traxone:cue

AN OSRAM BUSINESS

Product Catalogue 2016

Dynamic Lighting & Control Solutions

Your light. Our passion.

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JR Tokyo Station, Tokyo, Japan

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.

Index

about

Trade Fair Booth, Light + Building 2012, Frankfurt am Main, Germany

Trade Fair Booth, Light + Building 2012, Frankfurt am Main, Germany

About OSRAM

OSRAM, based in Munich, is a globally leading lighting manufacturer with a history dating back more than 100 years. The portfolio ranges from high-tech applications based on semiconductor technology, such as infrared or laser lighting, to smart and connected lighting solutions in buildings and cities. OSRAM had around 33,000 employees worldwide at the end of fiscal 2015 (September 30) and generated revenue of almost €5.6 billion in that fiscal year. The company is listed on the stock exchanges in Frankfurt and Munich (ISIN: DE000LED4000; WKN: LED400; trading symbol: OSR). Additional information can be found at www.osram.com.

About OSRAM Lighting Solutions

OSRAM Lighting Solutions sets new standards regarding innovative, custom-designed and performance-driven professional lighting solutions for complete spectrum of light, creating added value for customers around the world. Company's passion, knowledge and spirit about all aspects of light leads to breathtaking, innovative and state-of-the-art professional lighting projects for a sustainable and energy-efficient future.

About Traxon Technologies

Traxon Technologies, an OSRAM brand, is a global leader in solid state lighting and control systems creating intelligent dynamics lighting solutions. Working with an extensive partner network, Traxon, together with its control brand e:cue, transforming creative vision into unforgettable lighting experiences, elevating architectural, entertainment, hospitality, and retail environments around the world. For further information, see www.traxontechnologies.com

For more information visit:

www.traxontechnologies.com

www.lightingsolutions.osram.com/asia

traxon e:cue
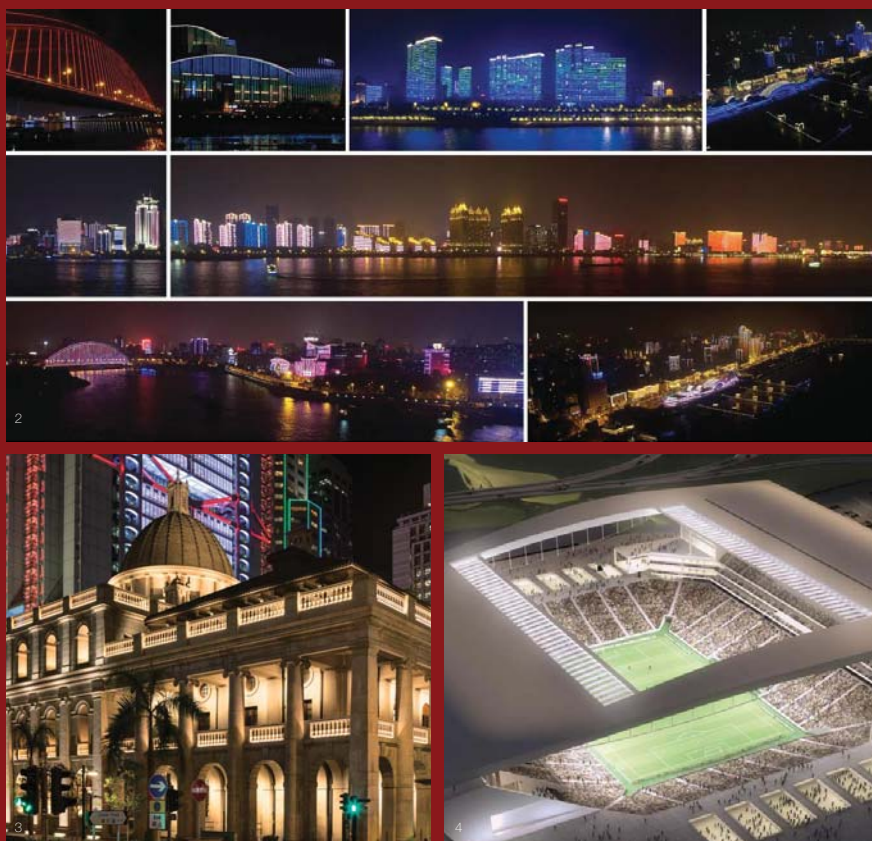AN OSRAM BUSINESS

1

Light & Architecture

Historic Buildings, Bridges, Stadiums, Landmarks...

[1] San Mamés Stadium,
Bilbao, Spain

[2] Wuhan Two Rivers and
Four Banks, Wuhan, China

[3] Court of Final Appeal,
Hong Kong, China

[4] Arena Corinthians,
São Paulo, Brazil

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.

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Light & Retail

Facades, Ambient Interiors, Displays...

[1] Galeries Lafayette,
"Chrysalide",Paris, France
[2] OPTIMALL,
Hong Kong, China
[3] Möbel Martin,
Mainz, Germany
[4] Stockmann Department Store,
Helsinki, Finland

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.

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1

Light & Hospitality

Healthcare, Hotels, Bars & Restaurants, Commercial Spaces...

[1] Grand Hyatt Incheon,
Incheon, South Korea
[2] Jammertal Golf & Spa Resort,
Datteln, Germany
[3] WU Mensa Vienna,
Vienna, Austria
[4] Hotel Pullman, Ibirapuera,
São Paulo, Brazil

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.

traxon e:cue
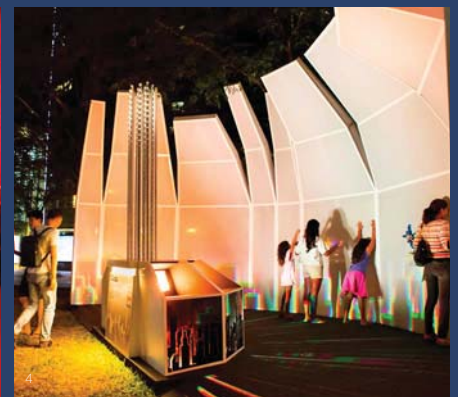AN OSRAM BUSINESS

Light & Entertainment

Casinos, Clubs, Festive Lighting...

[1] Norwegian Cruise Line,
Papenburg, Germany
[2] Bloom Pavilion,
Macau, China
[3] Harpa Concert Hall,
Reykjavík, Iceland
[4] i Light Marina Bay 2016,
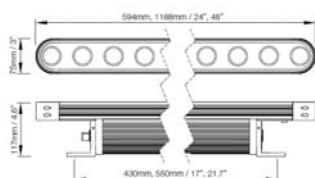"C'scape", Singapore

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.

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Brookfield Place (Heritage Façade), Toronto, ON, Canada

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.

National Gymnastics Arena, Baku, Azerbaijan

Liner Quattro AC XB RGBW

Liner Quattro AC XB RGBW is a powerful but energy efficient, full-color RGB plus W IP66 rated outdoor luminaire designed for architectural color-changing facade lighting and outdoor high brightness flood lighting applications. The intelligent and powerful outdoor LED Liner Quattro AC XB RGBW provides superior close-field color mixing and light performance suitable for urban and coastal environments with a variety of beam options ranging between 13°, 60°, 30° x 15° and 75° x 40°. The flexible luminaire mounting allows the Liner Quattro AC XB RGBW can both be used for wall washing and flood lighting applications, while guaranteeing a vast light output of 1494 lm (600 mm) and 2922 lm (1200 mm).With active over-temperature protection, Liner Quattro AC XB RGBW enjoys a longer LED lifetime compared to other luminaires in its category. Remote Device Management (RDM), simple configuration and addressing makes it an easy to install and maintain luminaire for powerful illumination of office buildings, shopping malls, bridges, hotels and stadiums.

Powered by AC line voltage – AC line voltage (120V - 277V) eliminates external power supplies enabling quick project setup thus lower maintenance cost.

Seamless color mixing – Linear illumination with superior harmonic light and close-field color mixing because of 16.7 million RGB plus W colors.

Configuration – DMX control with Remote Device Management, with easy configuration and auto-addressing capabilities.

Longer lifetime – Active over-temperature protection of the luminaire and therefore suitable as well for coastal environment applications.

Multiple fixture lengths – Available in 24" and 48" to accommodate varying space requirements.
Efficacy – 34 lm/W

Technical Specifications & Options

| BEAM ANGLE	13° 60° 30° x 15° 75° x 40°		
COLOR	4000K RGBW		
ENVIRONMENT	IP66 Suitable for Coastal Environment		
LUMINOUS FLUX	1494/2922 lm		
EFFICACY	34 lm/W		
POWER CONSUMPTION	46W/85W		

* Washer Quattro will be released in November 2016. For more detail information, please contact your regional sales office.

Shanghai Tower, Shanghai, China | Libeskind Sculptures, Milan, Italy | Biaxial Tower, Massachusetts Institute of Technology (MIT) Campus Cambridge, MA, USA

Washer Allegro AC XB

Washer Allegro AC XB-36

228mm

228mm

95mm

300mm
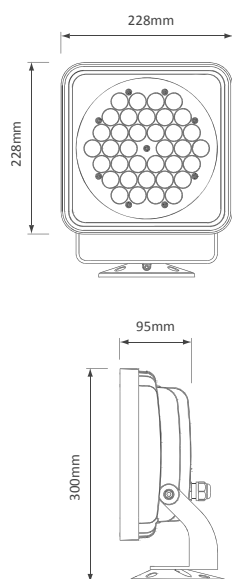
Washer Allegro AC XB is a high output, energy efficient, compact lighting solution for outdoor environments. Powered directly with AC line voltage, the Washer Allegro AC XB is ideal for many types of exterior architectural, retail, and hospitality applications. Equipped with flicker-free phase cut dimming capabilities[1], it offers a broad range of colors including RGB, three (white) CCT options, and Dynamic White, and various beam spreads, making it suitable for a wide range of flood, direct and indirect illumination where a cost-effective solution is required. Washer Allegro AC XB's simple Plug'n'Play cabling and connection make installation quick and easy.

Powered by AC line voltage AC line voltage (120V/ 230V/ 277V[2]) eliminates the need for external power supplies and enables long chains.

High output and efficacy 25 lm/W (RGB); 67 lm/W (3000K); 74 lm/W (4000K); and 92 lm/W (6500K), 1220 lumens (RGB version) and 2631-3629 lumens (white versions).

Multiple color options Controlled via DMX512, the extremely efficient RGB 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 lend sophisticated ambiance to various outdoor environments.

Phase cut dimming[1] Washer Allegro AC XB's three white product versions offer 5% - 100% dimming resolution without flickering.

Flexible aiming The product is equipped with an adjustable bracket for flexible beam aiming.

Various options 7°, 20°, 30° and 40° spreads offer gentle illumination or more focused grazing.

Simple cabling and connection Washer 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	7°	20°	30°	40°	
COLOR	RGB	3000K Warm White	4000K Neutral White	6500K Cold White	2700K-6500K Dynamic White
ENVIRONMENT	IP66	Suitable for Coastal Environment			
LUMINOUS FLUX EFFICACY	White Luminous Flux: 2631 - 3629 lm Efficacy : 67 - 92 lm/W Power Consumption: 44W		RGB Luminous Flux: 1340 lm Efficacy : 26 lm/W Power Consumption: 52W		
ACCESSORIES	Wall Mount Arm	Glare Shield	Angled Glare Shield	Celling Trim	

[1] Phase cut dimming available in white version only
[2] Minimum order quantity may apply for 277V. For more information please contact your regional sales office.
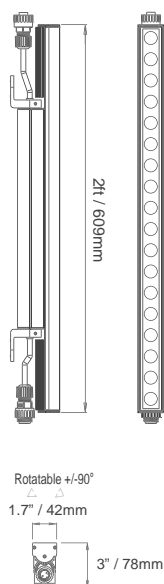
Nano Liner Allegro AC XB
IES Progress Report
Accepted
2013

Box Park, Dubai, UAE | Melbourne Cricket Ground, Melbourne, Australia | NH Collection Eurobuilding Madrid, Madrid, Spain

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Nano Liner Allegro AC XB

Nano Liner Allegro AC XB-18

2ft / 609mm

Rotatable +/-90°

1.7" / 42mm

3" / 78mm

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, three (white) CCT options, and Dynamic White, 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/ 277V[2]) eliminates the need for external power supplies and enables extended run lengths up to 50 feet (120V), 80 feet (230V), or 90 feet (277V).

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 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 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	2700K-6500K Dynamic White
ENVIRONMENT	IP66	Suitable for Coastal Environment			
LUMINOUS FLUX EFFICACY	White Luminous Flux: 635 - 865 lm/ft Efficacy : 60 - 84 lm/W Power Consumption: 11 W/ft		RGB Luminous Flux: 300 lm/ft Efficacy : 23 lm/W Power Consumption: 12.4 W/ft		
ACCESSORIES	Wall Mount Arm	Louver			

[1] Phase cut dimming available in white version only
[2] Minimum order quantity may apply for 277V. For more information please contact your regional sales office.

National Stadium, Warsaw, Poland

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 Nano Liner Allegro AC XB fixtures in specially designed housing on 72 beams around the stadium. Additionally, one Washer Allegro AC XB fixture is installed atop each of the 72 columns surrounding the venue, creating a combined lighting effect. 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 2 (LCE2) and Butler S2, 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

Nano Liner Allegro
AC XB

Washer Allegro
AC XB

DMX512

SYMPL Core S

SYMPL DMX Node

SYMPHOLIGHT

Control

BASF Corporation, Florham Park, NJ, USA

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. Plug'n'Play cabling and connection make installation quick and easy regardless of the scale of installation.

Young Living Japan Showroom Lounge,Tokyo, Japan | Al Gurg Trading & Projects Office, Dubai, UAE

Cove Light AC HO RGBW / RGB Graze

AC HO RGBW   AC HO RGB Graze

304mm, 608mm, 913mm / 12", 24", 36"

304mm, 1217mm / 12", 48"

50mm/2"   60mm/2.4"

39mm/1.5"   39mm/1.5"
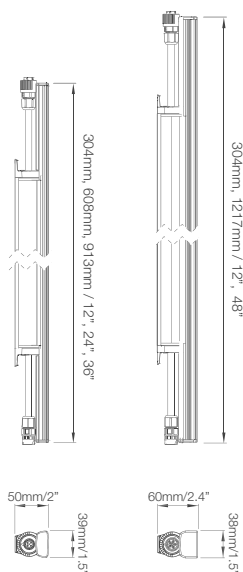
Cove Light AC HO RGBW is a high output, energy efficient LED cove fixture that is capable of producing high quality white light and dynamic colored lighting for a wide range of indoor lighting applications from alcove to wall grazing and indirect illumination. Comprising pure white and RGB LEDs in optimized confi guration, Cove Light AC HO RGBW truly generates seamless color mixing and unlimited lighting effects. Alternatively, the Cove Light AC HO RGB Graze, with precision optics, provides a longer beam throw for wall washing/grazing effects. Equipped with 180° rotation axis for flexible aiming, the versatile design is available in different lengths for flexible installation up to 96 feet long. The simple cabling and connection make installation quick and easy. Cove Light AC HO RGBW / RGB Graze is the perfect solution for a wide range of indoor lighting applications in retail, hospitality, and entertainment environments.

Powered by AC line voltage 120/240/277V AC line voltage eliminates external power supplies enabling quick project setup thus lowers maintenance cost.

True full color RGBW 4 channel RGBW control to provide true full color dynamic effect.

Seamless color mixing Superior and flawless color consistency.

Flexible aiming 180° rotation axis allows flexible mounting and positioning in various environments.

Versatile design Low profile linear cove fixtures can produce solid white, solid color, dynamic white or color-changing light at various levels of intensity.

