ARCSYSTEM PRO

Perfectly dimmable LED lighting for auditoriums, retail and commercial installations

ETC

BEAUTIFUL, DYNAMIC LIGHT

Save on energy, invest in quality

Developed with performance venues in mind, ArcSystem provides the high-quality light expected in buildings dedicated to the arts. With excellent color-rendering and bright output, ArcSystem luminaires give you all the energy-saving benefits of LEDs without compromising on aesthetics.

No more squinting in the dark at the program notes – ArcSystem allows for individual control of each luminaire, ensuring that aisles, entryways and audience seating are all lit at the perfect levels.

Start your show off right with stepless dimming

With ArcSystem, perfect dimming is a priority. Many LEDs are designed to work with preset looks and light switches, but they fall short when it comes to a smooth fade to and from zero. ArcSystem luminaires and drivers have been engineered specifically for stepless, silent dimming. When the houselights fade out at the start of your performance, ArcSystem will ensure that your audience won't be distracted by flicker.

Fade to Warm

ArcSystem's Fade to Warm technology beautifully mimics the red-shift of an incandescent light source as it dims. The Fade to Warm option is available in ArcLamp, Pro One-Cell, Pro One-Cell Small, and all Pro Multi-Cell fixtures.

ArcSystem luminaires also come in a variety of color temperatures from 2700 K to 5000 K, so you can specify just the right look for your venue.

SIMPLE INSTALLATION

No need to re-wire…go wireless

The prospect of installing a new lighting system can be daunting, but ArcSystem makes things simple with the ArcMesh wireless control network. Each ArcSystem One-Cell or Multi-Cell luminaire acts as a configurable transceiver, able to communicate wirelessly with other units. Each unit is individually and remotely addressable, enabling quick and easy setup.

Choose your control method

The ArcMesh Transmitter converts traditional DMX input to the wireless ArcMesh signal, so ArcSystem can easily interface with your venue's control system. ArcSystem luminaires can also be controlled via wired DMX with RDM, or you can design your own hybrid system using both DMX and wireless technology. Whether you're doing a retrofit or a new installation, the transition to ArcSystem will be as smooth as your dimming.

Flexible input voltage for any installation

ArcSystem power supplies are available in either 100V-240V cord-connected or 100V-277V hard-wired options. The 100V-277V versions also allow luminaires and drivers to be hard-wired for permanent installation in convention centers and other commercial venues that use a higher-voltage current.

ArcSystem
Wireless Luminaires

ArcMesh
Transmitter

DMX512

DMX in

ArcSystem Wired
DMX Luminaires

RECESSED LIGHTING SOLUTIONS

Smooth dimming, sleek profile

With an excellent quality of light (CRI over 90) and multiple beam-angle options to choose from, the Pro One-Cell line offers perfect energy-efficient replacements for traditional incandescent fixtures. Pro One-Cell luminaires are available in several sizes and variants, with fixed and adjustable mounting options. All One-Cell luminaires operate in conjunction with a dedicated driver, which can be easily installed through the ceiling cutout.

Pro One-Cell

With a sturdy casing and a color-customizable ring, the One-Cell fixed and adjustable provide an elegant light that blends effortlessly into any ceiling.

Pro One-Cell High Output

The High Output version of the Pro One-Cell packs a powerful 8700 field lumens in yoke or recessed form factors.

Pro One-Cell Small

The power of the standard One-Cell luminaire in a compact, elegant form factor.

Pro One-Cell Micro

With a size comparable to an MR16 lamp in an adjustable bezel, this luminaire is ideal for use in short throw applications using a smaller ceiling aperture.

Recessed Ceiling Bracket

This adjustable bracket spans between ceiling joists or attaches to suspended ceiling grids, allowing Pro One-Cell recessed fixtures to mount securely and easily in a number of applications. Once the bracket is in place, drivers and luminaries can be installed from below without disturbing the finished ceiling.

SURFACE-MOUNT SOLUTIONS

A perfect fit for any space

Pro One-Cell Yoke

With the same high-quality optics as its recessed counterparts, this Pro One-Cell variant has a highly-adjustable yoke that can be mounted or clamped in hard-to-light places. All Pro One-Cell luminaire variants are available in yoke-mount configurations.

