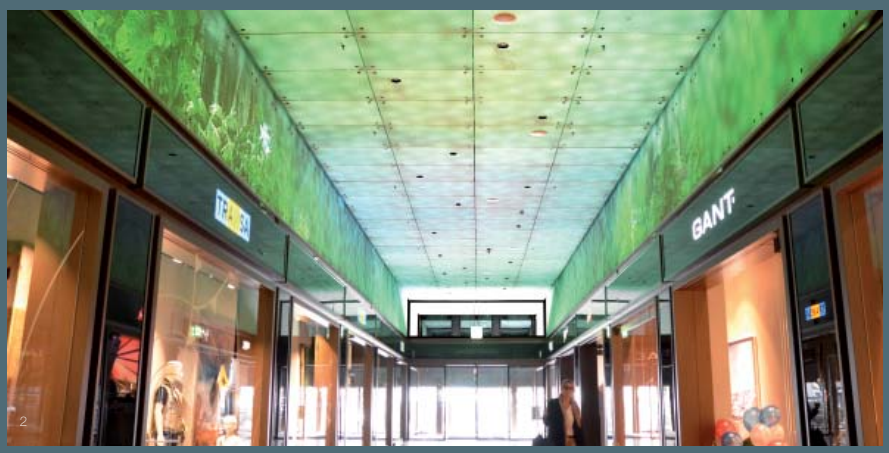
Light & Architecture

[1] Flame Towers, Baku, Azerbaijan
[2] Crystal Hall, Baku, Azerbaijan
[3] Maillart Bridge, Aarburg, Switzerland
[4] Capital Gate, Abu Dhabi, UAE

Distinctive architectural elements deserve to be noticed. Provide a map of light that leads the eye to appreciate their splendor, with discrete illumination solutions that exude a concentrated radiance, elegantly distinguishing intricate façades, walls, and borders. Melding technology with simplicity, Traxon & e:cue's flexible system solutions ensure bright, even output, and efficient operation and installation process. Customize an advanced lighting solution to bring your signature interior and exterior architectural features into focus.

Light & Retail

[1] ESPRIT Flagship Store, Frankfurt am Main, Germany
[2] Europaallee Passage, Zurich, Switzerland
[3] Asian Paints “COLOUR”, New Delhi, India
[4] Galeries Lafayette, “Chrysalide”, Paris, France



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Light is among the most essential and effective sales tools in the Retail industry. Whether directing attention to a retail space, conveying the quality of merchandise, or strengthening branding and display themes, lighting has a dramatic – often subconscious, ability to charm consumers. Traxon & e:cue understand the positive potential of lighting in retail environments. Our full system solutions gracefully accentuate goods, effortlessly lead clientele through product displays, and ultimately inspire a decision to purchase. Traxon & e:cue solutions are as subtle or as bold as you wish them to be. Whether creating a subtle ambiance or a blatant, branded advertisement, let light in, to enhance your retail space and build your business.

Light & Hospitality

[1] St. Joseph's Regional Medical Center, Paterson, USA
[2] PLAY2 Chickie's & Pete's, Philadelphia, USA
[3] Vetro Bar, Essex, United Kingdom
[4] Anyone who has a heart, Manchester, United Kingdom

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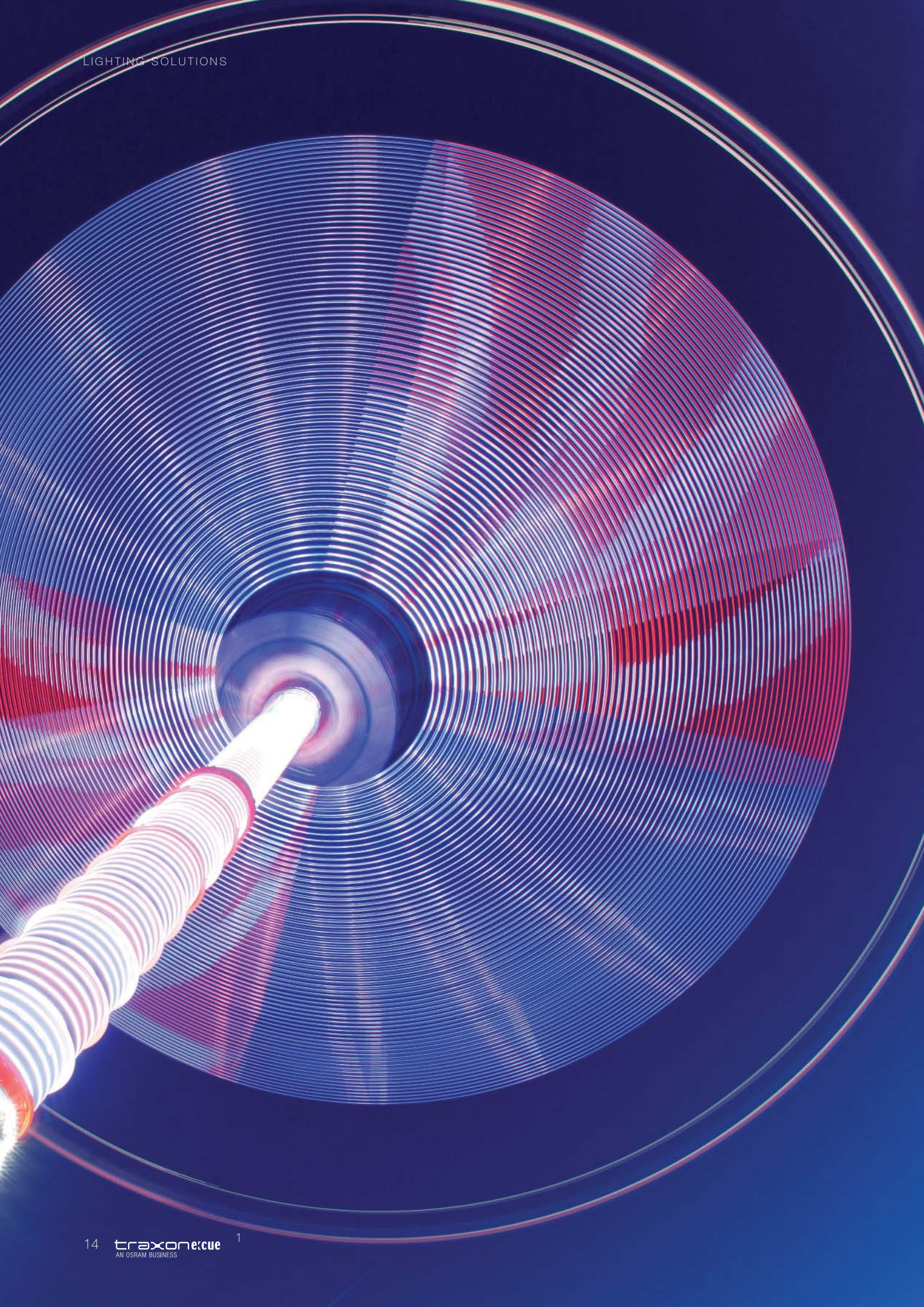
Instantly captivate the mind, reward the eye, and evoke emotion with customized illumination. Traxon & e:cue's full system solutions leverage light to infuse atmospheres with serenity and intrigue; the mood enhancing possibilities are as endless as the imagination. Flexible fixtures and intelligent controls ensure flawless integration into any space, subtly putting guests at ease. From radiant balustrades and backlit coves to shimmering walls and ceilings, Traxon & e:cue's offerings merge expression with light, creating distinctive and unforgettable environments.



Light & Entertainment

[1] Mission Space, Neede, The Netherlands
[2] CRUSH Teen Club at Atlantis, The Bahamas
[3] Lantern Wonderland 2012 "Golden Moon", Hong Kong, China
[4] Trans Studio Bandung Roller Coaster, Bandung, Indonesia

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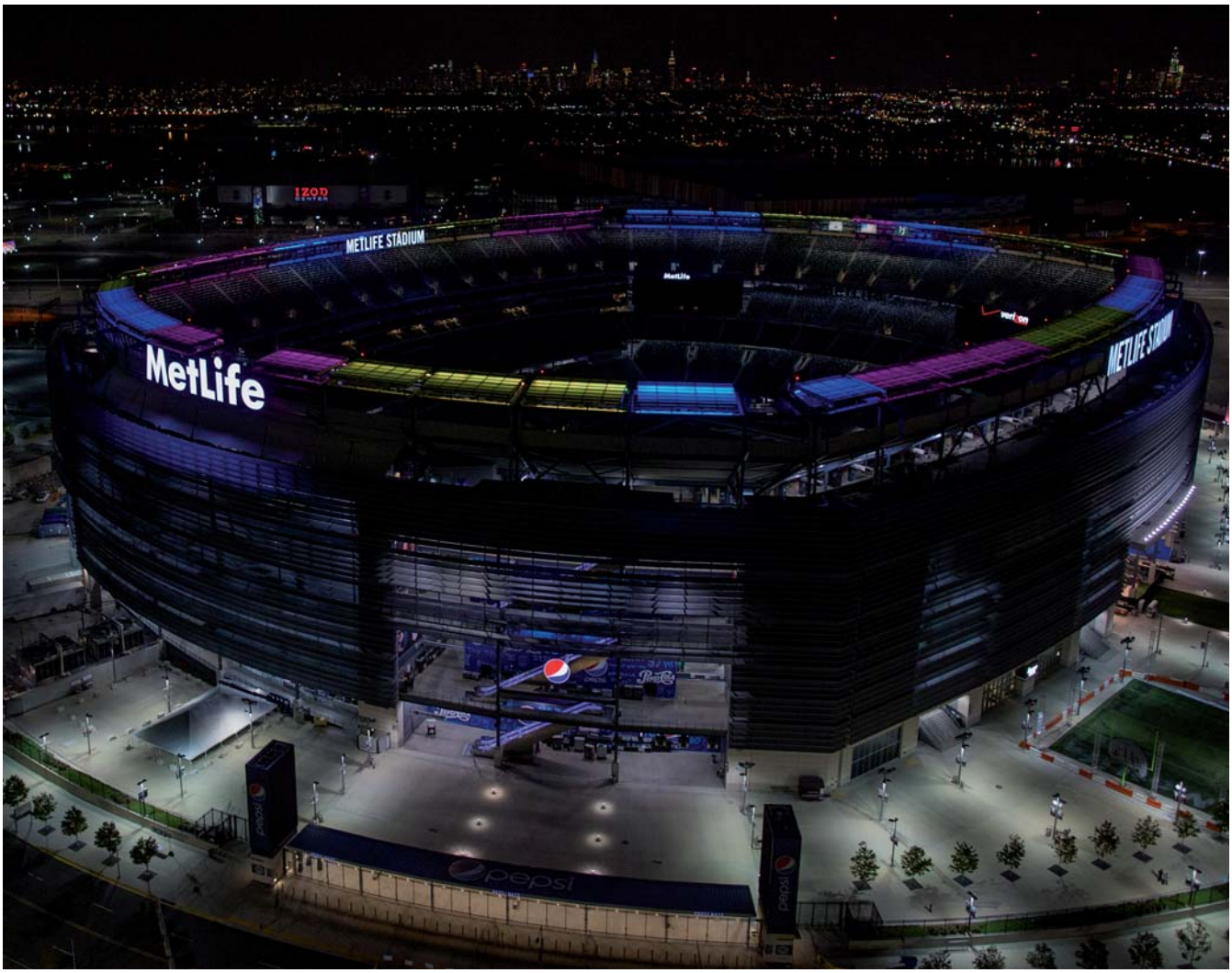
Breathe excitement into audiences and create memorable experiences for guests through the influence of dynamic lighting. No other element can so dramatically and effortlessly transform an environment or inspire a memory or engage its guests, as a strategic lighting scenario can. Traxon & e:cue's extensive portfolio features options for a wide range of entertainment applications, from ambiance and accent lighting for creating anticipation or setting the scene, to bold media and façade solutions, which enable scalable visual masterpieces of text, graphics, and video animations. Traxon & e:cue's full system solutions take customization to a new level and make your innovative design visions a reality.

National Stadium, Warsaw, Poland

Illumination Overview

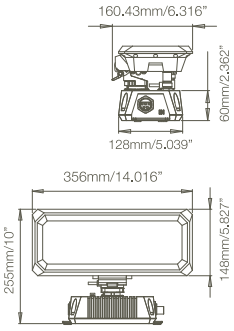
The Illumination line takes power and flexibility to a bold new level. Combining high-intensity LEDs with multiple customization options, the luminaires are rugged and powerful, yet sophisticated enough to meet the detailed demands of projects of any scale. The Illumination line, designed to withstand weather-changing environments while maintaining consistent bright light output, is available for interior and exterior applications. A wide optic range enables precise placement of light and even saturation, producing superior wall washing and grazing effects.



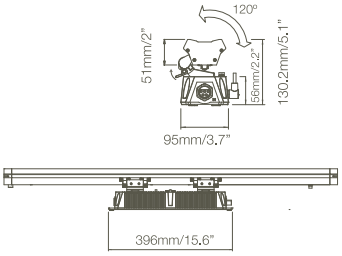
MetLife Stadium, East Rutherford, USA | Holmenkollen, Oslo, Norway | Light Up Ninja, Yokohama, Japan

Wall Washer Shield AC XB
Liner Shield AC XB

Wall Washer Shield AC XB-36



Liner Shield AC XB-27



Shield AC XB is the solution for large-scale, high-brightness architectural illumination. The outdoor-rated Shield AC XB, intended for wall washing and grazing, enables sophisticated bright light output, projecting long distances with a broad range of customization options. The simple connection system and long run length capability enables easy installation for large-scale lighting projects.

Powered by AC line voltage AC line voltage eliminates the need for remote LED engines and allows the fixture to function up to 300 meters from its power source, with up to 32 fixtures per run.

Simple connection system Standard daisy-chain topology with combined power and data cable simplifies wiring and lowers installation costs.

Detachable base design The detachable base design gives the option of integrated or separated mounting for the base and lamp. The separation of the fixture from the power supply makes the Shield AC highly durable, easy to maintain, and flexible for use in many different scenarios.

Field-installable connectors The field-installable connectors allow the optimization of cable lengths and fixture positions.

Various customization options Shield AC XB customization choices include number of LEDs per fixture; LED color combinations (red, green, blue, warm white, cold white, dynamic white, and amber) and beam angle.

Outdoor-rated Designed to accommodate exterior environments, Shield AC XB's IP66 rating renders it a strong solution for exterior façade illumination.

Technical Specifications & Options

BEAM ANGLE	10° 20° 30° 40° 40° x 10°	
COLOR	RGB, Red*, Green*, Blue*, Amber*, Cold White, Warm White, Dynamic White*	
ENVIRONMENT	IP66	
LUMINOUS FLUX EFFICACY	**Wall Washer Shield AC XB-36**	**Liner Shield AC XB-27**
	RGB Luminous Flux[1]: 1114 lm (30° optics) Efficacy: 21 lm/W (30° optics)	RGB Luminous Flux[1]: 832 lm (40° x 10° optics) Efficacy: 20.8 lm/W (40° x 10° optics)
	Cold White (6500K) Luminous Flux[1]: 2583 lm (30° optics) Efficacy: 48.7 lm/W (30° optics)	Cold White (6500K) Luminous Flux[1]: 1909 lm (40° x 10° optics) Efficacy: 47.7 lm/W (40° x 10° optics)
	Warm White (2700K) Luminous Flux[1]: 1664 lm (30° optics) Efficacy: 31.4 lm/W (30° optics)	Warm White (2700K) Luminous Flux[1]: 1232 lm (40° x 10° optics) Efficacy: 30.8 lm/W (40° x 10° optics)

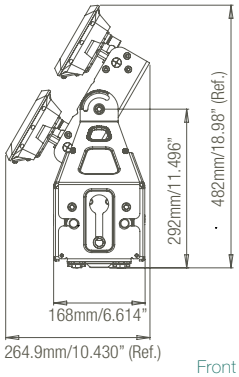
[1] Typical luminous flux value. Actual flux will vary according to optics used.

* Non standard item. Available on request.

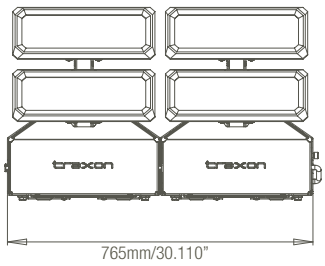
Crystal Hall, Baku, Azerbaijan | Christ the Redeemer Monument, Rio de Janeiro, Brazil | Trans Studio Bandung Roller Coaster, Bandung, Indonesia

Shield AC Extend

Side



Front



Shield AC Extend is the answer for high-brightness architectural illumination where precise, long-distance aiming is mandatory. The outdoor-rated Shield AC Extend, intended for wall washing and grazing on a massive scale, enables sophisticated bright light RGB output of more than 5500 lumens. Shield AC Extend's modular mounting frame system and adjustable LED head allows accurate beam positioning, even when projecting to great lengths. The simple connection system and long run length capability of up to 8 fixtures enable easy installation for large-scale lighting projects.

Powered by AC line voltage AC line voltage eliminates the need for remote LED engines, and allows the fixture to function up to 300 meters from its power source, with up to 8 fixtures per run.

Simple connection system By using standard daisy-chain topology, with combined power and data cable, the Shield AC Extend system simplifies wiring and lowers installation costs.

Independent adjustable LED head Adjustable LED head allows for flexible, precision aiming capable of pinpointing specific areas or features to be illuminated, or a rich, seamless distribution of light over expansive areas.

Outdoor-rated Designed to accommodate exterior environments where a rich, even wash or graze is necessary, Shield AC Extend's IP66 rating renders it a strong solution for exterior façade illumination.

Technical Specifications & Options

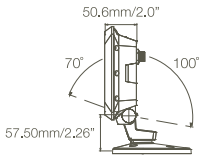
BEAM ANGLE	8°
COLOR	RGB · Cold White · Warm White
ENVIRONMENT	IP66
LUMINOUS FLUX EFFICACY	**Shield AC Extend** RGB Luminous Flux[1]: 5566 lm (8°) Efficacy: 26.5 lm/W Cold White Luminous Flux[1]: 13128 lm (8°) Efficacy: 62.5 lm/W Warm White Luminous Flux[1]: 9363.4 lm (8°) Efficacy: 44.6 lm/W

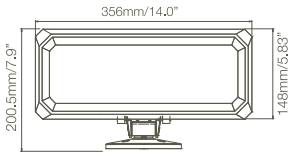
[1] Typical luminous flux value.

Brooklyn Academy of Music, Brooklyn, USA | Capital Gate, Abu Dhabi, UAE | Geolog Stadium, Tyumen, Russia

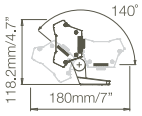
Wall Washer Shield XB
Liner Shield XB

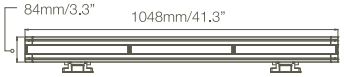
Wall Washer Shield XB-36





Liner Shield XB-27





The rugged and powerful Shield XB matches high-intensity LEDs with multiple customization options, to illuminate large-scale outdoor installations. The IP66-rated Shield XB is designed to withstand weather-changing environments, enabling uninterrupted delivery of a rich, even wash or graze projecting long distances, in a broad range of colors consisting of RGB, warm white, and cold white tones. It is equipped with an advanced heat dissipation system, which ensures improved operating temperatures resulting in a more stable, longer-lasting fixture.

Various customization options Shield XB customization choices include number of LEDs per fixture; LED color combinations (red, green, blue, warm white, cold white, dynamic white, and amber) and beam angle.

Durable fixture housing Designed to withstand intense water pressure, humidity, and environments of changing temperature, Shield XB's tough exterior maintains and protects its internal components to ensure uninterrupted bright light output and optimal functionality amidst outdoor elements.

Advanced heat dissipation mechanism Shield XB's internal heat management system results in higher fixture stability and longer LED lifetime with improved operating temperatures from -20°C to 60° C.

Built-in heat sensor A built-in heat sensor automatically reduces the fixtures' light output if Wall Washer Shield XB's temperature limit is reached, thus providing additional thermal safety (Wall Washer only).

Technical Specifications & Options

BEAM ANGLE	10° 20° 30° 40° 40° x 10°	
COLOR	RGB, Red*, Green*, Blue*, Amber*, Cold White, Warm White, Dynamic White*	
ENVIRONMENT	IP66	
LUMINOUS FLUX EFFICACY	**Wall Washer Shield XB-36**	**Liner Shield XB-27**
	RGB Luminous Flux[1]: 1114 lm (30° optics) Efficacy: 21 lm/W (30° optics)	RGB Luminous Flux[1]: 833 lm (40° x 10° optics) Efficacy: 20.3 lm/W (40° x 10° optics)
	Cold White (6500K) Luminous Flux[1]: 2583 lm (30° optics) Efficacy: 47.8 lm/W (30° optics)	Cold White (6500K) Luminous Flux[1]: 1835 lm (40° x 10° optics) Efficacy: 44.8 lm/W (40° x 10° optics)
	Warm White (2700K) Luminous Flux[1]: 1664 lm (30° optics) Efficacy: 30.8 lm/W (30° optics)	Warm White (2700K) Luminous Flux[1]: 1232 lm (40° x 10° optics) Efficacy: 30.4 lm/W (40° x 10° optics)

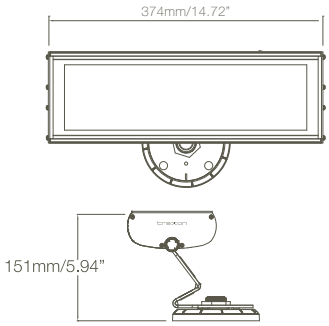
[1] Typical luminous flux value. Actual flux will vary according to optics used.

* Non standard item. Available on request.

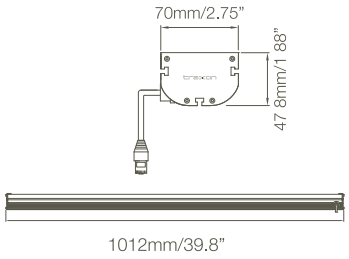
Siemens Building Technologies Division Headquarters' Car Park, Zug, Switzerland | WorldWide Plaza, New York City, USA | Railway Bridge, Warsaw, Poland

Wall Washer XB
Liner XB

Wall Washer XB-36



Liner XB-27



The compact yet powerful Wall Washer XB and Liner XB combine high-intensity LEDs and multiple customization options, to illuminate interior walls, exterior façades, and unique architectural details, with a rich, even wash or graze. Wall Washer XB and Liner XB are IP65-rated and ideal for sophisticated, concentrated bright light output in both interior and exterior environments, with a broad range of colors consisting of RGB, warm white, and cold white tones. An anodized aluminum finish acts as a natural heat dissipation system resulting in longevity of the fixture.

Various customization options XB's customization choices include number of LEDs per fixture; LED color combinations (red, green, blue, warm white, cold white, dynamic white, and amber) and beam angle.

Indoor and outdoor-rated Designed to accommodate both interior and exterior environments where a rich, even wash is necessary, XB's IP65 rating renders it strong enough for exterior façade illumination, yet refined enough for interior installations.

Advanced heat dissipation mechanism XB's internal heat management system results in higher fixture stability and longer LED lifetime with improved operating temperatures from -20°C to 50°C.

Built-in heat sensor A built-in heat sensor automatically reduces the fixtures light output if Wall Washer XB's temperature limit is reached, thus providing additional thermal safety (Wall Washer only).

Technical Specifications & Options

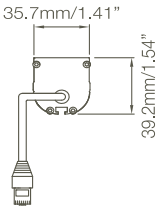
BEAM ANGLE	10° 20° 30° 40° 40° x 10°	
COLOR	RGB Red* Green * Blue * Amber * Cold White Warm White Dynamic White*	
ENVIRONMENT	IP65	
LUMINOUS FLUX EFFICACY	**Wall Washer XB-36**	**Liner XB-27**
	RGB Luminous Flux[1]: 1013 lm (30° optics) Efficacy: 18.8 lm/W (30° optics)	RGB Luminous Flux[1]: 830 lm (40° x 10° optics) Efficacy: 20.2 lm/W (40° x 10° optics)
	Cold White (6500K) Luminous Flux[1]: 2270 lm (30° optics) Efficacy: 42 lm/W (30° optics)	Cold White Luminous Flux[1]: 1639 lm (40° x 10° optics) Efficacy: 40.0 lm/W (40° x 10° optics)
	Warm White (2700K) Luminous Flux[1]: 1478 lm (30° optics) Efficacy: 27.4 lm/W (30° optics)	Warm White Luminous Flux[1]: 1188 lm (40° x 10° optics) Efficacy: 29.0 lm/W (40° x 10° optics)

[1] Typical luminous flux value. Actual flux will vary according to optics used.

* Non standard item. Available on request.

UNIQLO Ximen, Taipei, Taiwan | NM Lima Hotel, Lima, Peru | The Get Down, Baltimore, USA

Nano Liner XB



Sleek and slender, the discreet Nano Liner XB packs high-intensity LEDs into a slim, linear fixture that is unassuming yet powerful. Capable of fitting into the smallest of allowable spaces, Nano Liner XB casts bold, even light onto walls and other flat surfaces and can be discreetly hidden from view. With its numerous customization options, Nano Liner XB is ideal for enhancing interior environments with a broad range of colors including RGB, warm white, and cold white tones, where space is limited and high output is necessary.

Various customization options Nano Liner XB customization choices include number of LEDs per fixture; LED color combinations (red, green, blue, warm white, cold white, dynamic white, and amber) and beam angle.

Sleek, slim profile The slender fixture housing allows Nano Liner XB to fit into the smallest of installation spaces. Though small and easily hidden from view, Nano Liner XB continues to deliver a rich, even graze.

Technical Specifications & Options

BEAM ANGLE	10° 20° 30° 40° 40° x 10°
COLOR	RGB, Red*, Green*, Blue*, Amber*, Cold White, Warm White, Dynamic White*
ENVIRONMENT	INDOOR
LUMINOUS FLUX EFFICACY	**Nano Liner XB-27** RGB Luminous Flux[1]: 850.36 lm (40° x 10° optics) Efficacy: 20.7 lm/W (40° x 10° optics) Cold White Luminous Flux[1]: 1558.2 lm (40° x 10° optics) Efficacy: 38 lm/W (40° x 10° optics) Warm White Luminous Flux[1]: 1221.2 lm (40° x 10° optics) Efficacy: 30.0 lm/W (40° x 10° optics)

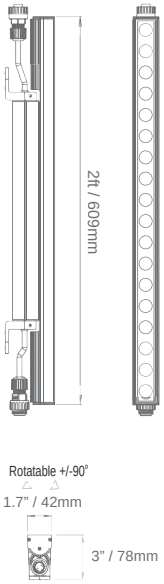
[1] Typical luminous flux value. Actual flux will vary according to optics used.

* Non standard item. Available on request.