Simple cabling and connection Can be daisy-chained up to 32 units or 96 feet allowing extended run lengths.

High output and efficacy Light output of 280-329 lm/ft and an efficacy of 23-30 lm/W.

Multiple fixture lengths Available in 1ft, 2ft*, 3ft lengths (RGBW) and 1ft & 4ft lengths (RGB Graze) to accommodate varying space requirements.

Technical Specifications & Options

	Cove Light AC HO RGBW	Cove Light AC HO RGB Graze
BEAM ANGLE	120°	50° x 10° 60° x 30°
COLOR	RGBW W: 3000K	RGB
ENVIRONMENT	INDOOR	INDOOR
LUMINOUS FLUX	329 - 978 lm/ft	281 - 1081 lm/ft
EFFICACY	30 lm/W	23 lm/W
CONTROL	DMX	DMX
POWER CONSUMPTION	11 - 39 W/ft	12.5 - 50 W/ft

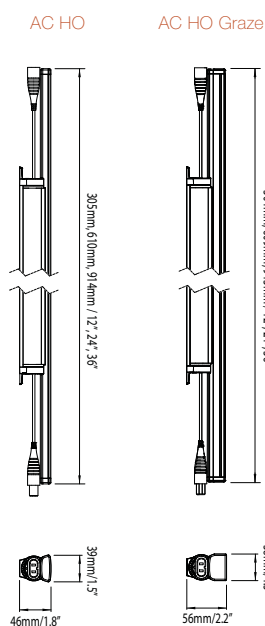* Non standard item(s). Please clarify availability with the regional sales office.

Cove Light AC HO
IES Progress Report
Accepted
2013

Public Library Foyer, Vancouver, Canada | Staircase in the Stadthof, Zurich, Switzerland | Subsuelo Bar, Pamplona, Spain

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Cove Light AC HO / HO Graze

AC HO   AC HO Graze

305mm, 610mm, 914mm / 12", 24", 36"

304mm, 609mm, 913mm / 12", 24", 36"

39mm/1.5"

38mm/1.5"

46mm/1.8"

56mm/2.2"

Cove Light AC HO/ HO Graze (High Output) is superiorly bright and 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 efficacy at a competitive price, Cove Light AC HO/ HO Graze is ideal for projects that require seamless white light color consistency, ultra energy efficiency and flicker-free wide range dimming. Its simple Plug'n'Play cabling and connection make installation quick and easy.

Powered by AC line voltage AC line voltage (120/ 240/ 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 lenghts, 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 60° x 30°[1], 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 (240V) 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°		
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/ft - 744 lm/ft				
EFFICACY[2]	60 lm/W - 69 lm/W				
POWER CONSUMPTION	11 W/ft				
ACCESSORIES	Louver				

[1] Non standard item(s). Please clarify availability with the regional sales office.
[2] Range is respective to color temperature from 2700K - 4000K.
See technical specification sheet page from www.traxontechnologies.com for details.
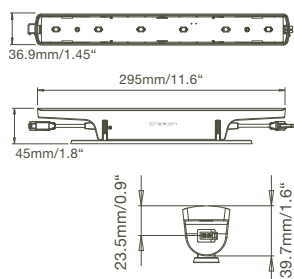
Cove Light AC Dim
Production Innovation Awards (PIA)
PIA12 - Category: Cove/ Linear/ Wall Wash
2012

Nemours Children's Hospital, Orlando, FL, USA | Corporate Office Break Room, Overland Park, KS, USA | BASF Corporation, Florham Park, NJ, USA

Cove Light AC Dim

36.9mm/1.45"

295mm/11.6"

45mm/1.8"

23.5mm/0.9"

39.7mm/1.6"

Cove Light AC Dim is 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 Dim is suitable for a wide range of applications in architectural, hospitality, and residential environments for general lighting, wall washing, and alcove illumination. It is a cost efficient, energy smart solution, with a high output of 339 - 454 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.

Wide range of CCT output Highly efficient LEDs output a variety of dedicated color temperatures ranging from a crisp 6500K[1], to comforting hues of warm (2700K, 3000K, 3500K), and neutral (4000K) white.

Flexible aiming Cove Light AC Dim is equipped with a 180° rotation axis and locking rotations in 5° increments for flexible aiming.
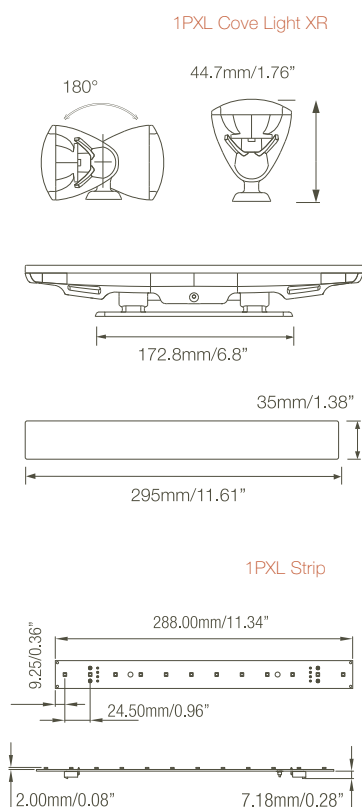
Daisy-chain topology, simple cabling and connection Cove Light AC Dim can be daisy-chained up to 75 units (120V), 150 units (220V), or 200 units (277V) per power run and is connectable with Plug'n'Play topology thus enabling easy dimming without additional wiring control, and lowering installation and maintenance costs.

Technical Specifications & Options

BEAM ANGLE	135°				
COLOR TEMPERATURE	2700K Warm White	3000K Warm White	3500K Warm White	4000K Neutral White	6500K Cold White[1]
ENVIRONMENT	INDOOR				
LUMINOUS FLUX	339 lm/ft - 454 lm/ft				
EFFICACY / INPUT POWER	48 lm/W - 65 lm/W				
POWER CONSUMPTION	7W				
DIMMING	Compatible with leading/trailing edge phase-cut dimmers[2]				
ACCESSORIES	Mounting Track				

[1] Non standard item(s). Please clarify availability with the regional sales office.
[2] Check compatible dimmer list at www.traxontechnologies.com

Al Gurg Trading & Projects Office, Dubai, UAE | Galeries Lafayette 'La Coupole', Paris, France | Washington Hospital Center, Washington D.C., USA

Cove Light AC HE

41.4mm/1.63"   31.8mm/1.25"

287.4mm/11.31"

traxon

22.8mm/0.90"

45mm/1.77"   180°

36.3mm/1.43"
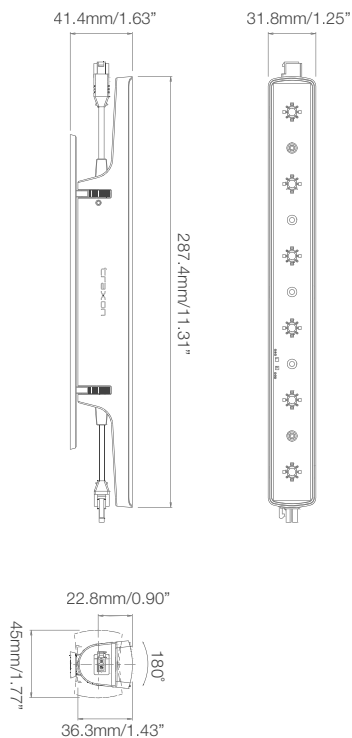
Cove Light AC HE is the model of efficient simplicity. This highly energy and cost-efficient solution is a strong alternative to traditional linear incandescent or fluorescent ambiance and alcove lighting options. Cove Light AC HE's low profile, AC line voltage and daisy chain topology allow for up to 150 units per power run at 110V, and 300 units per power run at 230V. 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.

Extremely Efficient Cove Light AC HE is a high output, low energy fixture offering an efficacy of 60 to 68 lumens per watt and uses 3.1 W/ft (120V), 3.4 W/ft (220V).

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 120V, and 300 units per power run at 230V.

Three color temperatures Highly efficient LEDs output a variety of two 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°		
COLOR TEMPERATURE	2700K Warm White	3000K Warm White	4000K Neutral White
ENVIRONMENT	INDOOR		
LUMINOUS FLUX	185 lm/ft - 211 lm/ft		
EFFICACY	60 lm/W - 68 lm/W		
POWER CONSUMPTION	3.4W (220V)		
ACCESSORIES	Mounting Track		

Dylan's Candy Bar, New York, NY, USA | Hyatt Regency Fukuoka La Frasca, Fukuoka, Japan

1PXL Cove Light XR
1PXL Strip

1PXL Cove Light XR

180°

44.7mm/1.76"

172.8mm/6.8"

35mm/1.38"

295mm/11.61"

1PXL Strip

288.00mm/11.34"

9.25/0.36"

24.50mm/0.96"

2.00mm/0.08"

7.18mm/0.28"

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 (24V) and data (DMX512) are combined into one cable with the simple TX CONNECT® system, a universal system that enables Plug'n'Play set up.

Technical Specifications & Options

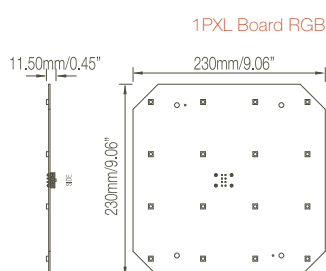|	**1PXL Cove Light XR**	**1PXL Strip**
BEAM ANGLE	120°	120°
COLOR	RGB 2700K* Warm White 6500K* Cold White 2700K - 6500K Dynamic White	RGB 2700K* Warm White 6500K* Cold White 2700K - 6500K Dynamic White
ENVIRONMENT	INDOOR	INDOOR
LUMINOUS FLUX	144 lm (CW), 85 lm (WW), 225 lm (DW) 83 lm (RGB)	93.6 lm (RGB), 254 lm (DW), 164.9 lm (CW), 92 lm (WW)
EFFICACY	36.4 lm/W (CW), 24.7 lm/W (WW), 31.5 lm/W (DW), 22 lm/W (RGB)	25 lm/W (RGB), 35.5 lm/W (DW) 41.7 lm/W (CW), 26.7 lm/W (WW)
POWER CONSUMPTION	5W (CW & WW), 10W (DW), 6W (RGB)	5W (CW & WW), 6W (RGB), 10W (DW)
INPUT POWER	24 VDC – Utilizes LED Engine Universal PSU (100-280V)	24 VDC – Utilizes LED Engine Universal PSU (100-280V)

* Non standard item(s). Please clarify availability with the regional sales office.
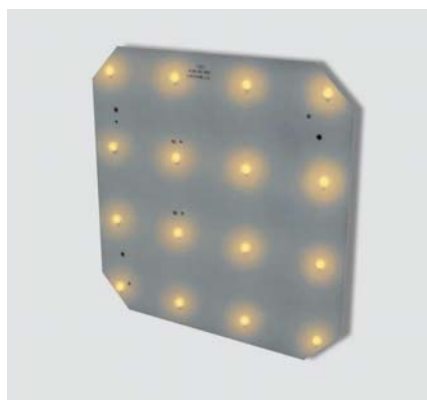
Pachinko ZAP Ofuna Hall, Kanagawa, Japan | V City Mall, Hong Kong, China

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

1PXL Board RGB

11.50mm/0.45"   230mm/9.06"

230mm/9.06"

Add-on Strip & Add-on Board

⌀6.85mm/0.23" (2x)

105mm/4.13"

105mm/4.13"

42.50 mm/1.67"

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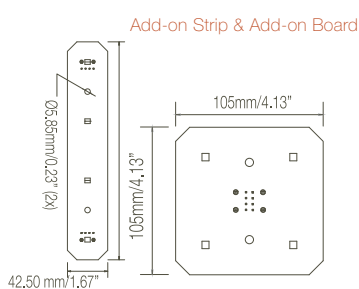
Medium pixel pitch, wide beam angle 1PXL Board offers a 62.5 mm pixel pitch and a wide beam angle of 120°, making them efficient tools for low resolution graphics, decorative illumination, or stunning backlighting on varying levels of complexity.

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 (24V) and data (DMX512) are combined into one cable with the simple TX CONNECT® system, a universal system that enables Plug'n'Play set up.

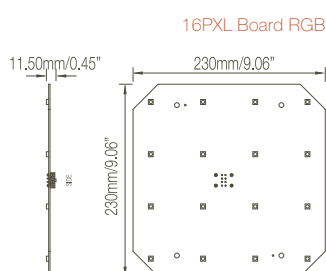## Technical Specifications & Options

|	1PXL Board	4PXL Add-on Board & Add-on Strip
BEAM ANGLE	120°	120°
COLOR	RGB 2700K Warm White 6500K Cold White 2700K - 6500K Dynamic White	RGB
ENVIRONMENT	INDOOR	INDOOR
LED PITCH	62.5 mm/2.5"	62.5 mm/2.5"
INPUT POWER	24 VDC – Utilizes LED Engine Universal PSU (100-280V)	24 VDC – Utilizes LED Engine Universal PSU (100-280V)

Nemours Children's Hospital, Orlando, FL, USA | Chevy Chase Pavilion, Washington, D.C., USA | Lighting Technology Manufacture, Leipzig, Germany

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

16PXL Board RGB

11.50mm/0.45"   230mm/9.06"

230mm/9.06"

Add-on Strip & Add-on Board

⌀5.85mm/0.23" (2x)

105mm/4.13"

105mm/4.13"

42.50 mm/1.67"

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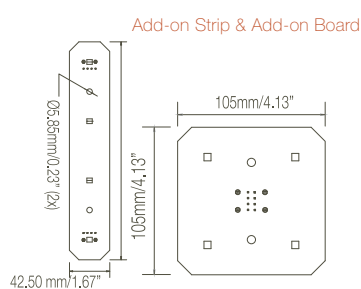
Medium pixel pitch, wide beam angle 16PXL Board RGB offers a 62.5mm pixel pitch and a beam angle of 120°, making them efficient tools for low resolution graphics, text, and video replay on varying levels of complexity.

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 (24V) and data (DMX512) 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
LED PITCH	62.5 mm/2.5"	62.5 mm/2.5"
INPUT POWER	24 VDC – Utilizes LED Engine Universal PSU (100-280V)	24 VDC – Utilizes LED Engine Universal PSU (100-280V)

Burj Al Salam Tower, Dubai, UAE | Radisson Blu Hotel, Frankfurt, Germany | Oil Port Bridge Raunheim, Germany

Monochrome Tube

995mm/39.2"

17mm/0.67"

21.1mm/0.83"

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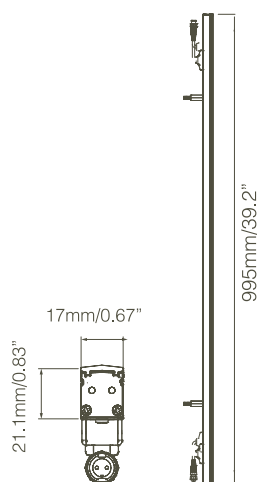
Sleek, slim profile The slender fixture housing allows Monochrome Tube to fit into the smallest of installation spaces. Though small and easily hidden from view, Monochrome Tube continues to deliver even strips of white light.

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

BEAM ANGLE	120°
COLOR	2700K Warm White 5700K Cold White Blue[1]
ENVIRONMENT	IP66 Suitable for Coastal Environment
LUMINOUS FLUX[2]	210 lm (Warm White), 260 lm (Cold White)
POWER CONSUMPTION	3.7W (500 mm), 7.5W (995 mm), 11W (1490 mm)
INPUT POWER	48 VDC – Utilizes LED Engine Universal PSU (90-295V)

[1] Non standard item(s). Please clarify availability with the regional sales office.
[2] Luminous Flux based on 995mm Monochrome Tube.

