
AIMTECH
Design for Ease

ODTÜ Teknokent Ostim Centre B1-15
Yenimahalle / ANKARA
www.aimtech.com.tr
+90 312 354 1041

About

AIMTECH, founded in 2013 with the scholarship by government R&D programme, is a tech company mastered upon design and manufacture of intelligent indoor and outdoor LED luminaries, mega LED video walls and control systems for LED luminaries. AIMTECH offers innovative and alternative solutions for lighting design, architecture and engineering firms with its proven quality and high reliability products related to LED lighting technologies.

Located at METU TechnoPark Ostim Campus, AIMTECH continues design and manufacturing services by the engineering team with over ten years of experience on design, manufacture and project management of LED lighting systems.

With entrepreneurial attitude and unique designs of LED luminaries, electronic sub-components of LED luminaries and project management capabilities, AIMTECH became a good candidate for creating unforgettable lighting experiences for entertainment and architectural markets.

AIMTECH will continue to keep customers happy and make itself known by high levels of customer satisfaction by providing service and production at worldwide standards in the field of electronics design, LED lighting solutions and project management services.

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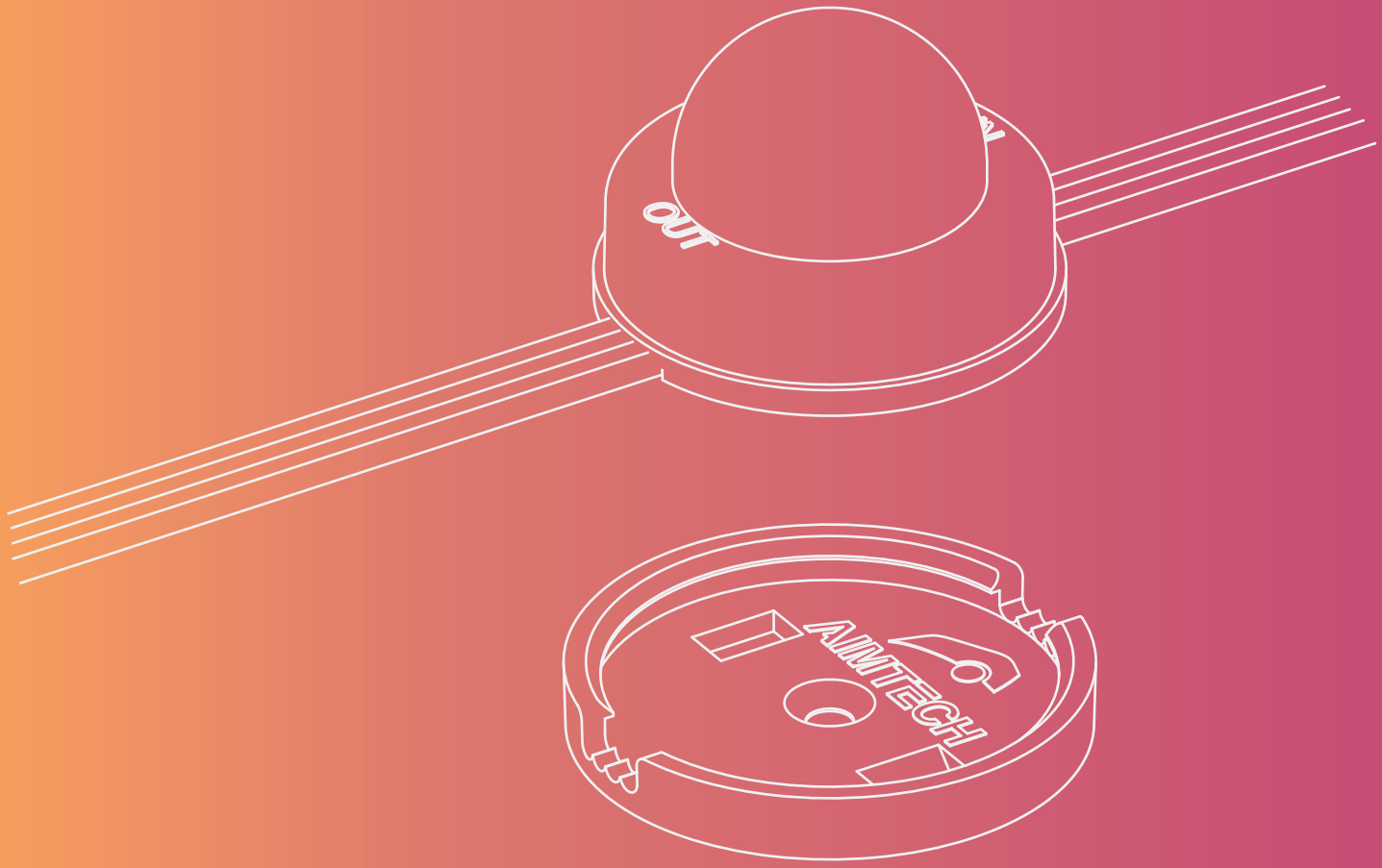
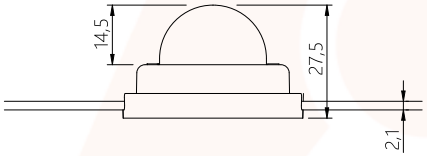
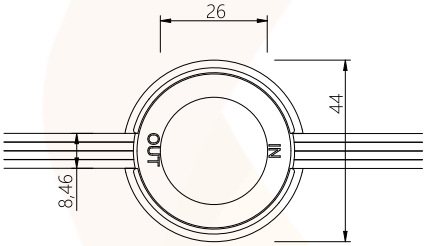
DomePie

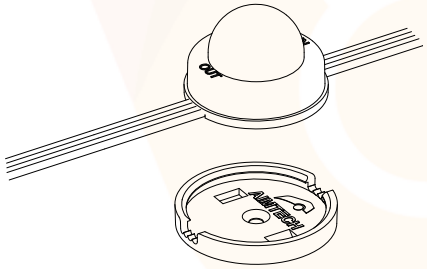


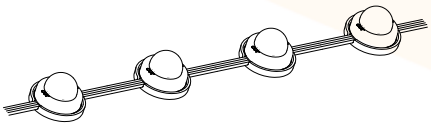
DomePie

DomePie is an individually controllable RGB pixel LED luminaire designed for creating cost effective LED video walls with minimum effort. DomePie, also used for decorative lighting, has a 180 degrees viewing angle achieved by its UV resistant polycarbonate diffuser, which also gives a homogenous light radiation.
DomePie is manufactured as strings of luminaires that are connected to each other via flexible flat cables. Customizable pixel pitch, string length and the number of luminaires per string make DomePie a perfect solution for creating LED Video Walls on any surface without any constraints on luminaire size or shape.
Auto-addressing feature of DomePie makes addressing and mapping easier and less time consuming. Creating visual effects or mapping video on DomePie strings is easily achieved by AIM-VMX-EVO or any DMX based LED controllers.









- String based, flexible, direct view LED luminaires
- Customizable pixel pitch and the number of luminaries per string
- IP67 rated for outdoor use
- Can be controlled via any DMX based controller
- Easy mapping and addressing with its auto addressing feature
- Clear diffused body option for brighter output

General

Number of LEDs on Luminaire	6 x RGB SMD
Number of Luminaires in String	50 (maximum)
Color Depth	16.7 million
Control	DMX512

Physical

Dimensions	Ø44mm x 27.5mm
Body	Polycarbonate (UV)
Cabling	4 pins flat cable
Operating Temperature	-25°C ~ +55°C
Enclosure Rating	IP67
Weight	20gr

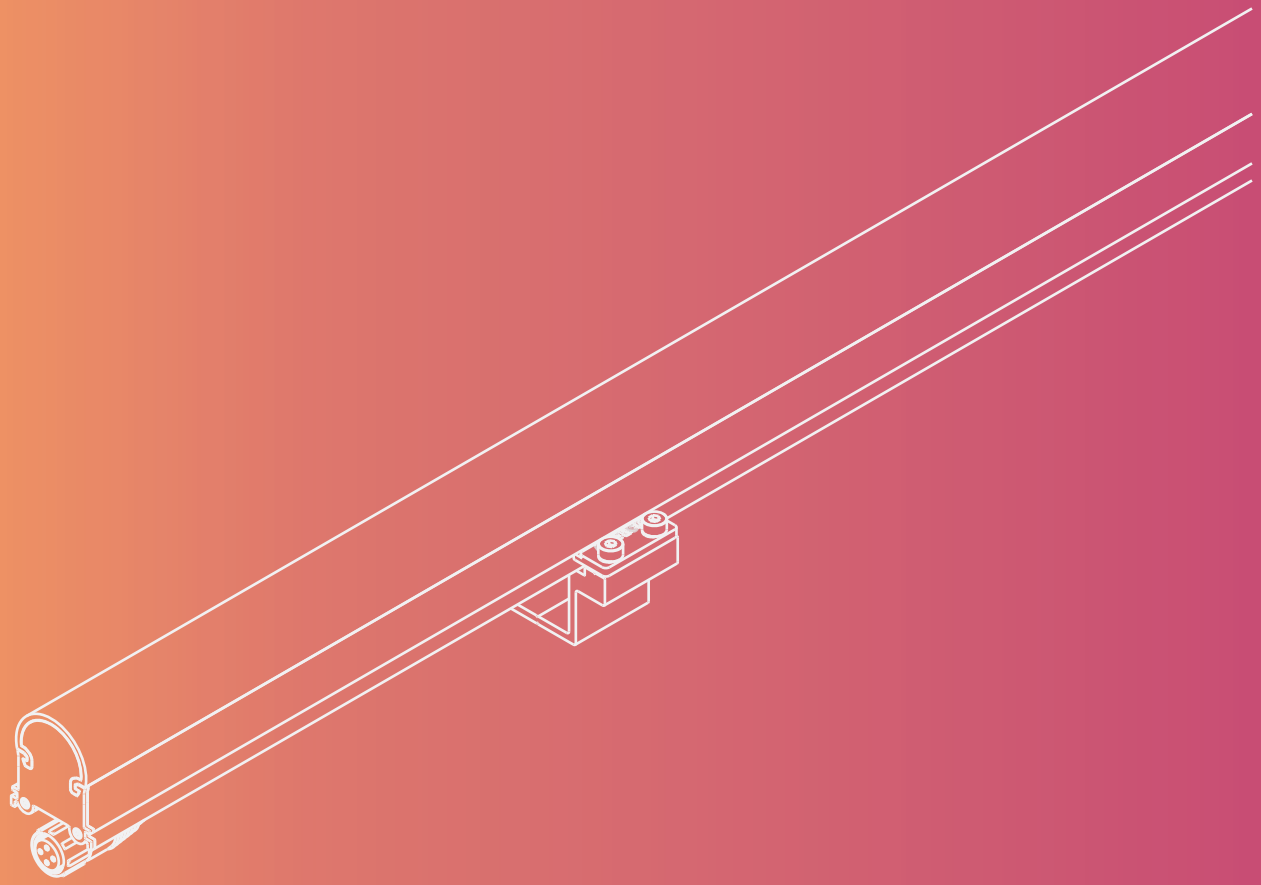
Optical

Brightness	7.5 cd
Lumens Per Node	47 lm
Viewing Angle	180°

Electrical

Power	1.5 W
Operating Voltage	24 VDC

AirLine



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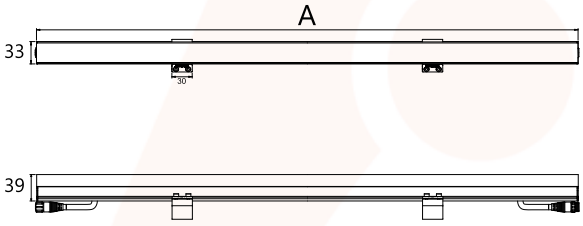
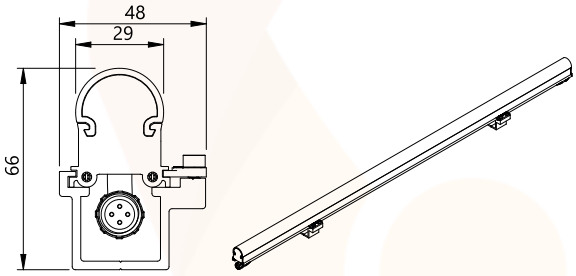




AirLine Px7

AirLine Px7 is a pixel controllable direct view linear LED luminaire designed for building LED video applications and creating long ribbons of color changing effects.
AirLine Px7 has 15cm sub modules which are configured as unique controllable pixels. The standard production length of luminaire starts from 15cm and goes up to 180cm with multiples of 15cm. Each 15cm length module consists of 6 RGB LEDs and acts as a single controllable pixel.
AirLine Px7 has 180 degrees viewing angle. It is achieved by its UV resistant polycarbonate diffuser which also provides a homogenous light radiation. The luminaire is designed for harsh outdoor environment usage. The main body of the luminaire is aluminum extrusion and the electronics inside the luminaire are covered by a polyurethane based liquid so that the luminaire meets IP67 enclosure ratings.
Auto-addressing feature of AirLine Px7 makes addressing and mapping easier and less time consuming. Creating visual effects or mapping video on AirLine Px7 ribbons are easily achieved by AIM-VMX-EVO or any DMX based LED controllers.

- Modular design - 15cm and its multiples up to 180cm length
- Aluminum extrusion body and UV resistant diffuser
- Custom body color (optional RAL codes)
- Sequential daisy chain connections with combined power/data connectors
- IP67 rated for outdoor use
- Can be controlled via any DMX based controller
- Easy setup, mapping and addressing with its auto addressing feature
- Clear diffuser option for wall grazing and cove lighting applications

General

Number of LEDs	42 RGB SMD LEDs @ 105cm
Pixel Pitch	15cm
Pixel Content	6 RGB LEDs @ 1 pixel
Color Depth	16.7 million
Control	DMX512

Physical

Dimensions	(A*)mm x 33mm x 39mm
Body	Aluminium extrusion
Connection	IP67 combined data/power connector
Operating Temperature	-25°C ~ +55°C
Enclosure Rating	IP67
Weight	700 gr / mt

Optical

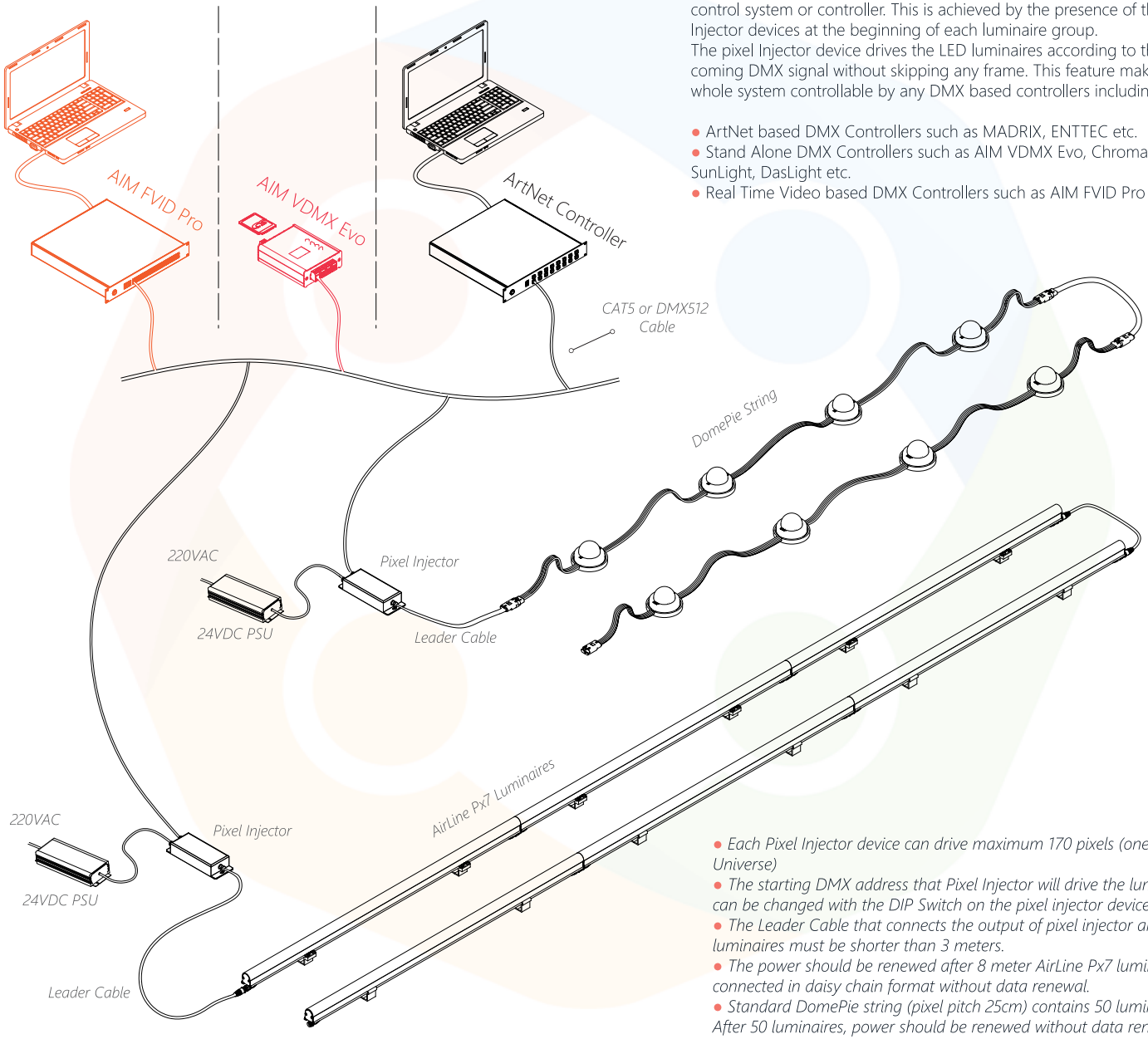
Brightness	70 cd/m
Lumens Per Meter	464 lm
Viewing Angle	180°

