FULHAM®

Harness the Horsepower

2024 Featured Products for Distribution

FULHAM®

The Fulham Distribution Mantra: "Do More With Less!"

Fulham established itself 30 years ago with product programs specifically designed to be used in multitudes of ways in the field – making them perfectly suited for the Distribution Channel. WorkHorse ballasts, Fulham's best known early examples (that are still relevant today), can be installed for use with many, many lamp types in a variety of configurations.

Jump ahead to present day, and Fulham has continued to carry its core philosophy forward for versatility, convenience, SKU-reduction/ordering ease, storage space reduction, cost savings and quick installation to the majority of its product offerings suited for the Distribution Channel.

Fulham's products, therefore, continue to be the "components of choice" to eliminate hassles in the field. As you flip through these pages of featured Distribution-centric products, you'll notice a common thread – Versatility to pare down the number of components needed to complete a job, or other attributes that allow for one item to be suited for more than one purpose. This is achieved via programmability, CCT selectability, switchable output current, and the like.

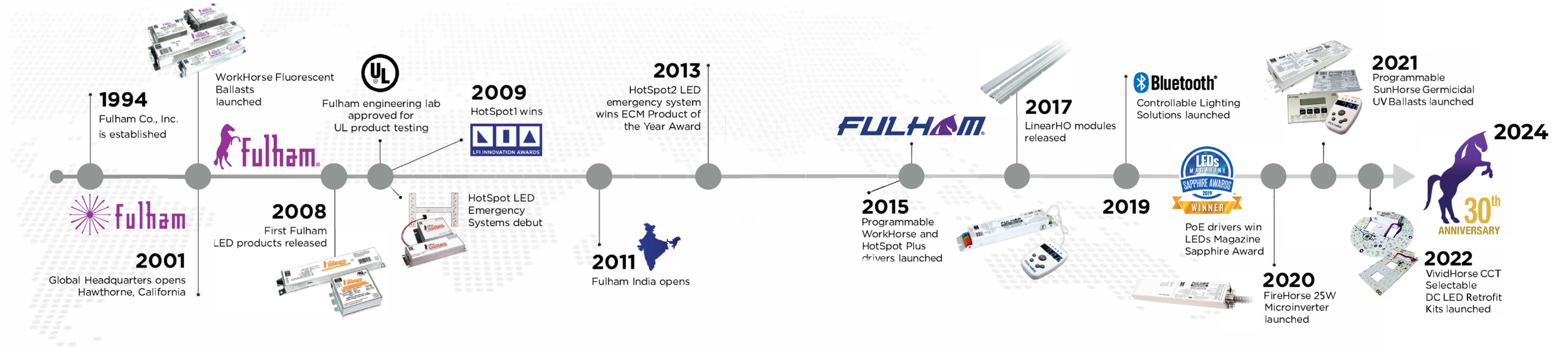Reach out to us with questions, and if you don't see it here, ask for it!

DO MORE WITH LESS
CHOOSE FULHAM

WHY CHOOSE FULHAM?

ESSENTIAL · ESSENTIAL

- **Known and Trusted Worldwide:**
  Successful Global Operation

- **Stable:**
  30 Year Legacy, Stand Behind Our Products

- **Reputation for Quality:**
  Minimal In-Field Service or Re-installations Required

- **Always Growing and Innovating:**
  We are the Engineers (Not Just Buyers and Resellers)

- **Relevant:**
  Strong foothold with new items in emerging markets; ongoing sales of legacy goods

- **Diversified in Technologies Served:**
  Powered Light, Emergency and Control all under one roof

- **Varied Solutions (General & Essential Specialty):**
  22+ Year Germicidal UV Program, Programs in Refrigeration, Horticulture and more

- **Resilient:**
  Diverse Customer Base

- **Differentiated:**
  Unique Sales and Marketing Approaches, broad product offering not reliant on one technology

- **Leading:**
  #1 Independent Innovator of globally-mandated Emergency Lighting Solutions