Mood Light™ Motion
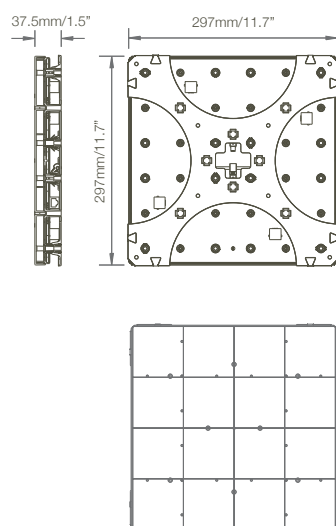
Mood Light™ Motion interactive lighting panels combine LED lighting with motion sensing technology to create stunning interactive architectural lighting solutions. Each modular 30cm² wall panel contains an interactive lighting control engine that functions as a complete stand alone system; just add more modular panels to create surfaces of any size or shape. Combine designer surface materials with custom video and interactive behaviors to fully define your experience. Mood Light™ Motion is a truly interactive solution without the need of complex external sensors, controllers, and time consuming installation and configuration. Up to 255 modules can be connected and automatically addressed. If larger systems are required, multiple zones can be connected using gateways/repeaters allowing almost unlimited size and shape options. Ideal for indoor use with plenty of options for surface materials, Mood Light™ Motion is an attractive solution that provides an interactive experience.

Easy to configure Mood Light™ Motion and its configuration software are designed to make developing sophisticated interactive lighting effects a snap. Simply upload video and presets, develop and explore the interactive concept live on the panel, then disconnect the computer for standalone operation.

Easy to install Installing and connecting the interactive modules is quick and painless using the snap-in mounting plate system. Surface materials are installed to the front of each panel, the finished panel unit then snaps into the mounting plate, providing a clean finished look with all wiring and fasteners neatly concealed. The Mood Light™ Motion system is simple and totally self contained. All that is required for operation is a 24V DC power supply. No external controller is necessary. It's as simple to deploy as any other lighting fixture but with infinitely greater possibilities.
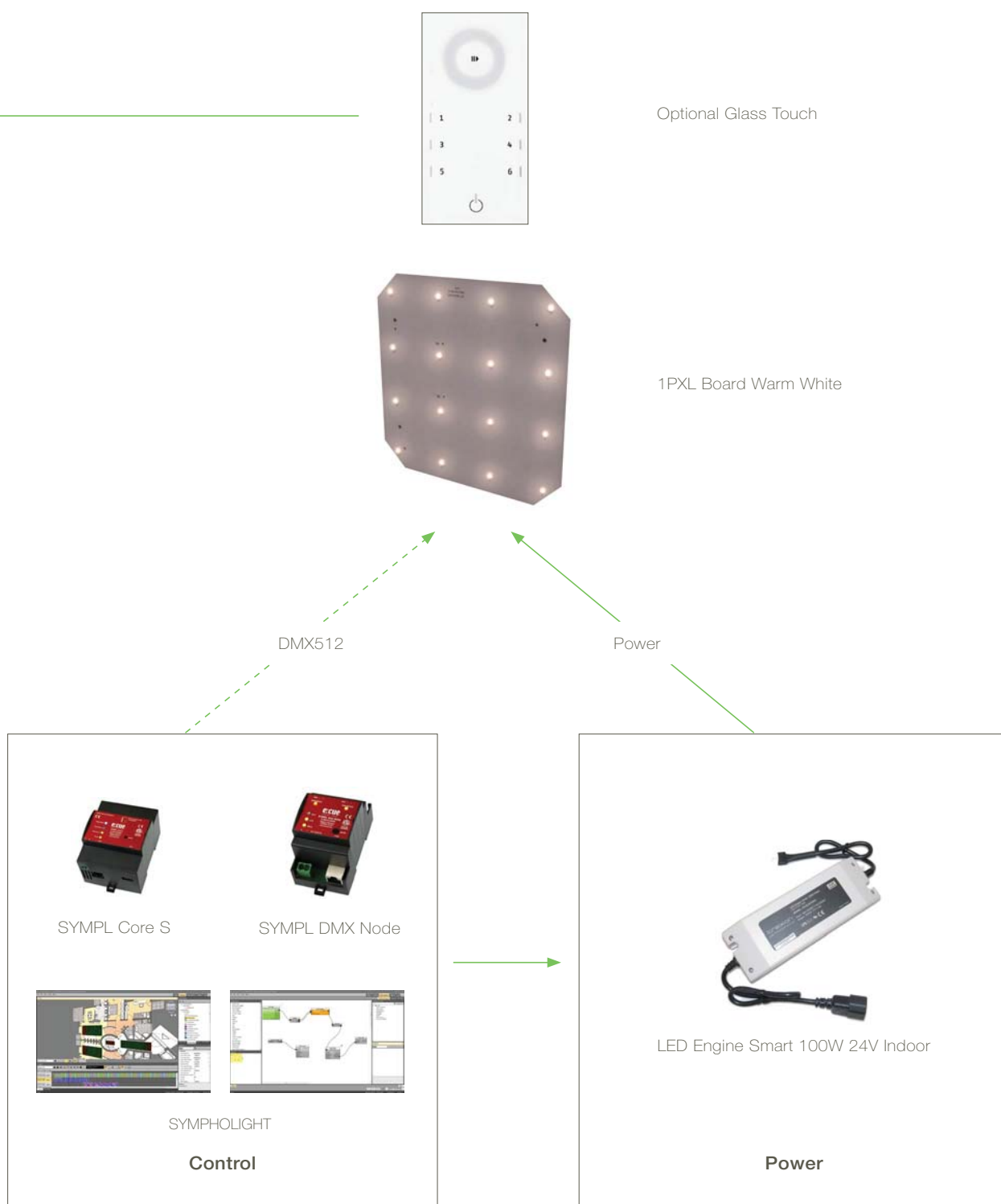
Technical Specifications & Options

COLOR	RGB
ENVIRONMENT	INDOOR
LED PITCH	75 mm/3"
POWER CONSUMPTION	5.5W max.
INPUT POWER	24 VDC – Utilizes LED Engine Universal PSU (100-280V)
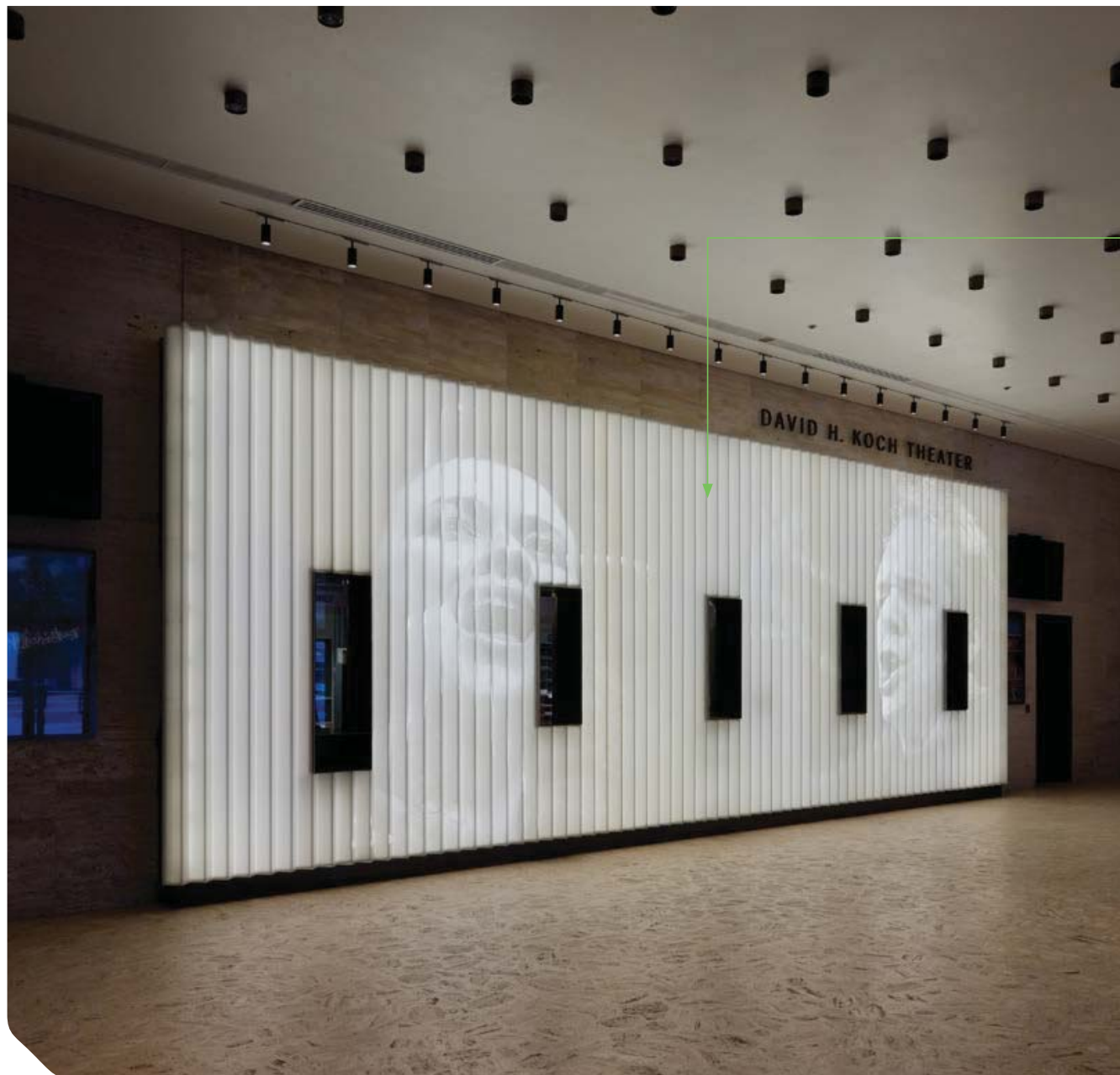
David H. Koch Theater, Lincoln Center, New York, NY, USA
Located in New York's historic and renowned Lincoln Center, the David H. Koch Theater lobby ticket windows feature a glowing Corian wall. This clean and crisp installation is surfaced with custom cut Corian diffusion, which tells the theatre's 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

SYMPL Core S   SYMPL DMX Node

SYMPHOLIGHT

Control

LED Engine Smart 100W 24V Indoor

Power

the Galleria

Galleria Department Store, Cheonan, South Korea

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.

National Gymnastics Arena, Baku, Azerbaijan | Melbourne Cricket Ground, Melbourne, Australia | Box Park, Dubai, UAE

Media Tube® HO RGBW/RGB

Media Tube® HO RGBW/RGB is a highly innovative media façade solution for applications requiring high brightness, high efficacy, excellent color consistency in different viewing angles and orientations, and dynamic effect for long color ribbon. The variety of LED options and accessories provide a standardized platform for high customization requests for media façade application in architectural buildings, hospitality, stadiums and bridges.

- 25 mm RGBW pixel pitch, which integrates the high resolution media system to building façades
- 4 colors RGBW per pixel offer vivid color and white content in a single system
- "+White" s an intelligent algorithm built-in to the Media Tube® HO RGBW, it allows the system to use typical video content (3 channels signal) to control 4 colors RGBW per pixel, this enhances the display brightness, quality and heightens the efficacy
- Ultra-Brightness and High Efficacy, can be easily selected by remote control
- The color consistency regardless of audience's viewing angle and orientation

Various customization options True white element and RGB display in single system. Intelligent "+White" algorithms allow the system using 3 channels signal to control 4 colors per pixel, this enhances the display quality and heightens the efficacy.

Flexible mounting capability Slim profile can integrate to different façade cladding. Optional lighting effects of Direct view and Diffused version.

Daisy-chain topology and simple cabling Easy daisy-chain and mounting concept by the quick lock connector and the enhanced mounting bracket.

Technical Specifications & Options

	Media Tube® HO RGBW		Media Tube® HO RGB	
	Direct View	**Diffused**	**Direct View**	**Diffused**
BEAM ANGLE	110°	175°	110°	175°
COLOR	RGBW (W:6500K)	RGBW (W:6500K)	RGB	RGB
ENVIRONMENT	IP66 Suitable for Coastal Environment		IP66 Suitable for Coastal Environment	
LUMINOUS FLUX	572 lm/m	408 lm/m	300 lm/m	220 lm/m
EFFICACY	41 lm/W	33 lm/W	34.8 lm/W	25.5 lm/W
PIXEL PITCH	25 mm		25 mm	
OPERATING VOLTAGE	48 VDC			
CONTROL	DMX / e:pix (DVI capable)			

* Non standard item(s). Please clarify availability with the regional sales office.

Mesh RGB
Red Dot
Red Dot Design Award in 2009
2009

Mesh RGB
2010 IIDEX/NeoCon Canada Innovation Awards
Innovative Lighting - Bronze
2010

CUSTOMERS   TRUST   RESPECT   DIGNITY   INTEGRITY   PEOPLE

Eaton, Cleveland, OH, USA | YBM GangNam Center, Seoul City, South Korea | IBM Executive Briefing Center, Rome, Italy

traxon e:cue
AN OSRAM BUSINESS

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.
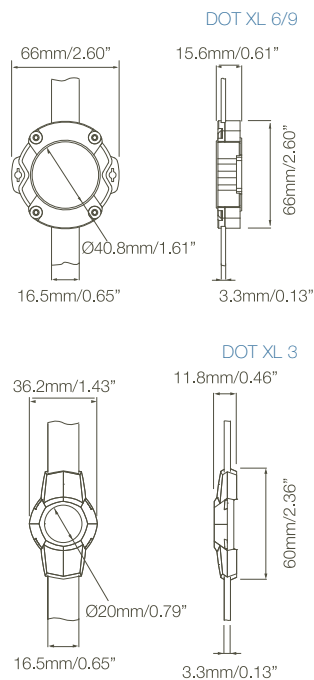
Technical Specifications & Options

BEAM ANGLE	120°		
COLOR	RGB	2700K Warm White*	6500K Cold White*
ENVIRONMENT	Pixel Distributor IP66	Mesh Unit IP67	
BRIGHTNESS	600 cd/m²		
LIGHT SOURCE	160 (5 x 32) LEDs		
PIXEL PITCH	62.5 mm / 2.5"		
INPUT POWER	24 VDC – Utilizes LED Engine Universal PSU (100-280V)		

* Non standard item(s). Please clarify availability with the regional sales office.
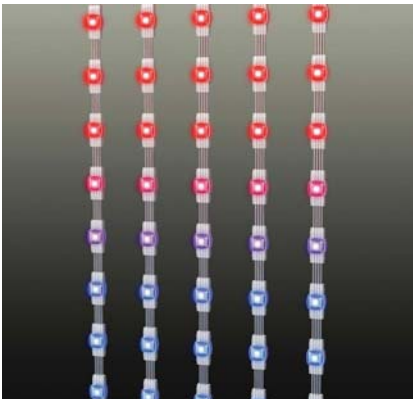
Sea Containers House, London, United Kingdom | i Light Marina Bay 2014, Singapore | Noma Earth Tubes, Manchester, United Kingdom

String

7.80mm/0.31"

10.54mm/0.42"   20.70mm/0.81"

18.80mm/0.74"   10.54mm/0.42"

62.50mm/2.46"

2000mm/78.74"
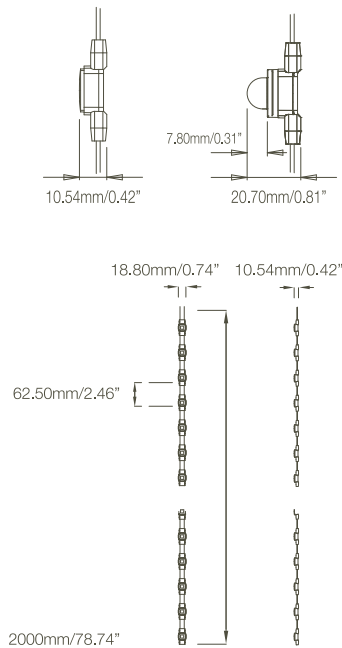
String systems accomplish complex, unconventional media configurations with intelligence and style. Sophisticated, scalable, String systems alter and enhance architectural, retail, and hospitality environments adding unexpected character to classic scenarios. Available in full color (RGB), warm white, 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	2700K Warm White*	6500K Cold White*	
ENVIRONMENT	Pixel Distributor IP66	String System IP67		
BRIGHTNESS	600 cd/m²			
LIGHT SOURCE	32 LEDs (per String), 160 LEDs (per set)			
PIXEL PITCH	62.5 mm / 2.5"			
INPUT POWER	24 VDC – Utilizes LED Engine Universal PSU (100-280V)			

* Non standard item(s). Please clarify availability with the regional sales office.