Pro Two-Cell

This small, narrow luminaire is ideal for short throws and small spaces. The individually-addressable onboard driver makes system setup easy. The Pro Two-Cell comes in multiple beam angle and color temperature options.

Pro Four-Cell Square

This compact luminaire packs a punch in medium- to long-throw installations where hanging space is limited. The Pro Four-Cell has an onboard driver and comes in multiple beam angle and color temperature options.

Pro Four-Cell Linear

This Pro Four-Cell luminaire delivers high-quality, medium- to long-throw optics in a form factor that fits easily between architectural beams and acoustic panels.

Pro Eight-Cell

The largest of the Pro Multi-Cell luminaires, the Pro Eight-Cell tucks into high ceiling bays for long-throw, wide-angle illumination. The Pro Eight-Cell has an onboard driver and comes in multiple beam angle and color temperature options.

PENDANT SOLUTIONS
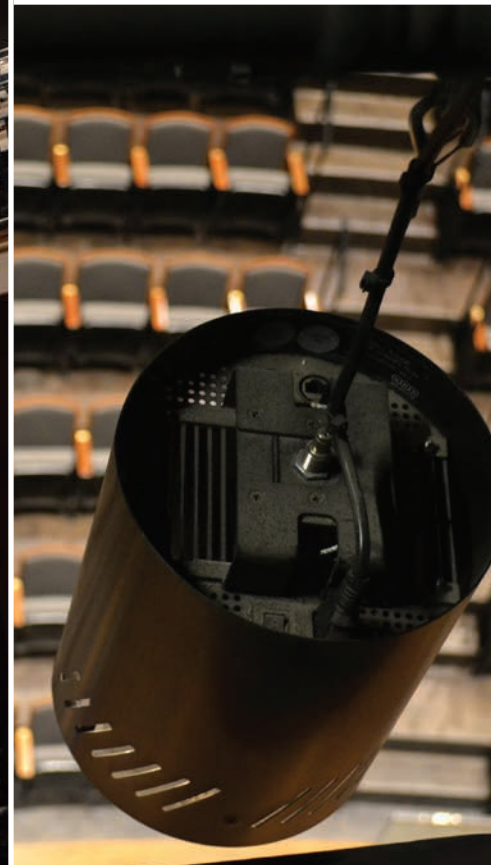
Get the hang of elegant lighting

The ArcSystem Pro Four-Cell Round and Pendant are high-output, smooth dimming luminaires for medium- to long-throw illumination. The Pendant option includes a stem kit with canopy, while the Pro Four-Cell Round includes a half-inch captive nut or M10 mounting plate for multiple hanging options.

Both luminaire options are available in black, white, and custom color finishes, with a clean, round form that fits seamlessly in any venue. They are completely convection cooled for silent operation in noise sensitive environments. The high-grade recessed LED emitters allow the luminaires to be installed with minimal glare.

The Pendant offers stem lengths ranging from 6 to 96 inches (.15 to 2.4 m), with custom lengths available.

Four-Cell Round

Four-Cell Pendant

96"/2.4m   72"/1.8m   48"/1.2m   36"/.9m   24"/.6m   12"/.3m   6"/.15m

Four-Cell Pendant

ARCLAMP

An LED lamp with high standards

With ArcLamp, even your historic chandelier is LED-compatible. Simply replace the incandescent lamps with ArcLamps and use the existing wiring to connect to the ArcLamp Driver, which can be located in the ceiling or in a dimmer room.

ArcLamp's long operational life eliminates the need for expensive maintenance calls to replace hard-to-reach lamps in chandeliers, ceiling lights and sconces. With warm, beautiful light, stepless dimming from 100% to absolute zero and 90% energy savings over equivalent incandescents, ArcLamp will provide you with elegant lighting for years to come. With the Fade to Warm option, your audience will have no idea that they are sitting under an LED source.

ArcLamp is available in E12, E14, E26, E27, B15, and B22 base sizes with candle and globe shape options in clear and frosted finishes.

Flicker

ArcLamp is available in a specialized Flicker lamp, which creates a warm candle effect in your space. Using the 2700 K Fade to Warm technology, the Flicker version randomly flickers to imitate candlelight. It can be used at a constant brightness by simply changing the DMX value on its single control channel.