Electrical

Power	10 W/m
Operating Voltage	24 VDC

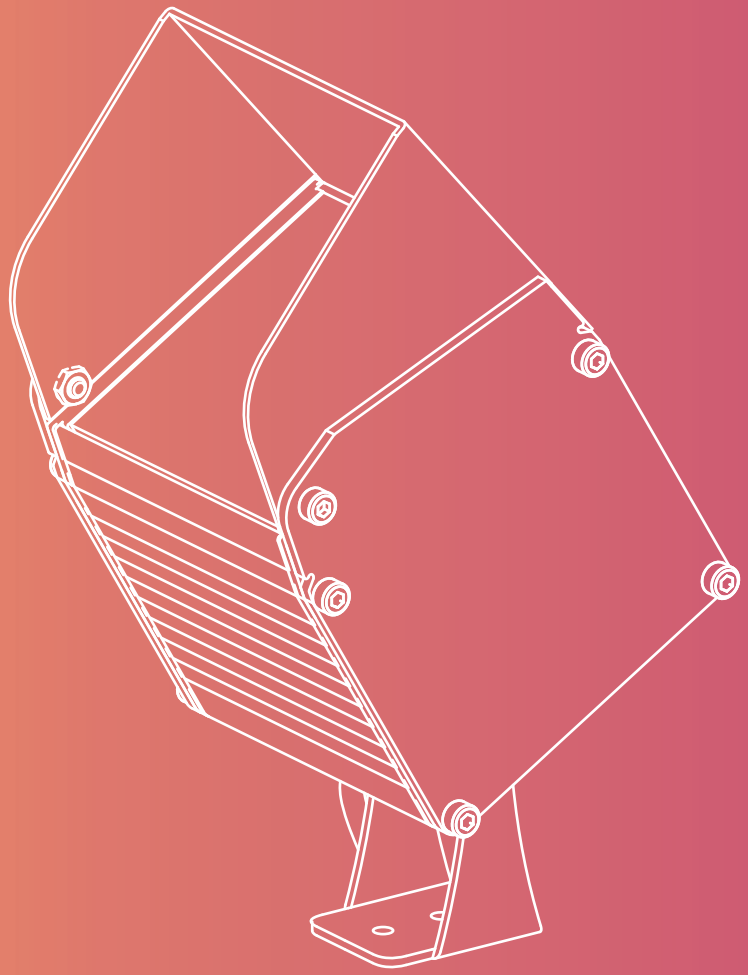
AirLine Px7 and DomePie can easily be controlled with any DMX based control system or controller. This is achieved by the presence of the Pixel Injector devices at the beginning of each luminaire group.
The pixel Injector device drives the LED luminaires according to the coming DMX signal without skipping any frame. This feature makes the whole system controllable by any DMX based controllers including:

- ArtNet based DMX Controllers such as MADRIX, ENTTEC etc.
- Stand Alone DMX Controllers such as AIM VDMX Evo, Chromateq, SunLight, DasLight etc.
- Real Time Video based DMX Controllers such as AIM FVID Pro



- *Each Pixel Injector device can drive maximum 170 pixels (one DMX Universe)*
- *The starting DMX address that Pixel Injector will drive the luminaires can be changed with the DIP Switch on the pixel injector device.*
- *The Leader Cable that connects the output of pixel injector and the first luminaires must be shorter than 3 meters.*
- *The power should be renewed after 8 meter AirLine Px7 luminaires connected in daisy chain format without data renewal.*
- *Standard DomePie string (pixel pitch 25cm) contains 50 luminaires. After 50 luminaires, power should be renewed without data renewal. With different pixel pitches, string length changes accordingly.*

W Spot



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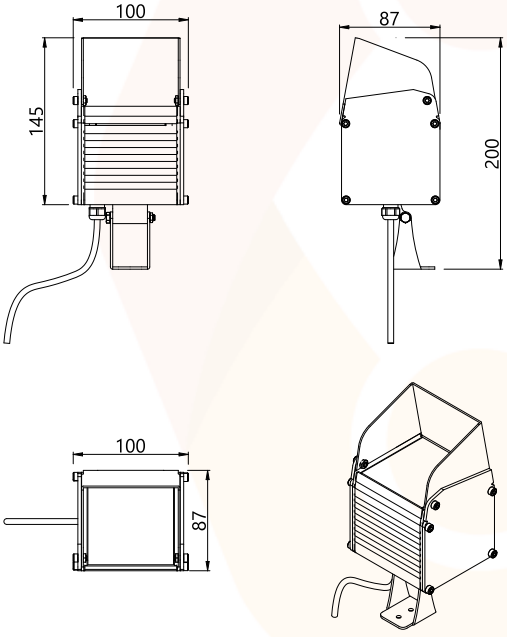


W Spot

W Spot is a rectangular shaped exterior LED spot luminaire designed for architectural facade lighting and high brightness flood lighting applications. Various customizable options including light, control and mounting; made it a stunning cost effective choice for various facade lighting projects.

The IP67 outdoor rated W Spot is designed to work in harsh environment and in all weather conditions. The aluminum extrusion housing provides an effective heat dissipation feature which results in higher stability and longer LED lifetime. Tempered clear glass is used as luminaire cover so that the light radiation will never be disrupted. The assembly components used in luminaire are stainless. All these physical details make the fixture ideal for all weather outdoor usage.

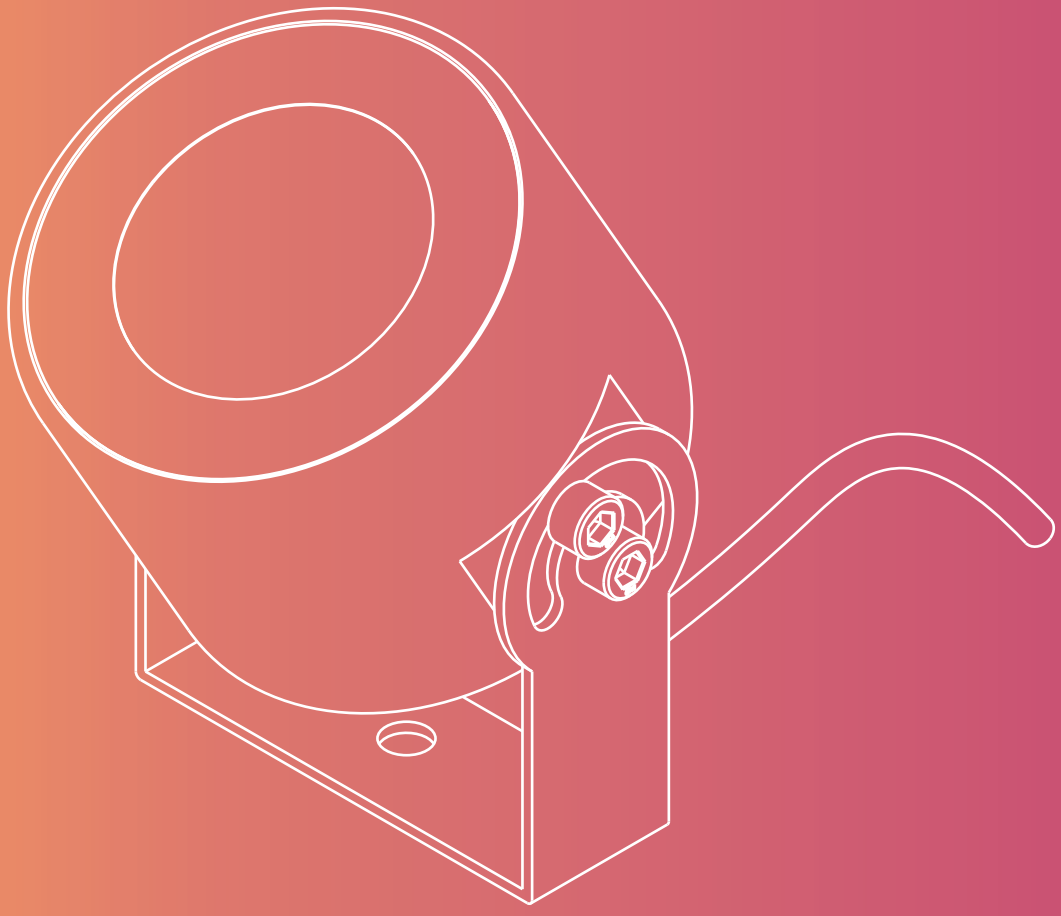
W Spot can be mounted on various surfaces with its standard or customized mounting accessories which also gives flexible aiming capability to the luminaire. Besides, there are various lens (beam angle) options giving opportunity of more focused grazing.

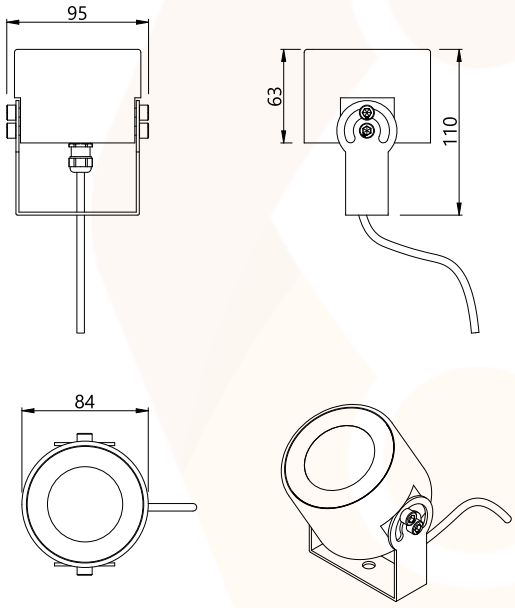
W Spot has mono color and color changing versions. Color changing version has a built-in DMX decoder inside the luminaire which makes the luminaire easy to install without any need for external housing for DMX decoder units. It has a broad range of color options that are RGB, RGBW and RGBA. All the luminaires have versions both operating with 220VAC or 24VDC. 220VAC version has built-in LED driver for both mono color and color changing options removing the necessity for an external housing for LED driver.

W Spots can be powered and controlled using a single cable combining power and data without any need for separate cabling. This outstanding feature makes the installation easier. The IP67 connector option is also available for faster and error free installations.

- Red, green, blue, amber, 2700K, 3000K, 4000K, 6500K mono color options
- RGB, RGBW, RGBA and dynamic white color changing options
- Color changing feature by built in DMX decoder unit
- Narrow, medium, wide, elliptical and elliptical wide LED lens options
- Honeycomb grid and anti-glare screen accessories
- 9W and 18W power options
- IP67 rated for outdoor use
- Aluminum extrusion body and tempered glass cover
- Standard and custom mounting accessories
- Custom body color (optional RAL codes)
- Power and data combined in a single IP67 connector
- 220VAC or 24VDC operating voltage options for both mono color and color changing versions
- Built-in LED driver inside the housing of the luminaire for 220VAC version

S Spot





S Spot

S Spot is an exterior LED spot luminaire designed for architectural facade lighting and high brightness flood lighting applications. With both its design and color changing abilities, it became a powerful and cost effective candidate for architects and lighting designers.

The IP67 outdoor rated S Spot is designed to work in harsh environment and in all weather conditions. The aluminum body provides an effective heat dissipation feature which results in higher stability and longer LED lifetime. Tempered clear glass is used as luminaire cover so that the light radiation will be never disrupted. The assembly components used in luminaire are stainless. All these physical details make the fixture ideal for all weather outdoor usage.

S Spot can be mounted on various surfaces with its standard or customized mounting accessories which also gives flexible aiming capability to the luminaire. Besides, there are various lens (beam angle) options giving opportunity of more focused grazing.

S Spot has mono color and color changing versions. Color changing version has a built-in DMX decoder inside the luminaire which makes the luminaire easy to install without any need for external housing for DMX decoder units. It has RGBW and RGBA color options. All the luminaires have versions both operating with 220VAC or 24VDC. 220VAC version has built-in LED driver for both mono color and color changing options removing the necessity for an external housing for LED driver.

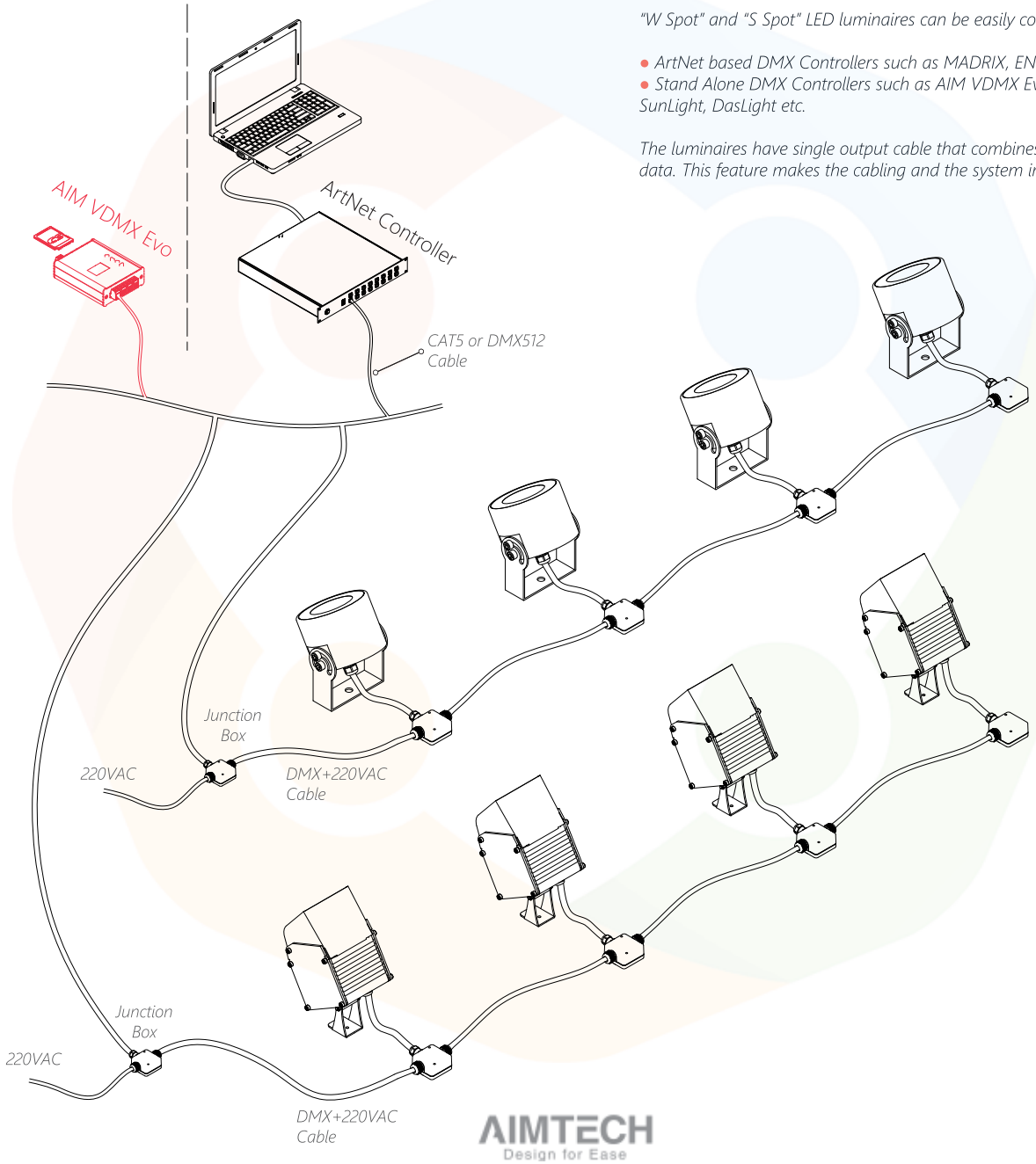
S Spots can be powered and controlled using a single cable combining power and data without any need for separate cabling. This outstanding feature makes the installation easier. The IP67 connector option is also available for faster and error free installations.