San Mamés Stadium, Bilbao, Spain | Szczecin Philharmonic, Szczecin, Poland | P-ZONE Munakata, Fukuoka, Japan

Dot XL

DOT XL 6/9

66mm/2.60"   15.6mm/0.61"

66mm/2.60"

Ø40.8mm/1.61"

16.5mm/0.65"   3.3mm/0.13"

DOT XL 3

36.2mm/1.43"   11.8mm/0.46"

60mm/2.36"

Ø20mm/0.79"

16.5mm/0.65"   3.3mm/0.13"

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	2700K Warm White*	6500K Cold White*
ENVIRONMENT	Pixel Distributor IP66	Dot XL Units/PSU IP67 IP66	
BRIGHTNESS	2396 cd/m² @ 100 mm pitch		
LIGHT SOURCE	3, 6, or 9 LEDs per Dot		
LED PITCH	150 mm (Dot XL-3), 300 mm (Dot XL-6, Dot XL-9)		
INPUT POWER	15 VDC – Utilizes LED Engine Universal PSU (100-280V)		
CONTROL	DMX / e:pix (DVI capable)		

* Non standard item(s). Please clarify availability with the regional sales office.

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

16.00mm/0.63"

7.18mm/0.28"

11.50mm/0.45"

240mm/9.45"

240mm/9.45"

Add-on Board & Add-on Strip

115mm/4.53"

115mm/4.53"

240mm/9.45"

21.20mm/0.83"
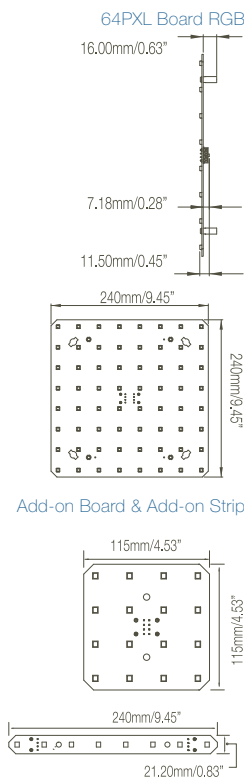
64PXL Board RGB is an efficient tool for dynamic communication and visual enhancement of a range of environments, from commercial to hospitality and entertainment installations. With its tight pitch and wide beam angle, 64PXL Board RGB beautifully reproduces full color, medium-resolution graphics, text, 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/m^2	
INPUT POWER	24 VDC – Utilizes LED Engine Universal PSU (100-280V)	

IMAGIC WEAVE HO
Production Innovation Awards (PIA)
PIA13 - Category: Building Enclosure
2013

Júlia Center, Andorra la Vella, Andorra | Grand Stade Lille Métropole, Lille, France

IMAGIC WEAVE®

IMAGIC WEAVE® HO

14mm/0.6"

22.8mm/0.9"

Various lengths available

44.3mm/1.7"
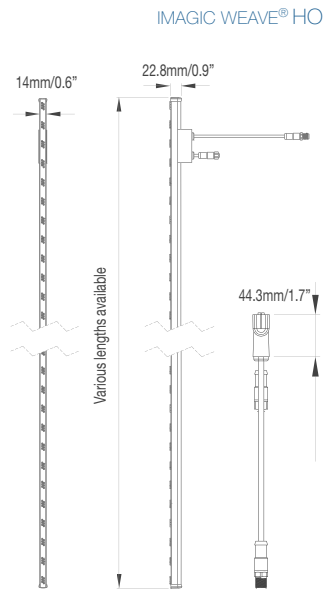
IMAGIC WEAVE® masters the balance of aesthetic structures and illumination art. The creative and sustainable possibilities of Traxon LED tubes integrated into the rugged structural durability of Haver & Boecker's stainless steel mesh, meld together to become a woven grid equipped with individually-addressable 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® HO (High Output) and IMAGIC WEAVE® HE (High Efficiency) 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 8 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 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 8400 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® HE	IMAGIC WEAVE® HO
BEAM ANGLE	110°	105° x 50°
COLOR	RGB	RGB
ENVIRONMENT	IP67	IP67
BRIGHTNESS	2200 cd/m² @ 40mm x 40mm pitch 1400 cd/m² @ 50mm x 50mm pitch 900 cd/m² @ 62.5mm x 62.5mm pitch	8400 cd/m² @ 40mm x 40mm pitch 5400 cd/m² @ 50mm x 50mm pitch 3400 cd/m² @ 62.5mm x 62.5mm pitch
INPUT POWER	48 VDC – Utilizes LED Engine Universal PSU (90-305V)	

Flame Towers, Baku, Azerbaijan

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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
INPUT VOLTAGE:	100-240V, AC 50/60 HZ
CONTROL:	DMX512

* Non standard item(s). Please clarify availability with the regional sales office.

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"

BACK VIEW

65mm / 2.6"

TOP VIEW

FRONT VIEW

(W)

BOTTOM VIEW

DATA IN   DATA OUT   POWER IN   POWER OUT
(MAX. 10A)
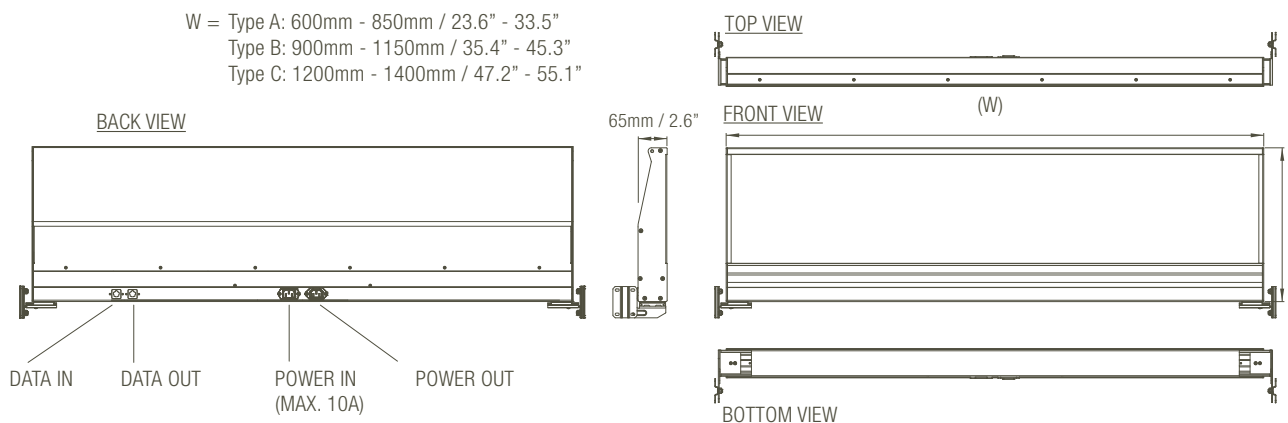
Grand Stade Lille Métropole, Lille, France

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

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St. Paulus Cathedral, Münster, Germany

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, the e:cue control software reaches far beyond dynamic lighting, providing control capabilities for a wide spectrum including multimedia, show control and building automation systems.

Programmer

Emotion FX real-time Video Synthesizer

DALI Manager and Action Pad

YAS Marina Hotel, Abu Dhabi, UAE

Lighting Application Suite 7.0

The Lighting Application Suite (LAS) 7.0 combines DMX, eDMX and DALI lighting, multimedia, and show control programming with unrivalled 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 RDM systems. The regular Programmer software controls up to 128 universes, or 65,536 DMX512/RDM channels. LAS 7.0 incorporates significant improvements to the Action Pad, 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. Furthermore, the LAS 7.0 now completely integrates DALI devices with the e:cue ETH2DALI interface.

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 video pixels to LED nodes for video-to-lighting.

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.*

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. Use the integrated SMTP client to receive status emails of your installations.

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.

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.

Combine functional and creative lighting Use intelligent DMX512 and DALI lighting control in one application, with a single graphical user interface over mobile devices.

FLEXIBILITY

Control large numbers of DMX512/RDM channels and pixels Design simple to complex lighting shows requiring control of up to 65,536 DMX512/RDM channels up to 25,000 RDM fixtures or control up to 750,000 RGB Pixel 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.

Realize projects for a single office or for a complete building If you need only some DMX512 and DALI channels, or an integrated control of DMX512 media walls and DALI functional lighting, the Lighting Application Suite sets no limits.

* 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.

Lighting Application Suite Editions

Standard Edition Free download at www.traxontechnologies.com. This is the most basic edition of the LAS.

Premium Edition (Online Credit Upgrades possible) 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 (Online Credit Upgrades possible) 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 (Online Credit Upgrades possible) or KiNET universe. Allows Emotion FX editing/demo mode. Includes 10 automation credit (Online Credit Upgrades possible); 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 that 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, 64, 128 universes. Simultaneous control of DMX512/RDM fixtures and Art-Net/ KiNET-driven fixtures. Includes 99 automation credit; users may add additional credits (Online Credit Upgrades possible).

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. (Online Credit Upgrades possible).

SYMPHOLIGHT 2.0

SYMPHOLIGHT 2.0 includes innovative and intuitive tools that facilitate the design of simple to complex lighting shows, position lighting fixtures in a project plan and configure devices in the central control system.

In addition to programming special lighting effects, video-to-light pixel mapping and visualization of the lighting installation is possible. Advanced triggering and visual automation tools provide capabilities for a wide spectrum of lighting installations, including multimedia, show and functional lighting control as well as building automation integration.

Gateway Community College, New Haven, CT, USA

traxone:cue
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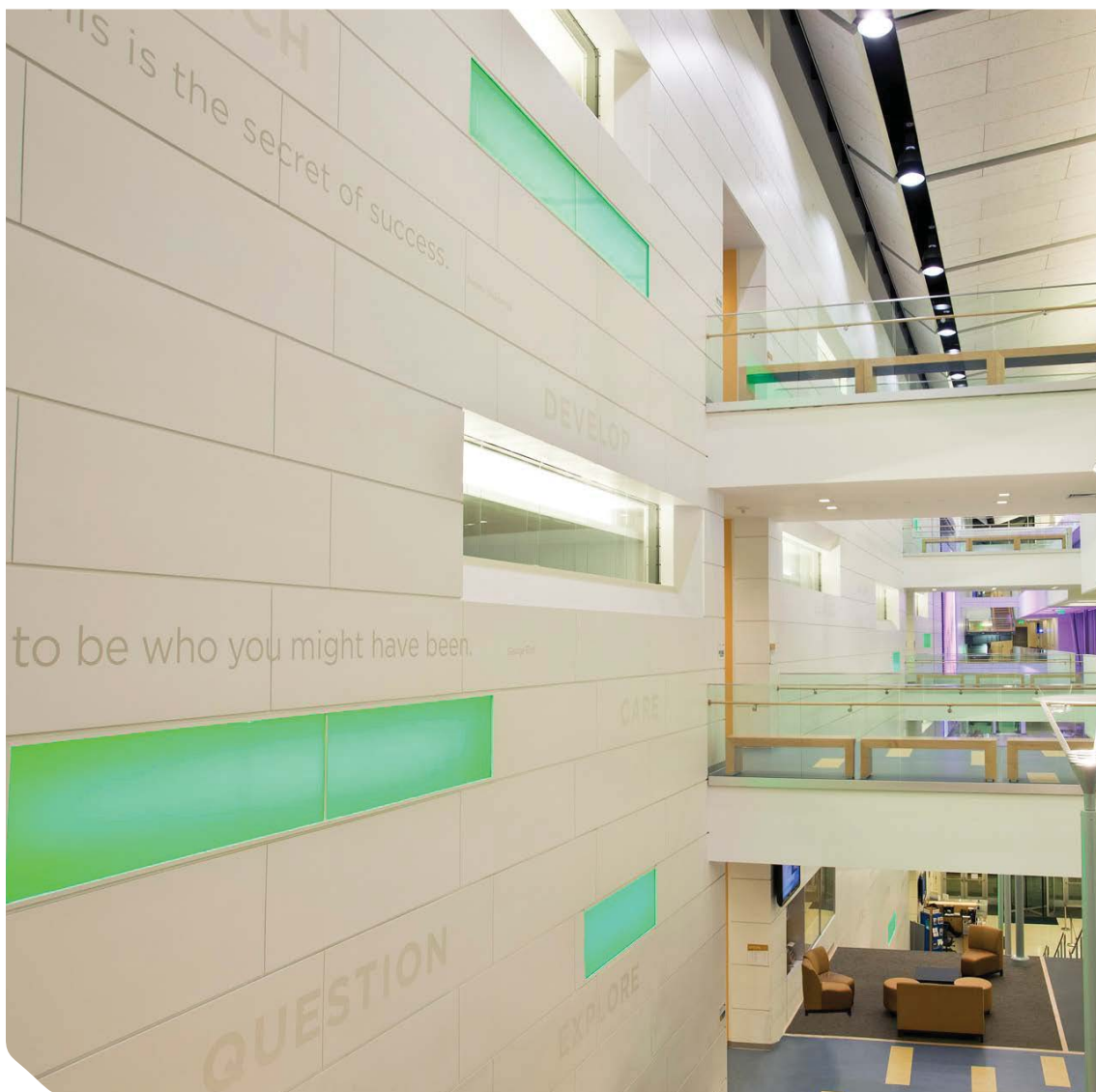
Key Features:

- Patching, programming and execution in one single application
- Easy control of both DMX and DALI fixtures
- Full integration and support for all e:cue SYMPL Modular Controller Range devices
- Visual programming using the new and powerful Workflow Designer
- 3D support for advanced projects with more than just a flat surface
- Easy programming even for complex procedures without usage of scripting
- Simulation capability for both design and execution stages
- HTML5-based Graphic User Interface (GUI) Editor for wired or wireless show control via any web browser

System Requirements:

Minimum configuration:
- Microsoft® Windows® 7 SP1 32 Bit or later versions
- Internet Explorer 10 or later versions
- 4 GB RAM
- Minimum of 20 GB hard disk space
- Dual-Core processor or higher versions
- DirectX9-supporting graphic adapter
- Minimum of one Ethernet interface for connections to engines and interfaces