ArcLamp Driver

The DMX-controlled, dedicated ArcLamp Driver includes onboard device management with up to four individually addressable outputs per driver. ArcLamp Drivers come in wall-mounted 150, 350, and 700 sizes, supporting 25, 60, or 120 individual ArcLamps. The 350 and 700 versions are also available as rack-mounted solutions.

ArcLamp in existing fixture

Existing wiring in wall

ArcLamp Driver

DMX in

120V in
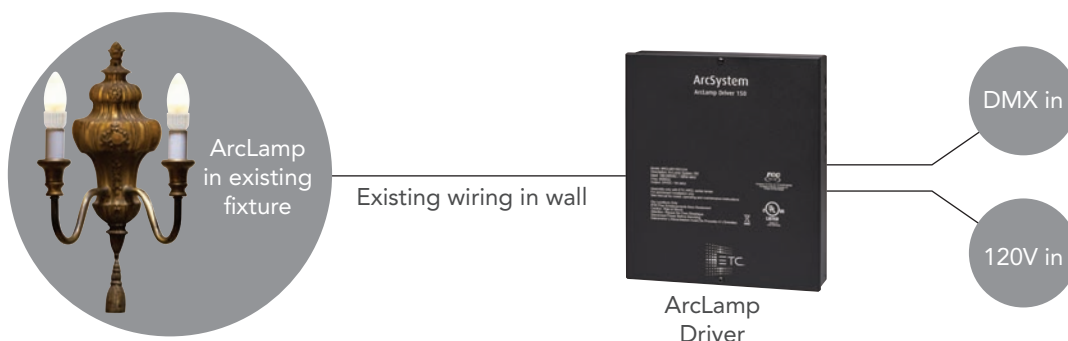
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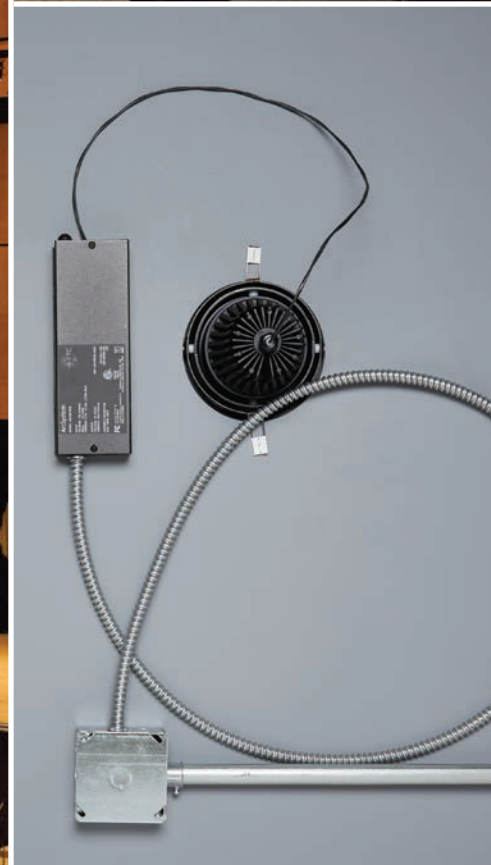
ArcMesh Transmitter

ArcSystem luminaires can be addressed and controlled wirelessly using the ArcMesh network, allowing for easy setup without the hassle of control wiring or costly renovation.

The ArcMesh Transmitter converts DMX signals into wireless ArcMesh control signals. Each ArcSystem driver rebroadcasts these signals, keeping your network intact over long distances. Each transmitter supports up to 100 ArcSystem luminaires.

Coordinating your ArcSystem control with other systems in your building couldn't be easier. Simply connect your existing control console or Unison Paradigm architectural system to the ArcMesh Transmitter's DMX input to complete a fully-integrated house light system.

ArcSystem Pro Drivers

The high-performance ArcSystem Pro Drivers provide power and dimming control for Pro One-Cell luminaires and more. All ArcSystem Pro Drivers are available in a wired-only, DMX-with-RDM option or an ArcMesh wireless version for hassle-free installation. Each of these compact drivers is designed to fit through the opening for its designated luminaire, allowing it to be installed from below once a ceiling is finished.

D1 Driver
The ArcMesh D1 Driver is designed to operate with Pro One-Cell and Pro One-Cell Small luminaires, providing a single, addressable output for direct connection to the remote fixture.