Holmenkollen, Oslo, Norway | Subsuelo Bar, Pamplona, Spain | T.C. Ziraat Bank Headquarters, Ankara, Turkey

Nano Liner Allegro AC XB

Nano Liner Allegro AC XB-18



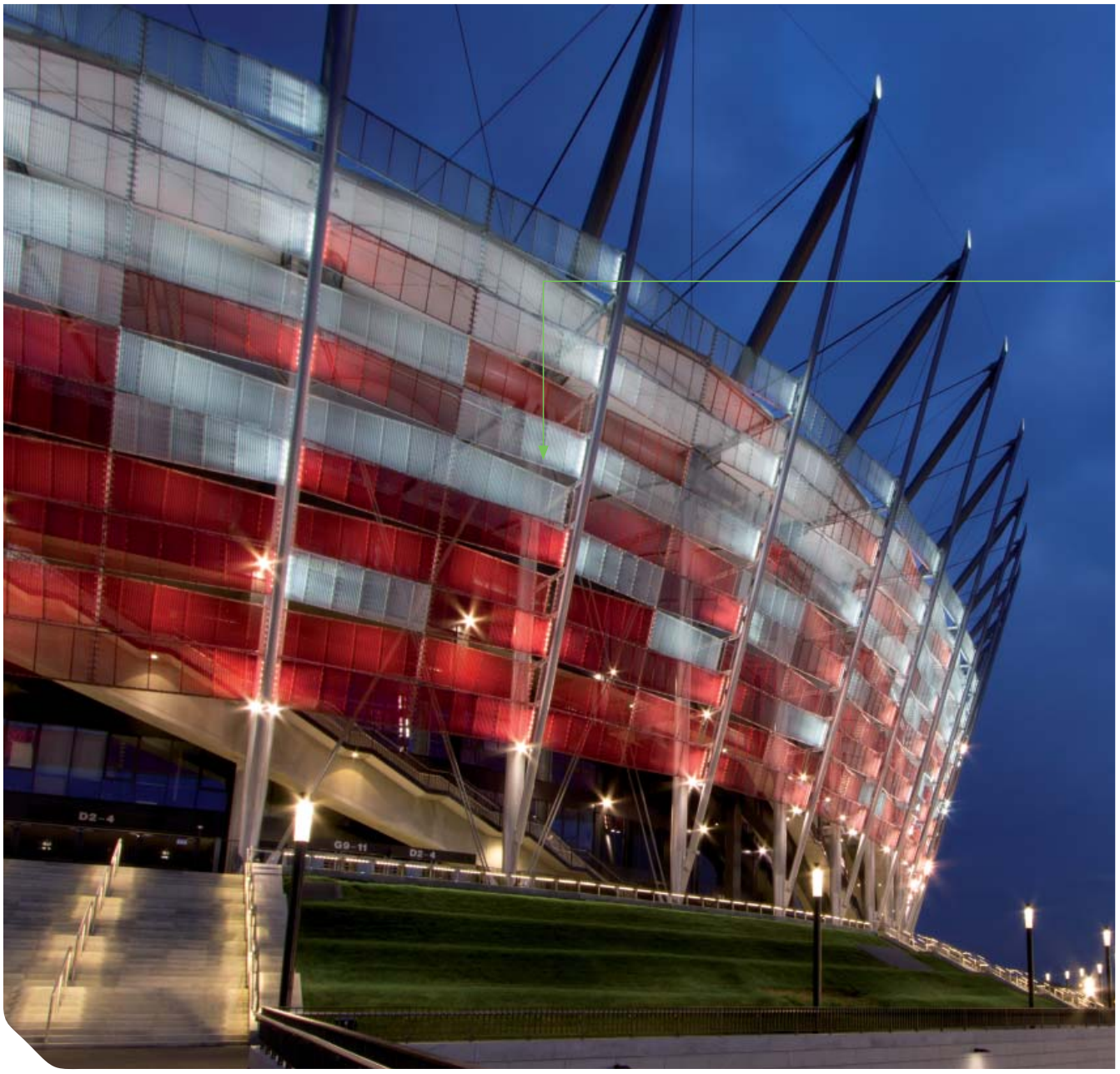
Nano Liner Allegro AC XB is a high output, energy efficient, ultra slim linear lighting solution for outdoor environments. Powered directly with AC line voltage, the slender Nano Liner Allegro AC XB is ideal for many types of exterior architectural, retail, and hospitality applications. Equipped with flicker-free phase cut dimming capabilities[1], it offers a broad range of colors including RGB[2], three (white) CCT options, and Dynamic White[2], four fixture lengths, and two beam spreads, making it suitable for a wide range of wall grazing, linear, and indirect illumination where a cost-effective, low-profile solution is required. Nano Liner Allegro AC XB's simple Plug'n'Play cabling and connection make installation quick and easy, even in small spaces.

Powered by AC line voltage AC line voltage (120V / 230V) eliminates the need for external power supplies and enables extended run lengths up to 50 feet (120V) or up to 80 feet (230V).
High output and efficacy 23 lm/W (RGB); 60 lm/W (3000K); 65 lm/W (4000K); and 84 lm/W (6500K), 300 lumens per foot (RGB version) and 635-865 lumens per foot at 11 watts per foot (white versions).
Multiple color options Controlled via DMX512, the extremely efficient RGB[2] LEDs are capable of producing a dynamic range of 16.7 million colors to create nearly any imaginable illumination scenario. Three white options with dedicated color temperatures including 3000K, 4000K, 6500K, and Dynamic White[2] lend sophisticated ambiance to various outdoor environments.
Multiple fixture lengths Available in one-foot, two-foot, three-foot, and four-foot lengths, Nano Liner Allegro AC XB easily accommodates varying installation space requirements.
Phase cut dimming[1] Nano Liner Allegro AC XB's three white product versions offer 5% - 100% dimming resolution without flickering.
Flexible aiming The product is equipped with a 180° rotation axis for flexible beam aiming.
Two beam options 40° and 50° x 10° spreads offer gentle illumination or more focused grazing.
Simple cabling and connection Nano Liner Allegro AC XB's simple Plug'n'Play connection can be daisy-chained, enabling easy installation and lowering maintenance costs.

Technical Specifications & Options

BEAM ANGLE	40° ; 50° x 10°
COLOR	RGB; 3000K Warm White; 4000K Neutral White; 6500K Cold White; Dynamic White[2]
ENVIRONMENT	IP66
LUMINOUS FLUX EFFICACY	White Luminous Flux: 635 - 865 lm/ft Efficacy : 60 - 84 lm/W
	RGB Luminous Flux: 300 lm/ft Efficacy : 23 lm/W

[1]Phase cut dimming available in white version only
[2]Release in Autumn 2013!



National Stadium

Located in Warsaw, Poland, National Stadium is a first class venue that is capturing the world's attention. The stadium's distinctive façade is characterized by structural mesh panels which conceal over 1,700 custom Traxon Liner Shield AC XB-36 fixtures in specially designed housing, and on 72 beams around the stadium. The fixtures were customized with various beam angles and aimed precisely during installation to allow uniform illumination. National Stadium's façade is controlled by Lighting Control Engine 2s (LCE2s) and Butler S2s, which interface with the stadium's building management system. The intelligent solution transforms the stadium exterior into a static or dynamic sequence of bold, moving patterns and graphical announcements.

System Solution

Liner Shield
AC XB-36

Wall Washer
Shield AC XB-36

DMX512

Butler S2

Lighting Control Engine 2
(LCE2)

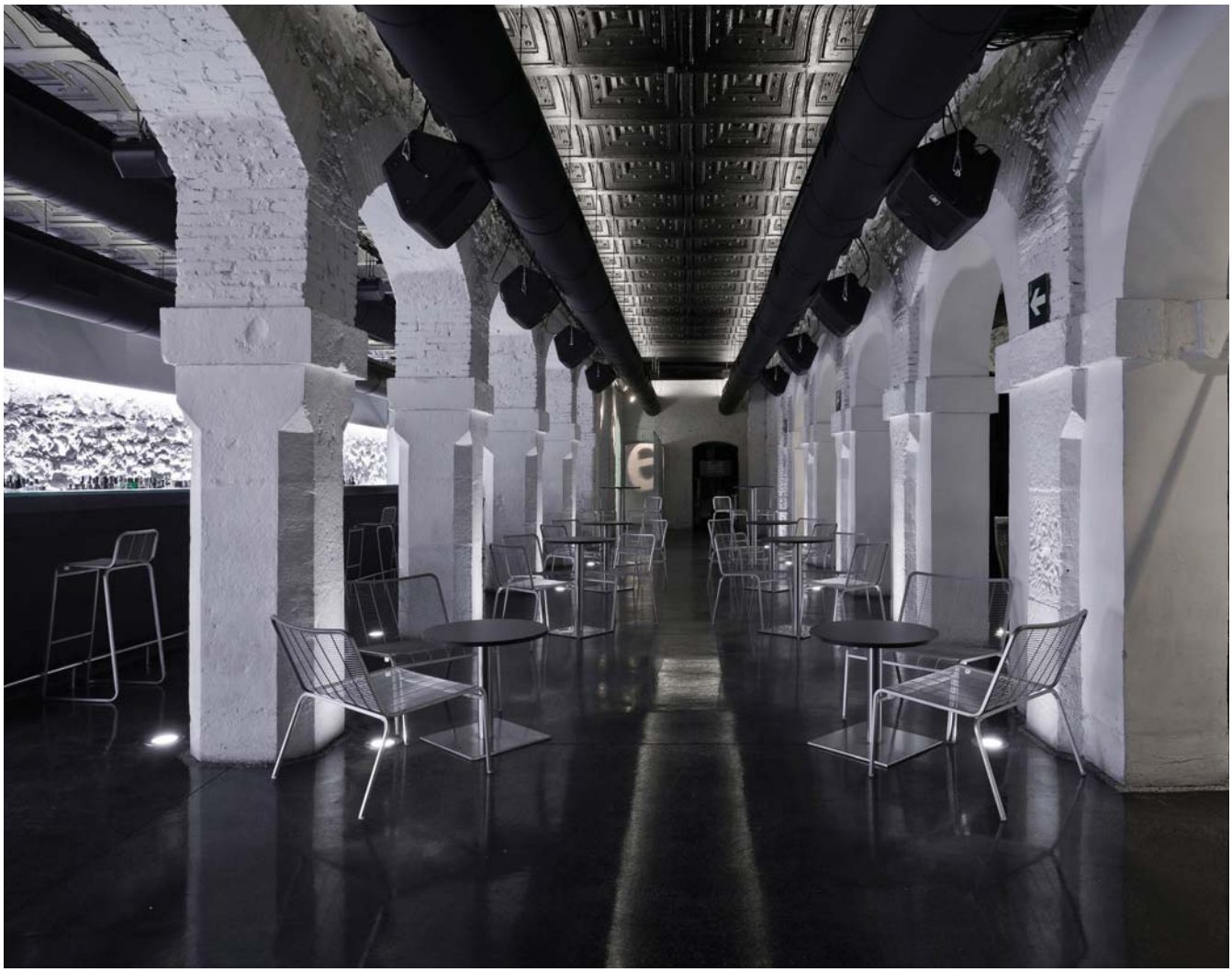
Lighting Application Suite (LAS)

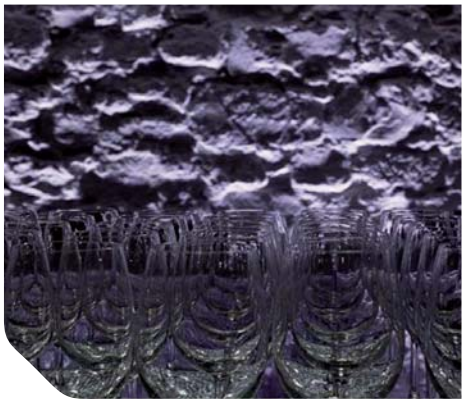
Control

Student Dorm "Lightpole", Offenbach, Germany

Ambiance & Accent Overview

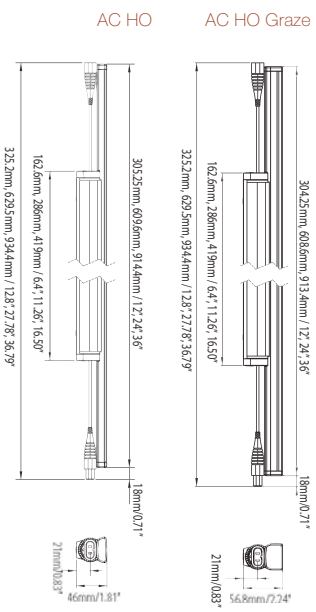
Ambiance & Accent solutions dynamically enhance environments of any size and complexity. Low-profile design allows easy installation in nearly any location giving these unassuming fixtures the ability to impact the mood of any space, in an elegant and unobtrusive manner. The Ambiance & Accent line is auto-addressable for quick set up, regardless of the scale of installation.





Subsuelo Bar, Pamplona, Spain

Cove Light AC HO / HO Graze



Cove Light AC HO/ HO Graze (high output) is superiorly bright and extremely efficient. Powered directly with AC line voltage, Cove Light AC HO/ HO Graze is suitable for a wide range of wall washing, accent, and indirect lighting applications in architectural, hospitality, and retail environments. Offering superior brightness and higher efficacy at a competitive price, Cove Light AC HO/ HO Graze is ideal for projects that require energy efficiency. Additionally, the product is equipped with phase cut dimming capabilities without flickering. Its simple Plug'n'Play cabling and connection make installation quick and easy.

Powered by AC line voltage AC line voltage (120V – 277V) eliminates the need for external power supplies and enables extended run lengths.
High output and efficacy Light output of 656-744 lumens per foot, and an efficacy of 60 lm/W (2700K) or 68 lm/W (4000K) while consuming 11 watts per foot.
Wide range of CCT output Highly efficient LEDs output a variety of dedicated color temperatures ranging from comforting hues of warm (2700K, 3000K, 3500K), over neutral white (4000K) to cold white (6500K[1]).
Multiple fixture lengths Available in one-foot, two-foot, and three-foot increments, Cove Light AC HO easily accommodates varying installation space requirements.
Phase cut dimming Fixtures offer 5% - 100% dimming resolution without flickering.
Flexible aiming Cove Light AC HO/ HO Graze is equipped with a 180° rotation axis and rotations in 10° increments for flexible aiming.
Four beam options Wide beam version offers 120° x 120°. Narrow beam versions 120° x 55°, 40° and 50° x 10° offer gentle illumination or more focused grazing.
Simple cabling and connection Cove Light AC HO/ HO Graze can be daisy-chained up to 50 feet (120V), 100 feet (220V) or up to 130 feet (277V) per power run and is connectable with Plug'n'Play topology thus enabling easy installation and lowering maintenance costs.
Superior binning With superior fine binning, every of these special fixtures provides high-quality and ultra consistency of linear light.

Technical Specifications & Options

BEAM ANGLE	40° · 50° x 10° · 120° x 120° · 120° x 55°
COLOR TEMPERATURE	2700K Warm White · 3000K Warm White · 3500K Warm White · 4000K Neutral White · 6500K Cold White[1]
ENVIRONMENT	INDOOR
LUMINOUS FLUX[2]	656 lm - 744 lm
EFFICACY[2]	60 lm/W - 68 lm/W

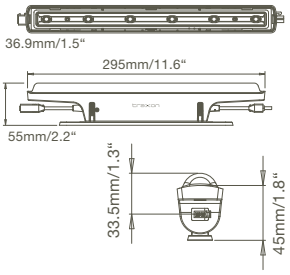
[1] 6500K available on request
[2] Range is respective to color temperature from 2700K - 4000K. See technical specification sheet page for details.

BASF, Florham Park, NJ, USA | Galeries Lafayette “La Coupole”, Paris, France | Al Gurg Trading & Projects Office, Dubai, UAE

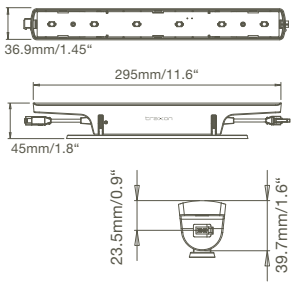
Cove Light AC/AC Dim

Cove Light AC/AC Dim

100° x 55°



135° x 135°



Cove Light AC/AC Dim are highly efficient and extremely versatile. Powered directly with line voltage and compatible with and controlled by leading/trailing edge phase-cut dimmers, Cove Light AC/AC Dim are suitable for a wide range of applications in architectural, hospitality, and residential environments for general lighting, wall washing, and alcove illumination. They are a cost efficient, energy smart solution, with a high output of 315 – 450 lumens per foot for warm white and cold white applications, making it a versatile tool for ambient lighting scenarios.

Powered by AC line voltage AC line voltage eliminates the need for external power supplies and enables extended run lengths.

Two beam options The open beam version offers an ultra wide beam angle of 135° x 135°. An integrated reflector design allows a focused 100° x 55° beam spread.

Wide range of CCT output Highly efficient LEDs output a variety of dedicated color temperatures ranging from a crisp 6500K, to comforting hues of warm (2700K, 3000K, 3500K), and neutral (4000K) white.

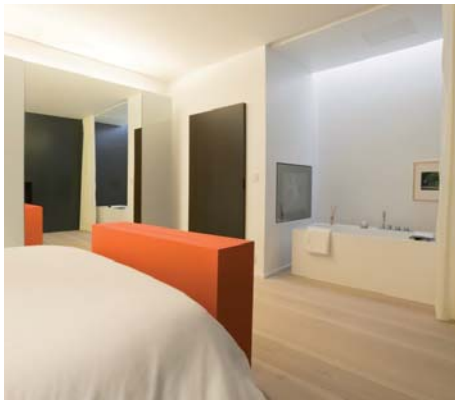
Flexible aiming Cove Light AC/AC Dim are equipped with a 180° rotation axis and locking rotations in 5° increments for flexible aiming.

Daisy-chain topology, simple cabling and connection Cove Light AC/AC Dim can be daisy-chained up to 75 units (110V) or up to 150 units (220V) per power run and is connectable with Plug’n’Play topology thus enabling easy dimming without additional wiring control, and lowering installation and maintenance costs.

Technical Specifications & Options

BEAM ANGLE	100° x 55°  135° x 135° 
COLOR TEMPERATURE	2700K Warm White[1] · 3000K Warm White · 3500K Warm White · 4000K Neutral White · 6500K Cold White[1]
ENVIRONMENT	INDOOR
LUMINOUS FLUX	339 lm - 454 lm (135° x 135°), 313 lm - 435 lm (100° x 55°)
EFFICACY	48 lm/W - 65 lm/W
DIMMING	Compatible with leading/trailing edge phase-cut dimmers[2]

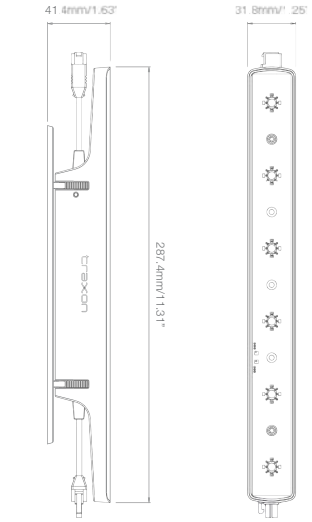
[1] Non standard item. Available on request.
[2] Check compatible dimmer list at www.traxontechnologies.com

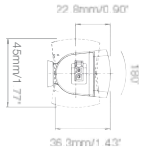


DOMO Showroom, Paris, France

Cove Light AC HE

Cove Light AC HE





Cove Light AC HE is the model of efficient simplicity. This highly energy and cost-efficient solution is a strong alternative to traditional linear incandescent or fluorescent ambiance and alcove lighting options. Cove Light AC HE's low profile, AC line voltage and daisy chain topology allow for up to 150 units per power run at 110V, and 300 units per power run at 220V. Paired with an ultra wide beam spread of 120° x 120°, it is suitable for interior architectural, hospitality, retail, and even residential applications where rich, white wall washing and glowing alcoves are required. Additionally, Cove Light AC HE offers an approximate 30% higher lumen output and 25% higher efficacy than similar competitor products.

Extremely Efficient Cove Light AC HE is a high output, low energy fixture offering an efficacy of 56 to 65 lumens per watt and uses 3.1 watts per foot.

Powered by AC line voltage AC line voltage eliminates the need for external power supplies and enables daisy-chain topology for extended run lengths of up to 150 units per power run at 110V, and 300 units per power run at 220V.

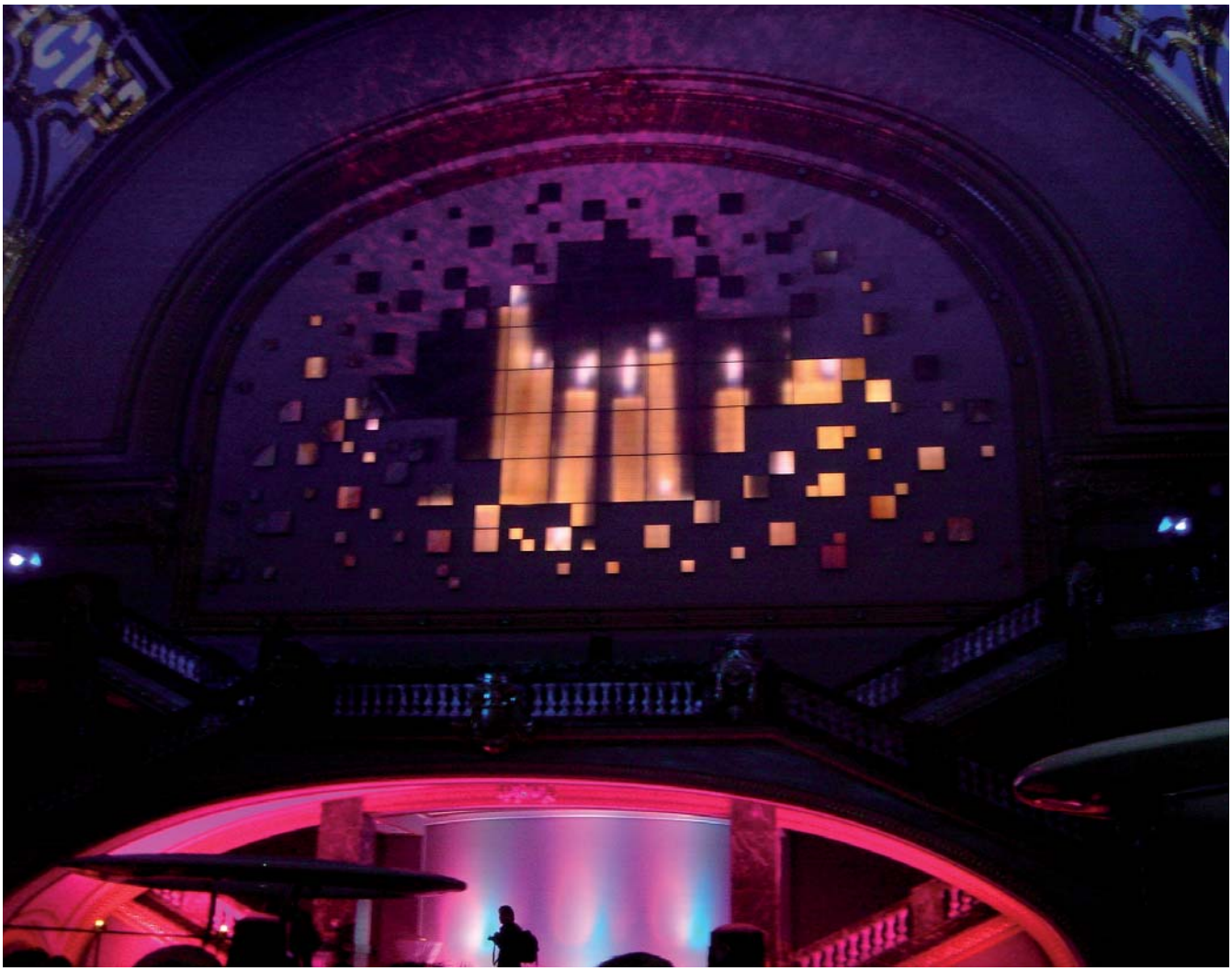
Three color temperatures Highly efficient LEDs output a variety of three color temperatures ranging from comforting hues of warm (2700K, 3000K) to neutral (4000K) white

Ultra wide bream spread An open beam spread of 120° x 120° enables low mixing distance for the cove height.

Flexible aiming Cove Light AC HE is equipped with a 180° rotation axis and locking rotations in 5° increments for flexible aiming.

Technical Specifications & Options

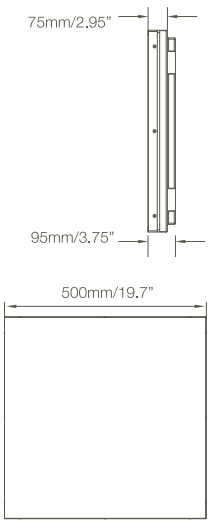
BEAM ANGLE	120° x 120°
COLOR TEMPERATURE	2700K Warm White; 3000K Warm White; 4000K Neutral White
ENVIRONMENT	INDOOR
LUMINOUS FLUX	185 lm - 215 lm
EFFICACY	56 lm/W - 65 lm/W



Antwerp Stadsfeestzaal, Antwerp, Belgium | Bar Blanco, Rayleigh, Essex, United Kingdom | Miramar Shopping Mall, Hong Kong, China

64PXL Mirror Wash RGB
256PXL Mirror Wash RGB*

64PXL/256PXL Mirror Wash RGB



Traxon's 64PXL/256PXL Mirror Wash RGB, masked with a special semi-transparent tempered glass mirror, transforms into a signature design statement. This unique LED panel provides an elegant, technologically advanced canvas for graphics and video, to accent an array of indoor environments. Its 64/256 individually-addressable RGB pixels and intelligent processor create a fusion effect, allowing the display to seamlessly transition between complex images and colors, enhancing and evoking emotion in any space. 64PXL/256PXL Mirror Wash RGB is controllable by DMX512 and e:pix/DVI input signals. Smart Chip technology and intelligent software allow for flexible control.

Dual elegance Combining the radiance of reflection and light, the 64PXL/256PXL Mirror Wash RGB appears as a normal mirror when powered off. When switched on, custom designs shine in over 16 million colors.

Easy Installation Mirror panels are easily joined to create scalable, dramatic installations. Integrated mounting clips allow for direct or DIN rail mounting (TS-35).