Recommend configuration for huge projects:
- Microsoft® Windows® 7 SP1 64 Bit or later versions
- 16 GB RAM
- Hexa Core high-end desktop processor (e.g. Intel Core i7 Extreme)
- nVidia GeForce GTX 780 Ti class graphics adapter
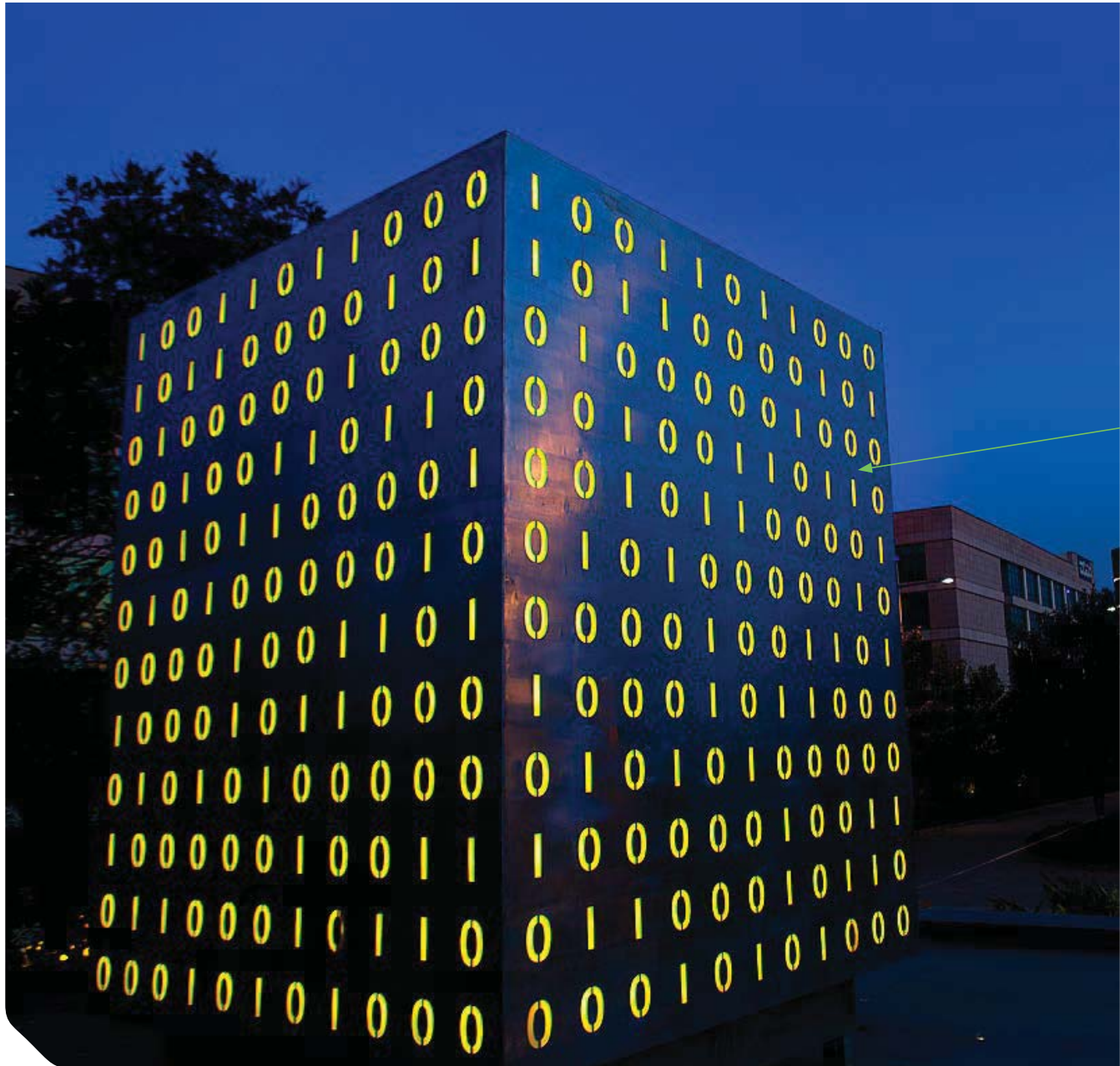
Binary Sculpture of Manyata Embassy Business Park, Bangalore, India

Visitors are welcomed with an inspiring Binary Sculpture upon arriving Manyata Embassy Business Park (MEBP) near Nagavara Lake in North Bangalore. Home to a vibrant mix of businesses from dynamic startups to global brands, MEBP is one of the largest technology and business parks in India. Created by DPA Lighting Design, the Binary Sculpture is a 4-meter cube structure made of steel with "0" and "1" cut-outs symbolizing the binary numeral system in mathematics and digital electronics. Traxon Dot-XL6 RGB, e:cue Butler S2 and Butler XT2 are installed on the Binary Sculpture to enable colorful illuminations and stunning lighting effects.

System Solution
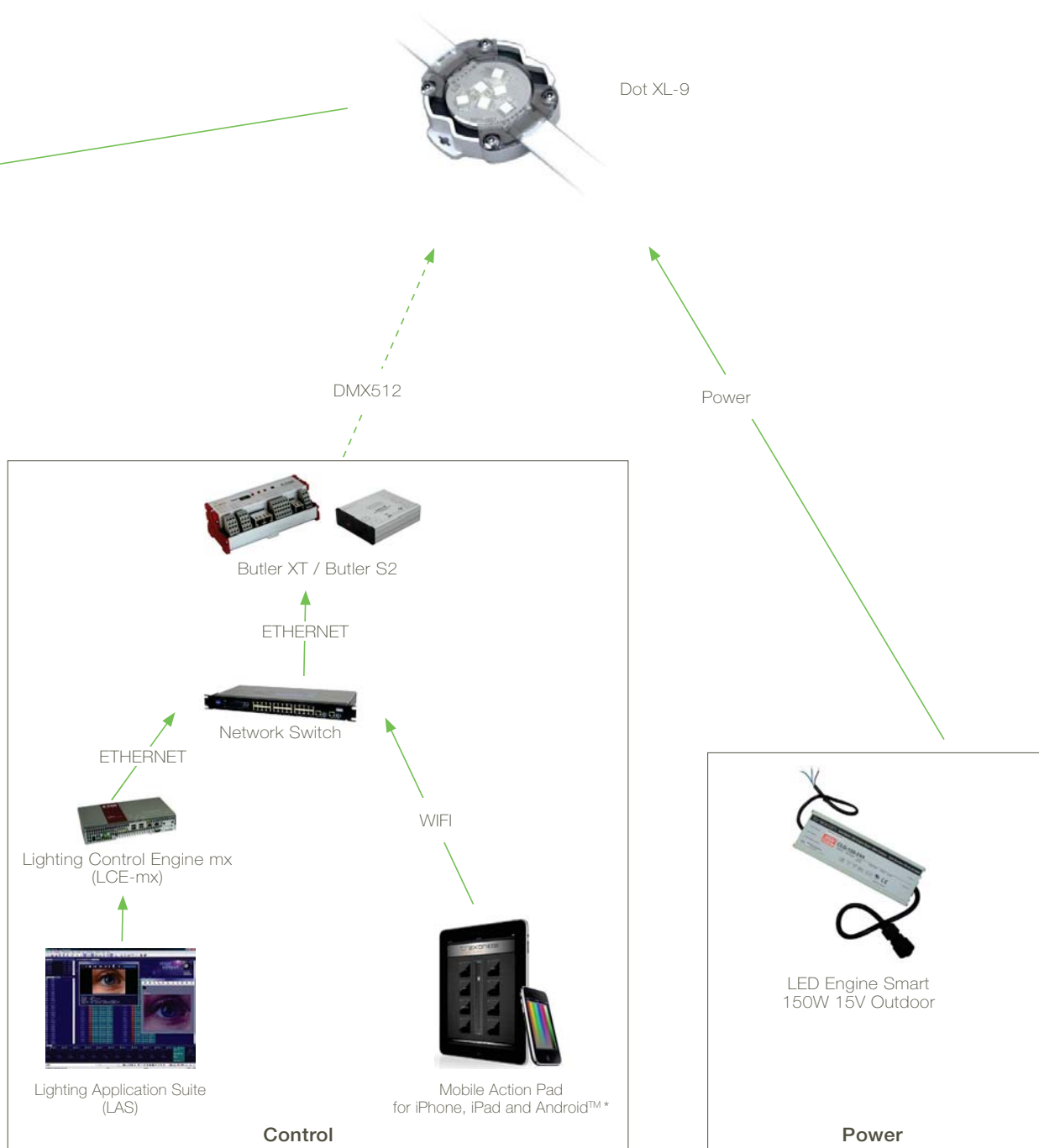
Dot XL-9

DMX512

Power

Butler XT / Butler S2

ETHERNET

Network Switch

ETHERNET

WIFI

Lighting Control Engine mx
(LCE-mx)

Lighting Application Suite
(LAS)

Mobile Action Pad
for iPhone, iPad and Android™ *

Control

LED Engine Smart
150W 15V Outdoor

Power

* 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.

National Stadium, Warsaw, Poland
Developer: Narodowe Centrum Sportu Sp.zoo.o.
Lighting Designer: Lichtvision

CEEQA
Hotel, Leisure & Residential Development of the Year
Building of the Year
2012

illumni Infinity Award
illumni Infinity Awards 'Silver' for facade lighting 2013
2013

Lighting Design Awards 2013
Lighting Design Awards 2013 - International Project (Exteriors)
2013

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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.

Orchard Gateway, Singapore

SYMPL Modular Controller Range

SYMPL Core S

SYMPL is the new, scalable and easy to use controller portfolio for a various number of lighting control tasks. Simplicity and flexibility are the main features within the SYMPL Modular Controller Range approach, control devices can be individually tailored and combined to any lighting project needs, also creating an added value regarding planning and installation.

SYMPL features a fully decentralized system architecture and ensures a customizable project setup with sophisticated control devices on a unified and Ethernet-based system bus. The Quick Link Mode simplifies IP configuration and system setup. The SYMPL Modular Controller Range offers a large variety of system interfaces, such as: DMX/RDM, e:pix, DALI, Serial, Relay, Inputs or e:bus.

SYMPL dmx Node

The SYMPL range consists of two main components, which can be combined in multiple ways and tailored to any individual project's needs. The SYMPL Core S is the heart of the system and is responsible for orchestrating all SYMPL Nodes and dimmers. The SYMPL Core S is running e:cue's new light management software SYMPHOLIGHT and ensures full performance of each installation with every SYMPL Core without any Standalone limitation.

SYMPL dali Node

SYMPL Nodes are the intelligent interfaces to fixtures, sensors or other control systems and come with unified dimensions, power inputs and system bus throughout the entire range to ease installation, extension and maintenance.

- Scalable control solution on a unified Ethernet-based system bus
- Control DALI and DMX fixtures with one system
- Extend systems with additional devices at any time
- Setup lighting control networks with a fingertip
- Adapt lighting control systems flexibly if requirements change in any project phase

SYMPL Core S
e:cue SYMPL Core S is a standalone engine for e:cue SYMPHOLIGHT. It executes SYMPHOLIGHT shows in small to medium-sized control projects and orchestrates all available SYMPL Nodes. It includes a full license of e:cue SYMPHOLIGHT which can be shared with a user in the same network, making an additional license dongle superfluous.

SYMPL dmx Node
The SYMPL dmx Node is a two DMX/RDM universe interface. It provides two independent DMX/RDM inputs/outputs for two DMX512 universes enabling bidirectional communication with fixtures. The SYMPL dmx Node can be powered by an external power supply or via Power-over-Ethernet (PoE).

SYMPL e:pix Node
The SYMPL e:pix Node is a e:pix interface with two universe output. It provides two independent e:pix interfaces for two e:pix universes with 2048 channels each. The SYMPL e:pix Node can be powered by an external power supply or via Power-over-Ethernet (PoE).

SYMPL dali Node
The e:cue SYMPL dali Node is a single line DALI interface. It provides a DALI interface for up to 64 DALI devices in one line including bus power and full support for DALI ballast and OSRAM sensors / inputs. The SYMPL dali Node is powered by an external power supply.

SYMPL input Node
The e:cue SYMPL input Node is an eight-channel analog input interface. It provides eight independent analog 10 V inputs, which can be used as digital inputs as well. Four inputs also support 20 mA constant current input, configurable with four slide switches. The e:cue SYMPL input Node can be powered by an external power supply or via Power-over-Ethernet (PoE).

SYMPL serial Node
The e:cue SYMPL serial Node is a serial interface. It provides two independent serial interfaces, one RS-232 and one RS-485 port. The e:cue SYMPL serial Node is powered by an external power supply or via Ethernet (PoE).

SYMPL relay Node
The e:cue SYMPL relay Node is a switching interface. It provides three relay interfaces in single-pole, double-throw configuration. The e:cue SYMPL relay Node can be powered by an external power supply or via Power-over-Ethernet (PoE).

The Middle Ring Expressway, Suzhou, China | Suzhou International Expo Center, Suzhou, China | Madison College – Madison, WI, USA

Lighting Control Engine 2
Lighting Control Engine 2 fx

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.

- Control up to 65,536 DMX512 channels (LCE2) with RDM for bidirectional communication or via Art-Net and KiNet
- Scalable to run up to 750,000 e:pix or DMX512 RGB Pixel with 25,000 RDM systems via Emotion FX (LCE2-fx)
- Equipped with e:cue's Lighting Application Suite (both) and exclusive Emotion FX software (LCE2-fx only)
- Pre-installed media content package and the ability to synchronize sound-to-light sequences
- DVI video input (LCE2-fx)
- Orchestrates a wide range of fixtures, devices, technologies and media with reliable, uninterrupted operation
- Outputs a variety of Ethernet-based protocols
- Numerous triggering options
- Integrated 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

EUMETSAT, Darmstadt, Germany | Historical Town Hall, Kronach, Germany | Barry J. Kaplan Bridge, Katy, TX, USA

Lighting Control Engine mx

**Technical
Specifications
& Options**

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,
4 x USB
Data storage SSD
1 x DVI-D output

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.

- Controls up to 8,192 DMX512 channels
- 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
- Easily mountable on DIN rail or on walls
- USB, RS-232 and DVI interfaces, 2 x e:net/Ethernet (RJ45)
- Headless operation without keyboard and display
- Shows and lighting scenes can be controlled remotely via mobile devices or with browser access via the built-in web server

i Light Marina Bay 2016 "C'scape", Singapore | Coface Arena, Mainz, Germany

Butler S2
Butler S2 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 up to 65.536 DMX512- canals in 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 an integrated 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.

- Supports RDM protocol for bidirectional communication
- Integrated web server for setup
- Store and replay pre-programmed cuelists
- Scalable up to 64 devices (128 DMX512 universes) if connected to e:cue control software; scalable up to 16 devices (32 universes) in standalone mode
- 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 and protect it from dust and dirt.

Kendra Scott Jewelry Retail Stores, Various Locations, US | Pulse Bamboo Pavilion, Macau, China | Bülow Carré, Stuttgart, Germany

Butler XT2
Butler XT2 Garage

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 standalone features previously uploaded lighting shows, programmed using with the e:cue software suite. The 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].

- 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
- Scalable up to 64 devices (128 DMX512 universes) if connected to e:cue control software; scalable up to 16 devices (32 universes) in standalone mode
- Integrated webserver, remote control of lighting shows via web browser or iOS-systems*, Android Systems*

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.

*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.