- Contains 4 high efficient power LEDs
- Red, green, blue, amber, 2700K, 3000K, 4000K, 6500K mono color options
- RGBW, RGBA and dynamic white color changing options
- Color changing feature by built in DMX decoder unit
- Narrow, medium, wide, elliptical and elliptical wide LED lens options
- Single lens option for superior close field color mixing (for color changing versions)
- 4W and 8W power options
- IP67 rated for outdoor use
- Aluminum body and tempered glass cover
- Standard and custom mounting accessories
- Custom body color (optional RAL codes)
- Power and data combined in a single IP67 connector
- 220VAC or 24VDC operating voltage options for both mono color and color changing versions
- Built-in LED driver inside the housing of the luminaire for 220VAC version

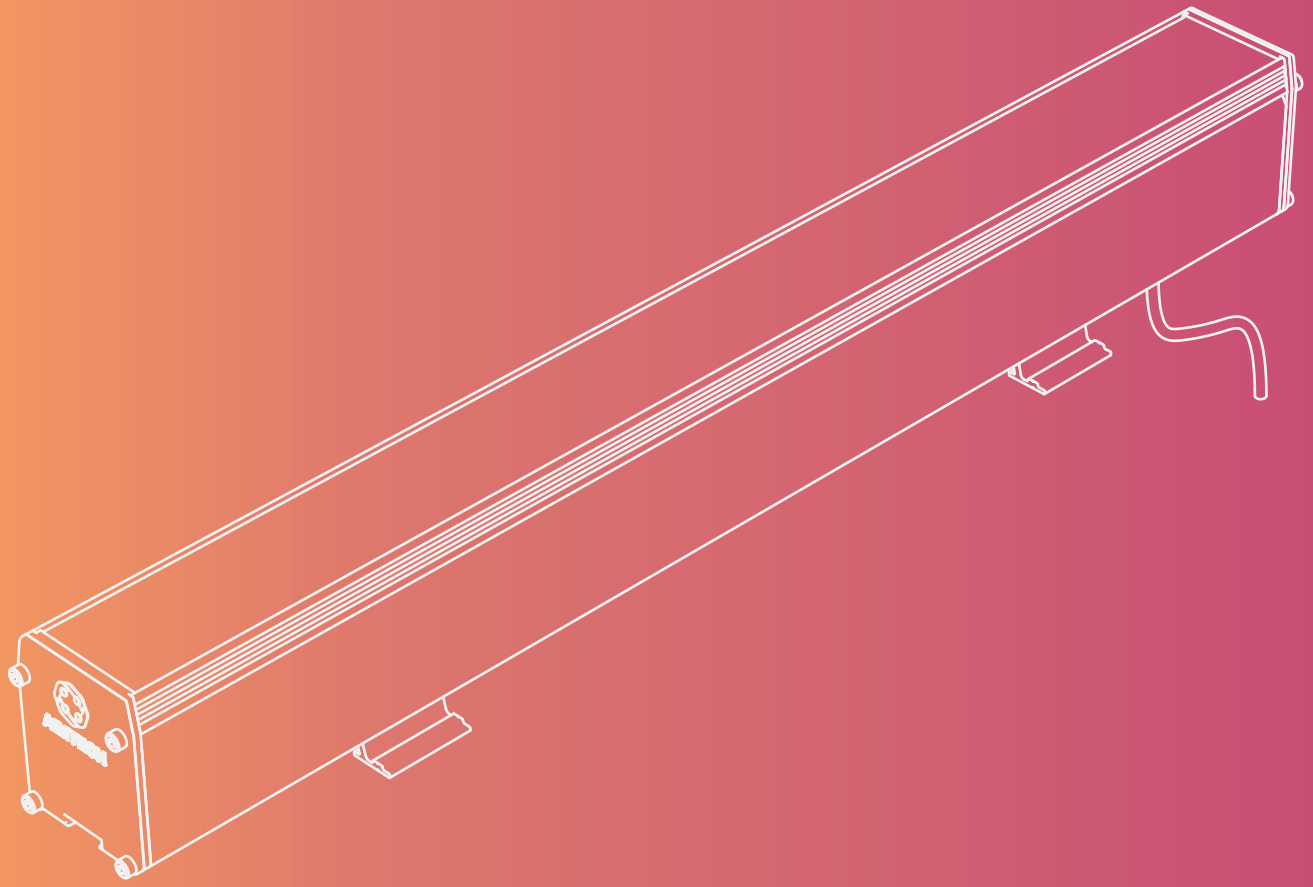
"W Spot" and "S Spot" LED luminaires can be easily controlled using;

- *ArtNet based DMX Controllers such as MADRIX, ENTTEC etc.*
- *Stand Alone DMX Controllers such as AIM VDMX Evo, Chromateq, SunLight, DasLight etc.*

The luminaires have single output cable that combines both power and data. This feature makes the cabling and the system installation easier.



Wall E-XL



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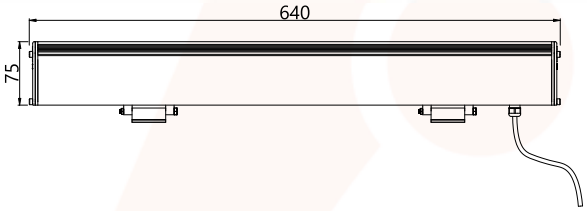
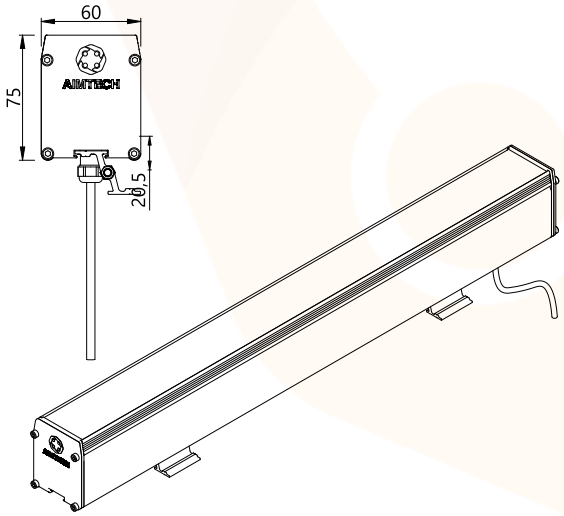
Wall E-XL





Wall E-XL is an exterior linear LED luminaire designed for architectural illumination. It is mainly used in high brightness wall washing, wall grazing, interior/exterior facade illumination and flood lighting applications.

The IP67 outdoor rated Wall E-XL is designed to work in harsh environment and in all weather conditions. The aluminum extrusion housing provides an effective heat dissipation feature that results in higher stability and longer LED lifetime. Tempered clear glass is used as luminaire cover so that the light radiation will never be disrupted. The assembly components used in luminaire are stainless. All these physical details make the fixture ideal for all weather outdoor usage.

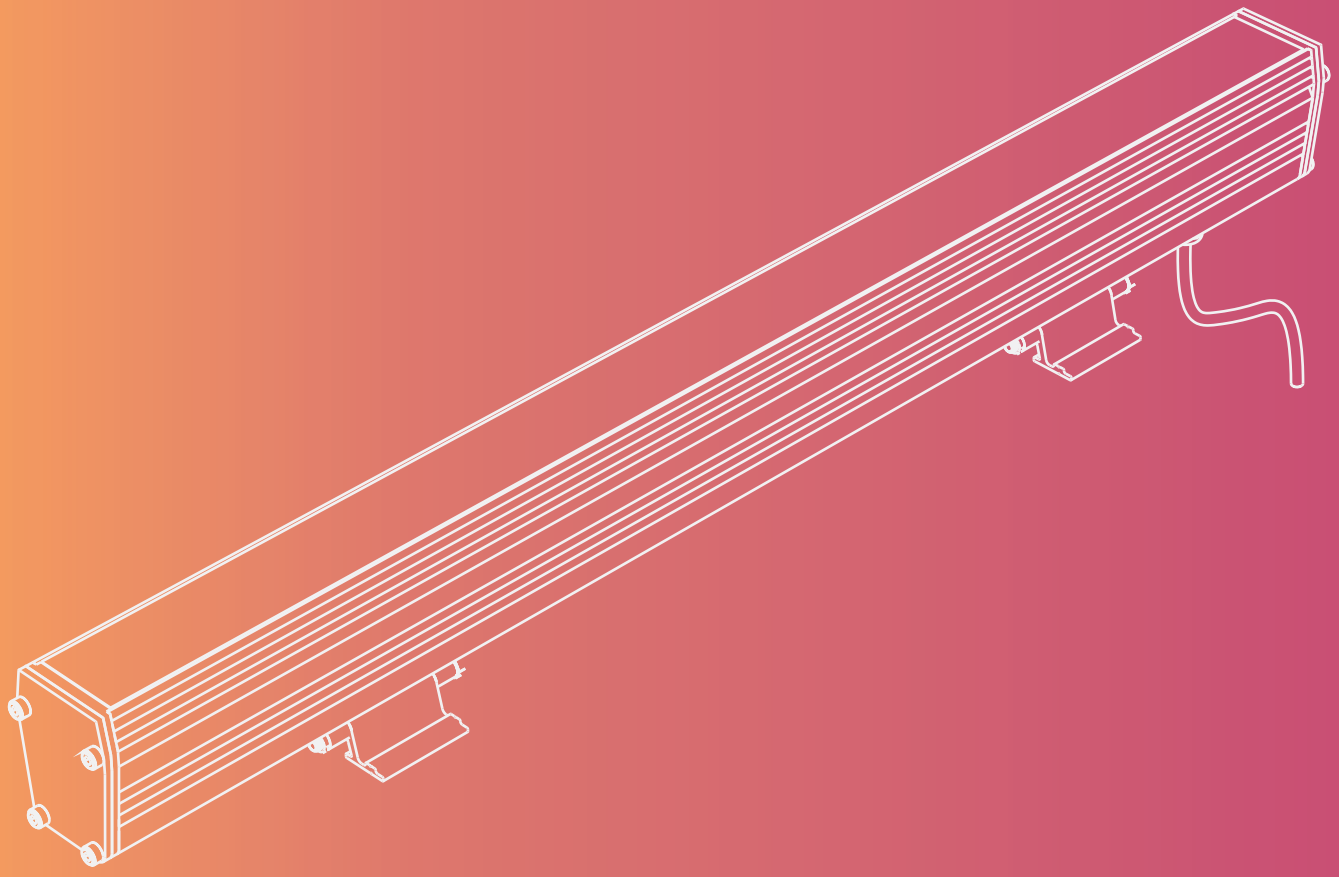
Wall E-XL can be mounted on various surfaces with its standard or custom designed mounting accessories. Besides, there are various lens (beam angle) and power options. Wall E-XL has also honeycomb grid and anti-glare screen accessories which keeps the light away from unwanted radiation. With all these optional features, the luminaire can be easily specialized for the application type such as wall washing, grazing, and flood lighting.

Wall E-XL has mono color and color changing versions. Color changing version has a built in DMX decoder inside the luminaire that makes the fixture easy to install without any need for external housing for DMX decoder units. It has a broad range of color options which are RGB, RGBW and RGBA. All the luminaries have versions both operating with 220VAC or 24VDC. 220VAC version has built in LED driver for both mono color and color changing options removing the necessity for an external housing for LED driver.

Thanks to the specialized in-out connectors that have both power and data inside the same cable, Wall E-XL's can be connected in a daisy chain manner without any need for separate cabling for data and power. This outstanding feature makes the installation easier than ever.

- 34 / 64 / 94 / 124 cm luminaire length options
- Red, green, blue, amber, 2700K, 3000K, 4000K, 6500K mono color options
- RGB, RGBW, RGBA and dynamic white color changing options
- Color changing feature by built in DMX decoder unit
- Single or double lane LED options
- Narrow, medium, wide, elliptical and elliptical wide LED lens options
- Power options available between 9W and 144W
- IP67 rated for outdoor use
- Aluminum extrusion body and tempered glass cover
- Honeycomb grid and anti-glare screen accessories
- Standard and custom mounting accessories
- Custom body color (optional RAL codes)
- Power and data combined in a single IP67 connector
- Sequential daisy chain connection
- 220VAC or 24VDC operating voltage options for both mono color and color changing versions
- Built-in LED driver inside the housing of the luminaire for 220VAC version

Wall E-M



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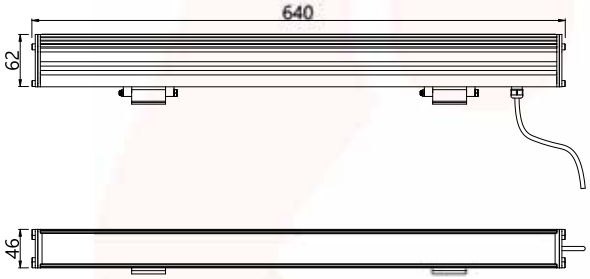
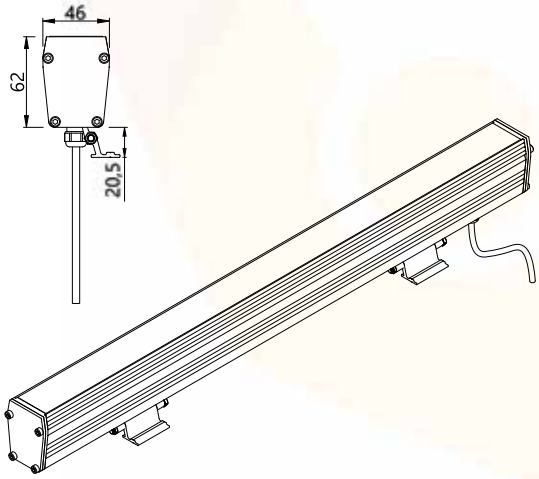
Wall E-M





Wall E-M is an exterior linear slim type LED luminaire designed for architectural illumination. It is mainly used in high brightness wall washing, wall grazing, interior/exterior facade illumination and flood lighting applications.

The IP67 outdoor rated Wall E-M is designed to work in harsh environment and in all weather conditions. The aluminum extrusion housing provides an effective heat dissipation feature which results in higher stability and longer LED lifetime. Tempered clear glass is used as luminaire cover so that the light radiation will never be disrupted. The assembly components used in luminaire are stainless. All these physical details make the fixture ideal for all weather outdoor usage.