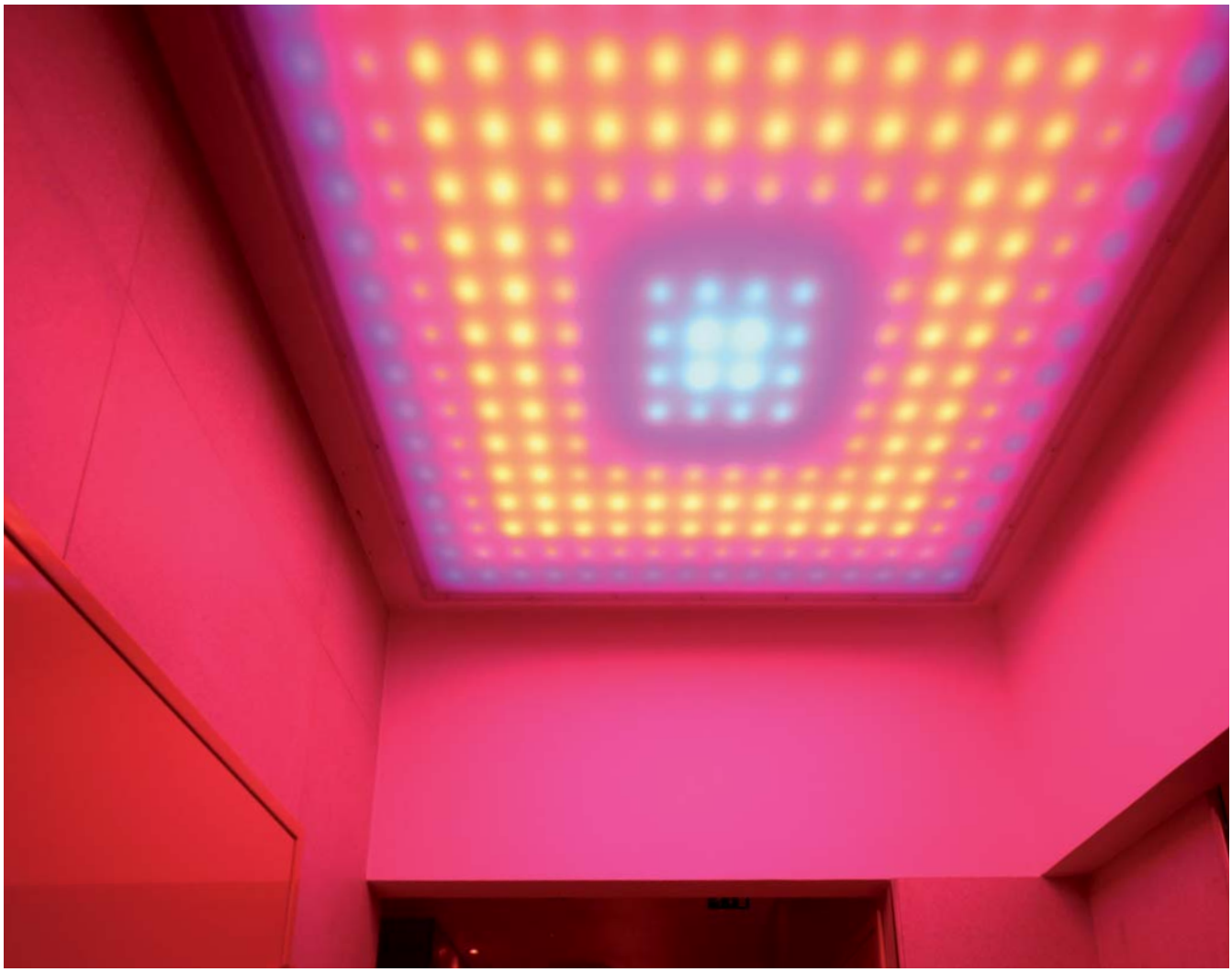
Simple connection with TX CONNECT® Power and data are combined into one cable with the simple TX CONNECT®, a universal system that enables Plug'n'Play set up.

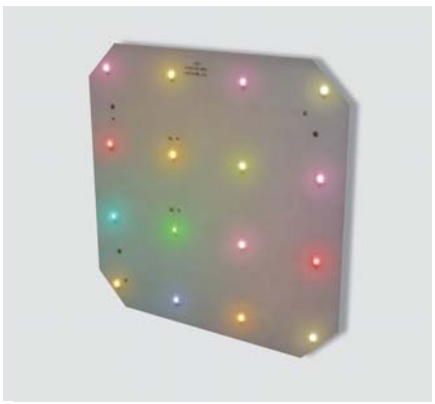
Smart Chip technology Each of the 64/256 pixels is auto-addressable and easily configured.

Technical Specifications & Options

COLOR	RGB
ENVIRONMENT	INDOOR

* Non standard item. Available on request.

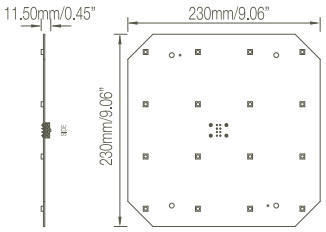




Atlantide Sauna, Paris, France | Akmerkez Shopping Mall, Istanbul, Turkey | Subaru, Tokyo, Japan

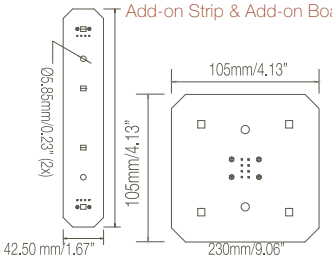
16PXL Board RGB
Add-on Board & Add-on Strip

16PXL Board RGB



16PXL Board RGB creates visual intrigue with a sleek matrix of light. Capable of static or animated, low-resolution graphics and video replay, 16PXL Board RGB provides functional lighting or decorative illumination for a variety of indoor scenarios. Equipped with 16 ultra-bright, auto-addressable surface mounted LEDs,16PXL Board RGB is ideal when mounted behind diffusion materials such as stretched canvas, or semi-translucent solids, which soften and spread its colorful output, adding depth and accent to indoor environments. Additionally, an Add-on Board and Add-on Strip of the same pixel pitch and wide beam angle are available to extend 16PXL Board's light beyond its fixed dimensions.

Add-on Strip & Add-on Board



Medium pixel pitch, wide beam angle 16PXL Board RGB offers a 62.5mm pixel pitch and a beam angle of 120°, making them efficient tools for low resolution graphics, text, and video replay on varying levels of complexity.

Low-profile, light-weight design Board's design offers a wide range of installation possibilities, including applications on ceilings and inside floors.

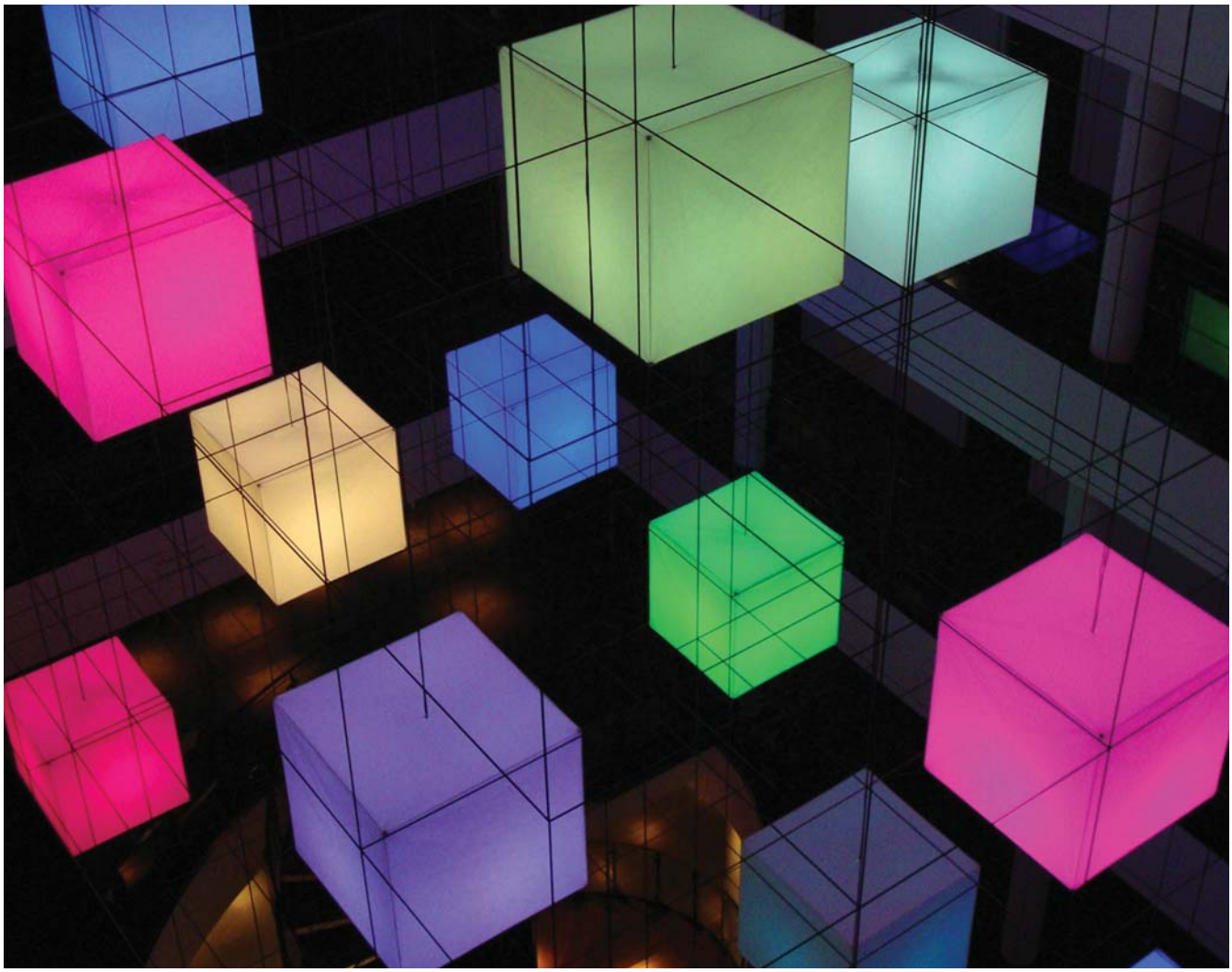
Add-on Board and Add-On Strip A 4PXL Add-on Strip and a 4PXL Add-on Board of the same pixel pitch and wide beam angle, extend 16PXL Board's ability to adapt into installations of any dimension. Add-ons fill the small spaces not covered by the full Board, ensuring complete coverage for medium-resolution media scenarios. They can also be used separately as small, more scalable pieces.

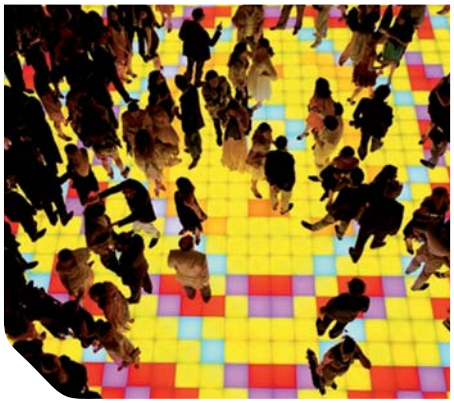
Simple connection with TX CONNECT® Smart Power and data are combined into one cable with the simple TX CONNECT® Smart, a universal system that enables Plug'n'Play set up.

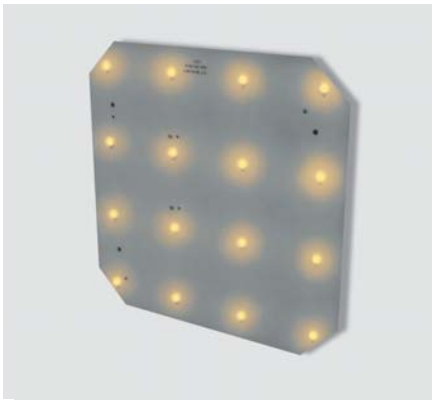
Smart Chip technology Each of the 16 pixels are auto-addressable and easily configured.

Technical Specifications & Options

	16PXL Board RGB	4PXL Add-on Board & Add-on Strip
BEAM ANGLE	120°	120°
COLOR	RGB	RGB
ENVIRONMENT	INDOOR	INDOOR



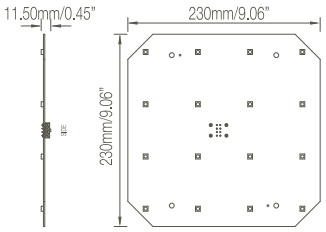




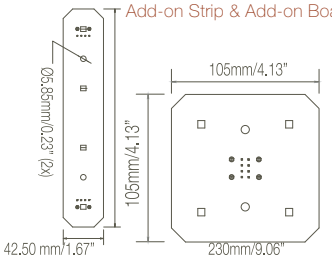
Cube Chandelier, Zwolle, The Netherlands | Palazzo Grassi Museum, Venice, Italy | Pachinko ZAP Ofuna Hall, Kanagawa, Japan

1PXL Board
Add-on Board & Add-on Strip

1PXL Board RGB



Add-on Strip & Add-on Board



1PXL Board transforms a variety of environments with a rich, ambient glow. Intelligent and unobtrusive, the low-profile matrice of light is capable of static or animated low-resolution graphics, providing decorative illumination and stunning backlighting for a variety of indoor scenarios. Equipped with 16 ultra-bright, auto-addressable surface mounted LEDs, 1PXL Board is ideal when mounted behind diffusion materials such as stretched canvas, or semi-translucent solids, which soften and spread its colorful output, adding depth and accent to indoor environments. Each 1PXL Board is addressed as one single16 source pixel within an installation. Additionally, an Add-on Board and Add-on Strip of the same pixel pitch and wide beam angle are available to extend 1 PXL Board's light beyond its fixed dimensions.

Medium pixel pitch, wide beam angle 1PXL Board offers a 62.5 mm pixel pitch and a wide beam angle of 120°, making them efficient tools for low resolution graphics, decorative illumination, or stunning backlighting on varying levels of complexity.

Various color options 1PXL Board is available in RGB, warm white, and cold white options, to accommodate dramatic color and white installations. To further a dramatic and customizable effect, a dynamic white option is available, which allows the user to tune various white temperatures from warm to cold, thus achieving the flawless white of their choosing.

Low-profile, light-weight design 1PXL Board's design offers a wide range of installation possibilities, including applications on ceilings and inside floors.

Add-on Board and Add-On Strip A 4PXL Add-on Strip and a 4PXL Add-on Board of the same pixel pitch and wide beam angle, extend 1PXL Board's ability to adapt into installations of any dimension. These Add-ons feature dipswitches on their reverse side which, when toggled, allow each Add-on to be addressed as a single pixel. Add-ons fill the small spaces not covered by the full Board, ensuring complete coverage for medium-resolution media scenarios. They can also be used separately as small, more scalable pieces.

Simple connection with TX CONNECT® Smart Power and data are combined into one cable with the simple TX CONNECT® system, a universal system that enables Plug'n'Play set up.

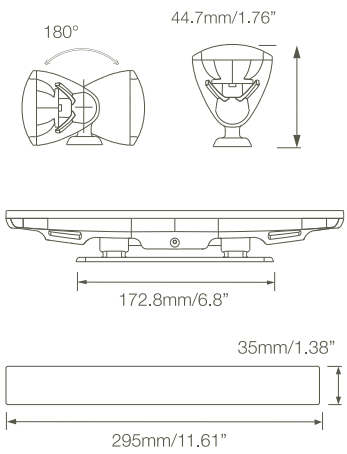
Technical Specifications & Options

	1PXL Board	**4PXL Add-on Board & Add-on Strip**
BEAM ANGLE	120°	120°
COLOR TEMPERATURE	RGB, Cold White, Warm White, Dynamic White	RGB
ENVIRONMENT	INDOOR	INDOOR

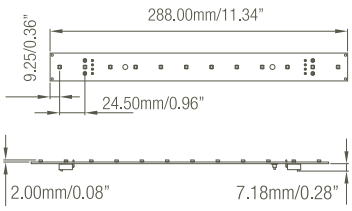
TV Today Network Studio, Noida, India | Pitt Street Mall, Sydney, Australia

1PXL Cove Light XR
1PXL Strip

1PXL Cove Light XR



1PXL Strip



1PXL Cove Light XR and 1PXL Strip elegantly enhance and detail installations of any size. Whether adding a subtle glow to an alcove or soffit, or drawing attention to significant architectural detail, 1PXL Cove Light XR and 1PXL Strip provide a concentrated, low-profile accent to interior installations. Equipped with 12 ultra-bright, auto-addressable surface mounted LEDs, the 1PXL Cove Light XR's acrylic casing refines it for direct view. Its generous 180-degree locking rotation allows for flexible aiming and easy installation. Similar to the Cove Light XR but without the acrylic casing, 1PXL Strip features 12 ultra-bright, auto-addressable surface mounted LEDs, and is optimal when mounted behind diffusion materials such as stretched canvas, or in reflective alcoves and soffits.

Wide beam angle 1PXL Cove Light XR and 1PXL Strip offer a wide beam angle of 120°, making them efficient tools for decorative illumination, stunning backlighting, or highlighting of unique architectural detail on varying levels of complexity.

Various color options 1PXL Cove Light XR and 1PXL Strip are available in RGB, warm white, and cool white options to accommodate diverse color and white installations. To further a dramatic and customizable effect, a dynamic white option is available, which allows the user to tune various white temperatures from warm to cold, thus achieving the flawless white of their choosing.

Low-profile, light-weight design 1PXL Cove Light XR and 1PXL Strip's design offers a wide range of installation possibilities including inside narrow coves, behind soffit edges, and along corridors for way-finding.

Direct-view and easy installation A transparent acrylic cover and white ABS back case house the 1PXL Cove Light XR's high-intensity LEDs. Its 180-degree locking rotation ensures simple installation and flexible aiming. This sturdy yet refined fixture is ideal for direct view applications. (1PXL Cove Light XR only)

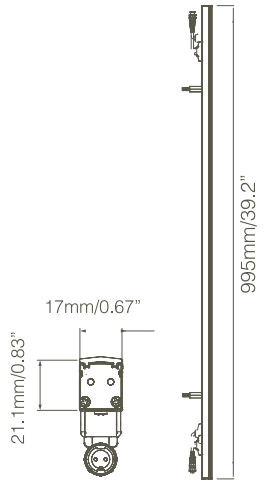
Simple connection with TX CONNECT® Smart Power and data are combined into one cable with the simple TX CONNECT® system, a universal system that enables Plug'n'Play set up.

Technical Specifications & Options

	1PXL Cove Light XR	**1PXL Strip**
BEAM ANGLE	120°	120°
COLOR	RGB, Cold White, Warm White, Dynamic White	RGB, Cold White, Warm White, Dynamic White
COLOR TEMPERATURE	7000K – Cold White 3500K – Warm White	7000K – Cold White 3500K – Warm White
ENVIRONMENT	INDOOR	INDOOR

Maillart Bridge, Aarburg, Switzerland | EVO Crane, Offenbach, Germany | Student Dorm “Lightpole”, Offenbach, Germany

Monochrome Tube



Contours of warm white or cold white light impose a magnetic attraction to linear details in interior and exterior environments. Monochrome Tube distinguishes façades, walls, and borders with a concentrated, even radiance due to its front diffuser. Compact, low-profile design available in three different lengths, combined with project-specific mounting options allows the Monochrome Tube to meet rigorous application demands. For installations of varying size, the Monochrome Tube offers flexibility and lends vitality to any project.

Sleek, slim profile The slender fixture housing allows Monochrome Tube to fit into the smallest of installation spaces. Though small and easily hidden from view, Monochrome Tube continues to deliver even strips of white light.

Three fixture lengths Available in three different lengths (500 mm; 995 mm; 1490 mm) Monochrome Tube accommodates a wide variety of required installation spaces.

Optional dimming Monochrome Tube may be dimmed via DMX512 through pulse-width modulation (DMX2PWM).

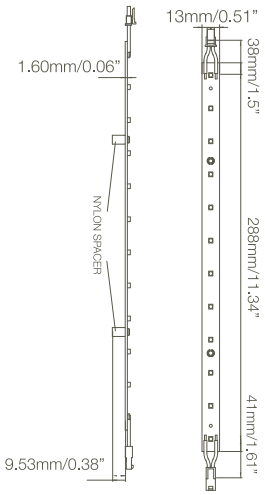
Daisy-chain topology and simple cabling Monochrome Tube can be daisy-chained up to 12m per power run, lowering installation and maintenance costs.

Simple connection system Plug’n’Play topology simplifies wiring and lowers installation costs.

Technical Specifications & Options

COLOR	Cold White, Warm White
COLOR TEMPERATURE	5700K – Cold White 2700K – Warm White
ENVIRONMENT	IP66

Monochrome Strip



In crisp shades of warm white or cold white light, Monochrome Strip enriches the impact of interior architectural elements. A simple on/off solution, Monochrome Strip employs 12 surface mounted LEDs to cast an even, high-intensity glow. The fixture's ultra-slim profile and low installation height enables integration into restrictive spaces, and Monochrome Strip's interconnection feature facilitates daisy-chaining for a continuous strand of light in niches, coves, or walkways.

Sleek, slim profile The slender fixture housing allows Monochrome Strip to fit into the smallest of installation spaces. Though small and easily hidden from view, Monochrome Strip continues to deliver even strips of white light.

Optional protective housing To ensure advanced protection if necessary, an over-strip housing is available.

Daisy-chain topology and simple cabling Monochrome Strip can be daisy-chained up to 4.4 m per power run, lowering installation and maintenance costs.

Simple connection system On/off Plug'n'Play system simplifies wiring and installation.

Technical Specifications & Options

BEAM ANGLE	120°
COLOR	Cold White, Warm White
COLOR TEMPERATURE	7000K – Cold White 3500K – Warm White
ENVIRONMENT	INDOOR

David H. Koch Theater, Lincoln Center

Located in New York's historic and renowned Lincoln Center, the David H. Koch Theater lobby ticket windows feature a glowing Corian wall. This clean and crisp installation is surfaced with custom cut Corian diffusion, which tells the theatre's story in elegance and style. To set a mood of sophistication, over 560 Traxon 1PXL Board Warm White illuminate the interior of the corrugated Corian panel cut precisely to give the illusion of an opera scene when viewed from one angle, and a ballet scene when viewed from the other, both in photographic grey scale. An e:cue Butler S2 and Butler XT2 allow for flawless switching of the installation.

System Solution

Optional Glass Touch

1PXL Board Warm White

DMX512

Power

Butler XT2

Lighting Application Suite (LAS)

Control

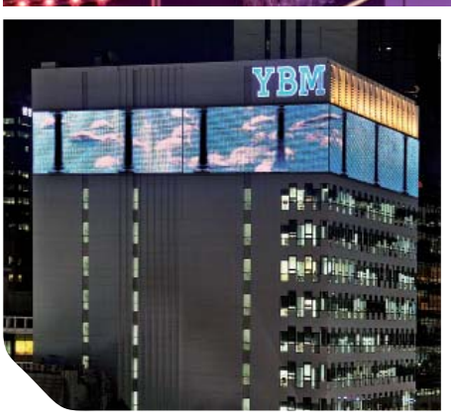
LED Engine Smart 300 W

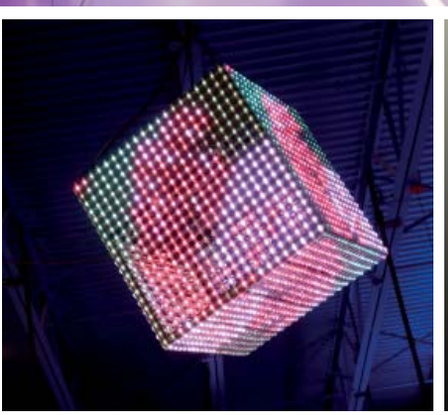
Power

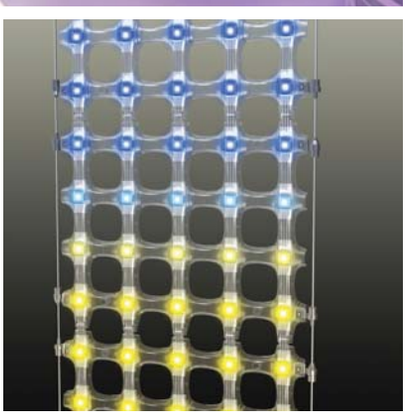
La Géode, Paris, France

Media & Façade Solutions Overview

Media & Façade Solutions make graphics, text, and video come to vibrant life. The answer for scalable applications where elegant display must accommodate various resolutions or challenging surfaces, Media & Façade systems can be applied as aesthetic enhancements or used as functional messaging tools to transform interior and exterior surfaces into works of art. Paired with sophisticated software for maximum control capability of even the most intricate scenarios, these solutions reinvent the large-scale media experience.

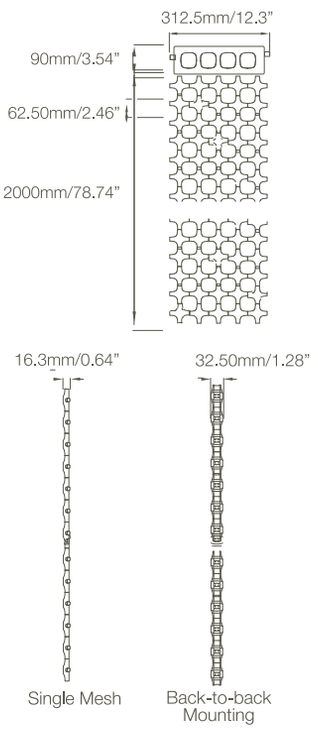






IBM Showroom, Roma, Italy | YBM GangNam Center, Seoul City, South Korea | FireKeepers Casino, Battle Creek, USA

Mesh



Mesh systems reinvent the large-scale media experience. The sophisticated, scalable, semi-transparent LED system elegantly transforms any surface into a brilliant palette for graphics, text, and video animations in full color (RGB), warm white, or cold white options. Mesh's semi-transparent, durable yet flexible structure, allows it to adapt to many surfaces in various applications, in both indoor and outdoor environments. Its acrylic grid system can also be mounted back-to-back for dual displays, allowing bright graphics to shine, and natural light to pass through without obstructing a view or diminishing an open-area concept. Mesh is controllable by DMX512 and e:pix/DVI input signals, and Smart Chip technology and intelligent software allow maximum control of even the most intricate media scenarios.

Flexible, semi-transparent acrylic grid Mesh's 70% transparent, durable structure allows it to be used as a room divider, placed against glass, or installed on an irregular plane.

Back-to-back mounting capability Mesh can also be connected back-to-back for dual media displays under separate control, allowing natural light to pass through and without obstructing a view or diminishing an open-area concept.

Low-to-medium resolution Each Mesh unit is comprised of eight hinged acrylic grids, totaling 160 individually-controllable LED nodes allowing low-to-medium resolution large-scale graphics, text, and video animations.

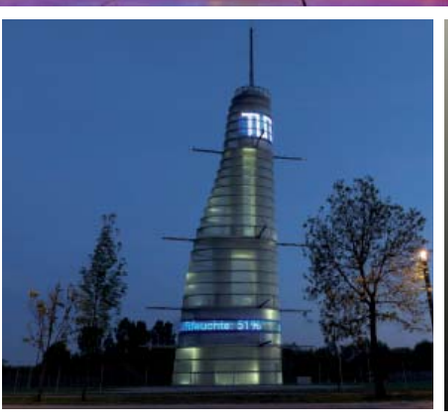
Outdoor-rated Mesh is IP67-rated, UV-resistant, and designed to withstand outdoor elements, rendering it a reliable solution for both indoor and outdoor environments.

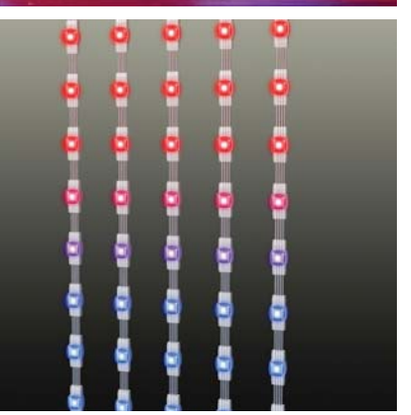
Smart Chip technology Each Mesh pixel is auto-addressable and easily configured.