Butler Pro
IES Progress Report
Accepted
2013

National Stadium, Warsaw, Poland
Developer: Narodowe Centrum Sportu Sp.zoo.o.
Lighting Designer: Licht Vision

CEEQA
Hotel, Leisure & Residential Development of the Year
Building of the Year
2012

illumni Infinity Award
illumni Infinity Awards 'Silver' for facade lighting 2013
2013

Lighting Design Awards 2013
Lighting Design Awards 2013 - International Project (Exteriors)
2013
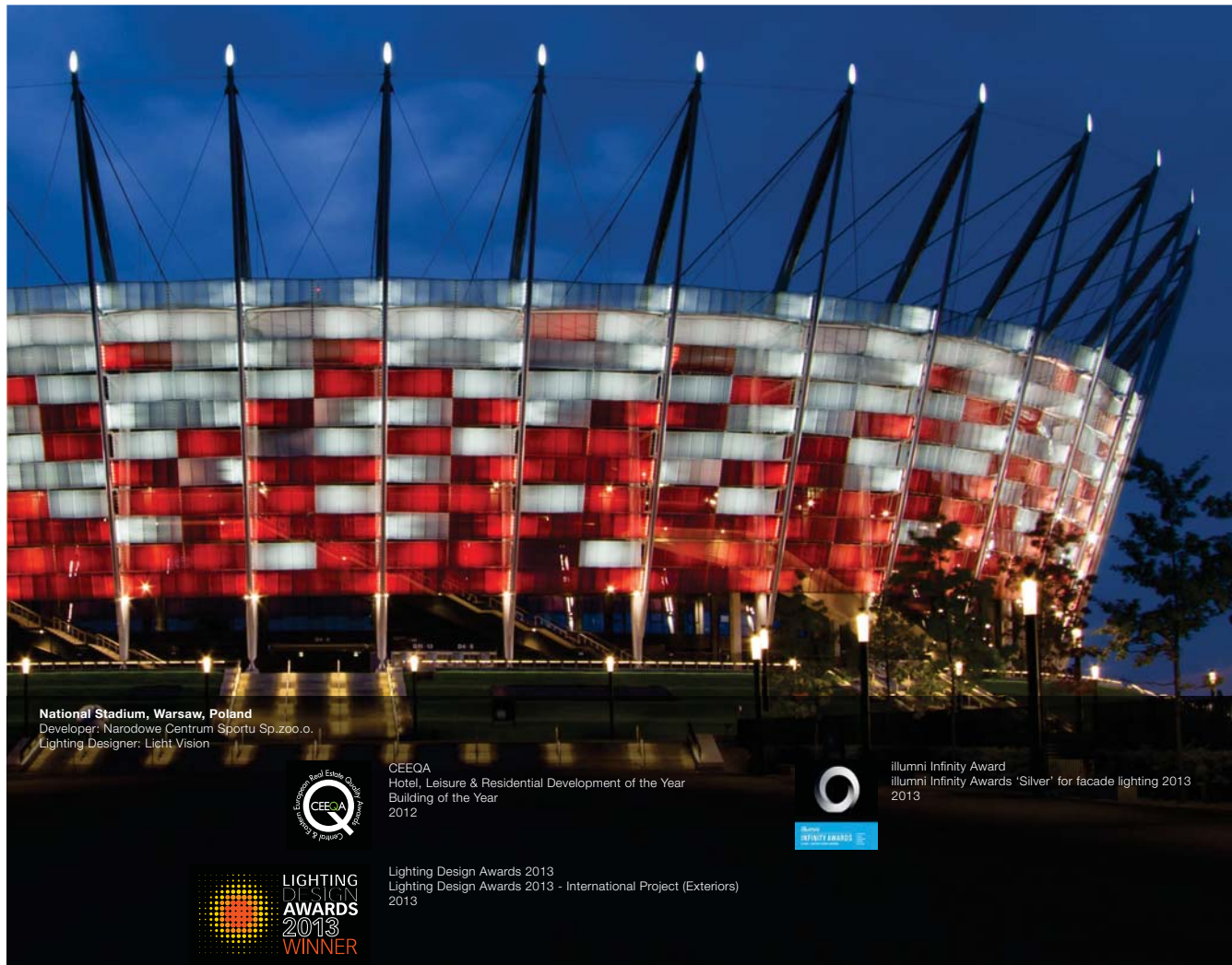
National Stadium, Warsaw, Poland | Shanghai Tower, Shanghai, China | Europaallee Passage, Zurich, Switzerland

Butler PRO

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) 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 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 RGB Pixel with 25,000 RDM systems via Emotion FX

P-ZONE Munakata, Fukuoka, Japan | Libeskind Sculptures, Milan, Italy

Video Micro Converter (VMC)
VMC Garage

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

Power Input: 12 DC

System Link: e:net (RJ45 for setup)

Input: DVI (female connector)

Output: DVI (female connector)

Mounting: On-wall 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
- 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.

DMX2CC 6CH, DMX2CC 12CH

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 50mA 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
- High efficiency (up to 95%)

DMX2CC 6CH

DMX2CC 12CH

DMX2PWM 3CH, DMX2PWM 9CH

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
- 14bit PWM resolution calculated from 8bit DMX value

DMX2PWM 3CH

DMX2PWM 9CH

ETH2DALI

W x H x D
143 x 90 x 45 mm /
5.7 x 3.6 x 1.78 inch

Power supply:
24 V DC

DALI interface:
2 x 64 devices, max. load 250 mA per
port (screw terminals)

DMX output:
512 channels (screw terminals)

Relay outputs:
2 x DPDT, max. 4 A @ 24 V AC/DC
(screw terminals)

Digital input:
6 digital inputs,
3 to 12 V DC (screw terminals)

Serial interface: RS-232 input
(screw terminals)

ETH2DALI is a flexible and scalable DALI control engine for both functional and dynamic lighting. Supporting both DALI and DMX512 connectivity, ETH2DALI is a versatile control engine that can be operated in standalone mode or in online mode with the e:cue Lighting Application Suite (LAS). The engine supports all OSRAM standard DALI devices (e.g. sensors and interfaces), as well as ballasts from third party manufacturers. Taking the best out of the DALI world and adding the DMX512 capabilities, ETH2DALI bridges the gap between general lighting and creative lighting effects. Remote control is easy via the intuitive and fully customizable Action Pad App and LAS 7.0. Scalable for additional DMX universes, it can be integrated with external systems such as Building Management System (BMS). ETH2DALI is the ideal lighting control system for applications such as retail shops, offices, and hospitality projects.

■ 2 DALI universes to control up to 128 DALI devices
■ 1 DMX512 universe (additional DMX512 Universes can be added via
   Butler S2 devices over network)
■ R232 and dry contacts for triggering from external systems
■ Relay outputs
■ Supports online & standalone mode
■ Status display
■ Easy Commissioning Test mode
■ Integrated web server for easy network configuration
   and remote control of lighting shows via web browser
   or iOS-systems*, Android Systems*
■ Internal real-time and astronomical clock with daylight saving
■ Data stored on micro SD Card

* 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.

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 E2240 features eight analog inputs and two analog outputs for integration of analog sources elements into the e:net system.

**Technical
Specifications
& Options**

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

Power Input:
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

Moxa ioLogic

LED Engine Smart 100W 24V Indoor
LED Engine Smart 150W 24V Outdoor / Indoor
LED Engine 150W 15V Outdoor
LED Engine 240W 48V Outdoor
LED Engine 1kW 48V Indoor

LED Engine Smart

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 150W 24V Outdoor

LED Engine Smart 150W 24V 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 can extend to outdoor applications due to its IP67 rating.

LED Engine Smart 150W 24V Indoor

The LED Engine Smart 150W Indoor is a universal AC input Power Supply Unit for Traxon's latest products Mesh and Strings, equipped with TX Connect Indoor ready connectors. The LED Engine Smart 150W is a slim, fanless power supply that ensures high reliability in any LED lighting application.

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.
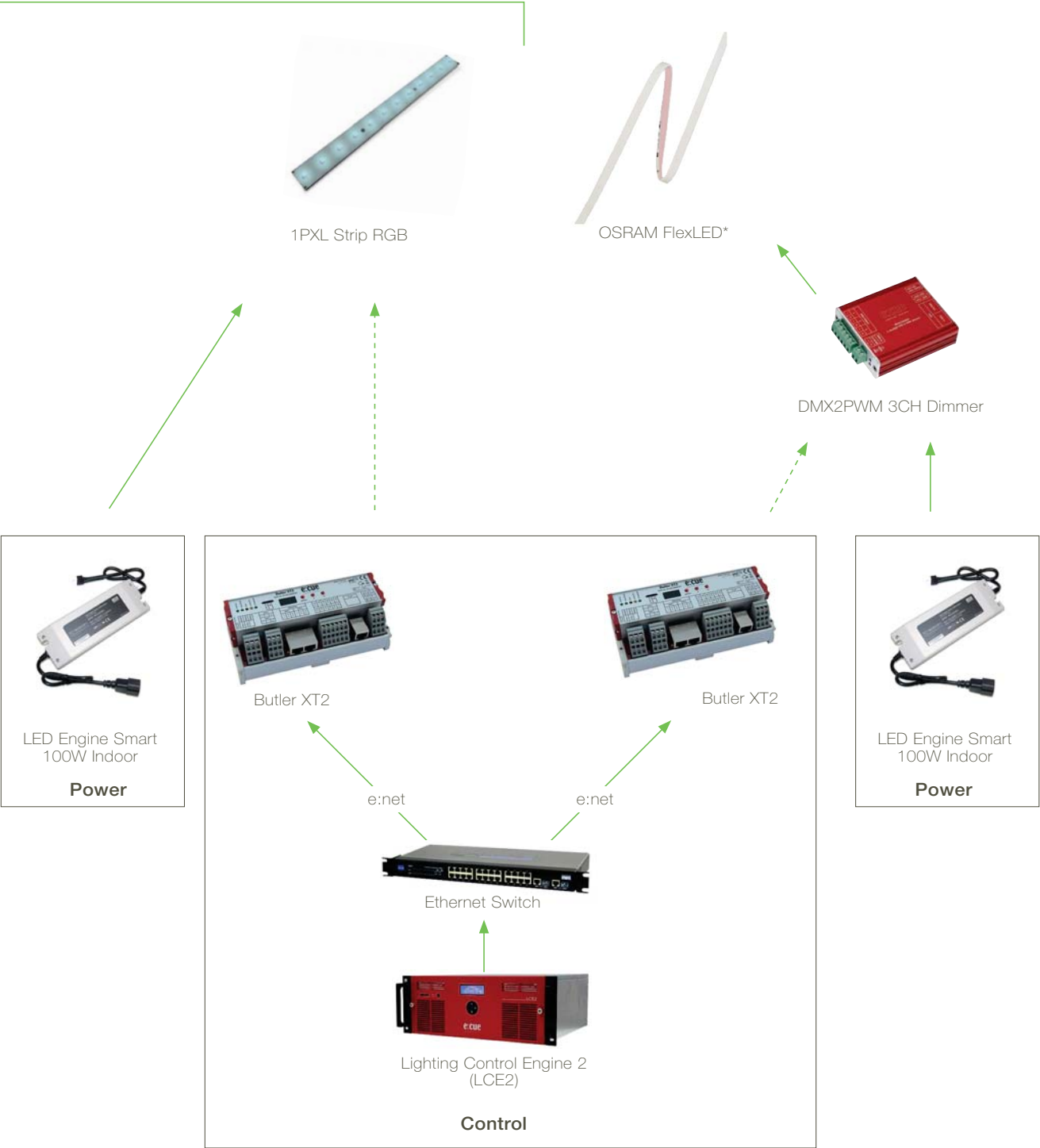
LED Engine 1kW 48V Indoor

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.

TV Today Network Studio, Noida, India

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*

DMX2PWM 3CH Dimmer

LED Engine Smart
100W Indoor

Power

Butler XT2

Butler XT2

LED Engine Smart
100W Indoor

Power

e:net

e:net

Ethernet Switch

Lighting Control Engine 2
(LCE2)

Control

* 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.

LIGHTDRIVE+

Technical Specifications & Options

W x H x D
80 x 160 x 30 mm
3.15 x 6.30 x 1.18 inch

Weight: 185 g/0.41 lb

Input Voltage:
12 ... 24 V DC

Interfaces:
1 x Ethernet 100 Mbps
on system plug
1 x USB 2.0 micro USB

Dynamic lighting control with a sophisticated design – that is LIGHTDRIVE+. The wall-mounted user terminal outputs various scenes and effects in different zones, which are set-up via the easy-to-use jog wheel. There is no software needed.

Bars and restaurants. Shops and malls. Museums. Reception areas.
For all these applications – from small to mid-size –, LIGHTDRIVE+ is the easy and straightforward solution for lighting control. The user terminal serves as a standalone DMX512 controller and comes with eight predefined scenes in each of the three zones that can be adjusted any time without computer and software. The main point of user interaction is the so-called jog wheel. With this control knob scenes, zones and effects like speed and brightness can be adjusted easily.

The user terminal itself shows a clear and puristic design with a high quality glass front.

LIGHTDRIVE+ is compatible with all monochrome, dynamic white, RGB und RGBW LED fixtures.

Key Features

- State-of-the-art user interface with elegant appearance
- Set-up via intuitive jog wheel (no software needed)
- For monochrome, dynamic white, RGB and RGBW LED fixtures
- 8 predefined scenes in each of the 3 predefined zones
- For small to mid-size installations
- 2 Relay Outputs and 2 Dry Inputs for integration into 3rd party systems

Technical Specifications

DIMENSIONS (W X H X D)	80 x 160 x 30 mm 3.15 x 6.30 x 1.18"
POWER SUPPLY	PoE Standard IEEE 802.3af 12 … 24 V DC
POWER CONSUMPTION	max. 4W
OPERATING TEMPERATURE	0 ... 35 °C / 32 … 95°F
STORAGE TEMPERATURE	-10 ... 70 °C / 14 … 158°F
OPERATING/STORAGE HUM.	0 ... 80% non-condensing
PROTECTION CLASS	IP20
MATERIALS	ABS, Glas
MOUNTING	55 mm in-wall box or vertical US type in-wall box
CERTIFICATIONS	CE
USER INTERFACES	12 capacitive touch keys, 1 jog wheel
SYSTEM INTERFACES	1 x Ethernet 100 Mbps on system plug 1 x USB 2.0 micro USB
LOW-SIDE SWITCHES	2 x 24 V, max. 4 A, galvanically isolated
DMX OUTPUTS	2 x DMX512 output
SENSORS	Proximity sensors

Amsterdam Arena, Amsterdam, the Netherlands | AOK Pediatric Clinic, Berlin, Germany
Washington Hospital Center, Washington, D.C., USA | Shinshu Tamahimeden Bridal Hall, Nagano, Japan

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

Weight:
Glass Touch T6
0.11 kg / 0.23 lbs
Glass Touch T6R, T12
0.21 kg / 0.46 lbs

Power Input:
24 VDC, 18 mA (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 individual programming options
■ Wall mountable, 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*
■ Allows seamless access to the customizable graphics
  user interface (GUI) and its Action Pad features (stored inside
  the Butler XT2 for standalone mode)
■ User-friendly, free download

Light-Drive Elite
iF Design
iF Product Design Award 2010
2010

Light-Drive Elite
LFI Innovation Awards
Design Excellence
2010

Light-Drive Elite
2010 IIDEX/NeoCon Canada Innovation Awards
Lighting Controls - Silver
2010

Cirque du Soleil, Las Vegas, USA | Trade Fair Booth, Light + Building 2012, Frankfurt am Main, Germany

Light-Drive Elite

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, No software needed
- Wall mountable
- 512 channels DMX output (RGB)
- Four user-defined memory slots
- Integrated IR receiver for remote control optional
- Four mode keys to select intensity, color, white and memory mode
- Color chase on up to 12 RGB fixtures / light-points with spread effect

650 Fifth Avenue, New York, NY, USA

Located on Fifth Avenue in midtown Manhattan, the entrance of 650 Fifth Avenue dazzles passerby and visitors with dynamic lighting. The highly visible luminous ceiling has a slow-moving, color-changing effect, which is automated to play 24 hours a day, 7 days a week. Easily adaptable to a variety of irregular surfaces, Traxon Dot XL-9 was installed in the ceiling and façade behind a fire-resistant 3Form diffusing material. The ceiling and façade are controlled by the Lighting Control Engine, Butler S2, Butler XT2 and a Glass Touch T12, and feature two shows – one for daytime and one for nighttime. The result is an art installation that draws the attention of all who come to 650 Fifth Avenue.