Wall E-M can be mounted on various surfaces with its standard or custom designed mounting accessories. Besides, there are various lens (beam angle) and power options. Wall E-M has also honeycomb grid and anti-glare screen accessories which keep the light away from unwanted radiation. With all these optional features, the luminaire can be easily specialized for the application type such as wall washing, grazing, and flood lighting.

Wall E-M has mono color and color changing versions. Color changing version has a built-in DMX decoder inside the luminaire that makes the luminaire easy to install without any need for external housing for DMX decoder units. It has a broad range of color options that are RGB, RGBW and RGBA. All the luminaires have versions both operating with 220VAC or 24VDC. 220VAC version has built-in LED driver for both mono color and color changing options removing the necessity for an external housing for LED driver.

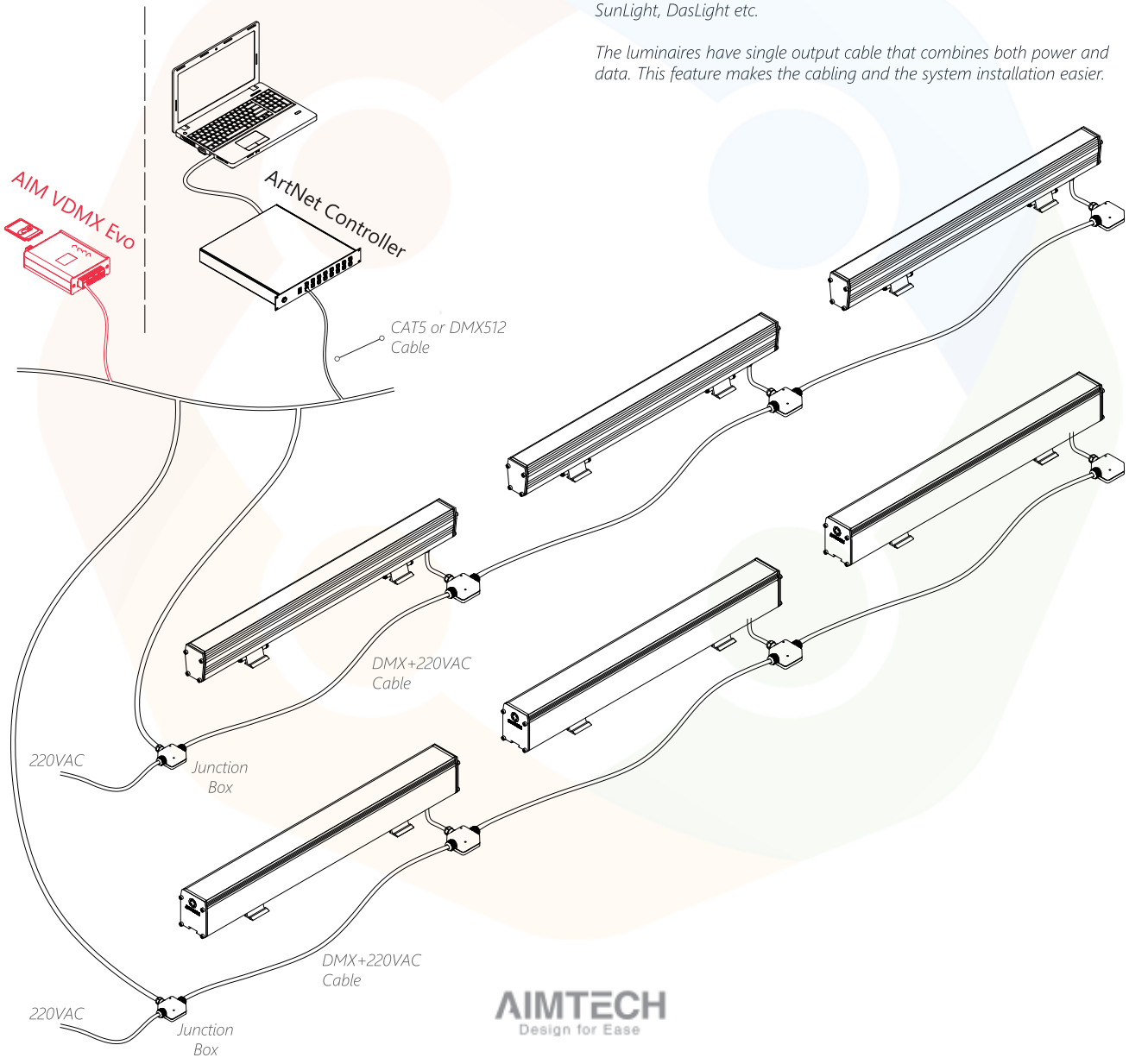
Thanks to the specialized in-out connectors that have both power and data inside the same cable, Wall E-Ms can be connected in a daisy chain manner without any need for separate cabling for data and power. This outstanding feature makes the installation easier than ever.

- More compact but still powerful slim type body
- 34 / 64 / 94 / 124 cm luminaire length options
- Red, green, blue, amber, 2700K, 3000K, 4000K, 6500K mono color options
- RGB, RGBW, RGBA and dynamic white color changing options
- Color changing feature by built in DMX decoder unit
- Narrow, medium, wide, elliptical and elliptical wide LED lens options
- Power options available between 9W and 72W
- IP67 rated for outdoor use
- Aluminum extrusion body and tempered glass cover
- Honeycomb grid and anti-glare screen accessories
- Standard and custom mounting accessories
- Custom body color (optional RAL codes)
- Power and data combined in a single IP67 connector
- Sequential daisy chain connection
- 220VAC or 24VDC operating voltage options for both mono color and color changing versions
- Built-in LED driver inside the housing of the luminaire for 220VAC version

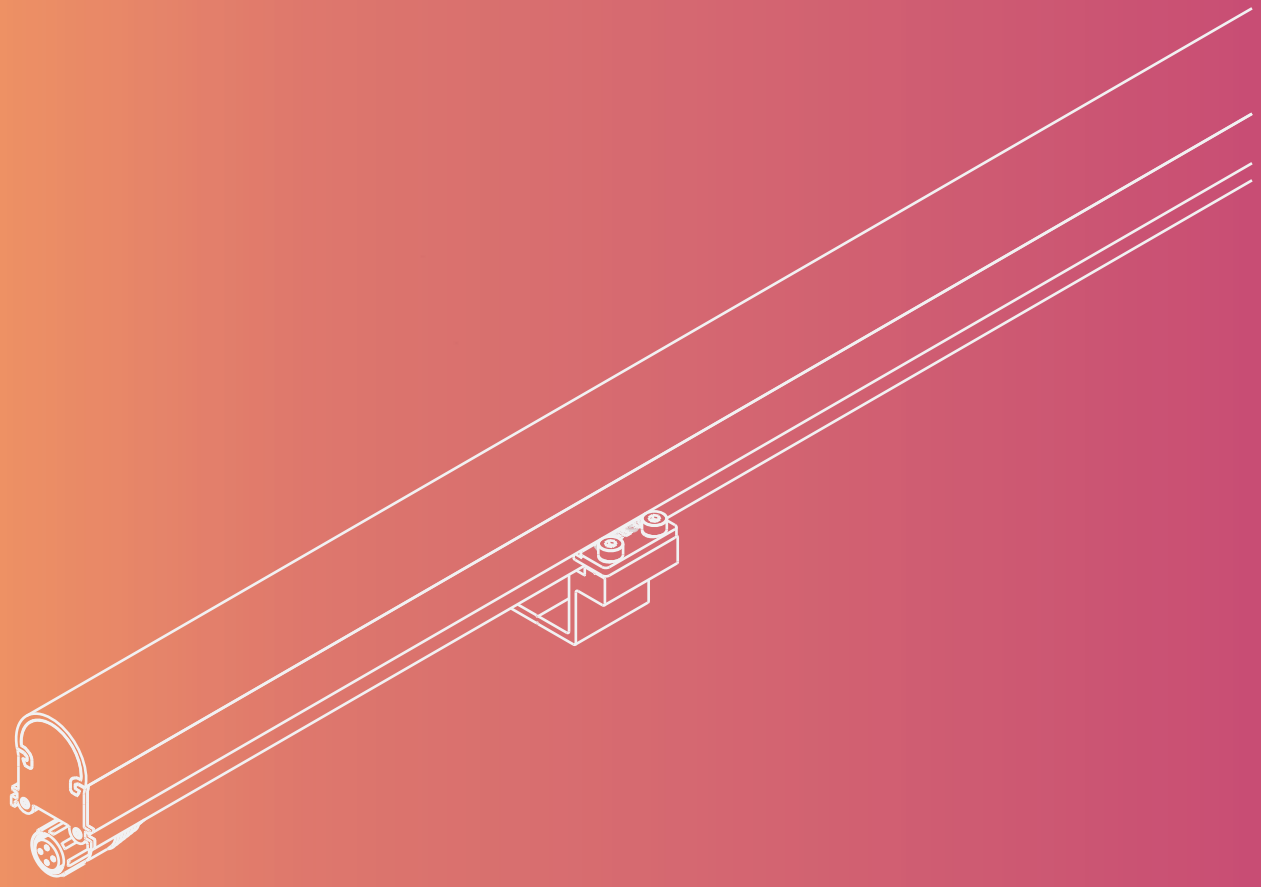
"Wall E-XL" and "Wall E-M" LED luminaires can be easily controlled using;

- *ArtNet based DMX Controllers such as MADRIX, ENTTEC etc.*
- *Stand Alone DMX Controllers such as AIM VDMX Evo, Chromateq, SunLight, DasLight etc.*

The luminaires have single output cable that combines both power and data. This feature makes the cabling and the system installation easier.



LinearLine RGB



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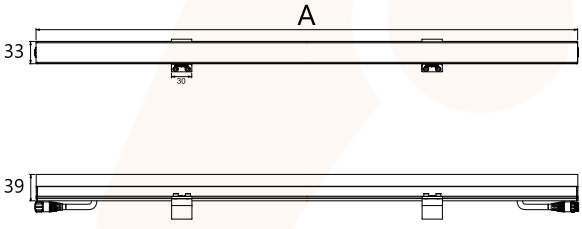
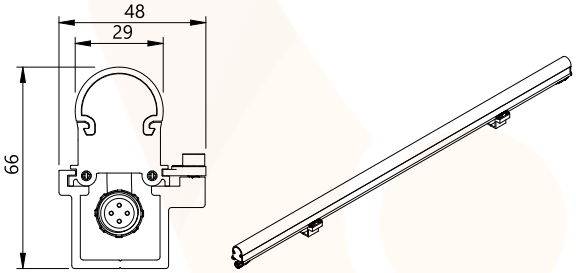




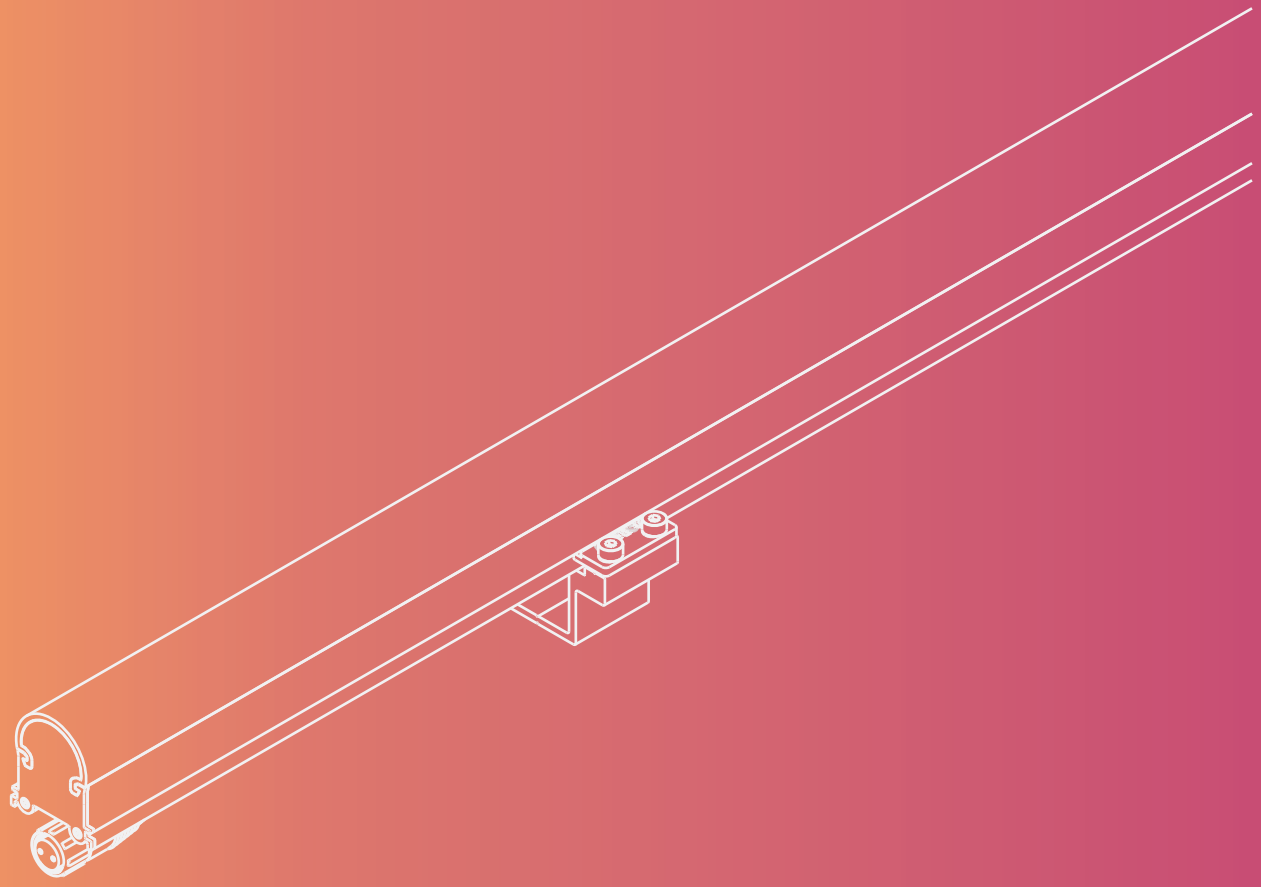
LinearLine RGB

LinearLine RGB is a color changing direct view linear LED luminaire designed for decorative lighting including cove and edge lighting applications. With its color changing capability, long linear color changing effects can be created easily.
The standard production length of luminaire starts from 25cm and goes up to 200cm with multiples of 125mm.
LinearLine RGB has 180 degrees viewing angle. It is achieved by its UV resistant polycarbonate diffuser which also provides a homogenous light radiation.
The luminaire is designed for harsh outdoor environment usage. The main body of the luminaire is aluminum extrusion and the electronics inside the luminaire are covered by a polyurethane based liquid so that the luminaire meets IP67 enclosure ratings. With its special design, the luminaries can be connected with its IP67 in-out connectors in a daisy chain topology without any discontinuity in linear light diffusion.