Technical Specifications & Options

BEAM ANGLE	120°
COLOR	RGB · Cold White* · Warm White*
ENVIRONMENT	Pixel Distributor: IP66 · Mesh Unit: IP67
BRIGHTNESS	600 cd/m^2

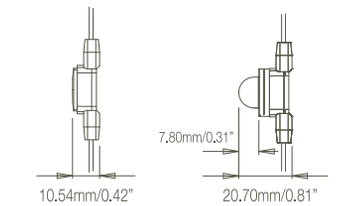
* Non standard item. Available on request.

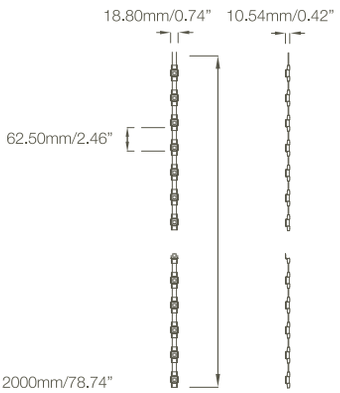




Priscilla Queen of the Desert The Musical, New York City, USA | Air Navigation Tower, Batumi, Georgia | Oskar-von-Miller-Tower, Munich, Germany

String





String systems accomplish complex, unconventional media configurations with intelligence and style. Sophisticated, scalable, String systems alter and enhance architectural, retail, and hospitality environments adding unexpected character to classic scenarios. Available in full color (RGB), warm white, or cold white options and with or without a diffuser dome, String gracefully incorporates graphics, text, and video into various, irregular surfaces, resulting in unordinary media displays never before possible. String is controllable by DMX512 and e:pix/DVI input signals, and Smart Chip technology and intelligent software allow maximum control of even the most intricate media scenarios.

Flexible mounting capability String systems are not confined to a rigid, pre-determined form or structure, and can therefore accommodate a variety of irregular surfaces, planes, and configurations. The String system is direct surface or DIN rail mountable.

Low-to-medium resolution Each unit is comprised of five durable Strings, each consisting of 32 pixels, totaling 160 individually-controllable LED nodes per set, allowing low-to-medium resolution graphics, text, and video animations. String is available with or without a diffuser dome.

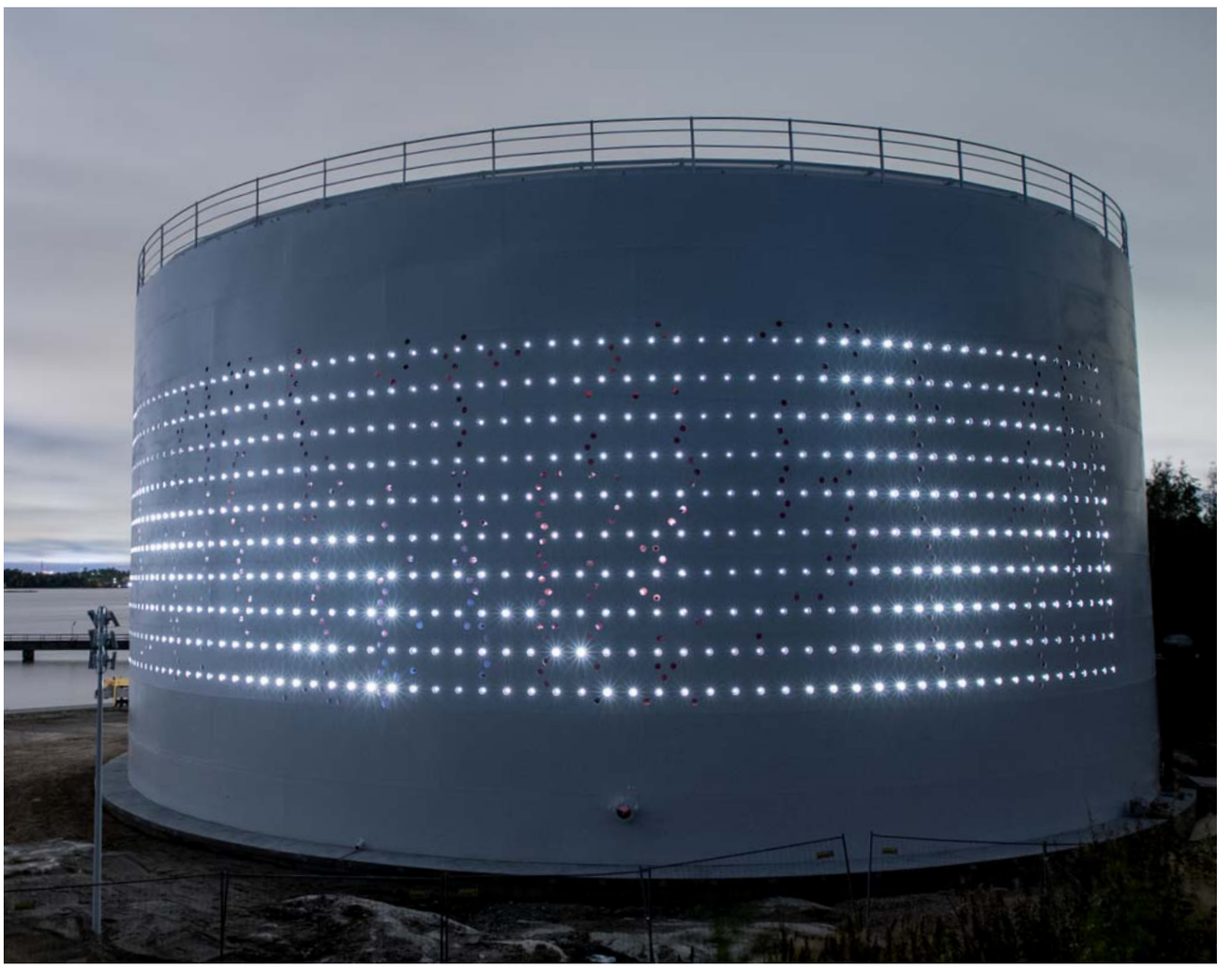
Outdoor-rated String is IP67-rated, UV-resistant, and designed to withstand outdoor elements, rendering it a reliable solution for both indoor and outdoor environments.

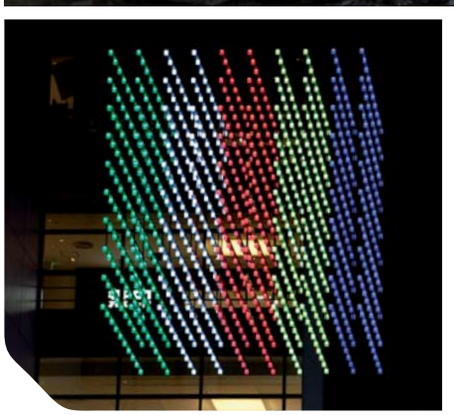
Smart Chip technology Each String pixel is auto-addressable and easily configured.

Technical Specifications & Options

	Direct View	**Diffused**
BEAM ANGLE	120°	180°
COLOR	RGB, Cold White*, Warm White*	
ENVIRONMENT	Pixel Distributor IP66; String System IP67	
BRIGHTNESS	600 cd/m²	

* Non standard item. Available on request.

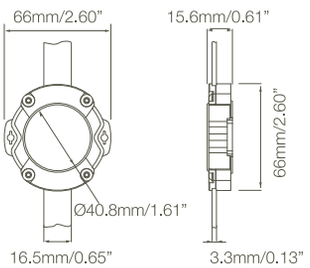




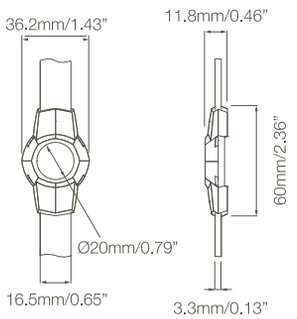
Silo 468, Helsinki, Finland | Le Front 3D Cube, Kawasaki, Kanagawa, Japan | ESPRIT Flagship Store, Frankfurt/Main, Germany

Dot XL

DOT XL 6/9



DOT XL 3



Dot XL is the ultra-bright, fully-customizable solution for creative and demanding media projects. Configurations of three, six, or nine LEDs within each enclosed Dot casing, and numerous additional customization options, render Dot XL's flexibility unmatchable and its application possibilities nearly limitless. Each Dot is individually-addressable making this durable, scalable solution equally ideal for vivid accent, text, graphics, and video replay in installations of any size and complexity. Dot XL is IP67-rated and designed to withstand weather-changing environments. Suitable for daylight viewing, it also shines brilliantly through adverse exterior conditions to boldly communicate messaging or evoke emotion. Dot XL is controllable by DMX512 and e:pix/DVI input signals, and its Smart Chip technology and intelligent software allow maximum control of even the most intricate media scenarios.

Various customization options Dot XL customization choices include number of LEDs per round Dot casing (3, 6, or 9); LED color (RGB, warm white, or cold white); pixel pitch; and diffuser dome.

Flexible mounting capability Mounted on a flexible string, Dot XL is not confined to a rigid, pre-determined form or structure, and can therefore accommodate a variety of irregular surfaces, planes, and configurations.

Outdoor-rated Dot XL is IP67-rated, UV-resistant, and designed to withstand outdoor elements, rendering it a reliable solution for both indoor and outdoor environments.

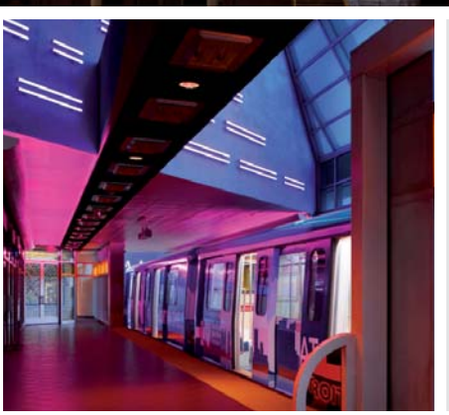
Smart Chip technology Each Dot XL pixel is auto-addressable and easily configured.

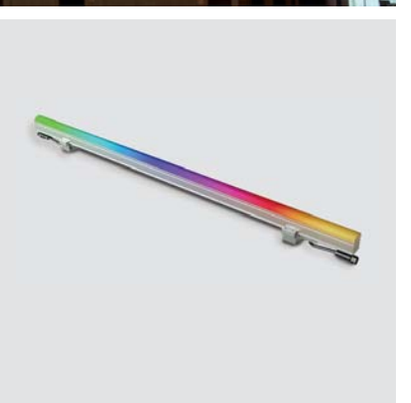
Technical Specifications & Options

BEAM ANGLE	120°
COLOR	RGB · Cold White* · Warm White*
ENVIRONMENT	Pixel Distributor: IP66 · Dot XL Units/PSU: IP67
BRIGHTNESS	2396 cd/m² @ 100 mm pitch+

+ Dot XL-9 RGB

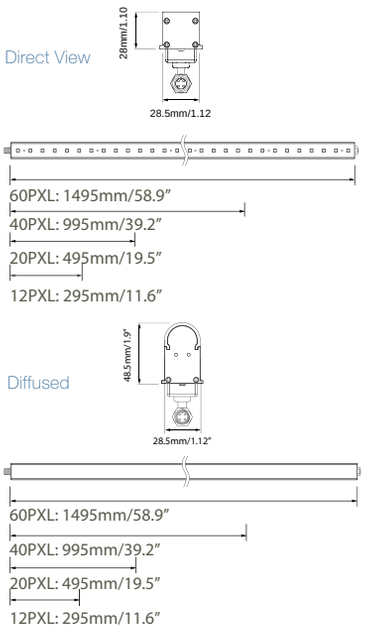
* Non standard item. Available on request.





National Stadium, Lima, Peru | Los Libertadores Bridge, Lima, Peru | The Detroit People Mover: Millender Station, Detroit, USA

Media Tube



Media Tube's versatility adds a unique twist to various architectural, retail, or hospitality environments, with linear ribbons of light or sharp video and text. Capable of replaying medium-to-high resolution graphical content or embellishing the simplest of architectural details, Media Tube's slim profile, customizable pixel count and color, result in a crisp, precise media installation, whether designed as a linear run or configured as a large-scale media screen. Media Tube is available in both direct-view and diffused options to accommodate a range of applications.

Various customization options Available in several lengths, Media Tube customization options include LED color (RGB, warm white, or cold white*, number of pixels per linear fixture, and a choice of direct or diffused view.

Flexible mounting capability Mounting bracket options allow for placement anywhere along the fixture, accommodating a variety of irregular surfaces, planes, and configurations.

Outdoor-rated Media Tube is IP66/67-rated, UV-resistant, and designed to withstand outdoor elements, rendering it a reliable solution for both indoor and outdoor environments.

Daisy-chain topology and simple cabling Media Tube can be daisy-chained up to 10 meters on a single power run, lowering installation and maintenance costs. Each pixel is auto-addressable and easily configured.

Technical Specifications & Options

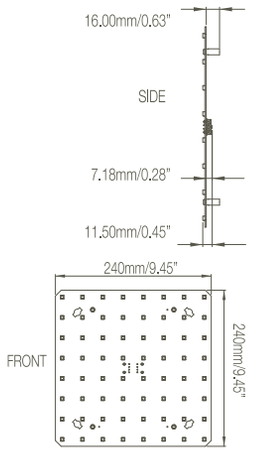
	Direct View	**Diffused**
BEAM ANGLE	120°	180°
COLOR	RGB, Cold White*, Warm White*	RGB, Cold White*, Warm White*
ENVIRONMENT	IP67	IP66
BRIGHTNESS	556 cd/m² @ 100 mm pitch	

* Cold white and warm white are non standard items. Available on request.

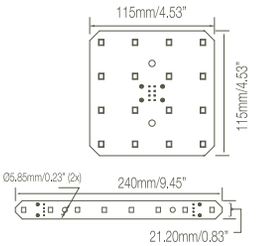
Triumph, Vienna, Austria | Shanghai World EXPO, Shanghai, China | Lutron Showroom, New York City, USA

64PXL Board RGB
Add-on Board & Add-on Strip

64PXL Board RGB



Add-on Board & Add-on Strip



64PXL Board RGB is an efficient tool for dynamic communication and visual enhancement of a range of environments, from commercial to hospitality and entertainment installations. With its tight pitch and wide beam angle, 64PXL Board RGB beautifully reproduces full color, medium-resolution graphics, text, and video, in indoor environments. 64PXL Board's low profile makes it ideal for placement behind solid or fabric diffusion material, for a softened image quality and evenly-distributed light. 64PXL Board RGB is controllable by DMX512 and e:pix/DVI input signals, as well as Smart Chip technology and intelligent software allow maximum control each of the 64 individually-addressable pixels, in even the most intricate media scenarios. Additionally, an Add-on Board and Add-on Strip of the same pixel pitch and wide beam angle are available to extend 64PXL Board's light beyond its fixed dimensions. Filling the remaining margins of unordinary installations, Add-on Boards and Add-on Strips further 64PXL Board's flexibility.

Tight pixel pitch, wide beam angle 64PXL Board offers a 31.25 mm pixel pitch and a wide beam angle of 120°, making it an efficient tool for graphics, text, and video replay of varying levels of complexity.

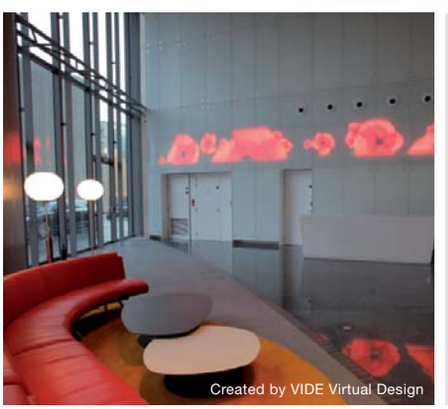
Low profile A minimal standoff distance allows 64PXL Board to remain close to its mounting surface, resulting in an unobtrusive contour, ideal for placement behind solid or fabric diffusion.

Add-on Board and Add-On Strip An 8PXL Add-on Strip and a 16PXL Add-on Board of the same pixel pitch and wide beam angle, extend 64PXL Board's ability to adapt into installations of any dimension. The Add-on's individually-addressable pixels fill the small spaces not covered by the full Board to ensure complete coverage.

Smart Chip technology Each pixel on 64PXL Board, 8PXL Add-on Strip, and 16PXL Add-on Board, is auto-addressable and easily configured.

Technical Specifications & Options

	64PXL Board RGB	**16PXL Add-on Board & 8PXL Add-on Strip**
BEAM ANGLE	120°	120°
COLOR	RGB	RGB
ENVIRONMENT	INDOOR	INDOOR
BRIGHTNESS	2587 cd/m²	


Created by VIDE Virtual Design

Tischlerei Mayrhofer, Pasching, Austria | Kungsmässan, Kungsbacka, Sweden | High Resolution Media System installation created by VIDE Virtual Design

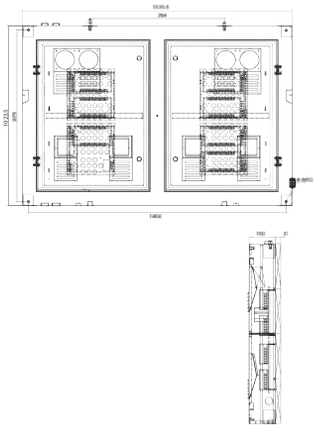
High Resolution Media System

The High Resolution Media System (HRMS) displays crisp, clear imaging in vivid color and detail. With options for both interior and exterior installations, Traxon's High Resolution Media System provides a new level of scalable messaging appealing to a wide range of retail and entertainment environments.

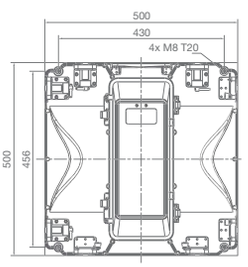
Traxon offers four series to fully extend the range of possibility: The High Resolution Media System T Series, HRMS Pro Series, S Series, and B Series. The HRMS Pro Series offers an even wider vertical viewing angle and is RDM-capable allowing remote detection of open circuit LEDs. The indoor HRMS S Series features fanless cooling and silent operation, with superior color uniformity provided by fine binning yields, while the outdoor B Series' high brightness commits to superior visibility in both darkness and daylight.

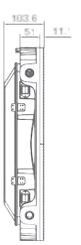
With various special features and a variety of pixel pitches, the High Resolution Media System T Series, Pro, S and B Series accommodate a range of screen sizes and resolutions to accurately deliver a bright, vivid message.

Outdoor (B-series 10.66mm)



Indoor (S-series 3.9mm)

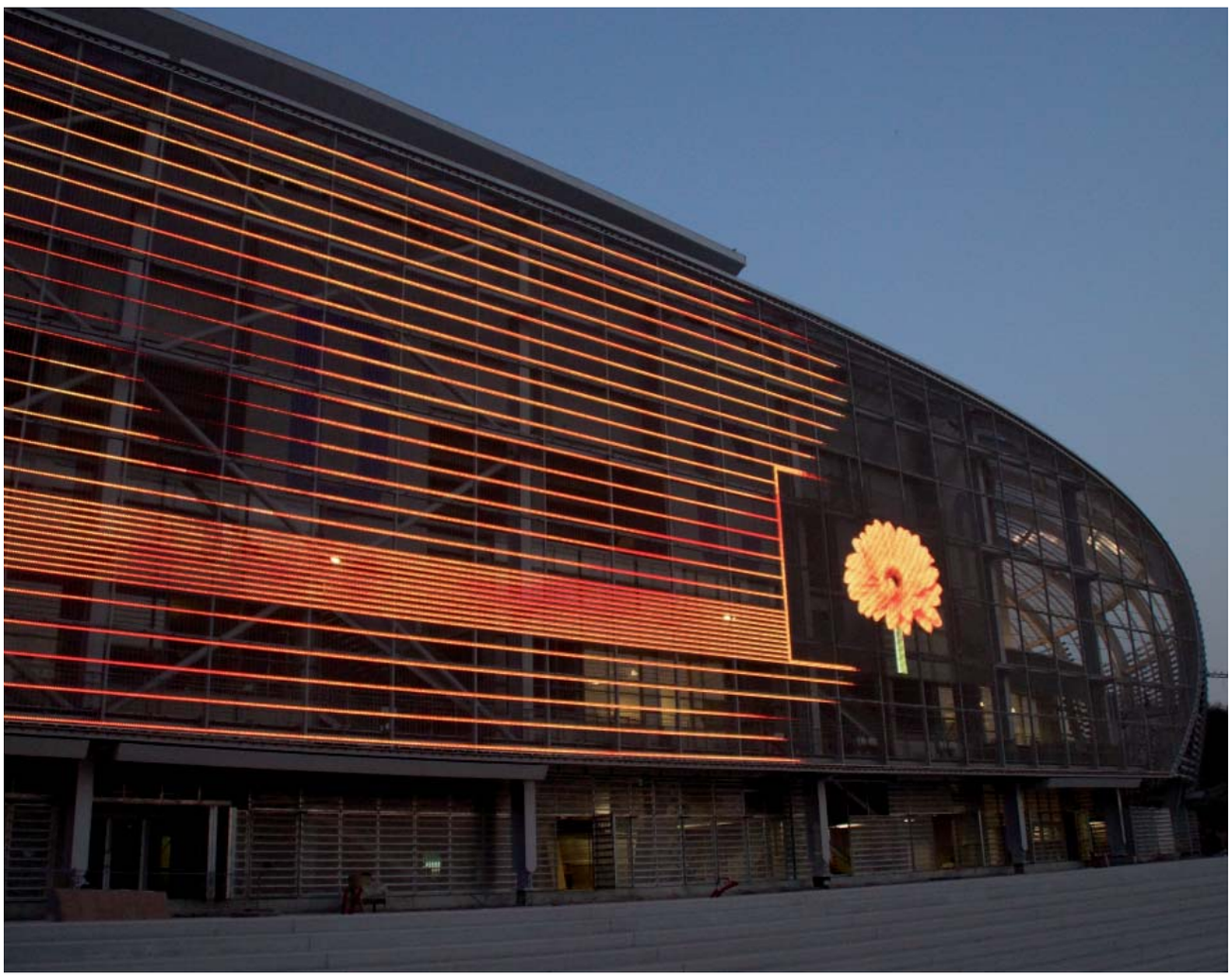




Advanced SMD Technology SMD LEDs provide a wide vertical viewing angle, consistent color reproduction with minimal color shift, and improved white balance and color balance.
Remote fixture monitoring[1] RDM (Remote Device Management) control reports any fixture issues, including open circuit LEDs, back to the Interface Processor when connected to a PC.
Fanless cooling[2] HRMS S Series operates silently due to its fanless cooling system.
High Refresh Rate & Contrast Ratio A 16-bit processing depth delivers up to 281 trillion colors, and a high refresh rate minimizes possible flickering, resulting in rich, true-to-life images. A broad viewing angle reduces eye strain, improving picture quality in any light.
True Color Sophisticated color correction technology delivers precise color reproduction and image uniformity of true-to-life colors and accurate skin tones, with a variation of less than three-percent.
Design Innovation Durable, and light-weight, the slim and modular casing with pitches ranging from 3.9mm to 20mm accommodate a variety of installation sizes and resolutions.
Intelligent Processor Stream processing architecture vividly displays images and reproduces video, seamlessly, supporting resolutions up to 1080p without flickering.
Daisy-chain topology and simple cabling Low installation and maintenance costs, and easy connection.

[1] RDM currently available in the HRMS Pro Series only
[2] Fanless operations in HRMS S Series only

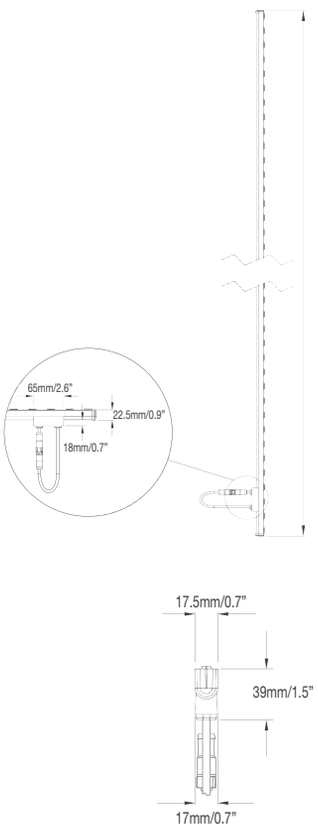
For more technical information please refer to page 120.



Grand Stade Lille Métropole, Lille, France | Haver & Boecker Headquarters, Oelde, Germany

IMAGIC WEAVE®

IMAGIC WEAVE®



IMAGIC WEAVE® masters the balance of aesthetic structures and illumination art. The creative and sustainable possibilities of Traxon LED tubes integrated into the rugged structural durability of Haver & Boecker's stainless steel mesh, meld together to become a woven grid equipped with individually-addressable LEDs, which converts building façades into unique, transparent canvases for vivid, large-scale media.

IMAGIC WEAVE® steel composition act as a flat, unobtrusive second skin, protecting the building from harsh elements and harmful UV rays while serving as a thermal layer. Its linear LED configurations are easily attached to the mesh structure with a patented clip system, which enables uncomplicated maintenance and addition of LED configurations. Various pixel pitches render them capable of medium resolution graphics, text, and video animations in full color.

The IMAGIC WEAVE® range is IP67-rated for indoor and outdoor environments, with an available optimal viewing distance of 40 meters to 400 meters. IMAGIC WEAVE units are custom built for each individual project, and are controllable by DMX512 and e:pix/DVI input signals, Smart Chip technology, and intelligent software for maximum control of even the most intricate media scenarios.

Rugged structure Built on the durable structure of Haver & Boecker's stainless steel wire mesh, IMAGIC WEAVE®, IMAGIC WEAVE® HO (High Output) and IMAGIC WEAVE® HE (High Effeciency) communicate strong industrial design influences and contribute to the character of any façade with its clean, non-obstructive surface.

Many customization options LED profile length; number of pixels (from eight to 72 LED pixels per profile piece); and the configuration and location of each LED profile, can be custom selected.

Simple assembly Linear LED configurations are easily attached to the steel mesh with a patented clip system, allowing easy installation and maintenance of the LED tubes.

Medium-resolution With typical pixel pitches of 62.5mm and 125mm for IMAGIC WEAVE®, and 40mm, 50mm, 62.5mm, and 125mm for IMAGIC WEAVE® HO, and IMAGIC WEAVE® HE, the product line is capable of a wide range of resolutions in full color at various brightness levels from 500 nits to 8000 nits, visible in daylight.

Outdoor-rated IMAGIC WEAVE® range is IP67-rated, UV-resistant, and designed to withstand outdoor elements. Additionally, it serves as a second skin, shielding building façades from sunlight while acting as a thermal layer.

Smart Chip technology Each pixel is auto-addressable and easily configured, controlled via DMX512 and e:pix (DVI-capable) protocols.

Technical Specifications & Options - IMAGIC WEAVE®

	IMAGIC WEAVE®	IMAGIC WEAVE® HE	IMAGIC WEAVE® HO
BEAM ANGLE	120°	110°	105° x 50°
COLOR	RGB	RGB	RGB
ENVIRONMENT	IP67	IP67	IP67
BRIGHTNESS	62.5mm x 62.5mm pitch: >500 Nits (cd/m2)	40mm x 40mm pitch : >2500 Nits (cd/m2) 50mm x 50mm pitch : >1600 Nits (cd/m2) 62.5mm x 62.5mm pitch : >1000 Nits (cd/m2)	40mm x 40mm pitch : >8000 Nits (cd/m2) 50mm x 50mm pitch : >5500 Nits (cd/m2) 62.5mm x 62.5mm pitch : >3200 Nits (cd/m2)

Flame Towers, Baku, Azerbaijan

Façade Panel

Powered directly with line voltage, the Façade Panel is an interior-rated media façade solution, which further extends the Façade Solutions portfolio. With its modular design and extensive range in sizes, the Façade Panel allows gapless installation leaving no spacing between the fixture housing and the window frames. The Façade Panel is suitable for interior architectural, hospitality, retail, and entertainment applications where seamless building “skin” effects are desired.