D1 HO Driver
A High Output version of the D1 driver provides increased output support for use with the Pro One-Cell High Output luminaire.

D2 Driver
Designed specifically for use with the Pro One-Cell Micro luminaire, the D2 driver provides two individually addressable connections and is sized to allow insertion and removal through the smaller ceiling aperture requirements of the Micro.

D4 CC Driver
A larger, wall-mountable driver, the D4 CC 150 provides four individually addressable outputs to power Pro One-Cell and One-Cell Small luminaires.

D4 CV Drivers
D4 CV drivers allow direct connection of 24 CV LED loads, such as LED tape or linear LED strip luminaires. Select from rack-mountable and wall-mountable CV 150, 350, and 700 versions.

D4 CV DRIVERS

Let ETC do the driving

The D4 CV Driver family offers simple connection to 24 VDC constant voltage LED loads, such as linear tape. Options include both wall-mount and rack-mount variants, four channels per driver, and the ability to combine outputs for maximum load capabilities of up to 528 W.

The D4 CV 150 is wall-mountable with four outputs of up to 50 W per output or 150 W with all outputs combined.

The D4 CV 350 is wall- or rack-mountable with 72 W on a single output or 264 W with all outputs combined.

The D4 CV 700 is wall- or rack-mountable with 146 W on a single output or 528 W with all outputs combined.

For a quick overview of ArcSystem Pro Driver compatibility, review the chart below.

	Pro One-Cell	Pro One-Cell Small	Pro One-Cell Micro	Pro One-Cell High Output	24 VDC CV LED Products
D1	x	x			
D1 HO				x	
D2			x		
D4 CC 150	x	x			
D4 CV 150					x
D4 CV 350					x
D4 CV 700					x

EMERGENCY LIGHTING

Easy setup and wireless control

Your audience shouldn't be left in the dark during a power outage. Fortunately, all ArcSystem luminaires are available in dual input emergency versions.

Emergency luminaires are equipped with an additional line voltage input, used to sense the presence of normal power. If normal power fails, the ArcSystem luminaire will override its control and switch on to full.

Normal Breaker Panel

Normal Branch Circuit
Used to sense normal power failure.
Connect to sense input
on luminaire.

Normal

Emergency

Upstream UL1008 A.T.S.

Normal/ Emergency Breaker Panel

Normal/Emergency Branch Circuit
Connect to maintained input
on luminaire.
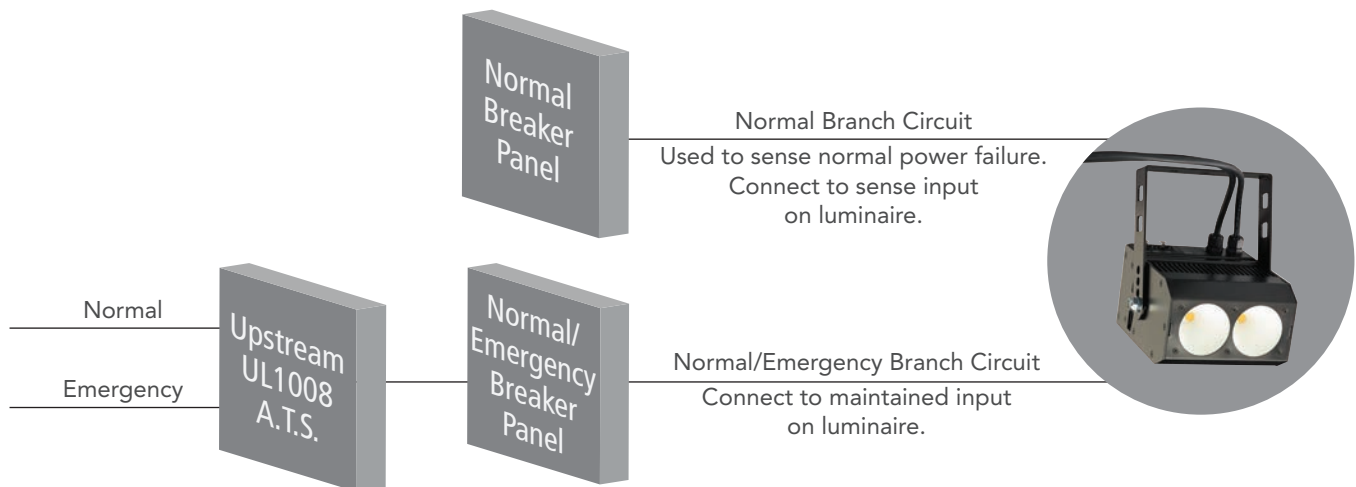
TECHNICAL SPECIFICATIONS