- Modular design - 12.5cm and its multiples up to 200cm length
- Aluminum extrusion body and UV resistant diffuser
- Custom body color (optional RAL codes)
- Clear diffuser option for wall grazing and cove lighting applications
- Sequential daisy chain connections with IP67 connectors
- IP67 rated for outdoor use
- Color changing by any dimmer including DMX512 constant voltage dimmers
- 48 RGB LEDs per meter
- 24VDC operating voltage
- RGBW version is also available with 48 RGB LEDs + 48 White (2700K-6500K) LEDs per meter

General	
Number of LEDs	48 RGB SMD LEDs @ 100cm
LED Type	3 in 1 SMD RGB
Physical	
Dimensions	(A*)mm x 33mm x 39mm
Body	Aluminum extrusion
Connection	IP67 in-out connector
Operating Temperature	-25°C ~ +55°C
Enclosure Rating	IP67
Weight	700 gr (100cm luminaire)
Optical	
Brightness	105 cd/m
Lumens Per Meter	690 lm
Viewing Angle	180°
Electrical	
Power	15 W/m
Operating Voltage	24 VDC

LinearLine MC



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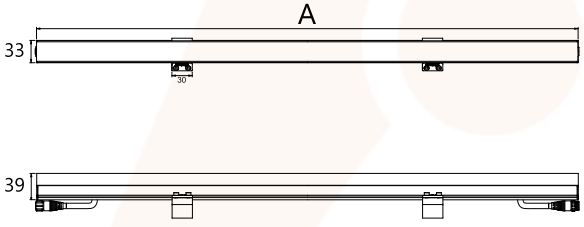
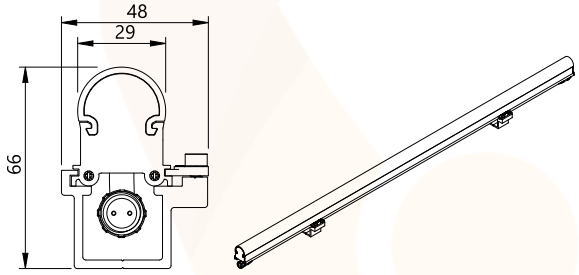




LinearLine MC

LinearLine MC is a mono color direct view linear LED luminaire designed for decorative lighting including cove and edge lighting applications.
The standard production length of luminaire starts from 25cm and goes up to 200cm with multiples of 125mm.
LinearLine MC has 180 degrees viewing angle. It is achieved by its UV resistant polycarbonate diffuser which also provides a homogenous light radiation.
The luminaire is designed for harsh outdoor environment usage. The main body of the luminaire is aluminum extrusion and the electronics inside the luminaire are covered by a polyurethane based liquid so that the luminaire meets IP67 enclosure ratings. With its special design, the luminaries can be connected with its IP67 in-out connectors in a daisy chain topology without any discontinuity in linear light diffusion.

- Modular design - 12.5cm and its multiples up to 200cm length
- Aluminum extrusion body and UV resistant diffuser
- Custom body color (optional RAL codes)
- Clear diffuser option for wall grazing and cove lighting applications
- Sequential daisy chain connections with IP67 connectors
- IP67 rated for outdoor use
- Dimmable by any dimmer including DMX512 constant voltage dimmers
- 48 mono color LEDs per meter
- 24VDC operating voltage
- 3000K, 4000K and 6500K color temperature options
- Red, green, blue and amber color options

General

Number of LEDs	48 SMD LEDs @ 100cm
LED Type	Mono Color SMD LED

Physical

Dimensions	(A*)mm x 33mm x 39mm
Body	Aluminum extrusion
Connection	IP67 in-out connector
Operating Temperature	-25°C ~ +55°C
Enclosure Rating	IP67
Weight	700 gr (100cm luminaire)

Optical

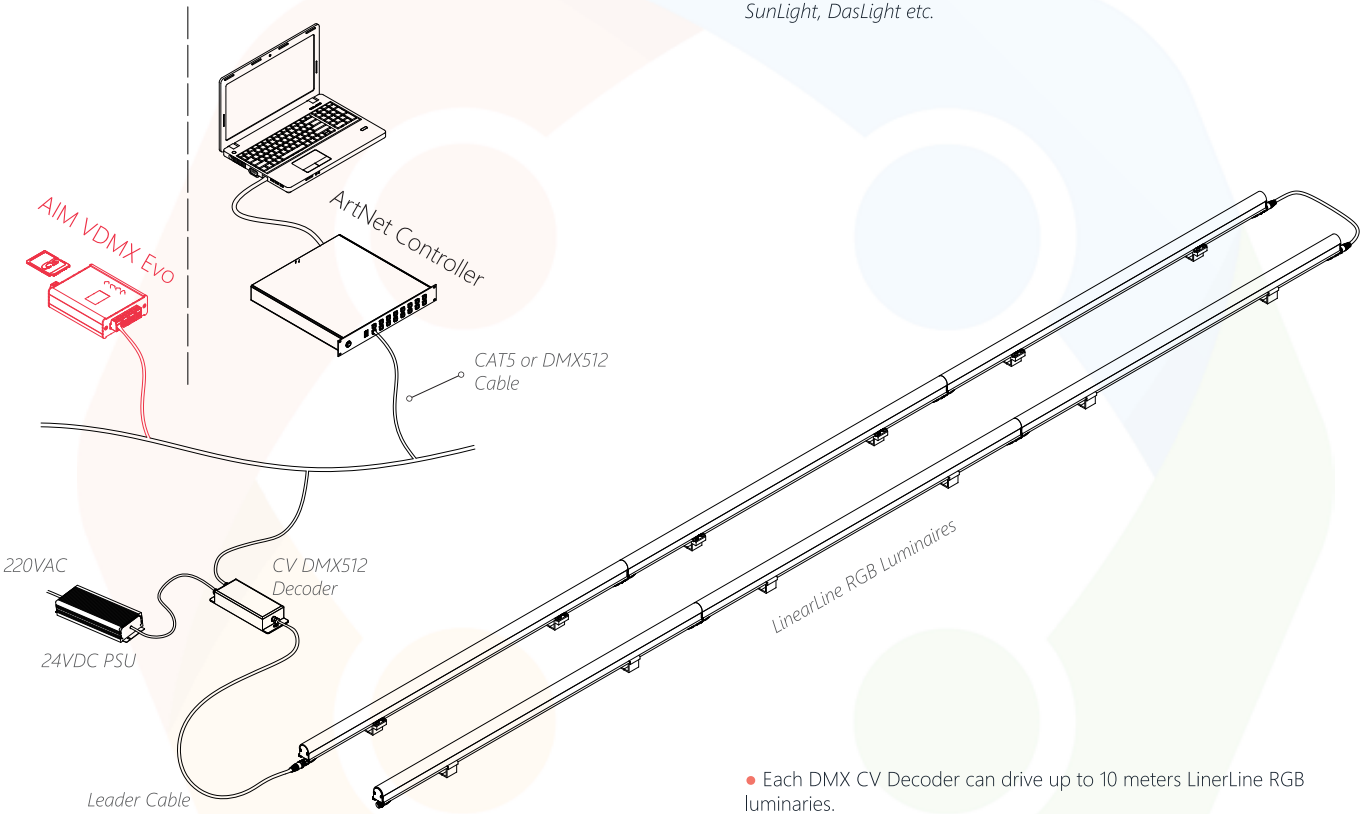
Brightness	260 cd/m
Lumens Per Meter	1575 lm
Viewing Angle	180°

Electrical

Power	15 W/m
Operating Voltage	24 VDC

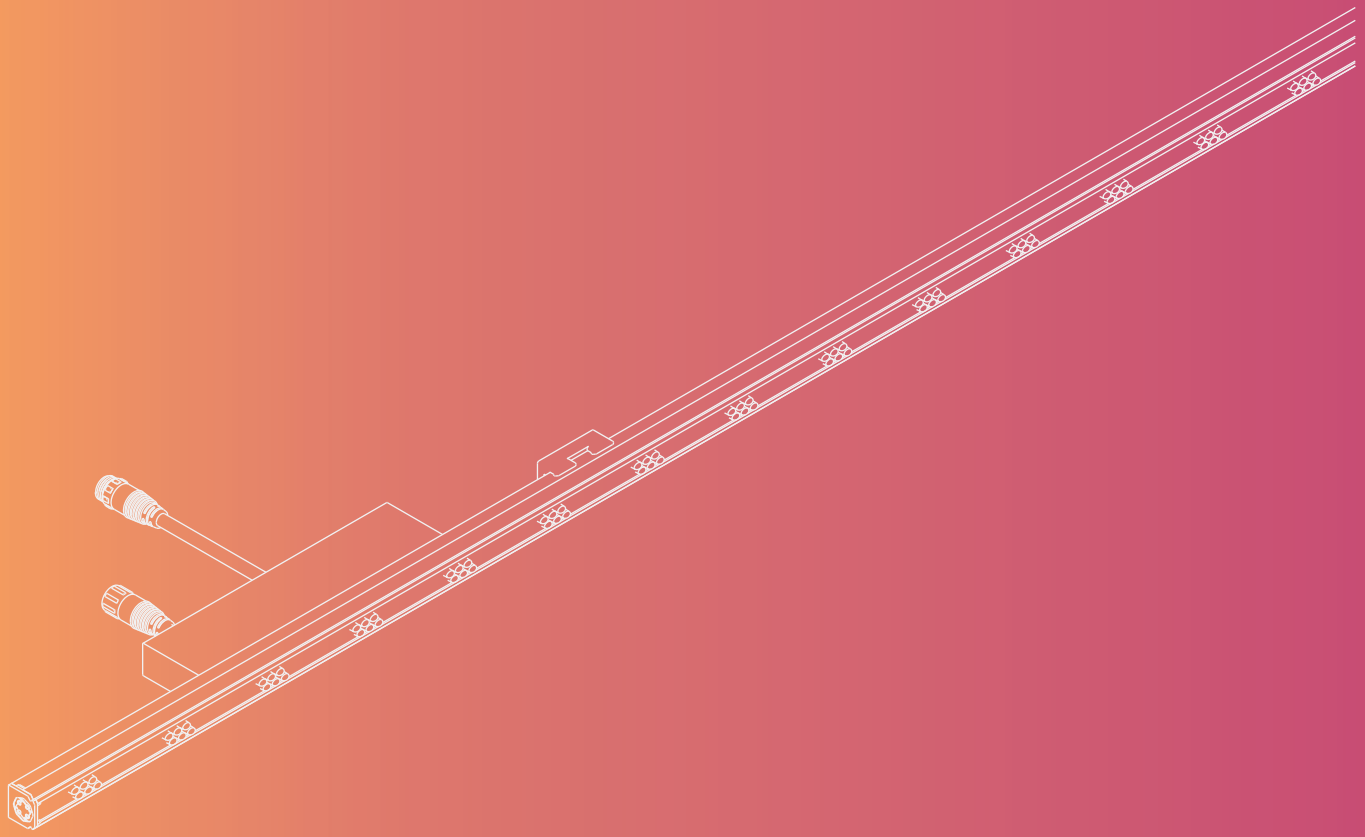
LinearLine RGB can be easily controlled with any DMX based constant voltage (CV) decoder that is driven by;

- *ArtNet based DMX Controllers such as MADRIX, ENTTEC etc.*
- *Stand Alone DMX Controllers such as AIM VDMX Evo, Chromateq, SunLight, DasLight etc.*



- Each DMX CV Decoder can drive up to 10 meters LinerLine RGB luminaries.
- All luminaires connected to the same DMX512 decoder change color at the same time.
- The Leader Cable that connects the output of DMX512 Decoder and the first luminaire must be shorter than 10 meters.

SmartMesh



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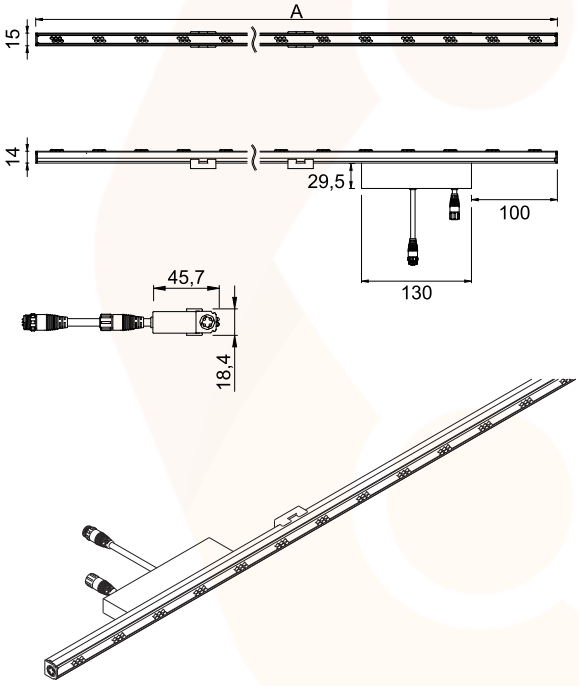


SmartMesh

SmartMesh is a LED luminaire family designed for building large scale, semitransparent LED video walls. With SmartMesh, any surfaces could be easily transformed into a full color large video screen on which graphics, animations, videos of all kind can be played allowing %70 transparency.

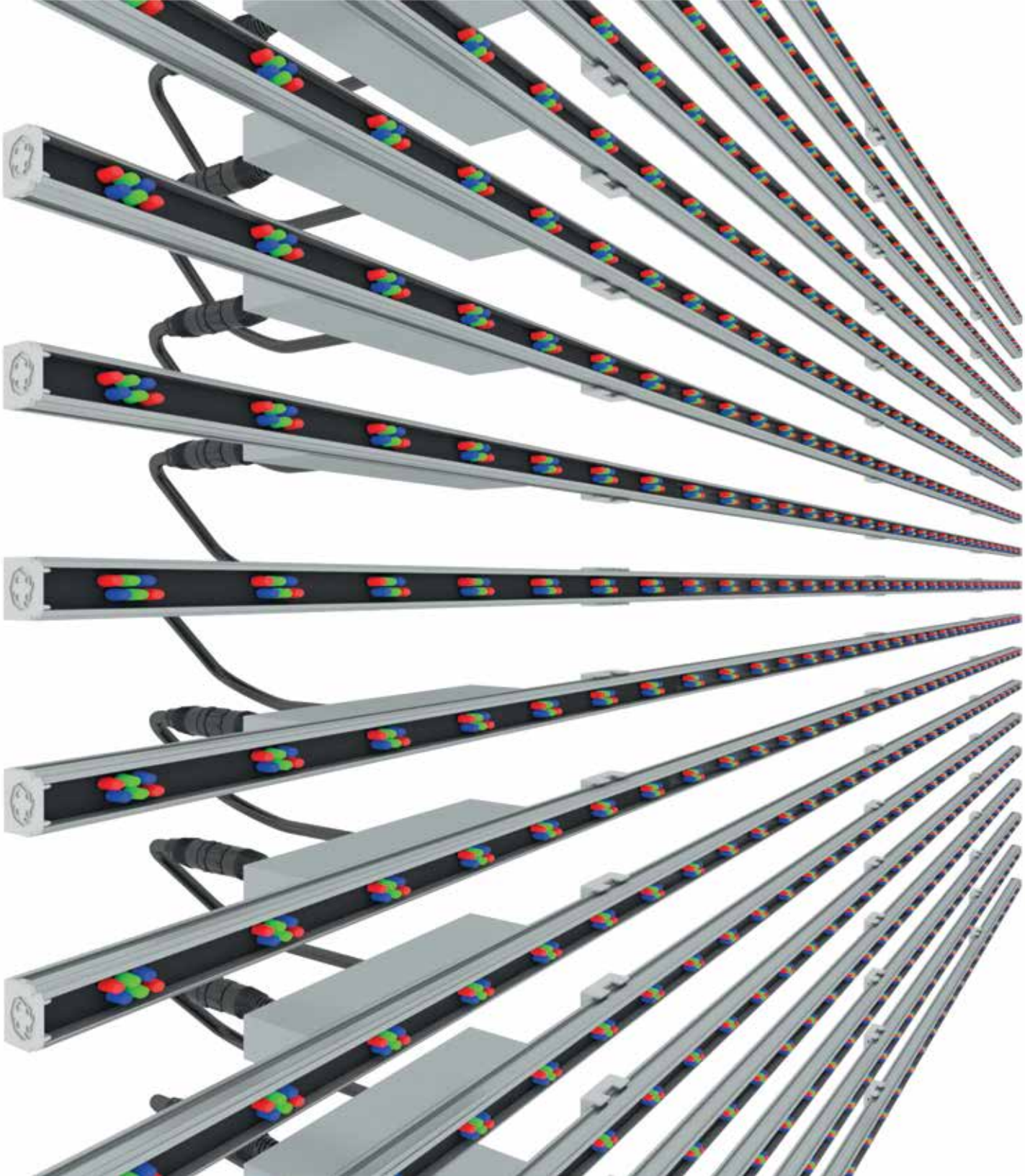
SmartMesh family consists of two versions; SmartMesh EL and SmartMesh SL. SmartMesh EL is designed to be visible both at night and under daylight whereas SmartMesh SL can be visible only at night.