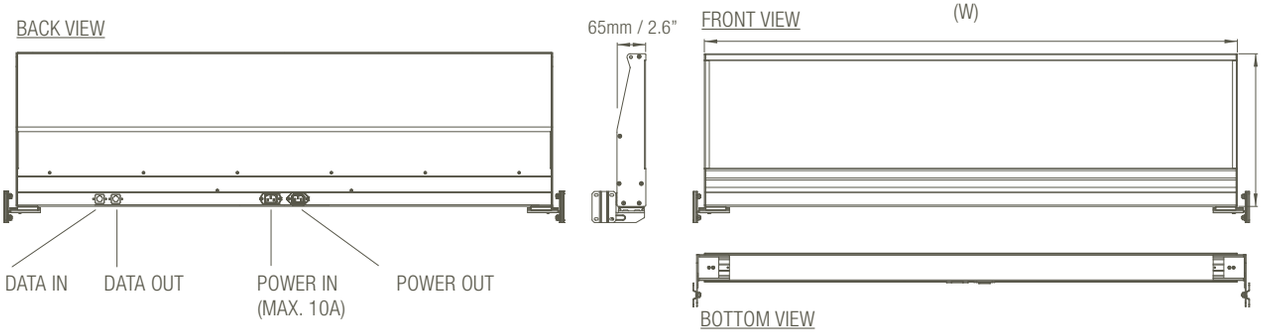
Design innovation Modular design enables gapless installation without spacing between the fixture housing and window frames.
Flexible options A wide range of panel sizes seamlessly accommodate any installation space without modification to the existing window frames.
Simple installation AC line voltage eliminates the need for external power supplies and enables daisy chain topology for fast and easy installation.
Highly efficient Ultra bright LEDs are capable of replaying bold graphics and intricate video sequences when paired with an intelligent control system.

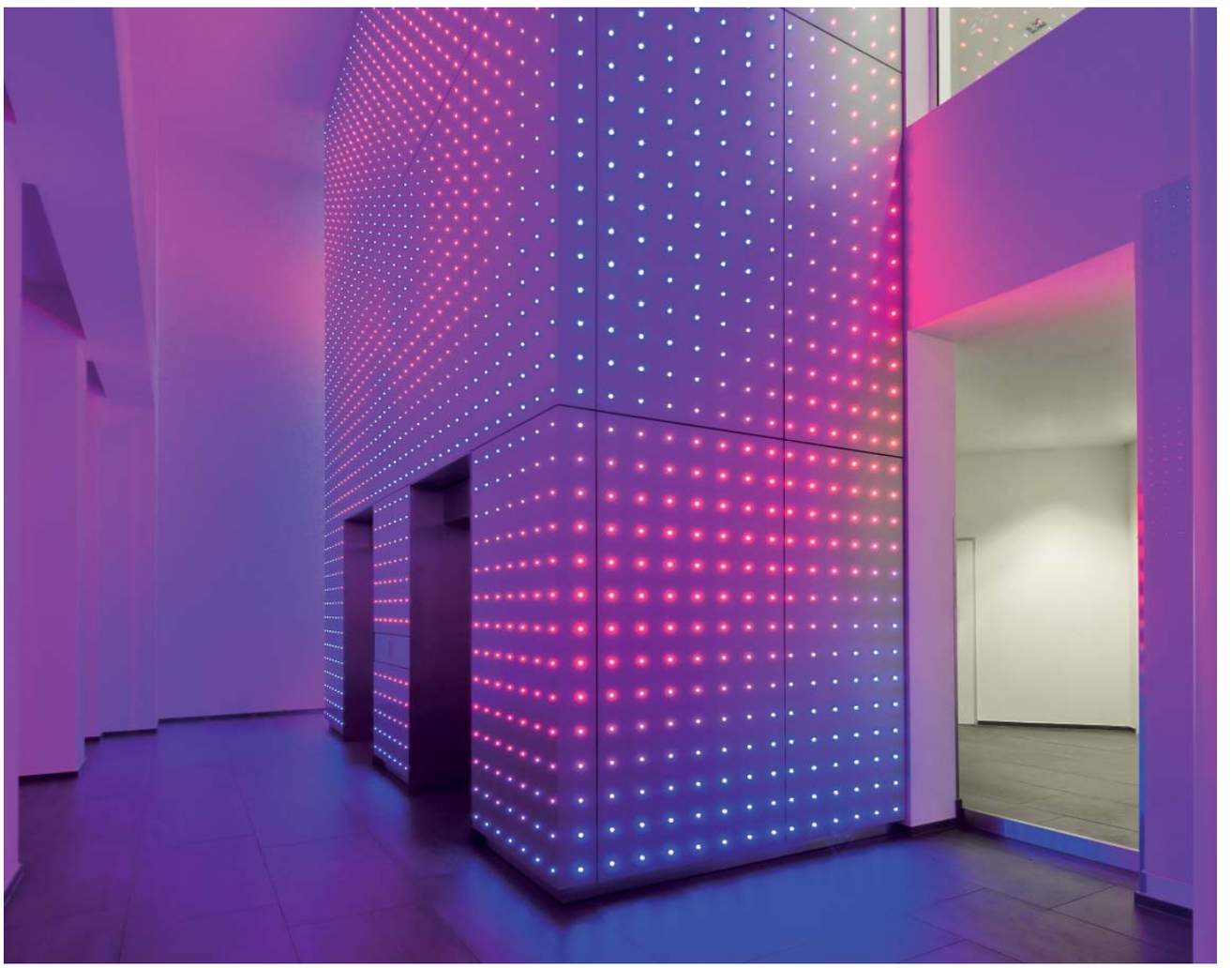
Technical Specifications & Options

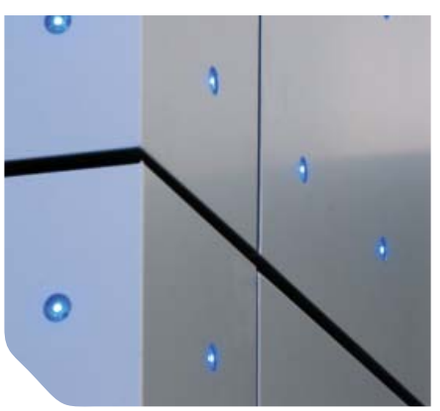
LIGHT SOURCE	Type A: 600mm-850mm: 24 LEDs, 2PXL Type B: 900mm-1150mm: 36 LEDs, 3PXL Type C: 1200mm-1400mm: 48 LEDs, 4PXL	
COLOR	RGB	
ENVIRONMENT	Indoor	
TECHNICAL SPECIFICATIONS	INPUT VOLTAGE:	100-240V, AC 50/60HZ
	CONTROL:	DMX512

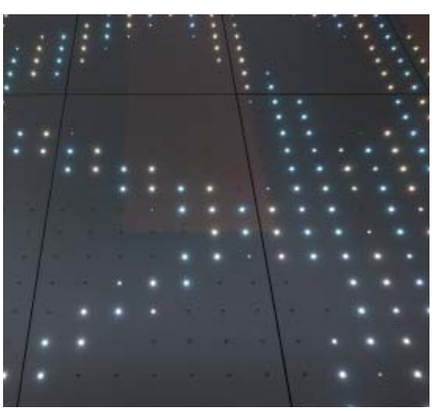
* Façade Panel is a project specific item. Please consult your regional sales office for more information.

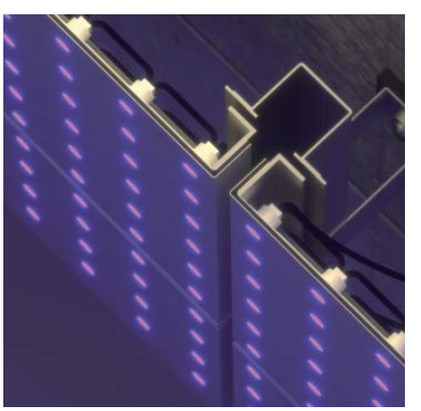
W = Type A: 600mm - 850mm / 23.6” - 33.5”
Type B: 900mm - 1150mm / 35.4” - 45.3”
Type C: 1200mm - 1400mm / 47.2” - 55.1”











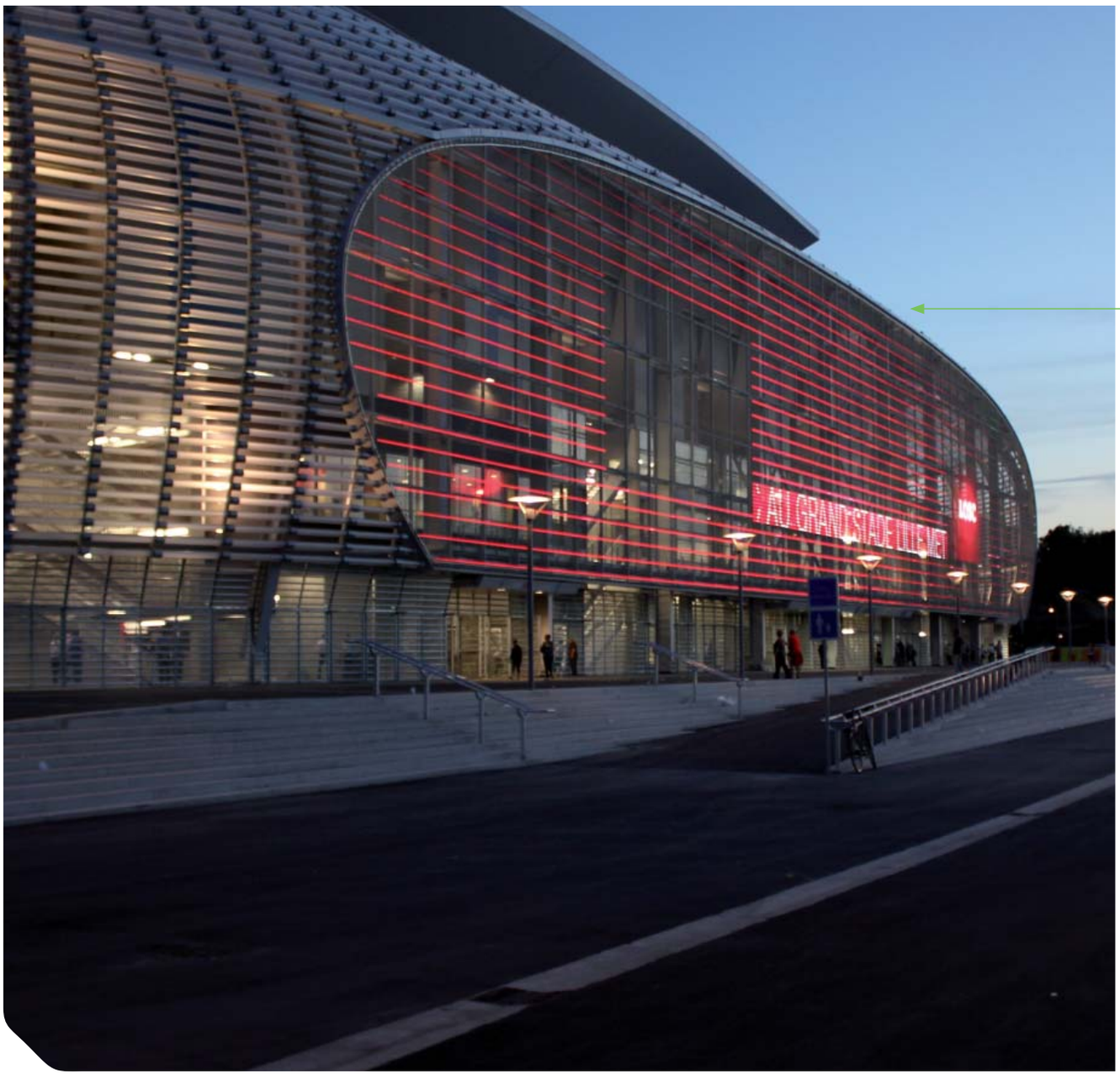
ALUCOBOND media® Axel Springer Project, Hamburg, Germany

ALUCOBOND media®

ALUCOBOND media® is a revolution in modern architectural expression. Sleek architectural panels infused with LED light are the hallmark of endurance, efficiency, and functionality turning static façades into dynamic statements. Featuring extensive color, surface, and size versatility, the vibrant ALUCOBOND media® is suitable for any conceivable façade application whether interior or exterior, large or small scale. Ideal for advertising, entertainment, or as elegant industrial art, ALUCOBOND media® simultaneously protects and enchants while maintaining the integrity of the original architectural design. ALUCOBOND media® is illuminated by Traxon's flexible, Mini-Dot String RGB controlled via DMX512 or e:pix/DVI, rendering the product capable of displaying 16.7 million colors. Each String is fully integrated into panels of sophisticated aluminum material developed by Suisse Technology Partners providing designers with maximum freedom, simple processing, high durability, and affordability.

Design innovation Create an elegant display of graphics, text, and animations, with effervescent light and command attention in the urban landscape.
Architectural interest and integrity Enjoy an instant and seamless transition between the modern, dynamic display and the traditional, unaltered façade beneath the screen.
Advanced materials Extend façade longevity with the extremely durable, lightweight, sustainable ALUCOBOND® material, which is energy efficient and completely recyclable, and available in a spectrum of colors and surfaces.
Flexible application Use this modern, IP67-rated building material to transform indoor and outdoor façades of any scale, from stairwells to stadiums, into works of art.
Simple maintenance and upkeep Dismount individual cassette and LED strings to maintain this streak-resistant material.
Ease of control The auto-addressable product can be controlled via DMX512 and e:pix protocols (DVI compatible).

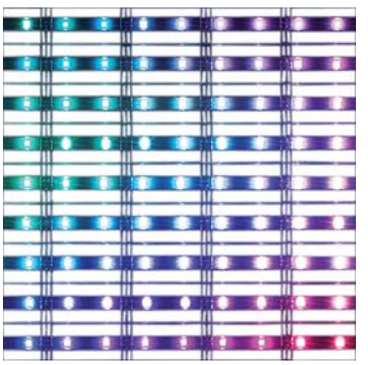
For more technical information please refer to page 121.



Grande Stade Lille Métropole

Clad in a transparent IMAGIC WEAVE® media façade with three areas of varying LED resolution, this magnificent, multi-functional stadium in Lille, France, boasts an external view as exciting and distinctive as the inside. The concept of creating an elegant, clear façade that would bring the stadium to vibrant life through atmospheric light and color in a matter of seconds was seamlessly executed to create a one-of-a-kind experience for fans and passersby, alike. The installation measures 20 meters by 120 meters and includes 70,000 LED pixels, which cover the entire surface of the outer envelope. A Lighting Control Engine 2 fx (LCE2-fx) and 25 Video Micro Converters (VMCs) control the complex videos, graphics, and lighting cues displayed across the IMAGIC WEAVE®. The installation can be controlled wirelessly via a Smartphone or tablet PC, and the varying resolution areas can also be controlled separately.

System Solution



IMAGIC WEAVE®

DMX512/e:pix

Power

Video Micro Converter (VMC)

DVI

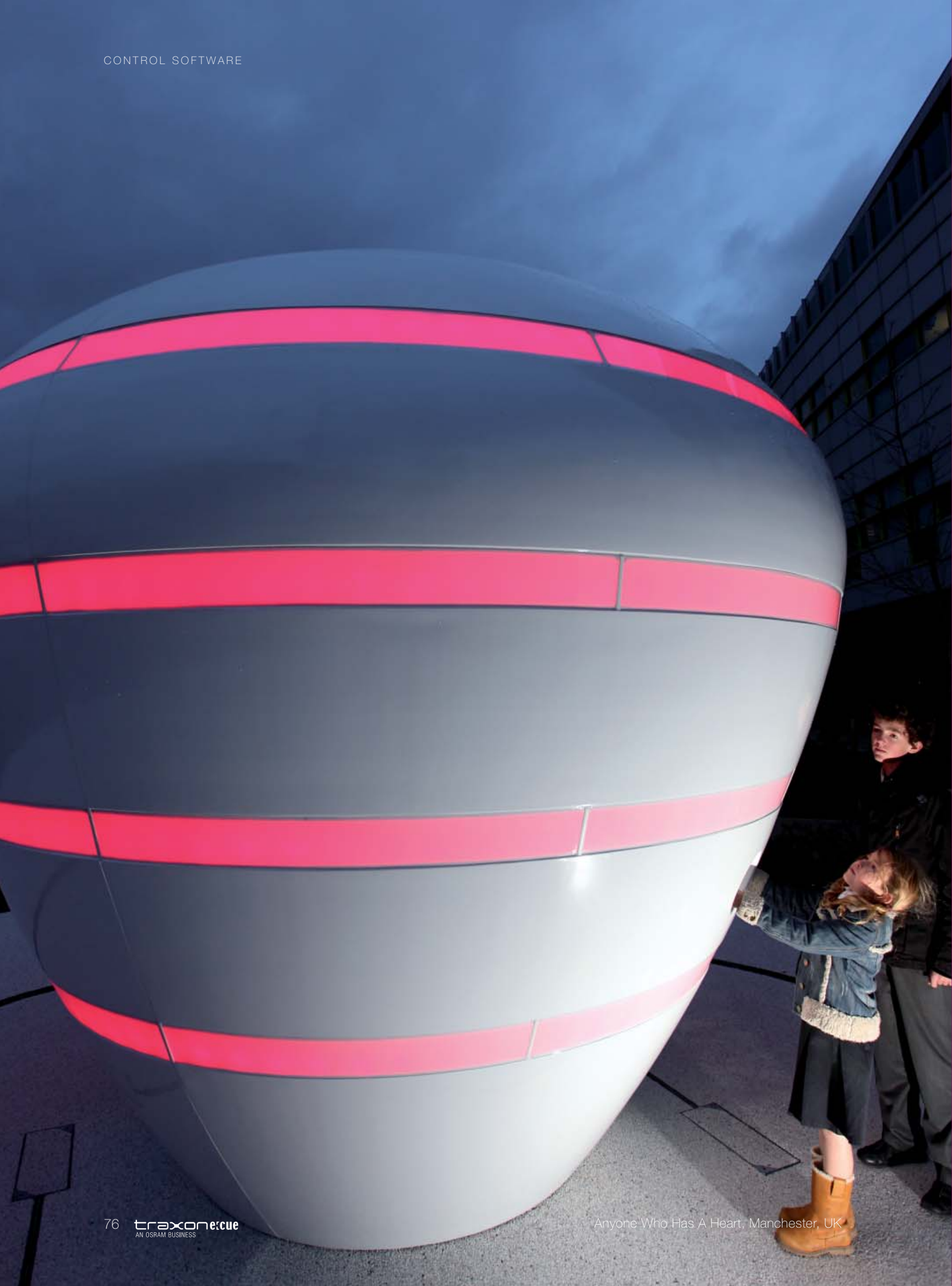
Lighting Control Engine 2 fx
(LCE2-fx)

Lighting Application Suite
(LAS)

Control

LED Engine Smart 1000 W

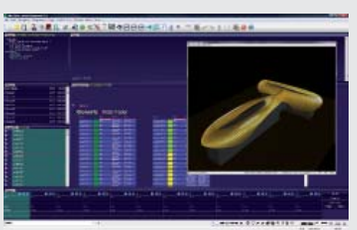
Power

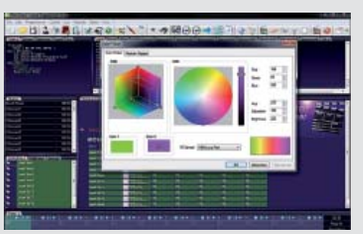


Anyone Who Has A Heart, Manchester, UK

Control Software Overview

Control Software includes innovative and intuitive tools that facilitate the design of simple to complex lighting shows, position lighting fixtures in a project plan, and configure Traxon & e:cue and external devices in the central control system. In addition to programming special lighting effects, video-to-light pixel mapping, visualization of the lighting installation, and special triggering and automation features, control software reaches far beyond dynamic lighting, providing control capabilities for a wide spectrum including multimedia, show control and building automation systems.





YAS Marina Hotel, Abu Dhabi, UAE

Lighting Application Suite 6.1

The Lighting Application Suite (LAS) 6.1 combines lighting, multimedia, and show control programming with unrivaled connectivity and matrix control features. The software suite offers maximum DMX512/RDM channel control and easier access for the end-user, including the ability to control up to 750,000 channels (via Emotion FX) and operate more than 25,000 fixtures with full RDM support. The regular Programmer software controls up to 128 universes, or 65,536 DMX512/RDM channels. LAS 6.1 incorporates significant improvements to the Action Pad Color Picker, a web server for browser or mobile device control, cuelists, and the Dynamic Scroll Text, for fast changes on LED matrix systems, guaranteeing even greater programming control and flexibility.

INNOVATION

Create stunning lighting sequences using the Live FX generator Endless lighting sequence possibilities and effects from simple color-changing chasers to complex, dynamic color patterns can be generated using the Live FX generator.

Program advanced interactive automation or triggering With simple steps, users can program various automation and triggering features for their lighting installation.

Program precisely timed lighting scenes Define transitions between cues, wait times, delay effects, and fade in/out times to the millisecond for the perfect lighting show.

Build multimedia sequences with Emotion FX Real-time video effects, overlay videos, images and scrolling text dynamically, apply real-time effects and route the result to monitors, Video Micro Converters, or output via Butler PRO. Even live streams from cameras or external video sources can be included.

Configure 1:1 pixel mapping of video content Instantly map each video pixel to each LED node for video-to-lighting and other matrix installations.

Convert web information into scrolling text The Dynamic Scroll Text function has the ability to convert RSS feeds and website texts into scrolling texts on an LED matrix system.

Preview lighting projects with a Visualizer tool (Imagine) Using the built-in 2D Visualizer or use the Imagine software, tool to preview the lighting show in 3D.

Control lighting shows using an Internet browser An HTML-enabled web server offers browsers the possibility to trigger all functions available within the LAS software package, thus enabling the use of wireless devices or via the free apps specially designed iOS or Android™ devices.[1]

Intuitively arrange lighting fixtures in your project plan Using the Patchelor tool, users can easily map the lighting fixtures using a background picture of the project for intuitive planning.

Supports RDM protocol for bidirectional communication RDM (Remote Device Management) bidirectional communication allows remote configuration, status monitoring, and management of lighting fixtures with RDM capability.

SIMPLICITY

Select standard fixtures using the Fixture Library for easy set-up The Fixture Library includes an extensive list of standard products by major lighting manufacturers. Users can choose fixtures and arrange them, create their own fixture profile for addition of new or custom fixtures.

Organize and group fixtures Cluster fixtures and individual LEDs for easier access and management of large lighting installations with several sections. Users can name fixture groups for better organization and ease of programming.

Use the same lighting desk features on a PC Familiar features used in lighting desks such as cues, cue lists, sub-masters, grandmasters, and faders make it easy for experienced programmers and lighting designers to learn e:cue software and use the same features on a PC and on the Lighting Control Engine.

Use the Color Picker for quick color selection Assign color to individual lighting nodes or groups using the Color Picker, a standard feature in all familiar graphic software applications.

Create animations using Wizards Easily generate chasers, dynamic scrolling text, graphic animations, and map video content using software wizards.

Coface Arena, Mainz, Germany

Program time and date triggers Use specific date and time triggers in three calculation modes to start lighting shows based on sunrise, sunset, specific holidays including full support for daylight savings functionality and other time-related triggers.
Customize Glass Touch User Terminals Simply tailor the functionality of the touch sensitive keys and wheels of all Glass Touch User terminals using a visual tool in only a few steps. Export to Butler XT2 for small applications.
Use the Sequencer to compose shows with a visual timeline The Sequencer, as an intuitive timeline sequencing tool, displays video as single frames and audio data as a waveform, and can record manually evoked events.
Complete and easy customization of multiple remote User Interfaces Programmer's Action Pad tool allows users to create and publish their own fully customized user interface to several platforms including a local PC running e:cue Programmer; a remote PC running any browser with Flash; and wireless mobile devices via free application.

FLEXIBILITY

Control large numbers of DMX512/RDM channels and pixels Design simple to complex lighting shows requiring control of up to 65,546 DMX512/RDM channels up to 25,000 RDM fixtures or control up to 750,000 channels with Emotion FX via e:net and Butler DMX512/RDM output devices.
Use scripting language for advanced custom solutions Advanced users can utilize the e:script scripting language, based on familiar programming language concepts, to create special functions for custom solutions and unlimited programming options.
Integrate Input/Output signals for external triggering Allows integration of external control devices through various protocols to initiate various functions in the software.
Use two media players for simultaneous video/audio playback Use two media players to replay and transition between two video files simultaneously.
Realize sound-to-light effects using Audio DSP Create dynamic lighting sequences based on sound from music or other audio source.

Lighting Application Suite Editions

Standard Edition Free download at www.ecue.com. This is the most basic edition of the LAS.
Premium Edition Two Multimedia Players with full screen playback capability and video, two light mapping features, and an Audio DSP feature enables powerful sound2light effects. Enables users to export light scenes to the e:cue Butler S2, and Butler XT2. Premium also allows integration of one external device such as midi, RS232, or SMPTE timecode, via the device manager and includes one automation trigger and sunrise timer (astronomical clock).
Enterprise Edition Contains all functions of the Premium edition, plus integration of up to ten external devices. In this edition, powerful automation trigger features and the sunrise timer (astronomical clock) are enabled, as well as access one Art-Net or KiNET universe. Allows Emotion FX editing/demo mode. Includes one automation credit; users may add additional credits.
LCE-mx Ultimate Edition Pre-installed and available only with the LCE-mx. Allows a maximum of 16 DMX512 universes and enables integration of 99 external devices. Includes one Art-Net universe upgrade, which enables output of Art-Net/KiNET protocols are only available with the LCE-mx.
LCE2 Ultimate Edition Pre-installed and available only with the LCE2 series. Enables integration of 99 external devices. Includes one Art-Net universe upgrade, which enables output of Art-Net/KiNET protocols are only available with the LCE2. Art-Net/KiNET upgrades can be expanded in steps of 8, 16, 32 or 64 universes. Simultaneous control of DMX512/RDM fixtures and Art-Net/KiNET-driven fixtures. Includes one automation credit; users may add additional credits.
LCE2-fx Ultimate Edition Pre-installed and available only with the LCE2-fx, this edition includes all features of the LCE2 version, in addition to the Emotion FX real-time Video Synthesizer, which allows video and lighting control combined in one machine.

[1] iOS is a trademark of Apple Inc., registered in the U.S. and other countries. Android is a trademark of Google Inc.