	Mounting Options	Sizes/ Beam Angles	Throw Distance	Color Options	CRI	Wattage at Full Load	Power Options	Control Options	Driver
ArcLamp	E12, E14, E26, E27, B15, and B22 lamp bases			2700 K 3000 K 2700 K FTW 3000 K FTW 2700 K Flicker/FTW	90+	4.4 W	100-277V hardwired 100-240V IEC Emergency	DMX + RDM DMX + ArcMesh	ArcLamp Driver
Pro One-Cell	Yoke or Recessed (adjustable or fixed)	18° 30° 50°	Short to Medium Throw	2700 K 3000 K 3500 K 4000 K 5000 K 2700 K FTW 3000 K FTW	90+	25 W	100-277V hardwired 100-240V IEC Emergency	DMX + RDM DMX + ArcMesh	D1 Driver D4 CC Driver
Pro One-Cell Small	Yoke or Recessed (adjustable)	19° 24° 37° 60°	Short to Medium Throw	2700 K 3000 K 3500 K 4000 K 5000 K 2700 K FTW 3000 K FTW	90+	25 W	100-277V hardwired 100-240V IEC Emergency	DMX + RDM DMX + ArcMesh	D1 Driver D4 CC Driver
Pro One-Cell Micro	Yoke or Recessed (adjustable)	19° 24° 37° 60°	Short to Medium Throw	2700 K 3000 K 3500 K 4000 K	90+	10 W	100-277V hardwired 100-240V IEC Emergency	DMX + RDM DMX + ArcMesh	D2 Driver
Pro One-Cell High Output	Yoke or Recessed (adjustable)	24° 37° 50°	Medium to Long Throw	2700 K 3000 K	90+	100 W	100-277V hardwired 100-240V IEC Emergency	DMX + RDM DMX + ArcMesh	D1 HO Driver

	Mounting Options	Sizes/ Beam Angles	Throw Distance	Color Options	CRI	Wattage at Full Load	Power Options	Control Options	Driver
Pro Two-Cell	Yoke	19° 24° 37° 60°	Short to Medium Throw	2700 K 3000 K 3500 K 4000 K 5000 K 2700 K FTW 3000 K FTW	90+	55 W	100-277V hardwired 100-240V IEC Emergency	DMX + RDM DMX + ArcMesh	Onboard
Pro Four-Cell Linear	Yoke	19° 24° 37° 60°	Medium to Long Throw	2700 K 3000 K 3500 K 4000 K 5000 K 2700 K FTW 3000 K FTW	90+	100 W	100-277V hardwired 100-240V IEC Emergency	DMX + RDM DMX + ArcMesh	Onboard
Pro Four-Cell Square	Yoke	19° 24° 37° 60°	Medium to Long Throw	2700 K 3000 K 3500 K 4000 K 5000 K 2700 K FTW 3000 K FTW	90+	100 W	100-277V hardwired 100-240V IEC Emergency	DMX + RDM DMX + ArcMesh	Onboard
Pro Four-Cell Round	Half-inch Thread	19° 24° 37° 60°	Medium to Long Throw	2700 K 3000 K 3500 K 4000 K 5000 K 2700 K FTW 3000 K FTW	90+	100 W	100-277V hardwired 100-240V IEC Emergency	DMX + RDM DMX + ArcMesh	Onboard
Pro Four-Cell Pendant	Canopy Installation	19° 24° 37° 60°	Medium to Long Throw	2700 K 3000 K 3500 K 4000 K 5000 K 2700 K FTW 3000 K FTW	90+	100 W	100-277V hardwired 100-240V IEC Emergency	DMX + RDM DMX + ArcMesh	Onboard
Pro Eight-Cell	Yoke	19° 24° 37° 60°	Long/Wide Throw	2700 K 3000 K 3500 K 4000 K 5000 K 2700 K FTW 3000 K FTW	90+	200 W	100-277V hardwired 100-240V IEC Emergency	DMX + RDM DMX + ArcMesh	Onboard