System Solution
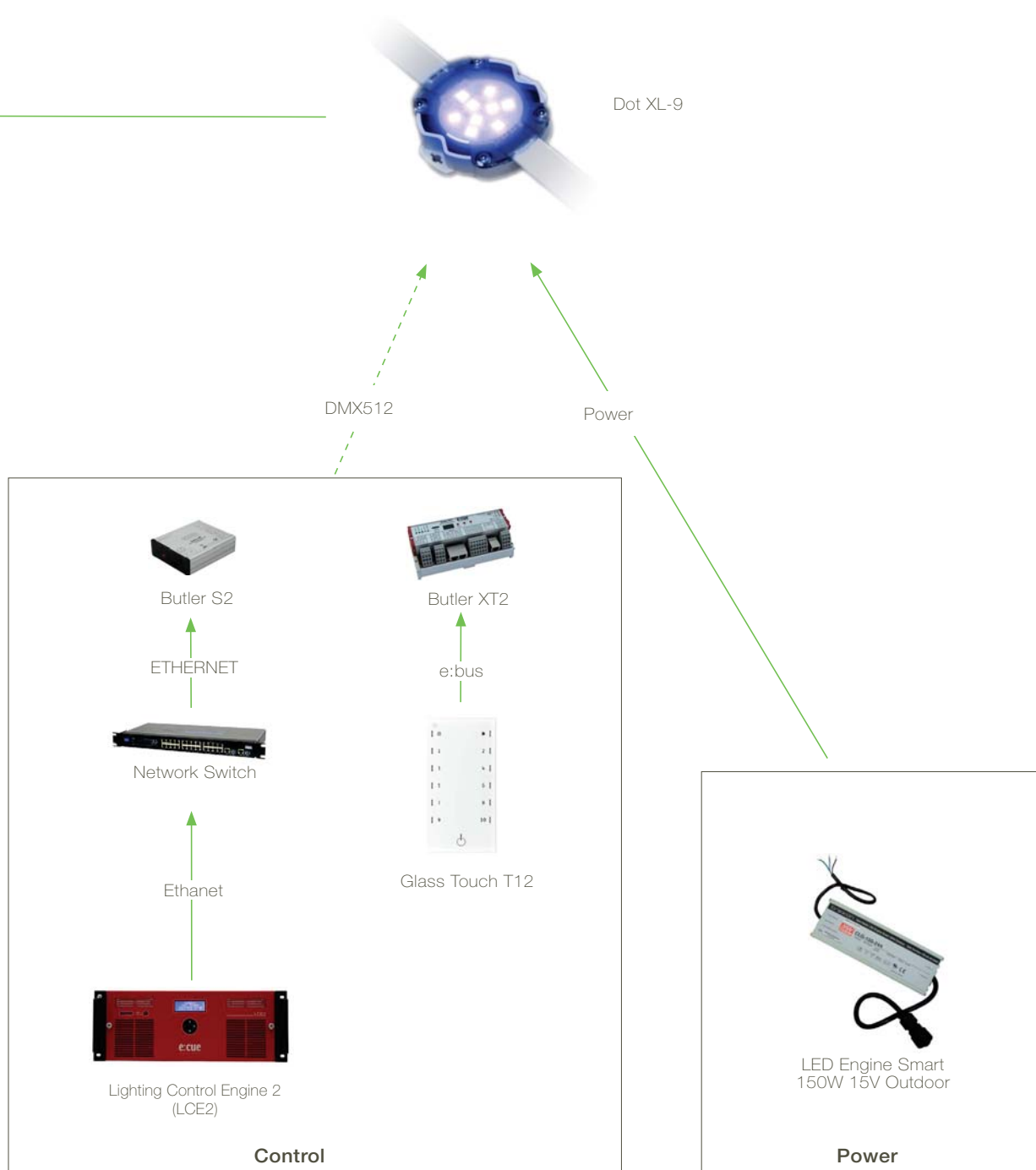
Dot XL-9

DMX512

Power

Butler S2

Butler XT2

ETHERNET

e:bus

Network Switch

Ethanet

Glass Touch T12

Lighting Control Engine 2
(LCE2)

LED Engine Smart
150W 15V Outdoor

Control

Power

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.

OSRAM Headquarter "Lighthouse", Munich, Germany

Product Category		Color Temperature	Beam Angle	Dimensions	Environment
ILLUMINATION Takes power and flexibility to a bold new level	Liner Quattro AC XB RGBW	4000K RGBW	13° / 60° / 30° x 15° / 75° x 40°	24", 48"	IP66 / Suitable for Coastal Environment
	Washer Allegro AC XB	RGB / 3000K Warm White / 4000K Neutral White / 6500K Cold White / 2700K-6500K Dynamic White	7° / 20° / 30° / 40°	9" x 9"	IP66 / Suitable for Coastal Environment
	Nano Liner Allegro AC XB	RGB / 3000K Warm White / 4000K Neutral White / 6500K Cold White / 2700K-6500K Dynamic White	40° / 50° x 10°	1', 2', 3', 4'	IP66 / Suitable for Coastal Environment
AMBIANCE & ACCENT Dynamically enhance environments of any size and complexity	Cove Light AC HO RGBW	RGBW W: 3000K	120°	1', 3'	INDOOR
	Cove Light AC HO / HO Graze	2700K Warm White / 3000K Warm White / 3500K Warm White / 4000K Neutral White / 6500K Cold White*	40° / 50° x 10° / 60° x 30° * / 120°	1', 3'	INDOOR
	Cove Light AC Dim	2700K Warm White / 3000K Warm White / 3500K Warm White / 4000K Neutral White / 6500K Cold White*	135°	1'	INDOOR
	Cove Light AC HE	2700K Warm White / 3000K Warm White / 4000K Neutral White	120°	1'	INDOOR
	1PXL Cove Light XR	RGB / 2700K Warm White* / 5700K Cold White* / 2700K-6500K Dynamic White	120°	1'	INDOOR
	1PXL Strip	RGB / 2700K Warm White* / 5700K Cold White* / 2700K-6500K Dynamic White	120°	11'	INDOOR
	1PXL Board	RGB / 2700K Warm White / 5700K Cold White / 2700K-6500K Dynamic White	120°	9" x 9"	INDOOR
	4PXL Add-on Board & Strip	RGB	120°	Strip: 9" x 2" Board: 4" x 4"	INDOOR
	16PXL Board RGB	RGB	120°	20" x 20"	INDOOR
	Monochrome Tube	2700K Warm White / 5700K Cold White / Blue*	120°	20", 39", 59"	IP66 / Suitable for Coastal Environment
	Mood Light™ Motion	RGB	—	11.5" x 11.5"	INDOOR
MEDIA & FAÇADE Makes graphics, text, and video come to vibrant life	Media Tube® HO RGBW/RGB	RGBW W: 6500K / RGB	110° / 175° 110° / 175°	12PXL, 24PXL, 36PXL, 48PXL, 60PXL	IP66 / Suitable for Coastal Environment
	Mesh	RGB / 2700K Warm White* / 6500K Cold White*	120°	62.5mm pitch	IP66 IP67
	String	RGB / 2700K Warm White* / 6500K Cold White*	120°	62.5mm pitch	IP66 IP67
	Dot XL	RGB / 2700K Warm White* / 6500K Cold White*	120°	Dot XL-3: 150mm pitch Dot XL-6 and Dot XL-9: 300mm pitch	IP66 IP67
	64PXL Board 16PXL Add-on Board & 8PXL Add-on Strip	RGB	120°	9" x 9" Strip: 9" x 1" Board: 4" x 4"	INDOOR
	IMAGIC WEAVE®	RGB	110° / 120°	1 sq ft - 1,000 sq ft	IP67
	Façade Panel	RGB	110°	24"-34", 35"-45" 47"-55"	INDOOR

* Non standard item(s). Please clarify availability with the regional sales office.

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.

SUITABLE FOR COASTAL ENVIRONMENT

Coastal locations present particular challenges for specifiers, designers or owners when choosing suitable lighting solutions due to the amount of airborne salt and humidity that a coastal property is subjected to, as these act as catalysts to oxidation and rust.
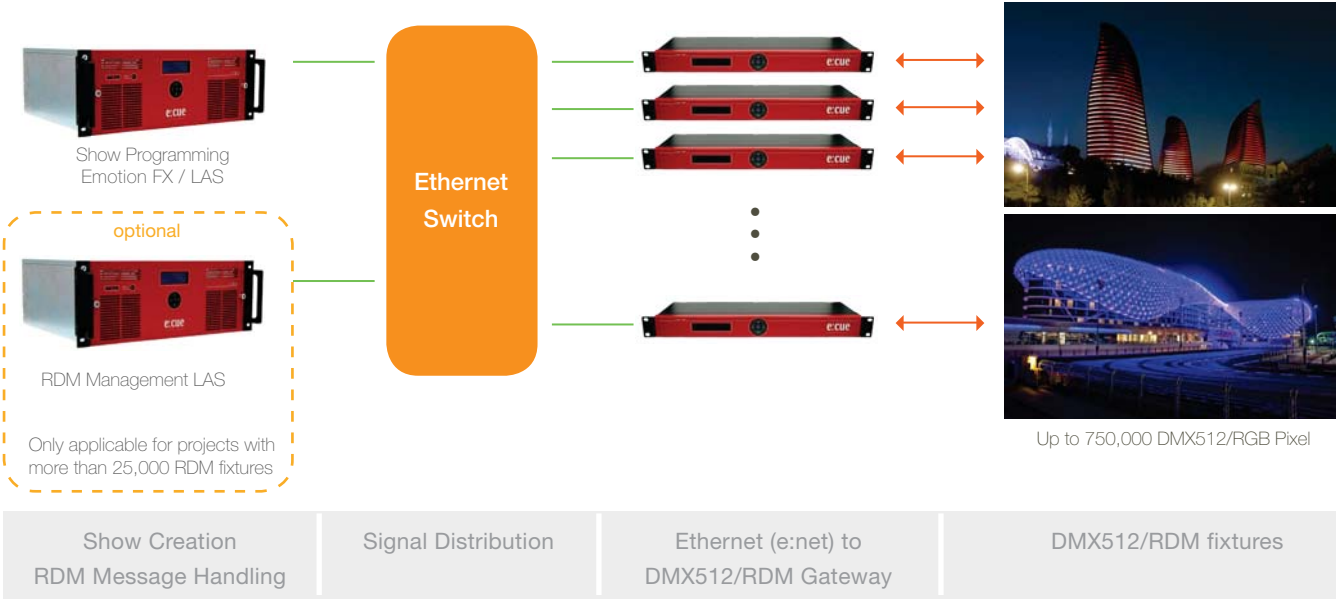
Traxon Washer Allegro AC XB, Nano Liner Allegro AC XB, Monochrome Tube, Media Tube®, and Shield AC Extend are proven suitable for coastal environments. These weather-proof lighting solutions under-went vigorous assessments including 200 hours salt spray tests and 168 hours high temperature/high humidity tests to verify their resilience to corrosive sea air. These luminaires are suitable for use in coastal environments and have 3 or 5 years functional warranty.
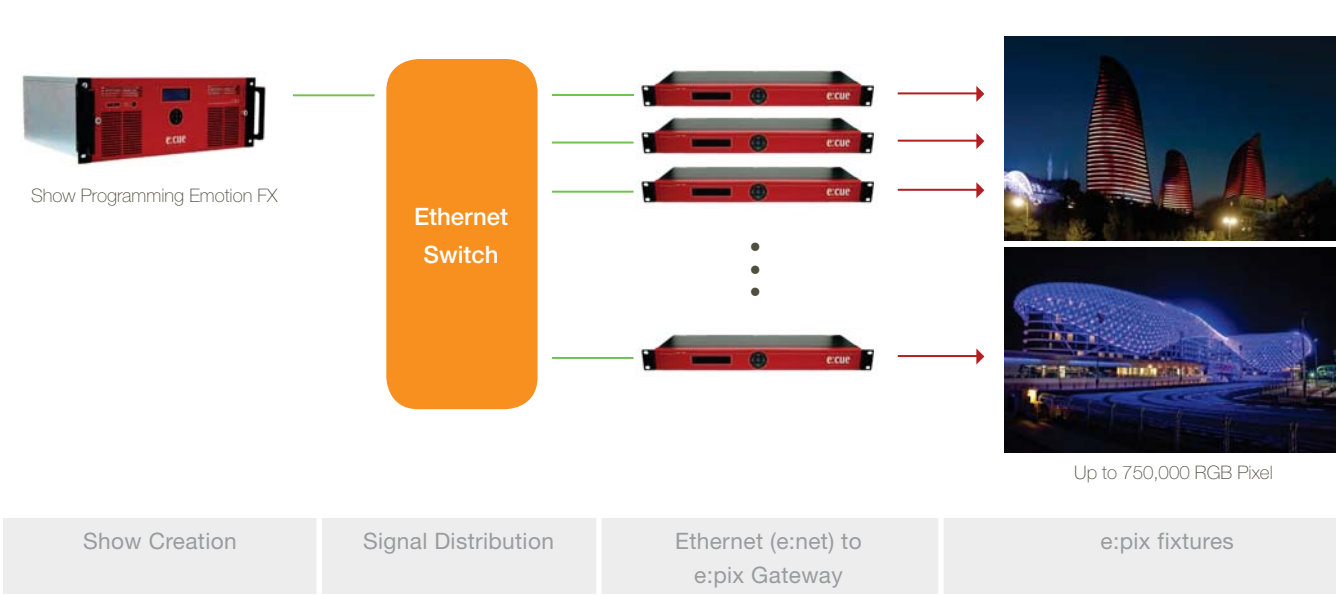
TX CONNECT®

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

Butler PRO Application Scenario

Setup Diagram DMX512/RDM

Show Programming
Emotion FX / LAS

optional

RDM Management LAS

Only applicable for projects with
more than 25,000 RDM fixtures

Ethernet
Switch

Up to 750,000 DMX512/RGB Pixel

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

Setup Diagram e:pix

Show Programming Emotion FX

Ethernet
Switch

Up to 750,000 RGB Pixel

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

DMX512/RDM
e:pix
e:net

Awards

Product Awards

64PXL Mirror Wash RGB
Design for Asia Award
Best Design - Greater China
2006

Middle East Lighting Design Awards (MELDA)
Innovative Product of the Year
2007

Butler Pro
IES Progress Report
Accepted
2013

Cove Light AC Dim
Production Innovation Awards (PIA)
PIA12 - Category: Cove/ Linear/ Wall Wash
2012

Cove Light AC HO
IES Progress Report
Accepted
2013

IMAGIC WEAVE HO
Production Innovation Awards (PIA)
PIA13 - Category: Building Enclosure
2013

Light-Drive
Architektur und Technik
"Architektur und Technik" award
2008

Light-Drive Elite
2010 IIDEX/NeoCon Canada Innovation Awards
Lighting Controls - Silver
2010

iF Design
iF Product Design Award 2010
2010

LFI Innovation Awards
Design Excellence
2010

Mesh RGB
2010 IIDEX/NeoCon Canada Innovation Awards
Innovative Lighting - Bronze
2010

Red Dot
Red Dot Design Award in 2009
2009

Nano Liner Allegro AC XB
IES Progress Report
Accepted
2013

Project Awards

Christ the Redeemer Monument - Rio de Janeiro, Brazil
Lighting Designer: Peter Gasper

Production Innovation Awards (PIA)
Best Renovation/Retrofit using SSL
2012

Crystal Hall - Baku, Azerbaijan
Lighting Designer: Lichtvision

illumni Infinity Award
illumni Infinity Awards 'Bronze' for facade lighting 2013
2013