Lantern Wonderland 2012 “Golden Moon”

“Golden Moon”, created by Laboratory for Explorative Architecture & Design (L.E.A.D.), revisits the concept of a Chinese lantern, linking directly to Hong Kong’s second annual Mid-Autumn Festival legend of Moon Goddess Chang’e. The six-storey, spherical, moon-shaped lantern structure is clad with abstract flames in fiery colors and patterns, and is large enough that visitors may walk inside. It is illuminated with Traxon’s ultra-bright, fully-customizable Dot XL-6 RGB programmed to communicate visual and acoustic animations. A mixture of e:cues Lighting Control Engine 2 fx (LCE2-fx), Video Micro Converters (VMCs) e:pix and custom software manage the system’s colors and animations with both on-demand and automatic playback options. Built in only 11 days, Golden Moon demonstrates a combination of state-of-the-art digital design technology, and traditional craftsmanship.

System Solution

Dot XL-6 RGB

DMX512/e:pix

Power

Video Micro Converter (VMC)

DVI

Lighting Control Engine 2 fx
(LCE2-fx)

Lighting Application Suite
(LAS)

Control

LED Engine Smart
150W 15V Outdoor

Power

Galeries Lafayette “Chrysalide”, Paris, France

Control Engines & Interfaces Overview

Control Engines & Interfaces ensure smooth, uninterrupted operation of lighting installations. Engines generate, store, and output a wide variety of protocols and signals necessary to orchestrate communication between all devices and fixtures in lighting control systems, while Interfaces are intelligent translators further enabling communications between non-native networks and Traxon & e:cue's network. Their intelligence and modularity are the best solution for any category or scale.

Galeries Lafayette “Chrysalide”, Paris, France | South Street Bridge, Philadelphia, USA | FC-Bayern Erlebniswelt, Munich, Germany

Lighting Control Engine 2
Lighting Control Engine 2 fx

Technical Specifications & Options

LCE2

L x W x H
432 x 491 x 176 mm/
17 x 19.33 x 6.92 inch

Weight: 15 kg/33.06 lbs

Input Voltage: 100 – 240 V AC, 50/60 Hz

System Link: 2 x e:net (Ethernet, RJ-45)

Storage: SSD

Interfaces:
1 x DVI-D Out, 1 x VGA Out
2 x DMX512/RDM RJ45 Ports (In/Out)
2 x RS-232 (DSub),
6 x input dry contacts
2x SPDT Relay outputs 24V, 3A max.

Mounting: Desktop operation, Mounting in 19" rack

LCE2-fx

L x W x H:
432 x 491 x 176 mm/
17 x 19.33 x 6.92 inch

Weight: 15 kg/33.06 lbs

Input Voltage: 100 – 240 V AC, 50/60 Hz

System Link: 2 x e:net (Ethernet, RJ-45)

Storage: SSD
Interfaces:
1 x VGA out
1 x Dual Link DVI-D
1 x Mini HDMI
1 x Dual Link DVI-I
DVI / HDMI Input Capture Card,
2 x DMX512/RDM RJ45 Ports (In/Out)
2 x RS-232 (DSub),
6 x input dry contacts
2x SPDT Relay outputs 24V, 3A max.

Mounting: Desktop operation, Mounting in 19" rack

Lighting Control Engine 2 (LCE2)

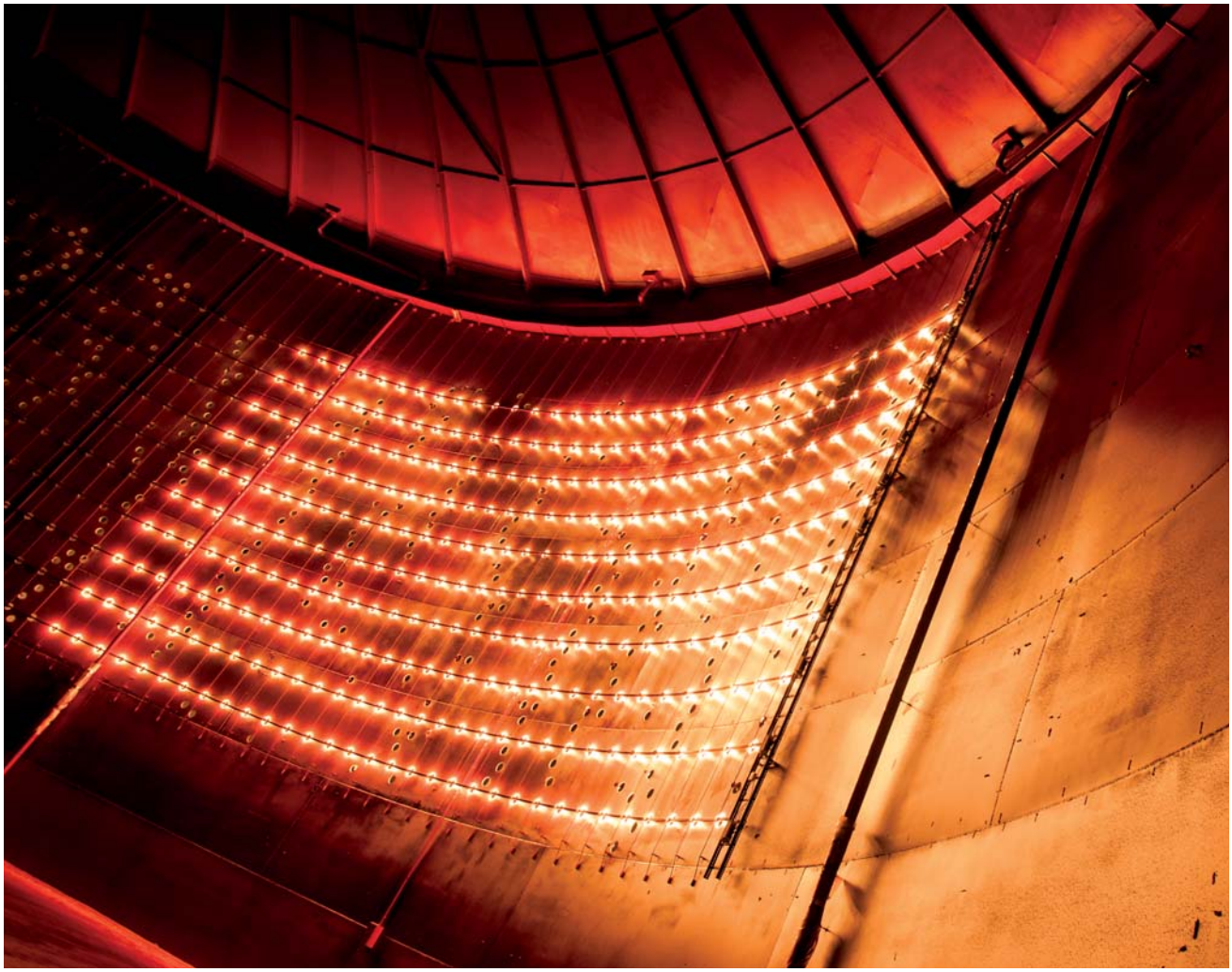
Designed to control large and complex projects, the Lighting Control Engine 2 (LCE2) is a high performance server with the Lighting Application Suite (LAS) software pre-installed. A central control unit, this versatile server guarantees uninterrupted operation as it orchestrates all devices and fixtures within a project. With integrated DMX512/RDM inputs or outputs, dry contacts, two SPDT relay outputs, the ability to output various Ethernet-based protocols, and the capability to integrate various audio/video, external triggering, RS232, SMPTE-Timecode and other desired devices and content, the LCE2 is the ideal solution for the most demanding projects. Shows and lighting scenes can be controlled remotely via mobile devices or with browser access via the built-in web server. A built-in status display on the front communicates messages while built-in cursor keys enable system control directly from the unit. The LCE2 can be mounted in a 19" rack.

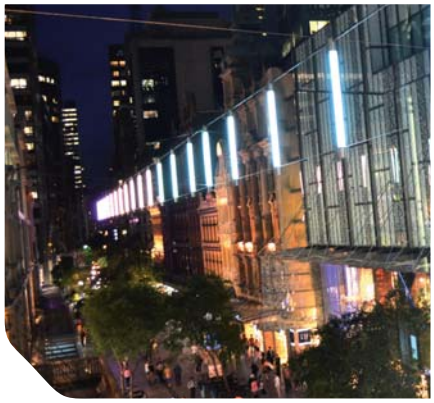
Lighting Control Engine 2 fx (LCE2-fx)

Similar to the Lighting Control Engine 2 (LCE2) but with dynamic real-time video capabilities and extended software tools, the elite Lighting Control Engine 2-fx (LCE2-fx) is a high-performance server with the Lighting Application Suite (LAS) software and the Emotion FX Video Software pre-installed. Emotion FX software supports video mixing and advanced video functionality. With added hardware capacity to control modern mixed media installation, LED matrix applications, and conventional DMX512 lighting such as moving lights, LCE2-fx is the ultimate solution for the most demanding projects. Shows and lighting scenes can be controlled remotely via mobile devices or with browser access via the built-in web server. A built-in status display on the front of the unit communicates messages while built-in cursor keys enable system control directly from the unit. The LCE2-fx can be mounted in a 19" rack and comes with a DVI/HDMI video capture card.

- Equipped with e:cue's Lighting Application Suite (both) and exclusive Emotion FX software (LCE2-fx only)
- Orchestrates a wide range of fixtures, devices, technologies and media with reliable, uninterrupted operation
- Outputs a variety of Ethernet-based protocols
- Numerous triggering options
- Pre-installed media content package and the ability to synchronize sound-to-light sequences
- Control up to 65,536 DMX512 channels (LCE2) with RDM for bidirectional communication or via Art-Net and KiNet
- Control up to 750,000 DMX512/RDM channels and up to 25,000 RDM devices via Emotion FX with bidirectional communication (LCE2-fx)
- Built-in status display for user control and monitoring and two drive bays accessible from front (One 2.5-inch SSD drive is included; second bay allows future extensions)
- Easily mountable in standard 19-inch control rack

For more information on e:cue products, please refer to www.ecue.com.





Silo 468, Helsinki, Finland | Pitt Street Mall, Sydney, Australia | EUMETSAT, Darmstadt, Germany

Lighting Control Engine mx

Technical Specifications & Options

LCE-mx

L x W x H
262 x 134 x 47 mm/
10.3 x 5.3 x 1.9 inch (housing)
262 x 134 x 50 mm/
10.3 x 5.3 x 2 inch (incl. rail adapter)

Weight: 2 kg

Power supply:
external 24 V DC; 19.2 ... 28.8 V DC

Housing: Steel, aluminum
Mounting on 35 mm DIN rail, wall mouning (flat, portrait)

User interface:
System connection ports 2 x e:net (RJ45 Ethernet), 1 x RS-232, 3 x USB
Data storage SSD
1 x DVI-D output

Lighting Control Engine mx

The Lighting Control Engine mx (LCE-mx) is a compact and versatile, DIN rail mountable control server with the e:cue software suite installed. It is the optimum solution for smaller to medium configurations to control devices and fixtures within a project. Designed and build for reliability and robustness in industrial environments the LCE-mx comes without any moving or rotating components, an accessible CompactFlash card servers as data exchange for shows or user data. The small form factor allows din rail mounting on walls or in rack systems, external devices are connected via USB, Ethernet/e:net and other open interfaces. All software features of the Lighting Application Suite are included, including automation, control of 16 DMX512 universes, and Art-Net/KiNet support.

- Equipped with e:cue's Lighting Application Suite
- High quality components for reliable uninterrupted operation
- Certified for industrial use
- Fanless operation, SSD drive, no moving or rotating parts
- Support for a variety of Ethernet-based protocols
- Numerous triggering options
- Built-in web server
- Easily mountable on DIN rail or on walls
- USB-, RS-232- und DVI-Interfaces, 2 x e:net/Ethernet (RJ45)
- Controls up to 8192 DMX512 channels
- Headless operation without keyboard and display
- Built-in webserver, remote control of lighting shows via LAN with web browser or iOS-systems[1]

[1] iOS and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries. Android and Google Play are trademarks of Google Inc.

For more information on e:cue products, please refer to www.ecue.com

Brooklyn Academy of Music, Brooklyn, USA | T.C. Ziraat Bank Headquarters, Ankara, Turkey | Los Libertadores Bridge, Lima, Peru

Butler XT2

Technical Specifications & Options

Butler XT2

L x W x H:
177 x 59,5 x 75,4 mm /
6.97 x 2.34 x 2.97 inch

Weight: 0.4 kg / 0.88 lbs

Power:
12-24V AC/DC
RS232 (clamp terminals)
Dry Contacts (clamp terminals)

System Link:
e:net (RJ45), e:bus (clamp terminals)

Output:
2x DMX512 (RJ45, clamp terminals)

Mounting:
Optional mounting in 19" Butler Garage

DIN Rail Mounting

Butler XT2

Similar to the Butler S2 but with more connectivity options, the Butler XT2 is a DMX512/RDM engine that can be used in standalone mode to replay and loop previously uploaded lighting shows, programmed using a PC running the e:cue software suite. The Butler XT2 is also used as a DMX512/RDM device controlled by another e:cue Engine. Butler XT2 offers a new hardware platform with increased CPU power and more RAM than its predecessor, Butler XT. In addition, Butler XT2 allows control and playback of up to eight independently controlled zones in standalone mode. This Engine has many connectivity options used to control the lighting show running on the device including direct connection to Glass Touch User Terminals, RS232, digital dry contact inputs, and e:cue protocols. It can be controlled using a custom graphical user interface in conjunction with a web browser or via free apps designed for iOS and Android™ devices over a wireless connection[1].

- Built-in web server
- Up to eight independently controlled zones in standalone mode
- Control up to 1024 DMX512/RDM channels
- Supports RDM protocol for bidirectional communication
- Internal real-time and astronomical clock with daylight savings options
- Easily upload lighting show files via Ethernet
- Reliable uninterrupted operation
- Scalable up to 65,536 channels in online mode, 16,384 in standalone mode with more XT2 devices or in combination with Butler S2
- Built-in webserver, remote control of lighting shows via LAN with web browser or iOS-systems[1]

Butler XT2 Garage

The Butler XT2 Garage is a 19“ rackmounting solution for the successful e:cue Butler XT2 live and replay unit. The Garage comes with a slot-in system and carries up to two Butler XT2 units (four DMX universes). Frontside access to the Butler display allows viewing status information.

[1] iOS and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries. Android and Google Play are trademarks of Google Inc.

For more information on e:cue products, please refer to www.ecue.com

OVO, Lyon, France | Vetro Bar, Billericay, Essex, United Kingdom

Butler S2
Butler S2 Garage

Technical Specifications & Options

Butler S2

L x W x H:
71.5 x 24 x 85 mm /
2.79 x 0.94 x 3.34 inch

Weight: 0.19 kg / 0.44 lbs

Power:
12–24V AC/DC ext.
PSU (Power Supply Unit)
or PoE (Power over Ethernet)

System Link: e:net

Output: 2 x DMX512 (RJ45)

Mounting:
Optional mounting in 19" Butler Garage

Butler S2

The Butler S2 is a simple yet powerful RDM-capable DMX512 output device, and is the simplest way to communicate via DMX512 and RDM. Ideal for storing and replaying lighting shows in small to medium standalone projects, the Butler S2 can also serve large lighting systems, adding two DMX512 universes when paired with the Lighting Application Suite (LAS). The compact control engine is cost efficient and can store up to 99 pre-programmed cuelists and play back up to eight cuelists—in parallel—in standalone mode. It is intended for use with the Butler XT2 and can also be used in cluster mode with additional control engines for output of up to 32 DMX512 universes in standalone mode, or 128 universes when paired with the Lighting Application Suite (LAS). As a network-enabled device, the Butler S2 has a built-in web server for easy set up. Equipped with a built-in SD card, the engine can replay previously stored cuelists in case of a loss of Ethernet connection, making it a fail-safe solution for scalable lighting control.

- RDM-capable
- Built-in web server
- Store and replay pre-programmed cuelists
- Scalable up to 65,536 channels /128 universes
- Reliable uninterrupted operation

Butler S2 Garage

The Butler S2 Garage is used to house and power up to 12 Butler S2s for neat arrangement and wiring. It is designed to be wall or ceiling mounted, or installed on a 19" rack. The Butler S2 Garage also includes a detachable front panel and plates which cover unused mounting slots.

For more information on e:cue products, please refer to www.ecue.com.

National Stadium, Warsaw, Poland | National Stadium, Lima, Peru | Europaallee Passage, Zurich, Switzerland

Butler PRO

Butler PRO

L x W x H:
482 x 44 x 142mm /
18.97 x 1.73 x 5.59 inch

Weight: 1.2 kg / 2.64 lbs

Input Voltage:
100 - 240V AC
50 / 60 Hz

System Link:
1 x Ethernet for LAS communication
e:net (RJ45)

Output:
DMX / RDM version
16x DMX512 (RJ45)

e:pix version
16 x e:pix (RJ45)

Mounting:
mounting in 19" rack or wall mounting

The Butler PRO is an e:net to DMX512/RDM output (DMX512/RDM Version) or an e:net to e:pix output (e:pix Version[1]) engine that interfaces seamlessly with the Lighting Application Suite (LAS). Butler PRO is connected to a server via Ethernet. The engine can be mounted in a standard 19-inch rack and accommodates wall mounting via rotatable 19-inch mounting brackets. The Butler PRO DMX512/RDM Version is the optimal choice for running a large number of DMX512 universes—up to 16 DMX512/RDM universes (8,192 channels) —with full RDM (Remote Device Management) capability for bidirectional communication, while the Butler PRO e:pix Version[1] is running up to 16 e:pix universes (32,768 channels).

- Easily mountable in a standard 19-inch rack and accommodates wall mounting via rotatable 19-inch mounting brackets
- Status display and cursor keys for offline configuration
- Stored backup image in case of e:net signal loss
- Versatile test mode
- Supports RDM protocol for bidirectional communication (DMX512/RDM version only)
- Controls up to 8,192 DMX512/RDM channels in 16 DMX512/RDM universes (DMX512/RDM version)
- Controls up to 32,768 e:pix channels in 16 e:pix universes (e:pix version)
- Scalable to run up to 65,536 DMX512/RDM channels via the Lighting Application Suite
- Scalable to run up to 750,000 e:pix or DMX512 channels with 25,000 RDM systems via Emotion FX

[1] Release in Autumn 2013!

For more technical information please refer to page 122.
For more information on e:cue products, please refer to www.ecue.com.

DMX2CC 6CH, DMX2CC 12CH

Technical Specifications & Options

L x W x H
DMX2CC 6CH
142 x 75.4 x 58.5 mm /
5.59 x 2.97 x 2.3 inch
DMX2CC 12CH
272 x 75.4 x 58.5 mm /
10.71 x 2.97 x 2.3 inch

Weight:
DMX2CC 6CH
0.41 kg / 0.91 lbs
DMX2CC 12CH
0.75 kg / 1.65 lbs

Supply power: 24-48V DC,
max. 4,5 A

Input: DMX512 (RJ45)

Output: 6 or 12 output channels
(screw terminals) DMX512 (RJ45)
for chaining multiple devices

Mounting (2): DIN Rail Mounting

Available in six-channel and twelve-channel versions, the DMX2CC enables DMX512 control of high power LEDs (1W and 3W) using a constant current dimming method, ensuring flicker-free and smooth dimming especially for environments such as television studios. The DMX512 out port repeats and amplifies the DMX512 signal for convenient daisy-chaining. Additionally, a self-diagnostic test function prevents damage to the unit and LEDs caused by incorrect wiring, open or short circuit, and overheating, and is able to maintain lighting levels in times of DMX512 data and signal loss. DMX2CC is easily set up with auto and manual DMX512 addressing modes, and conveniently mountable inside equipment racks using standardized 35mm wide DIN rail.

- Smooth, flicker-free dimming of constant current fixtures
- Pre-selectable LED current between 350mA to 700mA
- DMX512 in/out with auto/manual addressing options
- Self-diagnostic test function, overheating protection and overcurrent protection
- Status message display and keys for configuration and setup

DMX2CC 6CH

DMX2CC 12CH

DMX2PWM 3CH, DMX2PWM 9CH

Technical Specifications & Options

L x W x H
DMX2PWM 3CH
94 x 71.5 x 24 mm /
3.66 x 2.81 x 0.94 inch
DMX2PWM 9CH
107 x 76 x 59 mm /
4.21 x 2.99 x 2.32 inch

Weight:
DMX2PWM 3CH
0,08 kg / 0.176 lbs
DMX2PWM 9CH
0,23 kg / 0.5 lbs

Supply power:
12–48V DC (screw term.),
2A per Ch (9 Ch. version) / 2.5A
per Ch (3 Ch. version)

Input:
Input: DMX512 (RJ45)

Output:
3 or 9 output channels
(screw terminals) DMX512 (RJ45)
for chaining multiple devices

DMX2PWM Dimmers enable control of low-voltage LEDs using a DMX512 controller. Using PWM (Pulse-Width Modulation) technique, they are designed for use with constant voltage LEDs with a maximum output current of 2A per channel, or 2.5A for the three-channel version. DMX512 signal is amplified through DMX2PWM Dimmers for convenient daisy-chaining. DMX2PWM Dimmers' flexibility makes installations easy with auto and manual DMX512 addressing modes, and in the case of the nine-channel version, the option of using an RJ45 connector or loose wire for DMX512 connection. The reverse supply protection and self-resetting over-current protection ensure safety against possible damage due to incorrect wiring. The nine-channel version is conveniently mountable inside equipment racks using standard 35mm wide DIN rail.

- Control of constant voltage LED fixtures
- Three or nine individually-controllable output channels via DMX512
- Reverse supply protection and overcurrent protection (self resetting)
- Smooth dimming via PWM with 488 Hz frequency
- Manual address setting or auto-addressing selectable
- Input voltage range: 12-48 VDC

DMX2PWM 3CH

DMX2PWM 9CH

DMX2PC

Technical Specifications & Options

L x W x H
216,5 x 90 x 59 mm /
8,52 x 3,54 x 2,32 inch

Weight:
0,775 kg / 1.708 lbs

Supply power for control:
24 V DC, max. 40 mA

Input:
DMX512

Output:
4 dimmed outputs
leading or trailing edge

The DMX2PC is a universal dimmer for all phase cut dimmable luminaries, ballasts, and lamps. It is designed to dim energy-saving lamps, LED retrofits and incandescent lamps, also high voltage and low voltage halogen lamps with magnetic and electronic ballasts. Both leading and trailing edge modes are supported. Capable of handling inductive, ohmic and capacitive loads, the DMX2PC completes Traxon's range of Pulse Width Modulation (PWM) and constant current dimmers . The combination of the DMX2PC with e:cue's DMX engine Butler XT2, user interfaces like the Action Pad and Traxon's dimmable Plug'n'Play AC luminaires makes up a perfect solution.

- Four outputs, each 570 W max load
- Multi-range 48 to 230 VAC, 45 to 65 Hz
- DMX512 controllable
- Automatic load detection (switches to trailing or leading edge)
- Overheat and overload protection
- Emergency input
- Selectable dimming curves
- Flexible test mode

Video Micro Converter (VMC)

Technical Specifications & Options

L x W x H 155 x 120 x 45 mm / 6.1 x 4.7 x 1.8 inch
Weight: 0.43 kg / 0.95 lbs
Cable: 12 V DC, 5W (ext. PSU)
System Link: e:net (RJ45 for setup)
Input: DVI (female connector)
Output: max. 4096 DMX512 RGB channels in DMX512 version (8 DMX512 universes) or max. 12288 DMX512 RGB channels in e:pix version
Mounting: On-wall mounting
Mounting: Optional mounting in 19" VMC Garage

VMC

The Video Micro Converter (VMC) is a compact device used to convert a DVI signal to DMX512 or e:pix for LED control of large media installations. Specially designed to easily output video content on LED media installations, one VMC grabs up to 4096 pixels from a video source. For video lighting installations requiring more than 4096 pixels, multiple VMCs can be daisy-chained to convert the entire video via DVI signal. The VMC features very flexible pixel mapping capabilities for demanding LED installations ranging from a few hundred to a million pixels. There are two available versions of this device; VMC outputs DMX512 and e:pix, while the VMC DMX512 outputs only DMX512.

- Simple video-to-LED solution
- Supports DVI input resolutions up to 1080p (1920 x 1080 pixels)
- Highly versatile pixel mapping capabilities
- Configurable DMX512 monochrome or color channel mapping
- Grabs and converts up to 4096 DVI pixels per VMC (DMX512 mode) and 4096 pixels (e:pix mode)
- Internal active DVI signal booster
- Configurable startup delay
- Stored default image in case of video input loss
- Arrange lighting fixture and set up VMCs using the e:cue software suite

VMC Garage

The VMC Garage is a 19" rackmounting solution for the successful Video Micro Converter (VMC) unit. The VMC Garage comes with a slot-in system and a built-in multirange power supply for up to three VMC units (giving up to 3 x 4096 pixels resolution). The windows on the frontside provide access to the VMC displays and the frontside RJ45 connectors of the VMCs.

e:bus Input Module
Moxa ioLogic

Technical Specifications & Options

e:bus Input Module

L x W x H
47 x 44 x 13 mm/
11.9 x 11.2 x 0.5 inch

Weight: 21 g / 0.046 lbs

Cable: 24 V DC, max. 20 mA

System Link: via e:bus

Input: 4 dry contacts, light/motion sensor 0-5 V/TTL, screw terminals

Output:
e:bus, 5 V DC, screw terminals

Mounting (3):
in standard in-wall fittings

Moxa ioLogic

L x W x H
115 x 79 x 45.6 mm /
4.53 x 3.11 x 1.80 inch

Weight: <250 g / <0.55 lbs

Cable:
24 VDC nominal, 12 to 36 VDC

System Link: e:net

Input:
E2210: 12 dry/wet inputs,
E2240: 8 analog inputs

Outputs:
E2210: 8 digital,
E2240: 2 analog outputs

Mounting: 35 mm DIN rails

e:bus Input Module

e:bus Input Module allows integration of four standard switches and a motion sensor and other dry contacts, into the e:bus system. An embedded Locator LED allows identification of modules with the e:cue software suite, and power and data are supplied via e:bus, reducing installation costs. e:bus Input Module is compact and can be installed in standard in-wall fittings.

Moxa ioLogic

Moxa ioLogic Interfaces allow integration of standard switches, such as motion sensors and other dry contacts, into the e:net system. Moxa ioLogic E2210 features 12 digital inputs with photo cell sensors and eight digital outputs for integration of external switches, the Moxa ioLogic 2240 features eight analog inputs and two analog outputs for integration of analog sources elements into the e:net system. Both versions have a compact housing and can be easily installed via e:net or Ethernet connection, thus reducing installation costs. Moxa ioLogic replaces e:cue's Connect Base.

e:bus Input Module

Moxa ioLogic

For more information on e:cue products, please refer to www.ecue.com.

TV Today Network Studio

India's leading news network, TV Today Network, recently integrated a dynamic lighting solution into studios and atriums throughout the network's new TV building in Delhi. The lighting scheme is flexible enough to be fitted for individual studio sets while retaining brand continuity for the complex as a whole. Selected for its wide range of installation possibilities, Traxon's 1PXL Strip RGB was seamlessly concealed behind backdrops, lending saturated backlighting to the studio. Paired with a Lighting Control Engine 2 (LCE2) and Butler XT2, the system allows the entire set to be bathed in precise color schemes for variable on-camera looks. e:cue's advanced control system also provides flexibility to interconnect with the third party front-lighting system. A DMX2PWM 3CH Dimmer with customized firmware makes it possible to match the dimming frequency of the white backlighting to that of the studio camera. The result is optimum lighting performance that gives the channels distinct yet cohesive personality.