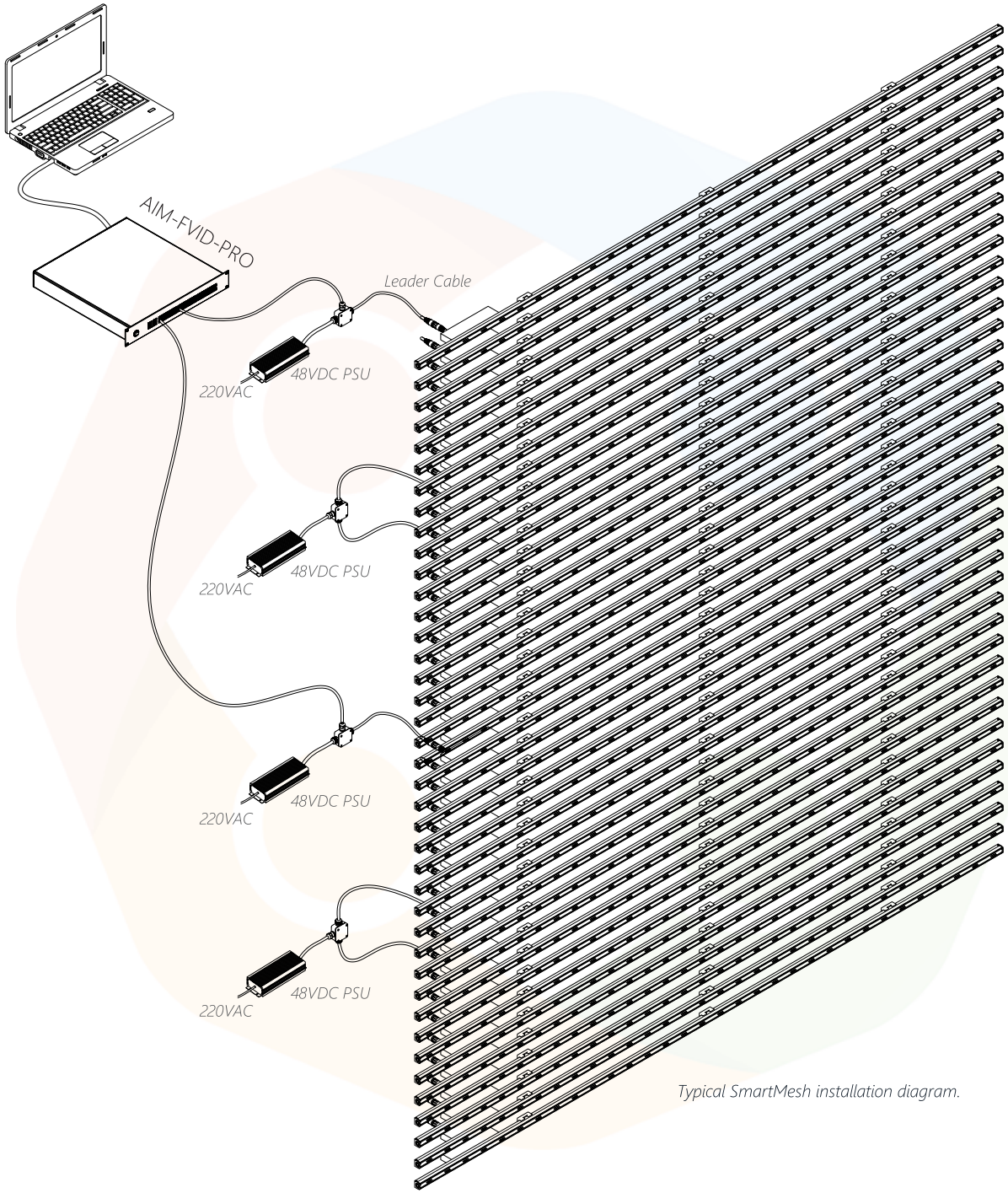
The SmartMesh system which is composed of linear slim LED profiles is designed for harsh outdoor environment usage. The LED profiles are aluminum extrusion and the electronics enclosed in the profiles are covered by a polyurethane based liquid so that the luminaire meets IP67 enclosure ratings. All The LED profiles are integrated by means of input and output IP67 connectors to build the whole SmartMesh system.

SmartMesh system has standard horizontal pixel pitch of 50mm that is defined by the pixel configuration in linear LED profiles. The vertical pixel pitch can be changed according to project requirements by mounting LED profiles more dense or rare in vertical direction. The resultant asynchronous pixel pitches can be easily handled on the LED controller units so that the resultant video scale is preserved.

SmartMesh system is controlled by AIM-FVID-PRO control engine or any 3rd party ArtNet based DMX controllers allowing the whole system to be a video display. Data coming from the main controller is converted to the specific protocol of the SmartMesh modules by the data/power injector modules that are located at the beginning of each SmartMesh Led profiles. These LED profiles are connected in daisy chain manner allowing data and power distribution. The auto addressing feature of SmartMesh and pixel mapping functionality of the controller software makes the installation/setup of the system easier.

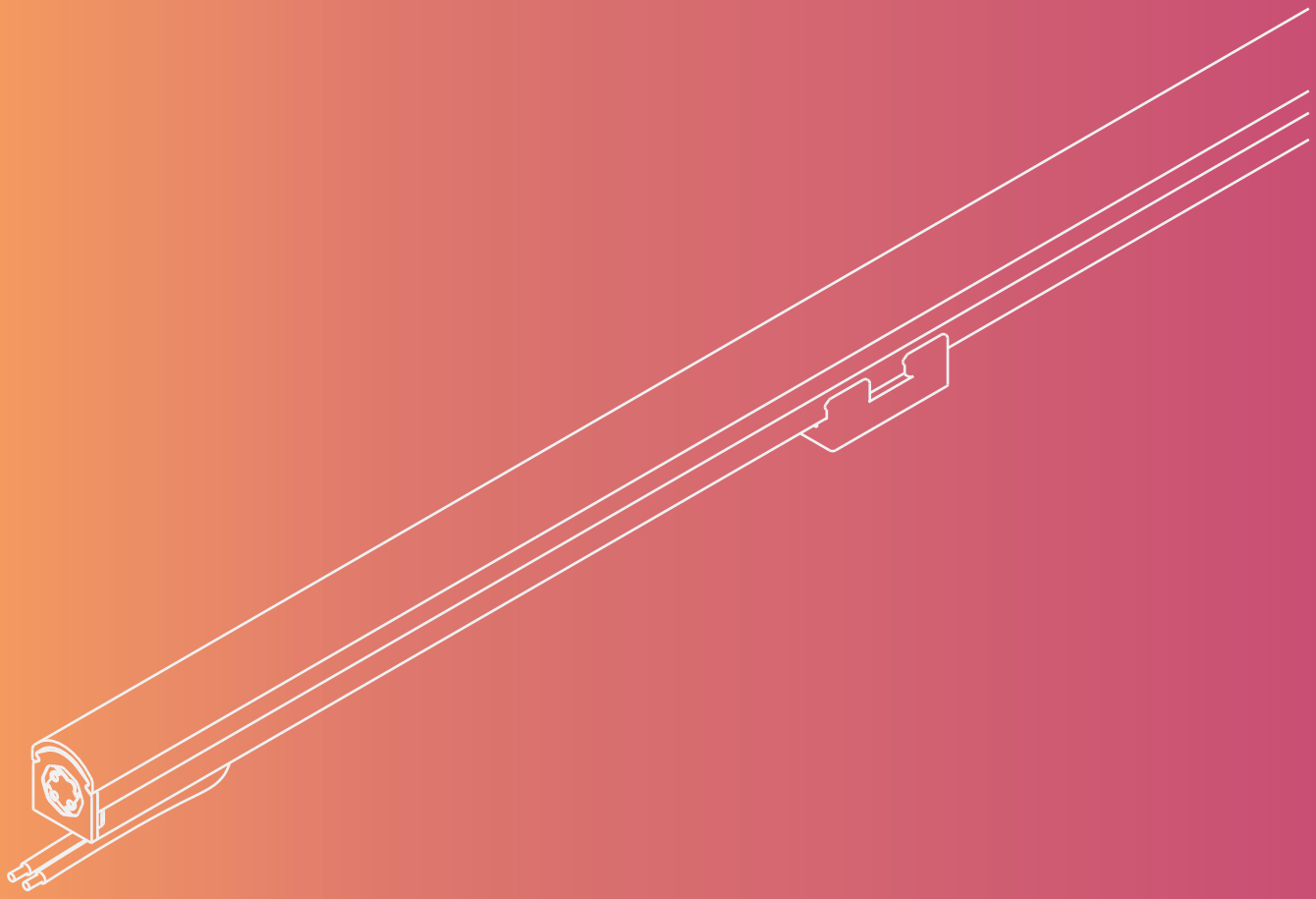
- 5cm pixel pitch and 160cm standard LED profile module length
- %70 transparency
- Aluminum extrusion body
- Custom body color (optional RAL codes)
- Sequential daisy chain connections with combined power/data connectors
- IP67 rated for outdoor use
- Can be controlled via AIM-FVID-PRO or any DMX based controller
- Easy setup, mapping and addressing with its auto addressing feature
- Both daylight and night visibility
- Brightness control feature without reducing of color depth
- 48VDC operating voltage
- 1600mm x 15mm x 14mm LED profile module size
- 5800 cd/m² (EL series) and 600 cd/m² (SL series) brightness levels
- 18W (EL series) and 8W (SL series) power per 160cm LED module





Typical SmartMesh installation diagram.

SlimLine



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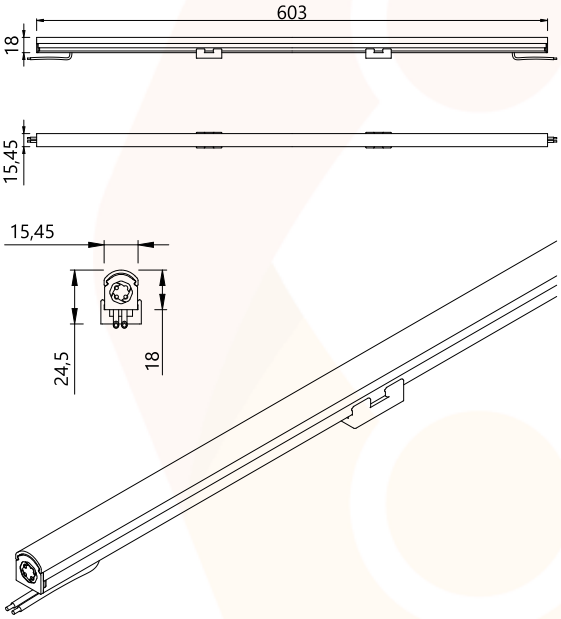


SlimLine

SlimLine is a mono color direct view linear LED luminaire that serves cost effective solutions for decorative lighting including cove and edge lighting applications.
The standard production length of luminaire starts from 12.5cm and goes up to 200cm with multiples of 6.25cm.
SlimLine has 180 degrees viewing angle. It is achieved by its UV resistant polycarbonate diffuser that also provides a homogenous light radiation.
The luminaire is designed for harsh outdoor environment usage. The main body of the luminaire is aluminum extrusion and the electronics inside the luminaire are covered by a polyurethane based liquid so that the luminaire meets IP67 enclosure ratings. With its special design, the luminaries can be connected in a daisy chain topology without any discontinuity in linear light diffusion.

- Modular design - from 12.5cm to 200cm length with increment of 6.25cm
- Aluminum extrusion body and UV resistant diffuser
- Custom body color (optional RAL codes)
- Clear diffuser option for wall grazing and cove lighting applications
- Sequential daisy chain connections
- Optional IP67 in-out connectors
- IP67 rated for outdoor use
- Dimmable by any dimmer including DMX512 constant voltage dimmers
- 96 mono color LEDs per meter
- 24VDC operating voltage
- 3000K, 4000K and 6500K color temperature options
- Red, green, blue and amber color options

General

Number of LEDs	96 SMD LEDs @ 100cm
LED Type	Mono Color SMD

Physical

Dimensions	(A*)mm x 18mm x 15.5mm
Body	Aluminum extrusion
Connection	Cable (optional IP67 in-out connector)
Operating Temperature	-25°C ~ +55°C
Enclosure Rating	IP67
Weight	270 gr (100cm luminaire)

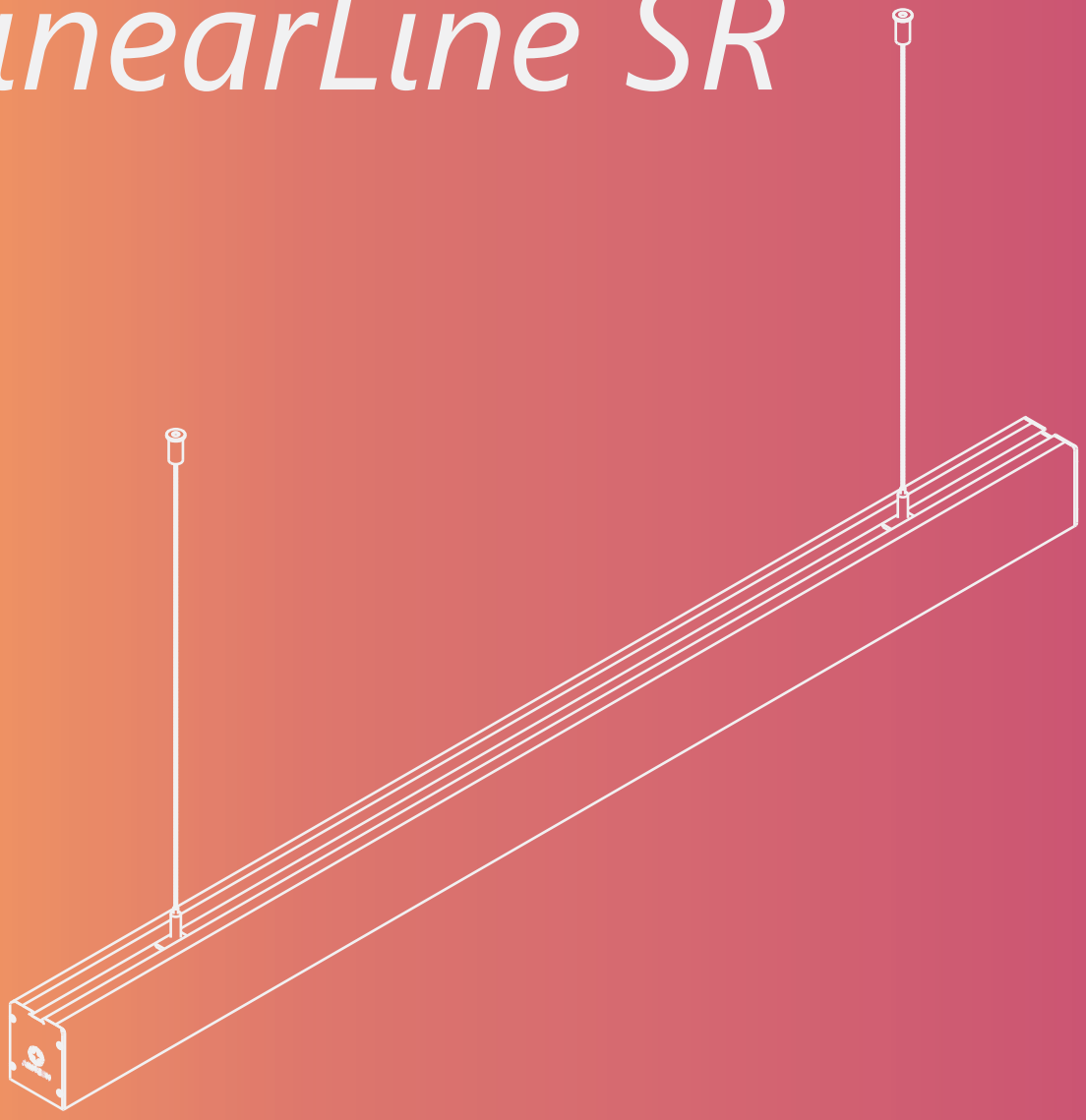
Optical

Brightness	175 cd/m
Lumens Per Meter	1050 lm
Viewing Angle	180°

Electrical

Power	10 W/m
Operating Voltage	24 VDC

LinearLine SR



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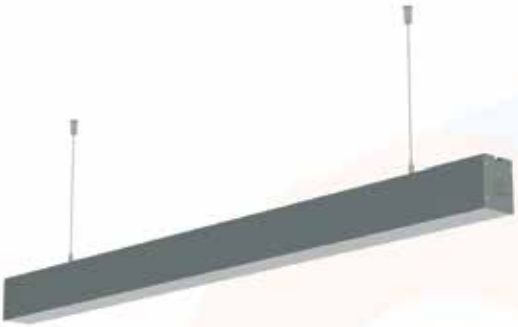
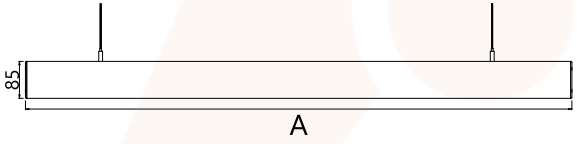
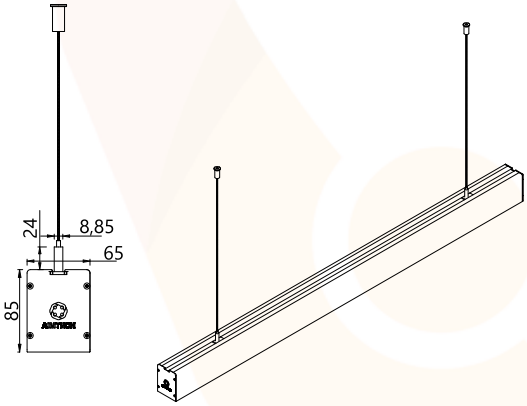






LinearLine SR

LinearLine SR is a linear LED luminaire designed for interior suspended lighting applications. With its special suspension kit, the luminaire becomes the best choice for many projects including office and shopping mall lighting projects.
The standard production length of LinearLine SR starts from 30cm and goes up to 300cm with multiples of 30cm. It has an aluminum extrusion body and UV resistant polycarbonate diffuser which provides a homogenous light radiation.
The luminaire has a highly energy efficient constant current LED driver inside its body. It has also a version with emergency lighting kit installed inside the luminaire.