Strand East Tower – London, United Kingdom
Lighting Designer: Hoare Lea Lighting

Lighting Design Awards 2013
Lighting Design Awards 2013 - Special Projects
2013

Flame Towers - Baku, Azerbaijan
Lighting Designer: Francis Krahe & Associates Inc (Francis Krahe, Le Nguyen)

LIGHTFAIR International 2013
Product Innovation Award - Most Impactful Use of SSL
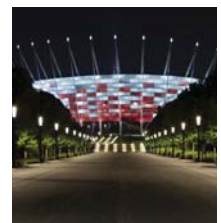2013

National Stadium - Warsaw, Poland
Developer: Narodowe Centrum Sportu Sp.zoo.o.
Lighting Designer: Lichtvision

CEEQA
Hotel, Leisure & Residential Development of the Year
Building of the Year
2012

illumni Infinity Award
illumni Infinity Awards 'Silver' for facade lighting 2013
2013

LDA Awards London
Best international project
2013

Lighting Design Awards 2013
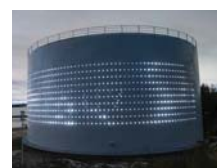Lighting Design Awards 2013 - International Project (Exteriors)
2013

Silo 468 - Helsinki, Finland
Lighting Designer: Lighting Design Collective

IALD International
IALD International Lighting Design Awards - Award of Excellence
2013

illumni Infinity Award
illumni Infinity Awards "Gold" for Light art installations 2013
2013

Project Credits

P4
JR Tokyo Station
Tokyo, Japan
Photography: © Toshio Kaneko

P6-7
Trade Fair Booth
Light + Building 2012
Frankfurt am Main, Germany
Photography: Natalie Bothur
2012

P8
San Mamés Stadium
Bilbao, Spain
Architect: Cesar Aitor
Azcarate- IDOM ACXT
Lighting Designer /
System Integrator /
Lighting Programmer:
Susaeta pro Lighting
Installer: Asmotur Uriarte
2014

P9
Wuhan Two Rivers and
Four Banks
Wuhan, China
Lighting Designer: Tsinghua
Holdings Habitat Development
Lighting Institute Co., Ltd
2016

Court of Final Appeal
Hong Kong, China
Lighting Designer: Light
Directions
Architect: Hong Kong
Government
Installer: Central/Fung's
2015

Arena Corinthians
São Paulo, Brazil
Lighting Designer: OSRAM
do Brazil
Architect: Anibal Coutinho
Installer: Temon Serviços de
Engenharia e Manutenção Ltda
2014

P10
Galeries Lafayette "Chrysalide"
Paris, France
Lighting Designer: Yann Kersalé
Architect: Djuric Tardio
Installer: INEO / Fayat Metal
Photography: © AIK-Yann
Kersalé
2012

P11
OPTIMALL
Hong Kong, China
Architect / Lighting Designer:
Woods Bagot
Installer: IBI Limited
2013

Möbel Martin,
Mainz, Germany
Lighting Concept: Tobias Link
Lichtplanung www.tobiaslink.de
Architect: Architekten Stumperl
& Becker GmbH
Photography: Tom Gundelwein
2012

Stockmann Department Store
Helsinki, Finland
Lighting Designer:
Olof Granlund Ltd.
Installer: Sun Effects Ltd.
Photography: © Hannu Iso-Oja
2012

P12
Grand Hyatt Incheon
Incheon, South Korea
Architect / Lighting Designer:
Gensler
Installer: Se-won Electronic
2014

P13
Jammertal Golf & Spa Resort
Datteln, Germany
Installer: OSRAM
Photography: OSRAM
2013

WU Mensa Vienna
Vienna, Austria
Architect: Tzou Lubroth
Architekten
Designer / Artwork: Markus
Leitsch (forest)
Installation: Tino Pfeifer, Light
Sound Media Design &
Engineering GmbH (LSM)
2013

Hotel Pullman, Ibirapuera
São Paulo, Brazil
Lighting Designer: Studio IX
Installer / Lighting Programmer:
New Energy
Photography © Alex Salim
2013

P14
Norwegian Cruise Line
Papenburg, Germany
Lighting Design General
Illumination: Project
International, London
Lighting Design Entertainment
Area: FUNA Head of OSRAM
Marine Lighting: Andreas Bär
Resource: Meyer Werft,
Papenburg
2014

P15
Bloom Pavilion
Macau, China
Design: USJ undergraduate
architecture students led by
professors Jason Dembski and
João Palla
2014

Harpa Concert Hall
Reykjavík, Iceland
Architect: Henning Larsen
Architects and Batteriid
Architects
Lighting Design: Henning
Larsen Architects
Installer: IAV
Photography: Jón Árni
Jóhannsson - Jóhann
Ólafsson & Co
2011

i Light Marina Bay 2016
"C'scape"
Singapore
Lighting Designer: Illuminate
Lighting Design
2016

P16
Brookfield Place (Heritage
Façade)
Toronto, ON, Canada
Lighting Designer: Marcel Dion,
Marcel Dion Lighting Design
Installer: Ainsworth
Photography: © Scott
Norsworthy
2013

P18
Liner Quattro AC XB RGBW
Application Picture

National Gymnastics Arena
Baku, Azerbaijan
Lighting Designer: Francis
Krahe & Associates
Architect: Broadway Malyan
2014

P20
Shanghai Tower
Shanghai, China
Lighting Designer: PHA, BPI
Architect: Gensler
Designer: Panasign
2015

Libeskind Sculptures
Milan, Italy
Lighting Designer/Architect:
Daniel Libeskind
2015

Biaxial Tower
Massachusetts Institute of
Technology (MIT) Campus
Cambridge, MA, USA
Lighting Designer: Self-
Assembly Lab, MIT
Architect: Atelier One + SGH
Installer: Tait Towers
2015

P22
Box Park
Dubai, UAE
Lighting Designer:
Delta Lighting Solutions
Architect: Studio M –
Meraas Development
Installer: BK Gulf
2015

Melbourne Cricket Ground
Melbourne, Australia
Lighting Designer: NDYLIGHT
Architect: Cox Architecture
2015

NH Collection Eurobuilding
Madrid Madrid, Spain
Lighting Designer: Lighting
Design Collective (LDC) - Tapio
Rosenius
Installer: Susaeta
2015

P24
National Stadium
Warsaw, Poland
Lighting Designer: Lichtvision
Architect: GMP Architekten-
Berlin,
JSK Architekci Sp. z o.o.,
Warsaw, Poland,
SBP-Stuttgart,
Installer: Elektrobudowa S.A
Photography: © Florian Licht,
Licht und Soehne
2012

P26
BASF
Florham Park, NJ, USA
Lighting Designer:
Kugler Ning Lighting Design
Architect: Gensler
Photography: © Gensler
2012

P28
Young Living Japan Showroom
Lounge Tokyo, Japan
Lighting Designer: Modulex
2014

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

P30
Public Library Foyer
Vancouver, Canada
2012

Staircase in the Stadthof
Zurich, Switzerland
Lighting Designer: Königslicht
GmbH, Zurich
Architect: Stücheli Architekten,
Zurich
Photography: SE
Lightmanagement AG
2013

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

P32
Nemours Children's Hospital
Orlando, FL, USA
Lighting Design: Anjan Sarkar,
CD+M
Photography: © Jonathan Hillyer
2012

Corporate Office Break Room
Overland Park, KS, USA
Architect: Burns & McDonnell
Lighting Designer: Burns &
McDonnell
Photography: © Alistair Tutton
Photography 2014
2014

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

P34
Al Gurg Trading &
Projects Office
Dubai, UAE
Lighting Designer / Installer:
Scientechnic
2012

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

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

P36
Dylan's Candy Bar
New York, NY, USA
Lighting Designer: Amy
Laughead, 37 Volts
Architect: Chute Gerdeman
Installer: Live Wire Electric
2015

Hyatt Regency Fukuoka La
Frasca Fukuoka, Japan
Architect: bazik Inc.
Installer: Maxray Inc.
2012

Project Credits

P38
Pachinko ZAP Ofuna Hall
Kanagawa, Japan
Designer / Architect: HAU'Z
co., Ltd. / KERUN co., Ltd.
2009

V City Mall
Hong Kong, China
Architect: Benoy
Lighting Designer:
Dinotech (AV portion)
2013

P40
Nemours Children's Hospital
Orlando, FL, USA
Lighting Design: Anjan Sarkar,
CD+M
Photography: © Jonathan
Hillyer
2012

Chevy Chase Pavilion
Washington, D.C., USA
Lighting Designer: MCLA
Architectural Lighting Design
Architect: Streetsense
Photography: © Ira Wexler
2012

Lighting Technology
Manufacture
Leipzig, Germany
Lighting Designer/Installer:
AEO GmbH
2012

P42
Burj Al Salam Tower
Dubai, UAE
Architect: ERGA Progress
Engineering Consultants
Installer: Aesthetix Media LLC
2014

Radisson Blu Hotel
Frankfurt, Germany
Architect: John Seiffert,
London
2014

Oil Port Bridge
Raunheim, Germany
Architect: BDB Architekten
Photography: Natalie Bothur
2013

P44
Mood Light™ Motion
Application Pictures

P46
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

P48
Galleria Department Store,
Cheonan, South Korea
2011

P50
National Gymnastics Arena
Baku, Azerbaijan
Lighting Designer: Francis
Krahe & Associates
Architect: Broadway Malyan
2014

Melbourne Cricket Ground
Melbourne, Australia
Lighting Designer: NDYLIGHT
Architect: Cox Architecture
2015

Box Park
Dubai, UAE
Lighting Designer: Delta
Lighting Solutions
Architect: Studio M – Meraas
Development
Installer: BK Gulf
2015

P52
Eaton
Cleveland, OH, USA
Architect: Ralph Appelbaum
Associates
Photography: © Eaton
2013

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

IBM Executive Briefing Center
Rome, Italy
Architect: Massimo Iosa Ghini
Installer: Sangalli Technologies Srl.
© Kevin A. Beswick
2009

P54
Sea Containers House
London, United Kingdom
Lighting Designer: Isometrix
Architect: TP Bennett
2016

i Light Marina Bay 2014
"Bedazzled
Singapore
Lighting Designer: Meinhardt
Light Studio Team (Rita
Widjaja, Lester Philip Cruz,
Nicole Ang)
2014

Noma Earth Tubes
Manchester, United Kingdom
Lighting Designer: Cundall
Light4
Architect: StudioTech
2015

P56
San Mames Stadium
Bilbao, Spain
Architect: Cesar Aitor
Azcarate- IDOM ACXT
Lighting Designer: Susaeta
pro Lighting
Installer: Asmotur Uriarte
2014

Szczecin Philharmonic
Szczecin, Poland
Lighting Designer: Traxon
Technologies, Wojciech
Mantur
Architect: Alberto Veiga -
Estudio Barozzi Veiga
Installer: DLL Partners
2014

P-ZONE Munakata
Fukuoka, Japan
Lighting Designer:
Yoshio Inoue
Installer: System Works
2015

P58
Triumph
Vienna, Austria
Designer / Architect:
EasyLife Schutz GmbH
Installer: EasyLife
Schutz 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

P60
Júlia Center
Andorra la Vella, Andorra
Architect: OROBITG – Arqui-
tectura I urbanisme
Installer: Datos Taller LANAO
2015

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

P62
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

P64
Grand Stade Lille Métropole
Lille, France
Architect: Valode & Pistre /
Pierre Ferret
Installer: EIFFAGE GROUP
Photography: HAVER &
BOECKER
2012

P66
St. Paulus Cathedral
Münster, Germany
Lighting Design: Antonius
Quodt - LightLife Gesellschaft
für audiovisuelle Erlebnisse mbH
Architect: Hermanns
Architekten, Hannes
Hermanns, Susanne Klösges
Photography: Andreas
Lechtap
2013

P68
YAS Marina Hotel
Abu Dhabi, UAE
Lighting Designer: ARUP
Lighting, New York
Architect: Asymptote
Architecture
2009

P72
Gateway Community College
New Haven, CT, USA
Lighting Designer: Horton
Lees Brogden Lighting
Design
Architect: Perkins+Will,
New York
2013

P74
Binary Sculpture of Manyata
Embassy Business Park
Bangalore, India
Lighting Designer: DPA
Lighting Design, London
Installer: Prism Inc
2013

P76
National Stadium
Warsaw, Poland
Lighting Designer: Lichtvision
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

P78
Orchard Gateway
Singapore
Architect: AWP Architect
Lighting Designer: Tokyo
Shomei
Installer: Sunray
2014

P80
The Middle Ring Expressway
Suzhou, China
Lighting Designer: Suzhou
Municipal Engineering Design
Institute Co., Ltd.
2015

Suzhou International Expo
Center
Suzhou, China
Lighting Designer: Suzhou
Municipal Engineering Design
Institute
2015

Madison College
Madison, WI, USA
Lighting Designer: Barbara
Lee, KJWW
Architect: Plunkett Raysich
Installer: Designlab (Systems
Integrator) and Staff Electric
(Electrical Contractor)
2013

P82
EUMETSAT
Darmstadt, Germany
Architect: Pielok Marquardt
Architekten
Installer: Bauer
Elektroanlagen GmbH
Photography: by
www.koculak.de
2012

Historical Town Hall
Kronach, Germany
2012

Barry J. Kaplan Bridge
Katy, TX, USA
Architect: TBG Partners
Photography: © Ruby
Rubenstahl
2013

P84
i Light Marina Bay 2016
"C'scape" Singapore
Lighting Designer: Illuminate
Lighting Design
2016

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

P86
Kendra Scott Jewelry Retail
Stores
Various Locations, US
Client: Kendra Scott Jewelry
Installer: IonArt
2015

Pulse Bamboo Pavilion
Macau, China
Design: USJ 3rd and 4th year
architecture students
Photography: Courtesy of
University of Saint Joseph
2013

Bülow Carré
Stuttgart, Germany
Art- and Lighting Concept:
Simone M. Ph. Jasinski,
Dortmund and
müllerundröhrig GmbH
Installation: müllerundröhrig GmbH
Photography: müllerundröhrig
GmbH
2013

P88
National Stadium
Warsaw, Poland
Lighting Designer: Lichtvision
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

Shanghai Tower
Shanghai, China
Lighting Designer: PHA, BPI
Architect: Gensler
Designer: Panasign
2015

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

P90
P-ZONE Munakata
Fukuoka, Japan
Lighting Designer: Yoshio Inoue
Installer: System Works
2015

Libeskind Sculptures
Milan, Italy
Lighting Designer/Architect:
Daniel Libeskind
2015

P96
TV Today Network Studio
Noida, India
Lighting Designer:
LDG (Lighting Design Group)
Installer: Pico
Photography: © TV Today
2012

P98
O'Hare International Airport
Terminal 5
Chicago, USA
Photography:
© Sarah Prange
2011

P100
LIGHTDRIVE+
Application Pictures

P102
Amsterdam ArenA
Amsterdam, the Netherlands
Lighting Designer:
Piet Boon (Interior Deisgner)
2013

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

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

Shinshu Tamahimeden
Bridal Hall
Nagano, Japan
Lighting Designer: Inter Media
Inc. and Traxon Japan
Photo Courtesy of Shinshu
Tamahimeden
2012

P104
Cirque du Soleil
Las Vegas, USA
Designer / Architect: KGM /
Marnell Corrao
Installer: NSI
2006

Trade Fair Booth
Light + Building 2012
Frankfurt/Main, Germany
Photography: Natalie Bothur
2012

P106
650 Fifth Avenue
New York, NY, USA
Lighting Designer:
Tillotson Design Associates
Photography: Jeffrey Kilmer
2013

P108
OSRAM Headquarter
"Lighthouse"
Munich, Germany
Installer:
Traxon Technologies
2013

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