System Solution

1PXL Strip RGB

OSRAM FlexLED[1]

DMX2PWM 3CH Dimmer

LED Engine Smart 100W Indoor

Power

Butler XT2

Butler XT2

e:net

e:net

Ethernet Switch

Lighting Control Engine 2 (LCE2)

Control

LED Engine Smart 100W Indoor

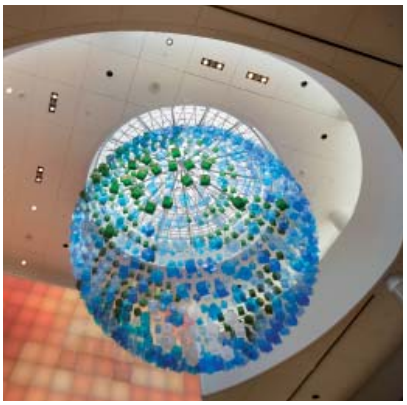
Power

[1] For more information on OSRAM FlexLED, please visit www.osram.com

O'Hare International Airport Terminal 5, Chicago, USA

User Terminals Overview

User Terminals bring personal lighting control to one's fingertips. Sharply intuitive, pleasing to the eye, and triggered by touch, User Terminals and mobile device lighting control applications offer a wide range of functions from simple to complex, with programmable selection features, Plug'n'Play, standalone DMX512 output capabilities, and customizable buttons. User Terminals combine intelligent, articulate control and sleek design into one sophisticated, fully customizable unit or application.



AOK Pediatric Clinic, Berlin, Germany | Klehr Harrison Harvey Branzburg LLP, Philadelphia, USA | Washington Hospital Center, Washington, D.C., USA
St. Joseph's Regional Medical Center, Paterson, USA

Glass Touch T12/T6R/T6

Technical Specifications & Options

L x W x H:
Glass Touch T6
80 x 80 x 11 mm /
3.15 x 3.15 x 0.43 inch
Glass Touch T6R & T12
80 x 160 x 11 mm /
3.15 x 6.3 x 0.43 inch
Glass Touch T Wheel
160 x 80 x 11 mm /
6.3 x 3.15 x 0.43 inch

Weight:
Glass Touch T6
0.11 kg / 0.22 lbs
Glass Touch T6R, T12, T Wheel
0.3 kg / 0.66 lbs

Cable:
24V DC, 18-100mA (via e:bus)

System Link: e:bus

Control: IR control

Mounting: In-wall mounting

Glass Touches are a series of User Terminals featuring a sleek design with a glass surface as well as touch-sensitive keys and wheel for user interaction. Designed to work with the Butler XT2 via the e:bus protocol, the Glass Touch keys and wheel are easily customized using the e:cue software to perform any function according to project requirements. Pleasing to the eye, these devices are the perfect solution for user interaction and control in high-end lighting applications such as hospitality, architectural, healthcare, residential, and other projects. Glass Touches are wall mountable, and up to eight units can be connected to a single Butler XT2 for flexible installation.

- Sleek glass surface with modern, elegant design
- Touch-sensitive keys and wheel
- Only two wires for power and data (e:bus)
- Easy set up and customization
- Wall mountable, flexible installation
- Compatible to standard in-wall fittings


Glass Touch T12


Glass Touch T6


Glass Touch T6R

Action Pad Apps

- For use with any wireless iOS or Android™ device[1]
- Allows seamless access to the customizable graphics user interface (GUI) and its Action Pad features (stored inside the Butler for standalone mode)
- User-friendly, free download

[1] iOS and iTunes are trademark of Apple Inc., registered in the U.S. and other countries. Android and Google Play are trademarks of Google Inc.

For more information on e:cue products, please refer to www.ecue.com.

Quality Alexandra Hotel, Molde, Norway | Light Up Ninja, Yokohama, Japan | La Suite Casablanca, Casablanca, Morocco | DOMO Showroom, Paris, France

Light-Drive Jog RGB/DW
Light-Drive RGB

Light-Drive Jog RGB

Light-Drive RGB

Light-Drive JOG

Light-Drive Jog is a wall-mounted standalone DMX512 controller and interactive user interface for dynamic lighting with RGB or white fixtures. End-users can easily control color, intensity, and speed, by simply turning the Jog's wheel, easily adjusting the mood of any lighting scenario. Available in an RGB or Dynamic White (DW) version, Light-Drive Jog is a plug'n'play device idea for controlling lighting installations with no programming required.

- User-friendly standalone DMX512 controller
- Continuous replay of color sequences
- RGB or dynamic white option
- Simple set up
- Wall mountable
- No software necessary

Light-Drive RGB

Light-Drive RGB is a wall-mounted standalone DMX512 controller and interactive user interface for dynamic lighting with RGB fixtures. With a simple turn of the wheel, end-users can directly control color, intensity, and speed, in up to two lighting zones, to easily adjust the ambiance of a lighting scenario. Six memory keys allow precise individual settings to be saved and recalled at any time with the simple press of a button, or via IR Remote Control. Additionally, two sequencing modes facilitate continuous replay of saved color settings and preset color phases or a dimmable white mode. A Plug'n'Play device, Light-Drive RGB promotes simplicity, controlling lighting installations with no programming required.

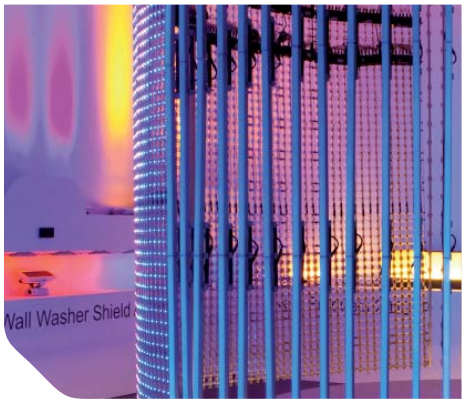
- User-friendly standalone DMX512 controller
- Six memory keys and multi-dimensional wheel
- Control up to two lighting zones
- Continuous replay of color sequences
- Dimmable white mode selection
- Simple set up
- Wall mountable
- No software necessary
- Optional remote control

Technical Specifications & Options

	Light-Drive Jog RGB/DW	Light-Drive RGB
COLOR	RGB, Cold White, Warm White, Dynamic White	RGB
ENVIRONMENT	INDOOR	INDOOR

For more information on e:cue products, please refer to www.ecue.com.


Media
MAGIC WEAVE


Wall Washer Shield


PXL Add-on Strip
16PXL Add-on Board
16PXL Board RGB
64PXL Board RGB

Light-Drive Elite

Technical Specifications & Options

L x W x H
160 x 80 x 11 mm /
6.3 x 3.15 x 0.43 inch

Weight: 0.3 kg / 0.66 lbs

Cable: 24V DC, 100mA, via RJ45

Output: DMX512 ch. (RJ45)

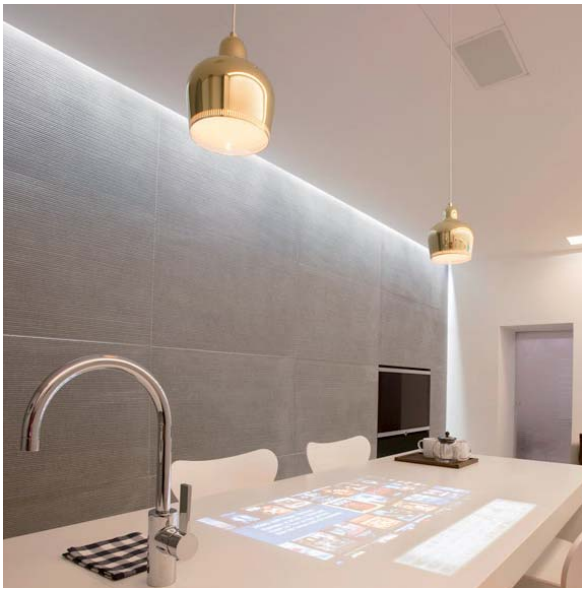
Control: IR control

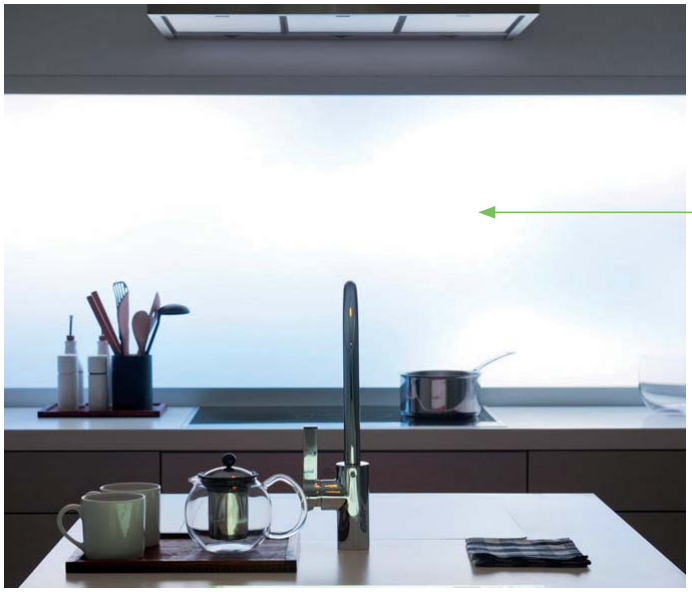
Mounting: In-wall mounting

Light-Drive Elite is a wall-mounted standalone DMX512 controller and interactive user interface for dynamic lighting. End-users can easily setup color-changing effects and control lighting directly using the device. The user interface features touch-sensitive keys and wheel with color LEDs for intuitive selection of colors and adjustment of intensity and speed. Memory function allows end-users to define four colors for color-changing effects. It can be easily connected to LED RGB fixtures through an RJ45 connection for power and data. Light-Drive Elite's glassy finish is designed for an elegant appearance as well as easy maintenance.

- User-friendly standalone DMX512 controller
- Sleek glass surface with modern, elegant design
- Touch-sensitive keys and wheel
- Simple set up
- Wall mountable
- Optional to remote control
- No software needed
- 512 channels DMX output (RGB)
- Four user-defined memory slots
- Built-in IR receiver for remote control
- Four mode keys to select intensity, color, white and memory mode

For more information on e:cue products, please refer to www.ecue.com.





DOMO Showroom, Paris, France

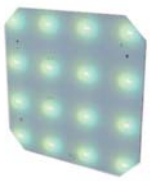
The DOMO Showroom is a unique apartment experience center that implements LED technology as 80% of the total lighting solution. To create the environment, Traxon's 1PXL Board RGB was installed behind stretched Barrisol to color the corridor and create a ceiling inside the cinema room. 1PXL Board Dynamic White was used to create a dimmable ceiling inside the Game room. Additionally, 1PXL Strip RGB forms a colored line on the ceiling, and 1PXL Strip Cold White simulates an outside view for the skylight inside the patio. The living room's brick wall is brightly lit using Nano Liner XB-27 Cold White, and the kitchen window features a virtual landscape using 64PXL Board RGB behind Barrisol and glass. All of the lighting effects can be controlled separately or simultaneously using Light-Drive RGB, and e:cue's Butler and Lighting Application Suite 5.2 software, which is capable of custom triggering.

System Solution

Light-Drive RGB

Touchscreen

64PXL Board RGB



16PXL Board
Dynamic White

16PXL Board RGB

1PXL Strip RGB

1PXL Strip Dynamic White

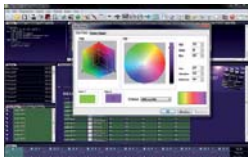
1PXL Cove Light XR RGB

Nano Liner XB Cold White

DMX512

Power

Butler S2



Lighting Application Suite (LAS)

Control

LED Engine XB-SD

LED Engine Smart Indoor 100 W

LED Engine Smart 300 W

Power

Belfast: Streets Ahead - Belfast, Northern Ireland

Accessories Overview

LED Engine Smart 100W/300W 24 V Indoor
LED Engine 240W 48V Indoor
LED Engine 150W 15V Outdoor
LED Engine 150W 24V Indoor & Outdoor
LED Engine XB-SD
LED Engine XB-SD Rackmount

LED Engine Smart

LED Engine

LED Engine Smart 100W 24V Indoor

LED Engine Smart 100W 24V is a universal AC input Power Supply Unit (PSU) designed to power Traxon's TX CONNECT® cabling systems, including Panels, Modules, Boards, Cove Light and Strips. Fitted with a TX CONNECT® connector, it completes the Plug'n'Play TX CONNECT® system. The fanless LED power supply ensures silent operation and is built to maintain reliability in interior environments.

LED Engine Smart 300W 24V Indoor

LED Engine Smart 300W 24V is a wall-mountable and rack-mountable universal AC input PSU and features direct TX CONNECT® Power & Data output. Data can be centrally fed into the power supply and is output via Plug'n'Play TX CONNECT® connectors as well as open connection terminals, allowing for various wiring options. Up to three TX CONNECT® connections can be made to each 300W power supply unit, making it ideal for large installations. The optional LED Engine Smart 300W Garage holds up to three power supply units in a standard 2U 19" rack for use in centralized control rooms.

LED Engine Smart 150W 24V Indoor & Outdoor

LED Engine Smart 150W 24V Indoor is a universal AC input Power Supply Unit (PSU) designed to power Traxon's Mesh and String units. The slim profile, fanless power supply is built to maintain high reliability in interior environments, and is fitted with TX CONNECT® connectors. LED Engine Smart 150W 24V Outdoor carries the same values as its indoor version, and can extend to outdoor applications due to its IP-67 rating.

LED Engine 150W 15V Outdoor

A universal AC input Power Supply Unit (PSU) with a 15-volt output, this slim profile, fanless power supply is built to maintain high reliability in exterior environments. LED Engine 150W 15V is equipped with an outdoor-ready connector and is designed specifically to power the Dot XL system. Additional features include over-current, voltage, and temperature protection.

LED Engine 240W 48V Outdoor

LED Engine 240W 48V Outdoor is a universal AC input Power Supply Unit (PSU) designed to power Traxon's Media Tube Series. With its slim profile, the fanless outdoor power supply is built to maintain high reliability in exterior environments. Additional features include over-current, voltage, and temperature protection.

LED Engine 1kW 48V Indoor

LED Engine 1kW 48V Indoor is a universal AC input Power Supply Unit (PSU) designed to power Traxon's IMAGIC WEAVE & Media Tube Series. The indoor power supply ensures long cabling distances for façade applications and can be housed in a standard 1U 19" rack housing. LED Engine 1kW 48V Garage houses up to three units.

LED Engine XB-SD

LED Engine XB-SD Rackmount

LED Engine XB-SD & LED Engine XB-SD Rackmount

LED Engine XB-SD is a six-mode LED controller designed to power Traxon's XB range, including Shield and Shield AC XB; Wall Washer and Liner XB, and Nano Liner fixtures. Able to drive up to 36 Leds per output at 350mA, the fully-integrated power supply enables simple power and control. LED Engine XB-SD houses a built-in FX engine, allowing it to recall a variety of pre-programmed lighting scenarios in standalone mode, or user-defined shows while in master/slave mode. Controlled via dedicated on-board LCD panel or externally via a DMX512 controller, LED Engine XB-SD incorporates flicker-free dimm-technology for smooth and seamless dimming curves. Similarly, a 19" Rackmount version is available for driving up to 36 DMX512 channels on 12 outputs.

Technical Specifications & Options

	LED Engine XB-SD	**LED Engine XB-SD Rackmount**
FIXTURE OUTPUTS	6 Outputs (Up to 36 1W 350mA LEDs per output)	12 Outputs (Up to 36 1W 350mA LEDs per output)
ENVIRONMENT	INDOOR	INDOOR

For more information on e:cue products, please refer to www.ecue.com.

Our commitment to you.

Traxon & e:cue transforms creative visions into unforgettable lighting experiences, elevating environments around the world. We believe that the phrase “complete solutions” encompasses more than just a product portfolio; the solution starts with the first creative spark. Our team of outstanding professionals, together with our global partner network, will guide you through each project phase. From creative ideas and selecting the best system to communicate your vision, to post-installation communication, our worldwide project management, planning, and support services, are yours throughout the process. The age of digital lighting is here; you can be part of the revolution. We invite you to partner with us for your next dynamic lighting project.

Appendix

Glossary

AC (Alternating Current)
Bi-directional electric charge.

Art-Net™
A proprietary protocol developed by Artistic License.

Audio DSP (Digital Sound Processing)
Representation of audio signals to digital signals for processing. Sound to Light.

CCT (Correlated Color Temperature)
The value, in degrees Kelvin, which most closely matches that of a point on the Planckian locus or black body radiator curve, emitted by an ideal black body radiator. The CCT occurs above or below the Planckian locus, the distance from which is represented by ΔUV. CCT is produced by sources which generate light via emission methods other than incandescence, such as passing an electric arc through a gaseous discharge, (fluorescent, HID), or using semi conductors, (LED).

Color Temperature
A point on the Planckian locus, measured in degrees Kelvin, which represents the heating of an ideal black body radiator to the point of incandescence. Only filament based sources which use incandescence as their light emission method have a color temperature. White light that is perceived as cool generally falls on the Planckian locus between 5000 K and 6500 K, white light that appears neutral falls generally between 3500 K and 5000 K, and white light perceived as warm generally falls between 2700 K and 3500 K.

Contrast Ratio
The ratio of the luminance of the brightest color (white) to that of the darkest color (black) that the system is capable of producing.

Cue
One static lighting scene saved in the e:cue Lighting Application Suite software. This concept is based on professional lighting control consoles.

Cuelist
A set of consecutive cues forming one dynamic lighting sequence.

DALI (Digital Addressable Lighting Interface)
A digital protocol used in lighting control, typically for electrical ballasts and dimmers, and commonly used to control fluorescent lighting.

DC (Direct Current)
Electric charge that flows in one constant direction.

Daisy-chain
A topology in which multiple devices are connected, one after another, in sequence.

Digital dry contact inputs
Digital input used to integrate external devices, such as occupancy and motion sensors, various buttons, regular light switches, and other building control devices. Also known as “dry contact closures”, or simply “dry contacts”.

DMX512 (Digital Multiplex)
A standard communication protocol originally used in stage lighting, and increasing in use in architectural lighting, for communication between controllers and lighting fixtures.

DMX512 Universe
A data link transmitting 512 DMX512 channels.

DSI (Digital Signal Interface)
A protocol used for lighting control in buildings.

Dynamic White
A mixture of warm white and cold white LED nodes, which allows the user to tune various CCTs from warm to cold.

e:bus
A special e:cue protocol used to communicate between the Glass Touch Series and the Butler XT2, for system integration. The e:bus protocol functions using only two wires for power and data using any network topology.

e:net
An Ethernet-based e:cue protocol used as the backbone communication standard between most e:cue Engines and Interfaces.

e:pix
An e:cue protocol similar to DMX512, for faster communication between the VMC and Traxon Technologies e:pix-capable LED media products. Can handle more control channels as DMX512.

EIB (European Installation Bus)/KNX
EIB, presently succeeded by KNX, is a standard communication protocol for building automation.

Efficacy
The ratio of the luminous flux of a light source to the power required to produce that flux. Efficacy is expressed in lumens per Watt (lm/W).

IP Rating (Ingress Protection Rating)
A classification of the degree of protection provided against the intrusion of solid objects such as dust, accidental contact, and water into electrical enclosures. The rating consists of the letters “IP” followed by two digits and an optional letter.

KiNET™
A proprietary protocol developed by Color Kinetics.

Luminous Flux
The measure of the perceived power of light, if reflects the varying sensitivity of the human eye to varying wavelengths of light.

MIDI (Musical Instrument Digital Interface)
A standard protocol that enables electronic musical instruments, computers and other electronic equipment to communicate and synchronize with each other.

Pitch
The distance between the center of two adjacent pixels in an array.

PoE (Power over Ethernet)
Power over Ethernet (PoE) technology describes a system to safely pass limited electrical power, along with data, on Ethernet cabling (cat5 or higher). Power can come from a power supply within a PoE-enabled networking device such as an Ethernet switch or from a device built for “injecting” power onto the Ethernet cabling.

PWM (Pulse Width Modulation)
A dimming technique made possible through constant voltage and turning the LEDs on and off at varying high frequencies, at which the human eye cannot detect any flickering.

RDM (Remote Device Management)
A protocol based on DMX512-A with bi-directional communication capability between a lighting controller and RDM-capable lighting fixtures or devices.

Resolution
The measurement of the total number of pixels within the display area.

RS232
A standard for communication between devices in a control system, which allows interfacing with various competitor-controlled devices, as well as residential and building automation systems.

Smart Chip
An auto-addressing system available in Traxon Modules, Boards, Coves, and Strips.

TX CONNECT®
A simple connection system, that combines power and data into a single cable in many Traxon fixtures.

High Resolution Media System

	SERIES	MODEL NO.	LED PITCH	PIXEL DENSITY PER SQ METER [P/M²]	BRIGHTNESS (NITS)	SERVICING ACCESS[3]	VIEWING ANGLE (HORIZONTAL / VERTICAL)	MODULE DIMENSIONS W x H x D (MM)	MINIMUM VIEWING DISTANCE (METERS)	POWER CONSUMPTION PER M² (AVG / MAX)	INPUT SOURCE COMPATIBILITY	IP RATING (FRONT / REAR)
INDOOR	T series[1] - 6.67mm	HR.FP.8206000/ HR.FP.8206100	Pixel Pitch 6.67	22500	2000	F or R	140 / 140	640 x 480 x 160/115	7	140 / 456	S-Video, YPbPr, RGBS SD/ED/ HD, 3G-SDI/ HD-SDI/SDI, VGA, DVI, HDMI, Composite	IP40 / IP20
	T series[1] - 10mm	HR.FP.8210000/ HR.FP.8210100	Pixel Pitch 10	10000	2000	F or R	140 / 140	640 x 480 x 155/110	10	140 / 456		IP40 / IP20
	S series[1] - 3.9mm	HR.FP.9003900	Pixel Pitch 3.9	65536	1200	F and R	140 / 140	500 x 500 x 103	4	240 / 720		IP40 / IP21
	S series[1] - 5.2mm	HR.FP.9005200	Pixel Pitch 5.2	36864	1200	F and R	120 / 120	500 x 500 x 103	5	180 / 540		IP40 / IP21
	S series[1] - 6.25mm	HR.FP.9006200	Pixel Pitch 6.25	25600	2000	F and R	120 / 120	500 x 500 x 103	6	200 / 600		IP40 / IP21
	S series[1] - 7.8mm	HR.FP.9007800	Pixel Pitch 7.8	16384	5000	F and R	120 / 120	500 x 500 x 110	8	260 / 780		IP40 / IP21
	S series[1] - 10.4mm	HR.FP.9010400	Pixel Pitch 10.4	9216	5000	F and R	120 / 120	500 x 500 x 110	10	240 / 720		IP40 / IP21
OUTDOOR	T series[2] - 7.94mm	HR.FP.8307300	Dot Pitch 7.94	15872	6000	R	130 / 75	1016 x 762 x 211	8	159 / 530		IP65 / IP43
	T series[2] - 12.5mm	HR.FP.8312700	Dot Pitch 12.5	6400	6000	R	140 / 50	1600 x 1200 x 236	13	106 / 354		IP65 / IP43
	T series[2] - 20mm	HR.FP.8320500	Pixel Pitch 20	2500	6000	F or R	140 / 40	1280 x 960 x 179	20	105 / 350		IP65 / IP43
	B series[2] - 10.66mm	HR.FP.9110600	Pixel Pitch 10.66	3906	7500	R	120 / 60	1536 x 1024 x 175	10	250 / 750		IP65 / IP54
	B series[2] - 16mm	HR.FP.9116000	Pixel Pitch 16	3906	10000	R	120 / 60	1536 x 1024 x 180	16	380 / 1140		IP65 / IP54
	B series[2] - 20mm	HR.FP.9120000	Pixel Pitch 20	2500	8000	R	120 / 60	1600 x 1280 x 180	20	260 / 780		IP65 / IP54
	Pro-series[1] - 10mm	HR.FP.8310400	Pixel Pitch 10	10000	6000	F or R	140 / 100	640 x 960 x 205	10	278 / 928		IP65 / IP43
	Pro-series[1] - 12mm	HR.FP.8312600	Pixel Pitch 12	6945	6000	F or R	140 / 110	758 x 1152 x 170	12	247 / 825		IP65 / IP43
	Pro-series[1] - 16mm	HR.FP.8316600	Pixel Pitch 16	3907	6000	F or R	140 / 95	758 x 1152 x 170	16	206 / 687		IP65 / IP43

[1] LED Type: SMD LED (3-in-1)

[2] LED Type: Oval LED, 1R2G1B

[3] Definition of Servicing Access

F = Front, R = Rear

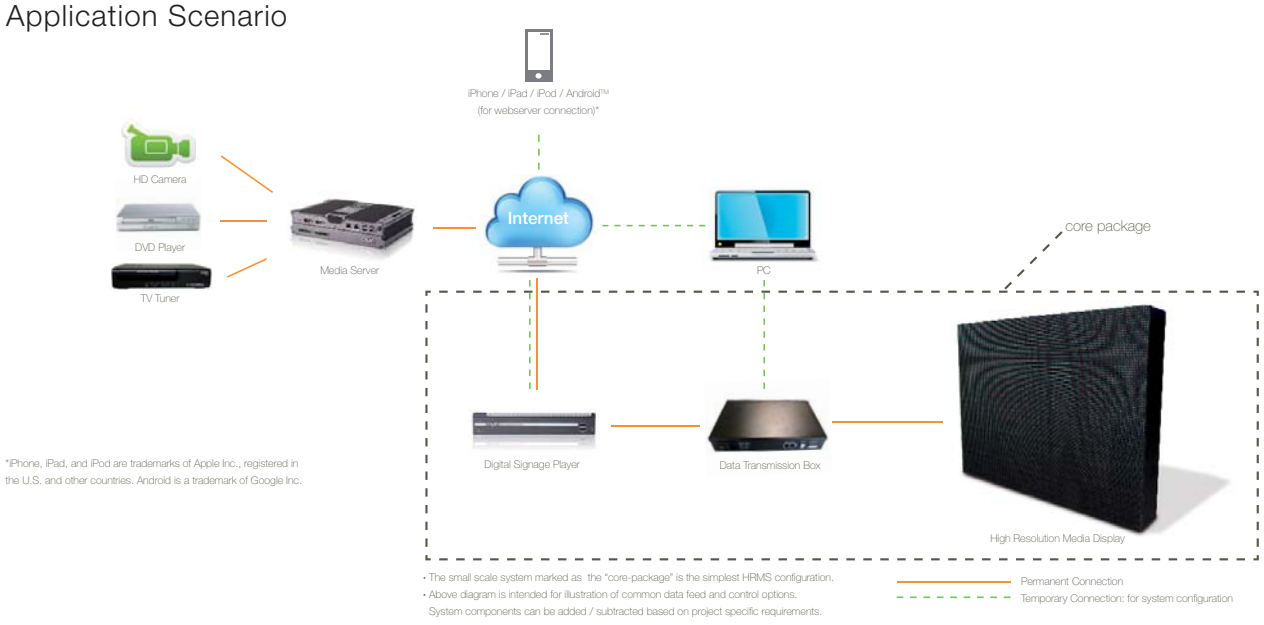
Front: Electronic components can be serviced only from the front side of the screen.