- Modular design - 30cm and its multiples up to 300cm length
- Aluminum extrusion body for effective thermal management
- Custom body color (optional RAL codes)
- UV resistant diffuser for homogenous light radiation
- DALI controllable option
- Emergency lighting kit option
- 2700K, 3000K, 4000K, 5500K, 6500K color temperature options
- Red, green, blue and amber color options
- Standalone and continuous lights
- Recessed and surface mounted versions also available

General

Number of LEDs	18/36 SMD LEDs @ 30cm
LED Type	Mono Color SMD

Physical

Dimensions	(A*)mm x 65mm x 85mm
Body	Aluminum extrusion
Operating Temperature	-25°C ~ +55°C
Enclosure Rating	IP20
Weight	1300 gr (100cm luminaire)

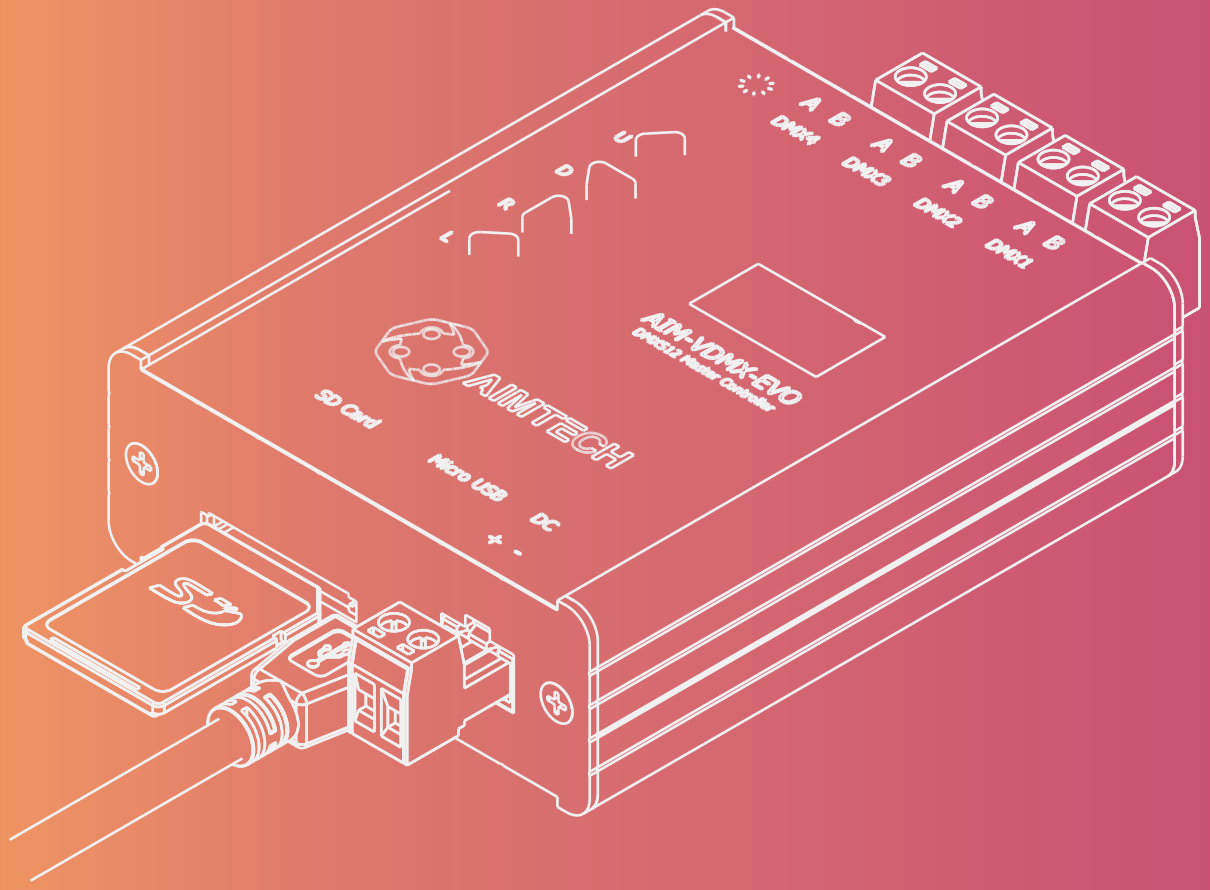
Optical

Brightness	440/880 cd/m
Lumens Per Meter	2650/5300 lm/m

Electrical

Power	6.3W/12.6W @ 30cm
Operating Voltage	220 VAC

AIM VDMX EVO



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AIM VDMX EVO

AIM VDMX Evo is a 4 channel standalone DMX lighting controller. It either plays the recorded animations on its internal memory or plays the videos/animations in SD card. It also has address testing modes that enables the user to light only selected DMX address without any PC connection/software.

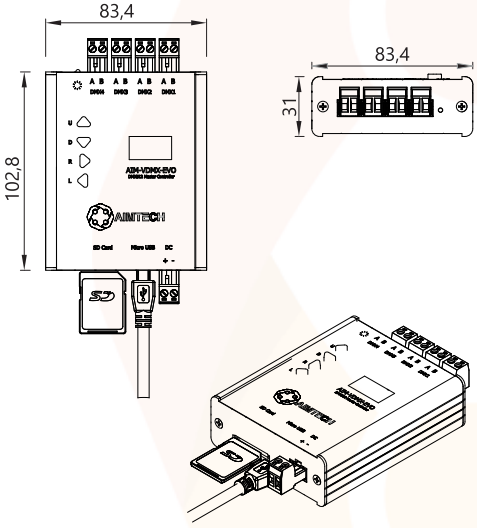
All output ports of the AIM VDMX Evo are independently galvanic isolated. This feature allows the user to connect the luminaries to the controller without any external DMX isolater units.

AIM VDMX Evo has 4 user control buttons, an OLED display and a status LED on it. User can select device operating modes and easily do DMX address testing from these display-button interface.

The software for creating video data files are based on pixel mapping method. User makes the mapping according to localization of pre-addressed luminaires for each port. The selected video is processed by the software and the resultant DMX values for each channel are recorded to the SD card inserted to the device. Totally 20 videos are allowed to be saved to the SD card with length of more than an hour.

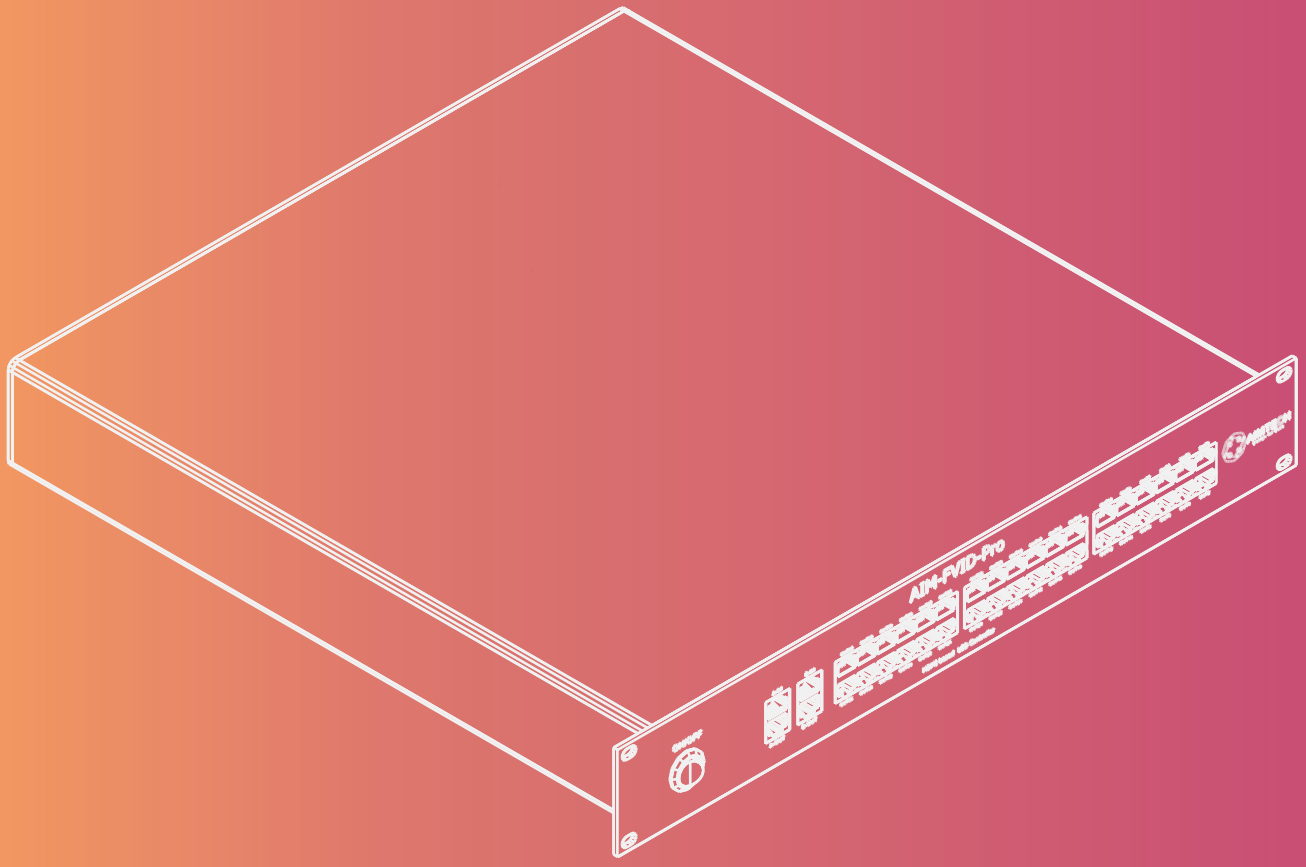
AIM VDMX Evo can play the videos/animations recorded to SD card with frame rate of 30 fps. This results in very fluent and smooth color changing effects on luminaires.

AIM VDMX Evo can also be configured to send data in different protocols other than DMX. The supported protocols so far are the data protocols for LED drivers WS2811, WS2818, TLC5973, UCS1903. The supported LED driver types could be increased according to customer demands.



- 4 independent output ports
- Fully independent galvanic isolated outputs
- Easy operation with OLED screen and touch buttons.
- Supporting DMX512 and other protocols of commonly used single wire LED driver chips
- SD card storage for video/animation files
- PC software that has pixel mapping feature for creating video files from selected videos
- 12-24VDC operating voltage
- Terminal type output data ports

AIM FVID PRO



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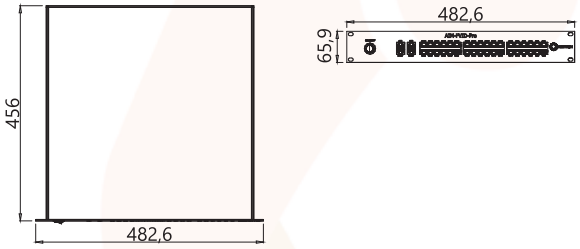
AIM FVID PRO

AIM FVID Pro is a LED Controller based on a high speed FPGA main processor. It is mainly used for driving the pixel controllable LED luminaires with the real time video coming from an HDMI source. The video source is connected to AIM FVID Pro's HDMI input port.

AIM FVID Pro doesn't need any external devices such as Ethernet routers, switches for video/image data source. It is directly driven by an HDMI source such as computer, camera, etc. This ability makes the whole system simple and easy to install with less external devices compared to traditional ArtNet based video control systems.

Single AIM FVID Pro can drive 36684 pixels. This means that many of the systems that contain pixel controllable luminaires can be controlled by a single AIM FVID Pro. More than one AIM FVID Pro devices can be configured to operate at the same time to drive a huge system in a coordinated manner.

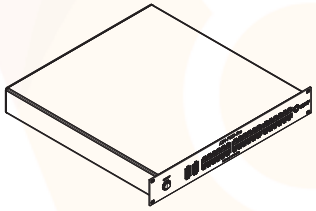


AIM FVID Pro can drive many LED driver ICs using single line SPI communication protocol. Besides, AIM FVID Pro can also be used to drive luminaires which works via DMX512 protocol. In that case, each output channel of the device can control one DMX universe.

AIM FVID Pro drives the LED luminaires using the real time image frames that are coming from its HDMI input at 30 frames per second. This device can also output the coming HDMI signal directly to its HDMI output port. So that, many AIM FVID Pro devices can be sourced by a single HDMI source. Each device buffers coming HDMI signal to the sequential devices via its HDMI output port.

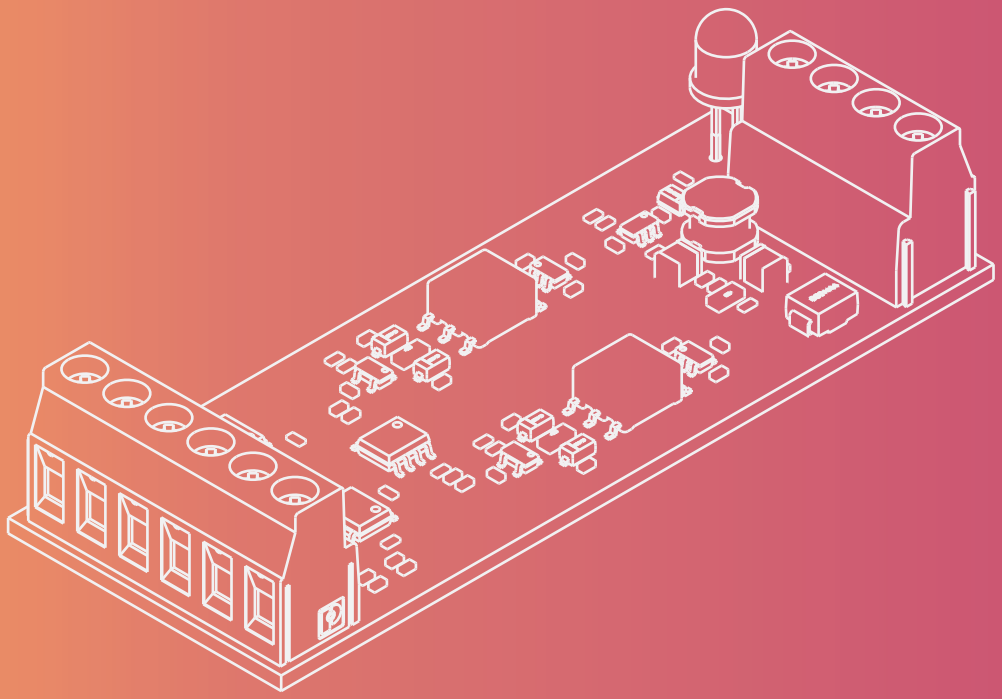
AIM FVID Pro communicates with the main control computer via bidirectional UART interface. AIM FVID Pro can be configured by L-GEAR software which is free of charge with the AIM FVID Pro controller.