Rear: Electronic components can be serviced only from the rear side of the screen.

Front and Rear: Electronic components needs to be serviced from both sides of the screen.

Front or Rear: Electronic components can be serviced from either sides of the screen.

Application Scenario



*iPhone, iPad, and iPod are trademarks of Apple Inc., registered in the U.S. and other countries. Android is a trademark of Google Inc.

• The small scale system marked as the "core-package" is the simplest HRMS configuration.
• Above diagram is intended for illustration of common data feed and control options.
System components can be added / subtracted based on project specific requirements.

ALUCOBOND media®

Options

A combination of advanced façade materials, Solid State Lighting, and lighting control requirements informed every aspect of ALUCOBOND media®'s design. The result is an efficient and aesthetically pleasing system that facilitates ease of installation and maintenance. Using the existing substructure and a Plug'n'Play system, ALUCOBOND media® is easily combined with existing ALUCOBOND® façades. The product features rear ventilation, as well as carefully configured façade and control components for modularity; each panel and LED string is individually detachable for maintenance.

Color

ALUCOBOND media® is available in a wide spectrum of colors and surfaces from A to Z, ranging from an Anodized look, to a Zebrano wood design.

Full color options are available on:
http://www.alucobond.com/a2-colours.html

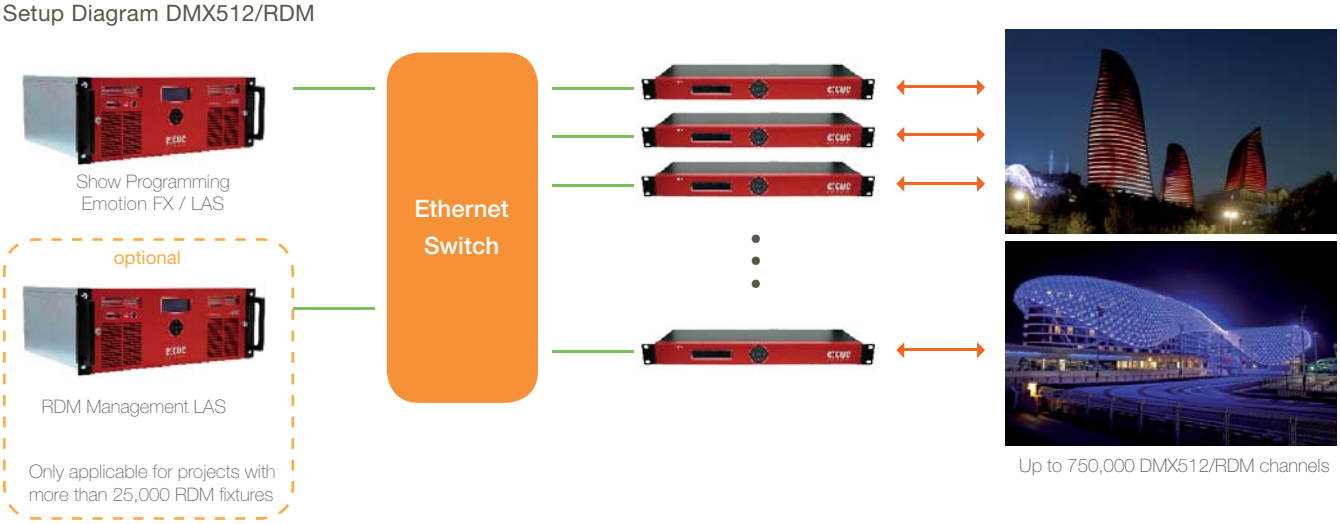
Size

- Panel Width: 500 to 3000 mm
- Panel Height: 500 to 1800 mm
- Pitch Configuration: 50 to 125 mm

LED	
LED Type	High intensity LEDs
Color	RGB
Color Range	16.7 Million additive RGB colors
Color Resolution	3 x 12-bit (RGB) per pixel
LED Pitch	62.5mm, modular from 50 to 125mm
Brightness	1700 Nits @ 62.5mm pitch / 2700 Nits @ 50mm pitch
Viewing Angle	85° horizontal. 50° vertical
# of LED	3 LEDs per pixel, 48 pixel per chain
CONTROL SYSTEM	
Addressing	Auto-addressing
Power/Data Interface	TX CONNECT®
Control	DMX512 or e:pix (DVI compatible)
Power Consumption	160 Watt/m²
Operating Voltage	48V DC
MOUNTING	
Material	ALUCOBOND® A2 (non combustible)
Weight	24.5 kg / cassette 1.5 m x 1.125 m
Operating Temp	–30°C to 50°C
Storage Temp	–40°C to 70°C
Rating	Outdoor (IP67 rated)
Humidity	0 to 90%

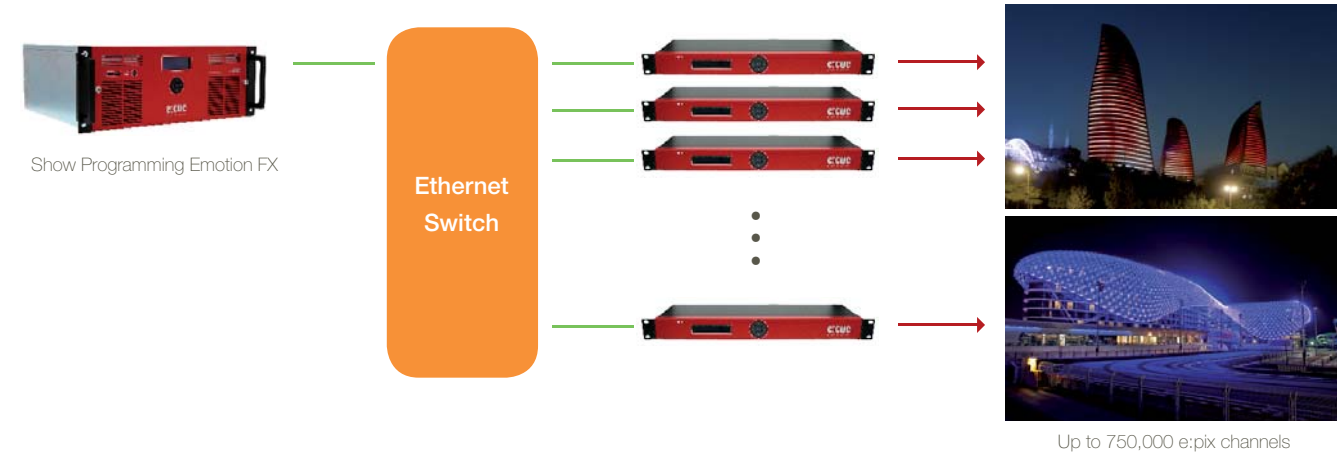
Butler PRO Application Scenario

Setup Diagram DMX512/RDM



Show Creation RDM Message Handling	Signal Distribution	Ethernet (e:net) to DMX512/RDM Gateway	DMX512/RDM fixtures

Setup Diagram e:pix



Show Creation	Signal Distribution	Ethernet (e:net) to e:pix Gateway	e:pix fixtures

DMX512/RDM
e:pix
e:net

Project Credits

P8
Flame Towers
Baku, Azerbaijan
Lighting Designer: Francis Krahe & Associates Inc. (Francis Krahe & Le Nguyen)
Architect: HOK International
Installer:
Vetas Electric & Lighting
Photography: © Florian Licht, Licht und Soehne
2012

P9
Crystal Hall
Baku, Azerbaijan
Lighting Designer: Lichtvision Designer: GMP Architekten
Photography: © Florian Licht, Licht und Soehne
2012

Maillart Bridge
Aarburg, Switzerland
Lighting Designer:
Hübschergestaltet GmbH, unabhängige Lichtgestalter
Designer:
SE Lightmanagement AG
Installer: Alpiq InTec West AG
Photography:
SE Lightmanagement
2012

Capital Gate
Abu Dhabi, UAE
Lighting Designer:
DPA Lighting Consultants
Architect: Robert Matthew, Johnson-Marshall & Partners (RMJM)
2011

P10
ESPRIT Flagship Store
Frankfurt/Main, Germany
Designer/Architect: Corneille Uedingslohmann Architekten
Installer: BEN HUR GmbH/ Lightlife GmbH
Photography: Frank Alexander Rümmele/LightLife GmbH
2010

P11
Europaallee Passage
Zurich, Switzerland
Lighting Designer: iart ag, Basel
Architect: Max Dudler Architekten, Zürich
Installer: SE Lightmanagement
Photography:
SE Lightmanagement
2012
Asian Paints "COLOUR"
New Delhi, India
Architect: Fitch, Singapore
Installer: Eurolite
Photography © Fitch
2011

Galeries Lafayette "Chrysalide"
Paris, France
Lighting Designer: Yann Kersalé
Architect: Djuric Tardio
Installer: INEO/Fayat Metal
Photography:
© AIK-Yann Kersalé
2012

P12
St. Joseph's Regional Medical Center
Paterson, USA
Lighting Designer: Rachel Calemmo, Francis Cauffman
Photography: © Todd Mason/ Halkin Photography
2010

P13
PLAY2 Chickie's & Pete's
Philadelphia, USA
Designer/Architect:
DAS Architects Inc.
Installer: APEX Electrical Services LLC
Photography: DAS Architects & Paul S. Bartholomew
2009

Vetro Bar
Essex, United Kingdom
Lighting Designer: Lightqube
Architect: Astounding Interior Design International
Photography: Steve Allen, Lightqube
2012

Anyone Who Has A Heart
Manchester, United Kingdom
Lighting Designer:
Andrew Small, Steve Almond
Installer: Adams Moulding
Photography: © Chris Foster
2011

P14
Mission Space
Neede, The Netherlands
Lighting Designer: IBG
Installer: KMG Operations
Photography © Rhalda Jansen Fotografie/Digital Video
2011

P15
CRUSH Teen Club at Atlantis
Paradise Island, Bahamas
Lighting Designer:
Focus Lighting
Photography: © Focus Lighting
2011

Lantern Wonderland 2012 "Golden Moon"
Hong Kong, China
Lighting Designer: LEDARTIST
Designer: L.E.A.D
Installer: LEDARTIST
Photography: © LEDARTIST
2012
Trans Studio Bandung Roller Coaster
Bandung, Indonesia
Installer: Andromeda Lighting
2011

P16
National Stadium
Warsaw, Poland
Lighting Designer: Licht Vision
Architect: GMP Architekten-Berlin, Germany, JSK Architekci Sp. z o.o.,Warsaw, Poland, SBP-Stuttgart, Germany
Installer: Elektrobudowa S.A
Photography: © Florian Licht, Licht und Soehne
2012

P18
MetLife Stadium
East Rutherford, NJ, USA
Lighting Designer: DLR Group
Installer: Hunt Construction
System Integrator: TS Sports
Photography © 2012 Newscast
2012

Holmenkollen
Oslo, Norway
Lighting Designer: Multiconsult / Norconsult / EngeryOptimal
Architect: JDS
Photography:
© Daniel Mikkelsen
2012

Light Up Ninja
Yokohama, Japan
Designer/Architect: Lighting Planners Associates Ltd.
2008

P20
Crystal Hall
Baku, Azerbaijan
Lighting Designer: Lichtvision
Designer: GMP Architekten
Photography: © Florian Licht, Licht und Soehne
2012

Christ the Redeemer Monument
Rio de Janeiro, Brazil
Lighting Designer: Peter Gasper
Photography: courtesy of OSRAM/Traxon
2011

Trans Studio Bandung
Roller Coaster
Bandung, Indonesia
Installer: Andromeda Lighting
2011

P22
Brooklyn Academy of Music
Brooklyn, USA
Lighting Designer:
Cline Bettridge
Bernstein Lighting Design
Photography:
Paul S. Bartholomew
2009

Capital Gate
Abu Dhabi, UAE
Lighting Designer:
DPA Lighting Consultants
Architect: Robert Matthew, Johnson-Marshall & Partners (RMJM)
2011

Geolog Stadium
Tyumen, Russia
Lighting Designer: E. Cebeci
Installer: AE – Elektropanç
2011

P24
Siemens Building Technologies Division Headquarters' Car Park
Zug, Switzerland
Designer/Architect: HEFTI. HESS. MARTIGNONI
2010

World Wide Plaza
New York City, USA
Architect: Hillmann Dibernardo Leiter Casterlli (HDLC)
Photography:
Paul S. Bartholomew
2008

Railway Bridge
Warsaw, Poland
Lighting Designer:
OSRAM Sp.zo.o
2011

P26
UNIQLO Ximen
Taipei, Taiwan
Lighting Designer: Gensler
Photography: courtesy of UNIQLO
2012

NM Lima Hotel
Lima, Peru
Lighting Designer: Claudia Paz
Installer: Arquileds
2011

The Get Down
Baltimore, USA
Lighting Designer: Digital Media Design
Photography © 2011 The Get Down
2010

P28
Holmenkollen
Oslo, Norway
Lighting Designer: Multiconsult / Norconsult / EngeryOptimal
Architect: JDS
Photography:
© Daniel Mikkelsen
2012

Subsuelo Bar
Pamplona, Spain
Architect/Installer: Inter Music
2009

T.C. Ziraat Bank Headquarters
Ankara, Turkey
Solution Provider: Kroma
2010

P30
National Stadium
Warsaw, Poland
Lighting Designer: Licht Vision
Architect: GMP Architekten-Berlin, Germany, JSK Architekci Sp. z o.o., Warsaw, Poland, SBP-Stuttgart, Germany
Installer: Elektrobudowa S.A
Photography: © Florian Licht, Licht und Soehne
2012

P32
Student Dorm "Lightpole"
Offenbach, Germany
Lighting Designer: Collaboration of students and Stefan Horn
Photography: Stefan Horn
2010

P34
Subsuelo Bar
Pamplona, Spain
Architect/Installer: Inter Music
2009

P36
BASF
Florham Park, NJ, USA
Lighting Designer:
Kugler Ning Lighting Design
Architect: Gensler
Photography: © Gensler
2012

Galeries Lafayette "La Coupole"
Paris, France
Lighting Designer: Yann Kersalé
Architect: Djuric Tardio
Installer: INEO
Photography:
© AIK-Yann Kersalé
2012

Al Gurg Trading & Projects Office
Dubai, UAE
Lighting Designer/Installer: Scientechnic
2012

Project Credits

P38
DOMO Showroom
Paris, France
Architect: Gabriel Kowalski
Lighting Designer:
Anne Bureau
Installer:
Connecting Technology
Photography:
© Gabriel Kowalski
2010

P40
Antwerp Stadsfeestzaal
Antwerp, Belgium
Designer/Architect:
Har Hollands
Installer: Maramoja & Zwijnsen
2007

Bar Blanco
Rayleigh, Essex, UK
Architect: Astounding Interior Design International
Lighting Designer: Lightqube
Photography:
Steve Allen, Lightqube
2012

Miramar Shopping Centre
Hong Kong, China
Designer/Architect:
Luminostri; Woods Bagot
Installer: Cyber Concept
2006

P42
Atlantide Sauna
Paris, France
Lighting Designer: Guillaume Bérard Agence Light Head
Architect: Ivan Broyer, Yaniv Nadler et Karine Saïdi
Photography: alcaline.fr
2011

Akmerkez Shopping Mall
Istanbul, Turkey
Installer: Ucgen Bakim ve Yonetim Hizmetleri A.S.
Designer/Architect:
Concept-I, Bangkok
2010

Subaru
Tokyo, Japan
Designer/Architect:
SD corp. Mr TAKAO
NAKAJIMA & TOPS corp
KATUMI ISHII
2008

P44
Cube Chandelier
Zwolle, The Netherlands
Designer:
Herman ter Hennepe
Installer:
Maramoja Projects bv
Photography:
© Maramoja Projects
2011

Palazzo Grassi Museum
Venice, Italy
Designer/Architekt:
Piotr Uklanski
2009

Pachinko ZAP Ofuna Hall
Kanagawa, Japan
Designer / Architect: HAU'Z co., Ltd. / KERUN co., Ltd.
2009

P46
TV Today Network Studio
Noida, India
Lighting Designer: LDG (Lighting Design Group)
Installer: Pico
Photography: © TV Today
2012

Pitt Street Mall
Sydney, Australia
Lighting Designer:
Haron Robson Lightmatters
Architect:
Tony Caro Architecture
Photography: © OSRAM
2012

P48
Maillart Bridge
Aarburg, Switzerland
Lighting Designer:
Hübschergestaltet GmbH, unabhängige Lichtgestalter
Designer:
SE Lightmanagement AG
Installer: Alpiq InTec West AG
Photography:
SE Lightmanagement
2012

EVO Crane
Offenbach, Germany
Designer/Architect:
Hochschule für Gestaltung Offenbach; Sebastian Herkner & Reinhard Dienes, MESO Digital Interiors
Photography:
Om Photo Design
2010

Student Dorm "Lightpole"
Offenbach, Germany
Lighting Designer:
Collaboration of students and Stefan Horn
Photography: Stefan Horn
2010

P52
David H. Koch Theater,
Lincoln Center
New York City, USA
Designer/Architect: Diller Scofidio + Renfro/Tillotson Design Associates
Installer: Evans and Paul
Photography: © Iwan Baan
2009

P54
La Géode
Paris, France
Designer/Architect:
Adrien Lambert
Installer: ZACHARIE, RDL
Photography:
Nicolas Descottes
2010

P56
IBM Executive Briefing Center
Rome, Italy
Architect: Massimo Iosa Ghini
Installer:
Sangalli Technologies Srl.
Photography:
Sangalli Technologies Srl.
2011

YBM GangNam Center
Seoul City, South Korea
Lighting Designer/Installer:
B2 co.Ltd
Architect: MAC ENC
2012

FireKeepers Casino
Battle Creek, USA
Lighting Designer: Creative Lighting Design & Engineering
Installer: Swan Electric
Photography:
© Kevin A. Beswick
2009

P58
Priscilla Queen of the Desert The Musical
New York City, USA
Designer/Architect:
Nick Schlieper
Installer:
Hudson Scenic Studio
Photography: © Joan Marcus
2010

Air Navigation Tower
Batumi, Georgia
Architect:
Mr. Michelle de Lucchi
Installater: LTD Insta
2012

Oskar-von-Miller-Tower
Munich, Germany
Architect: Deubzer, König & Rimmel Architects
Designer: Lichttechnik Martin Klingler
Installer: Eventa AG
Photography:
© Bertil Felsch / eventa AG
2010

P60
Silo 468
Helsinki, Finland
Lighting Designer: Lighting Design Collective
Installer: YIT
Photography:
© Hannu Iso-Oja
2012

Le Front 3D Cube
Kawasaki, Kanagawa, Japan
Lighting Designer: Lighting System LTD.
Photography © Masaru Satou
2012

ESPRIT Flagship Store
Frankfurt/Main, Germany
Designer/Architect: Corneille Uedingslohmann Architekten
Installer: BEN HUR GmbH/ Lightlife GmbH
Photography: Frank Alexander Rümmele/LightLife GmbH
2010

P62
National Stadium
Lima, Peru
Lighting Designer:
Claudia Paz
Architect: Jose Bentin Diez Canseco
Installer: CAM/Arquileds
Photography:
© Pablo Moreno
2011

Los Libertadores Bridge
Lima, Peru
Designer/Architect:
Claudia Paz
Installer: CAM Peru
Photography:
© Pablo Moreno
2010

The Detroit People Mover:
Millender Station
Detroit, USA
Lighting Designer:
Barbara Bouyea
Installer: Hoover Electric
Architect:
Steven C. Flum, Inc.
Project Manager: John Just
Photography:
© Beth Singer Photographer
2011

P64
Triumph
Vienna, Austria
Designer / Architect:
EasyLife Schütz GmbH
Installer: EasyLife Schütz GmbH
2011

Shanghai World EXPO
Shanghai, China
Architect: IDG
Installer: Cyber Concept
2010

Lutron Showroom
New York City, USA
Lighting Designer:
Cline Bettridge Bernstein Lighting Design
Installer: Celtic Construction
Photography:
© Sarah Prange
2009

P66
Tischlerei Mayrhofer
Pasching, Austria
Architect/Designer/Installer:
Schütz-Technik GmbH
2011

Kungsmässan
Kungsbacka, Sweden
Architect/Designer:
Henning Cederquist
Installer: Elhjältarna AB
2011

High Resolution Media
System installation
Created by
VIDE Virtual Design
2011

P68
Grand Stade Lille Métropole
Lille, France
Architect:
Valode & Pistre / Pierre Ferret
Installer: EIFFAGE GROUP
Photography:
HAVER & BOECKER
2012

Haver & Boecker
Headquarters
Oelde, Germany
Designer/Architect:
HAVER & BOECKER
2009

P70
Flame Towers
Baku, Azerbaijan
Lighting Designer: Francis Krahe & Associates Inc. (Francis Krahe & Le Nguyen)
Architect: HOK International
Installer:
Vetas Electric & Lighting
Photography: © Florian Licht, Licht und Soehne
2012

P72
ALUCOBOND media®
Axel Springer Project
Hamburg, Germany
Lighting Designer:
Thomas Notholt
Architect: Axel Bühring Architekturbüro
System Integrator: StageLED
Photography: Kristof Lemp
2012

P74
Grand Stade Lille Métropole
Lille, France
Architect:
Valode & Pistre / Pierre Ferret
Installer: EIFFAGE GROUP
Photography:
HAVER & BOECKER
2012

P76
Anyone Who Has A Heart
Manchester, United Kingdom
Lighting Designer:
Andrew Small, Steve Almond
Installer: Adams Moulding
Photography: © Chris Foster
2011

P78
YAS Marina Hotel
Abu Dhabi, UAE
Lighting Designer:
ARUP Lighting, New York
Architect:
Asymptote Architecture
2009

P80
Coface Arena
Mainz, Germany
Lighting Designer: Michael Batz
Installer:
Zimmermann Lightsolutions
Photography:
© Norbert Miguletz
2011

P82
Lantern Wonderland 2012
"Golden Moon"
Hong Kong, China
Lighting Designer: LEDARTIST
Designer: L.E.A.D
Installer: LEDARTIST
Photography: © LEDARTIST
2012

P84
Galeries Lafayette "Chrysalide"
Paris, France
Lighting Designer: Yann Kersalé
Architect: Djuric Tardio
Installer: INEO/Fayat Metal
Photography:
© AIK-Yann Kersalé
2012

P86
Galeries Lafayette "Chrysalide"
Paris, France
Lighting Designer: Yann Kersalé
Architect: Djuric Tardio
Installer: INEO/Fayat Metal
Photography:
© AIK-Yann Kersalé
2012

South Street Bridge
Philadelphia, USA
Lighting Designer: Lighting
Design Collaborative (LDC)
Architect: H2L2
Installer: Miller Brother's Electric
& Marine Glass Specialties
Photography:
© Sarah Prange
2012

FC-Bayern Erlebniswelt
Munich, Germany
Lighting Designer:
Ulrike Brandi Licht,
Beatrice Seidt
Photography: © Michael Kayser
for OSRAM
2012

P88
Silo 468
Helsinki, Finland
Lighting Designer:
Lighting Design Collective
Installer: YIT
Photography: © Hannu Iso-Oja
2012

Pitt Street Mall
Sydney, Australia
Lighting Designer: Haron
Robson Lightmatters
Architect: Tony Caro
Architecture
Photography courtesy of
OSRAM
2012

EUMETSAT
Darmstadt, Germany
Architect: Pielok Marquardt
Architekten
Installer: Bauer
Elektroanlagen GmbH
Photography: by
www.koculak.de
2012

P90
Brooklyn Academy of Music
Brooklyn, USA
Lighting Designer:
Cline Bettridge Bernstein
Lighting Design
Installer: Mackey Reed Electric
Photography:
Paul S.Bartholomew
2009

T.C. Ziraat Bank Headquarters
Ankara, Turkey
Solution Provider: Kroma
2010

Los Libertadores Bridge
Lima, Peru
Lighting Designer: Claudia Paz
Installer: CAM Peru
Photography: Pablo Moreno
2010

P92
OVO
Lyon, France
Lighting Designer/Installer:
ACT Lighting Design
Photography: © Lucia Carretero
2010

Vetro Bar
Essex, United Kingdom
Lighting Designer: Lightqube
Architect: Astounding
Interior Design International
Installer: Oculux
Photography: by Steve Allen,
Lightqube
2012

P94
National Stadium
Warsaw, Poland
Lighting Designer: Licht Vision
Architect: GMP Architekten-
Berlin, Germany, JSK Architekci
Sp. z o.o.,Warsaw, Poland,
SBP-Stuttgart, Germany
Installer: Elektrobudowa S.A
Photography: © Florian Licht,
Licht und Soehne
2012

National Stadium
Lima, Peru
Lighting Designer: Claudia Paz
Architect: Jose Bentin
Diez Canseco
Installer: CAM/Arquileds
Photography: © Pablo Moreno
2011

Europaallee Passage
Zurich, Switzerland
Lighting Designer: iart ag, Basel
Architect: Max Dudler
Architekten, Zurich
Installer: SE Lightmanagement
Photography:
SE Lightmanagement
2012

P100
TV Today Network Studio
Noida, India
Lighting Designer:
LDG (Lighting Design Group)
NY, USA
Installer: Pico
Photography: © TV Today
2012

P102
O'Hare International Airport
Terminal 5
Chicago, USA
Photography:
© Sarah Prange
2011

P104
AOK Pediatric Clinic
Berlin, Germany
Architect/Designer: lichtraeume
2011

Klehr Harrison Harvey
Branzburg LLP
Philadelphia, USA
Designer: Rachel Calemmo,
Francis Cauffman
Architect: Francis Cauffman
Photography:
© Francis Cauffman
2010

Washington Hospital Center
Washington, D.C., USA
Installer: Evans & Paul
Photography: © DuPont.
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2009

St. Joseph's
Regional Medical Center
Paterson, USA
Lighting Designer:
Rachel Calemmo, LC LEED AP,
Francis Cauffman
Photography: © Todd Mason/
Halkin Photography
2010

P106
Quality Alexandra Hotel
Molde, Norway
Designer/Architect:
Hotell Contract Interiør AS
2008

Light Up Ninja
Yokohama, Japan
Designer/Architect: Lighting
Planners Associates Ltd.
2008

La Suite Casablanca
Casablanca, Morocco
Designer / Architect:
Christophe Biche
Installer:
Emmanuel Renoux / Acoram
2010

DOMO Showroom
Paris, France
Architect: Gabriel Kowalski
Lighting Designer:
Anne Bureau
Installer: Connecting
Technology
Photography:
© Gabriel Kowalski
2010

P110
DOMO Showroom, Paris,
France
Architect: Gabriel Kowalski
Lighting Designer:
Anne Bureau
Installer: Connecting Technology
Photography:
© Gabriel Kowalski
2010

P112
Belfast: Streets Ahead
Belfast, Northern Ireland
Lighting Designer: Atkins
Installer: AVL Systems
Photography: © AECOM
by David Lloyd
2011

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