AIM FVID Pro has pixel mapping ability that directly maps the pixels on main control computer (HDMI source) display to each pixel on the LED luminaires. This pixel mapping is achieved by L-Gear software. With this ability, LED luminaires that are connected in any way (symmetric, asymmetric, non-uniform, random) can be controlled easily in desired manner.



- Takes the video/image data from HDMI input port
- Real-time video playing capability on LED luminaires at 30fps
- 36 isolated output ports/channels
- All output ports are electrically isolated
- Each channel can control 1024 pixels simultaneously
- 36864 pixels can be controlled by a single device
- Supports many single line SPI protocols
- Supports DMX512 protocol
- Many AIM-FVID-Pro can be operated in a coordinated manner from a single HDMI source for systems that has more than 36864 pixels
- Configured and controlled by L-Gear software running on system main computer
- Pixel mapping ability

AIM DMX ISO



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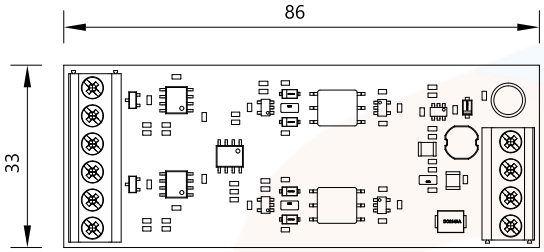
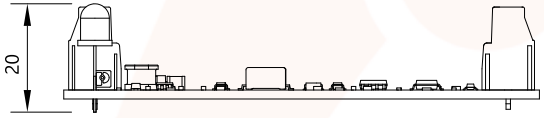
AIM DMX ISO



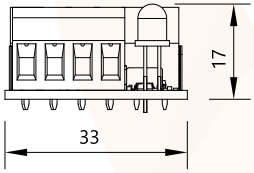
AIM DMX Iso is a DMX isolated splitter device. It is mainly used for splitting and reshaping the coming DMX signal while electrically isolating it.

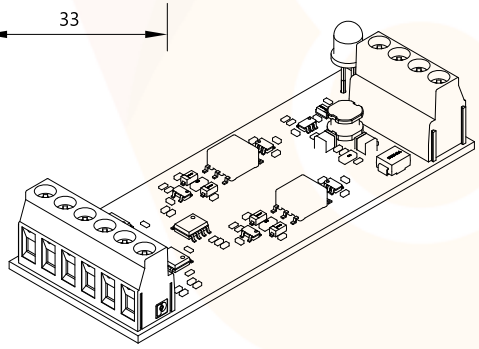
AIM DMX Iso is a proper solution for reshaping data after long data transmission lines that results in improper signal transmission. It is also used for avoiding DMX luminaires and controllers from burning out/breaking down because of unexpected high voltage surges and ground loops.

Unlikely the standard DMX isolated splitters, AIM DMX Iso can handle the data signals having data rates up to 10Mb/sec that enables it to be used in many data isolation purposes other than DMX applications.

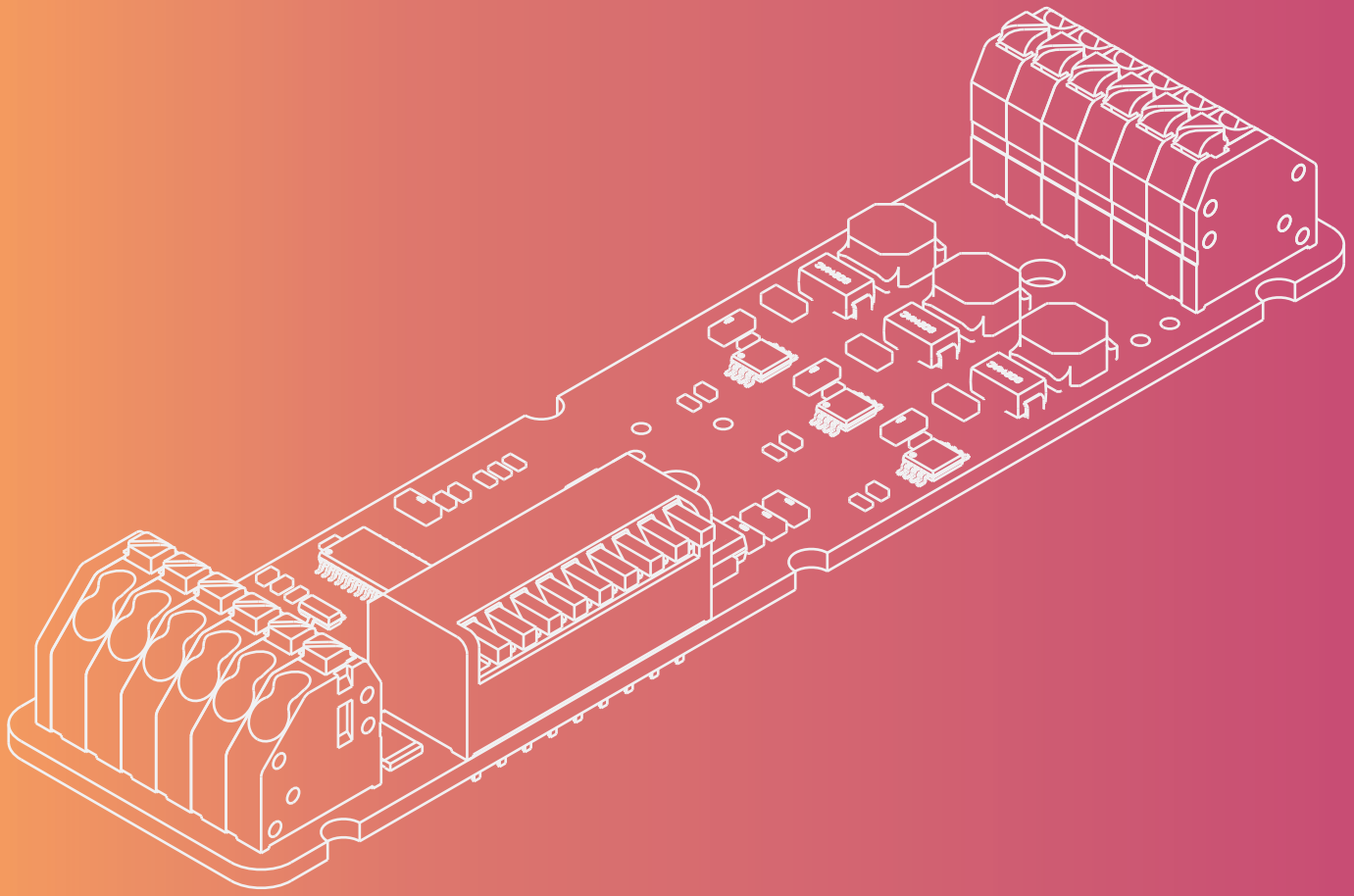


- 1 input channel and 2 / 4 / 8 output channel options
- 5-24 VDC input operating voltage
- Input is electrically isolated from outputs
- Each output has its own isolated data driver and individual isolated power circuitry
- 2500V insulation voltage
- Dimensions; 86mm x 33mm x 20mm
- Operating temperature range; -30°C ~ +65°C
- Screw terminal for both DMX signal input output ports





AIM DMX CC



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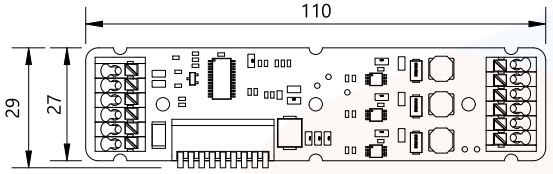
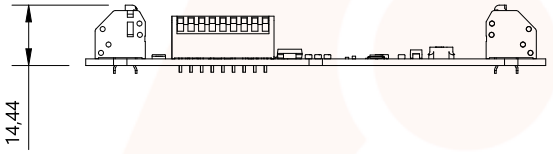
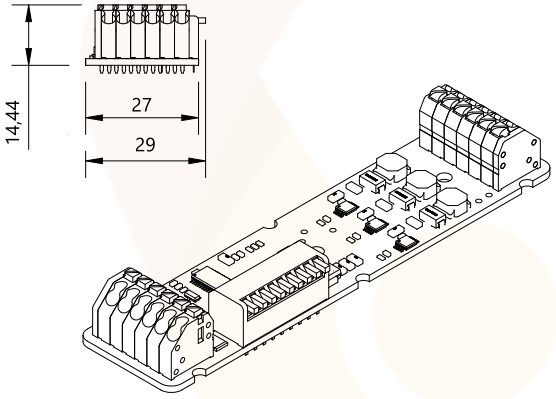
AIM DMX CC







AIM DMX CC is constant current DMX decoder device family. The device decodes the coming DMX512 signal and adjusts the brightness level of the constant current driven LED modules connected to the output ports of the device accordingly.

The starting DMX address of the device is set by the DIP switch located on the front face of the device. The address value on the switch becomes the address of the first channel. The other channels are addressed automatically by incrementing the address value by one for the following channels.

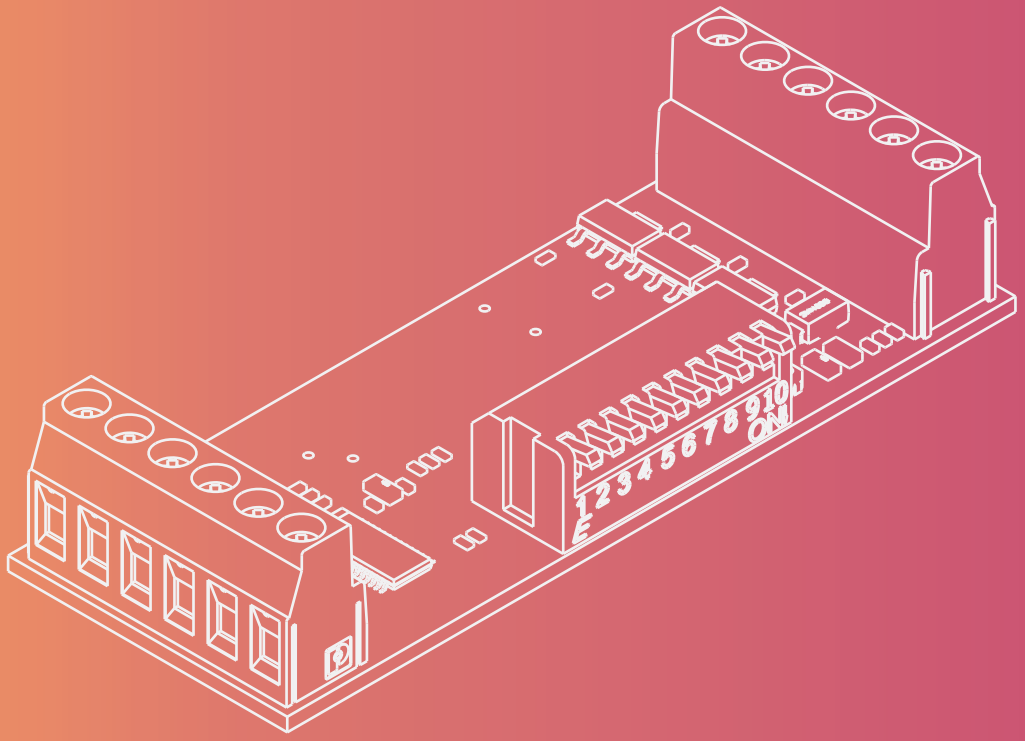
The device has operating voltage between 7 and 48 VDC. This wide voltage limits allow connecting LED modules having many serially connected LEDs. 350mA / 500mA / 750mA maximum current load options enables driving the LEDs with selectable current values for different applications.

AIM DMX CC device family has 1/2/3/4 output channel versions. These options enable the decoder family work with single color, bi-color, RGB and RGBW LED luminaires.

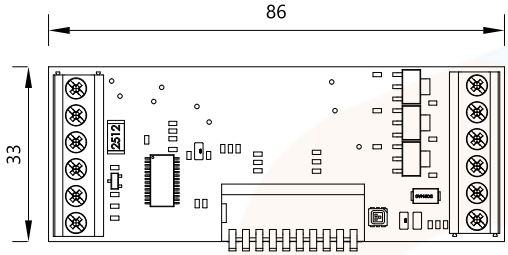
AIM DMX CC has slim type mechanical design. With this unique design, the device can be easily used inside many luminaires easily. This feature removes the necessity for an external housing for DMX decoder units in controllable LED luminaires.

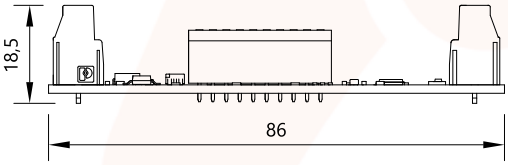
- DMX512 input data signal (USSIT DMX512-A)
- 1CH /2CH /3CH /4CH selectable output channels
- 7-48 VDC input operating voltage
- 5-45 VDC output voltage for each channel
- 350mA / 500mA / 750mA optional maximum current values for each channel
- %0 ~ 100% dimming range
- Dimensions; 110mm x 29mm x 15mm
- Operating temperature range; -30°C ~ +65°C
- Screw terminal for both DMX signal input and output channels

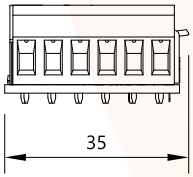
AIM DMX CV

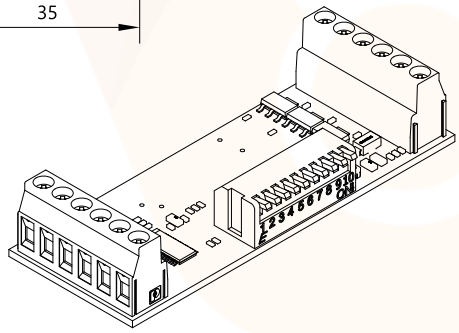


AIM DMX CV









AIM DMX CV is constant voltage DMX decoder device family. The device decodes the coming DMX512 signal and adjusts the brightness level of the constant voltage driven LED modules connected to the output ports of the device accordingly.

The starting DMX address of the device is set by the DIP switch located on the front face of the device. The address value on the switch becomes the address of the first channel. The other channels are addressed automatically by incrementing the address value by one for the following channels.

The device has operating voltage between 12 and 24VDC. This voltage limit allows connecting LED modules having different LED configurations.

AIM DMX CV device family has 1/2/3/4 output channel versions. These options enable the decoder family work with single color, bi-color, RGB and RGBW LED luminaires.

- DMX512 input data signal (USSIT DMX512-A)
- 1CH /2CH /3CH /4CH output channel options
- 12~24VDC input operating voltage
- 3A max current load per channel
- %0 ~ %100 dimming range
- Operating temperature range; -30°C ~ +65°C
- Dimensions; 33mm x 86mm x 19mm
- Screw terminal for both DMX signal input and output channels


EVLİYA ÇELEBİ KÜLTÜR MERKEZİ
Ptt


Sincan
Sincan Belediyesi


TED ŞANLIURFA KOLEJİ