- **Insulated:**
  Redundant Sources of Supply (both India and Asia manufacturing)

Fulham's Rich 30-Year History

**1994** Fulham Co., Inc. is established

2001 Global Headquarters opens Hawthorne, California

WorkHorse Fluorescent Ballasts launched

2008 First Fulham LED products released

Fulham engineering lab approved for UL product testing

2009 HotSpot1 wins
LFI INNOVATION AWARDS

HotSpot LED Emergency Systems debut

2013 HotSpot2 LED emergency system wins ECM Product of the Year Award

2011 Fulham India opens

2015 Programmable WorkHorse and HotSpot Plus drivers launched

2017 LinearHO modules released

Bluetooth Controllable Lighting Solutions launched

2019 PoE drivers win LEDs Magazine Sapphire Award
LEDS MAGAZINE Sapphire Awards 2019 WINNER

2020 FireHorse 25W Microinverter launched

2021 Programmable SunHorse Germicidal UV Ballasts launched

2022 VividHorse CCT Selectable DC LED Retrofit Kits launched

2024 30th ANNIVERSARY

Latest LED Driver Families

THORLED FULHAM — THCC
- Indoor rated – IP20
- Programmable
- AUX output
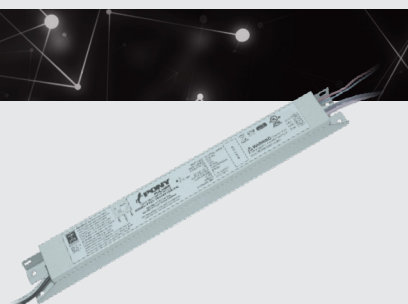- 0-10V Dimming – 100-1%, 0%(Off)

WORKHORSE FULHAM — WHCC
- Outdoor rated – IP66/67
- Programmable
- 0-10V Dimming – 100%-10%
- High Surge protection, type HL
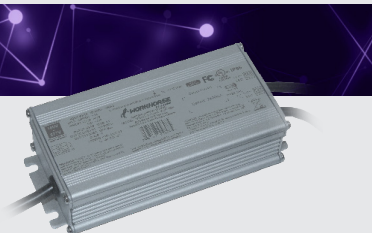
PONY FULHAM — PYCC
- Indoor rated – IP20, unpotted
- Cost effective solution: Current selectable
- Low profile
- 0-10V dimming: 100-10%

SUGAR CUBE FULHAM — SCCC
- Small form factor
- Dedicated current
- 0-10V dimming: 100%-10%

ICEHORSE FULHAM — IHCV
- Cold Location Constant Voltage
- IP64
- 24VDC Output
- Low Profile and Compact Size

EliteControl FULHAM — T2C1
- Bluetooth® /0-10V Dimming
- Indoor
- IP20, unpotted
- Programmable

THOROLED
FULHAM

Indoor Programmable Drivers

COMMERCIAL SPACE, ARCHITECTURAL, AND INDOOR
CONTROLS-READY APPLICATIONS

Programmable Output Current: Program the output of these drivers in your office or on your counter. Get the power to flexibly match the various drivers that come to you.

Wide Output Voltage Range: These drivers have a broad voltage output, making it easy to match many applications. Power any module from 12 to 55VDC with constant current output.

Cost effective: These drivers are priced at an extremely competitive rate, taking advantage of Fulham's global supply chain.

Many wattage options and form factors: (30W, 50W, 60W, 85W – stick, linear, compact)

0-10V **0-10V Dimmable with AUX output**

30W
THCC-1M1UNV105P-30E

50W
THCC-1M1UNV140P-50E

85W
THCC-1M1UNV240P-85E

30W
THCC-1M1UNV140P-30C

60W
THCC-1M1UNV180P-60C

Vapor Tights	Troffers	Linear	Down Lights

WORKHORSE
FULHAM

Outdoor Programmable Drivers

PERFECT FOR INDUSTRIAL, OUTDOOR,
HIGH BAY, AND WET APPLICATIONS

Robust and Durable: These compact cases are durable and fully potted.
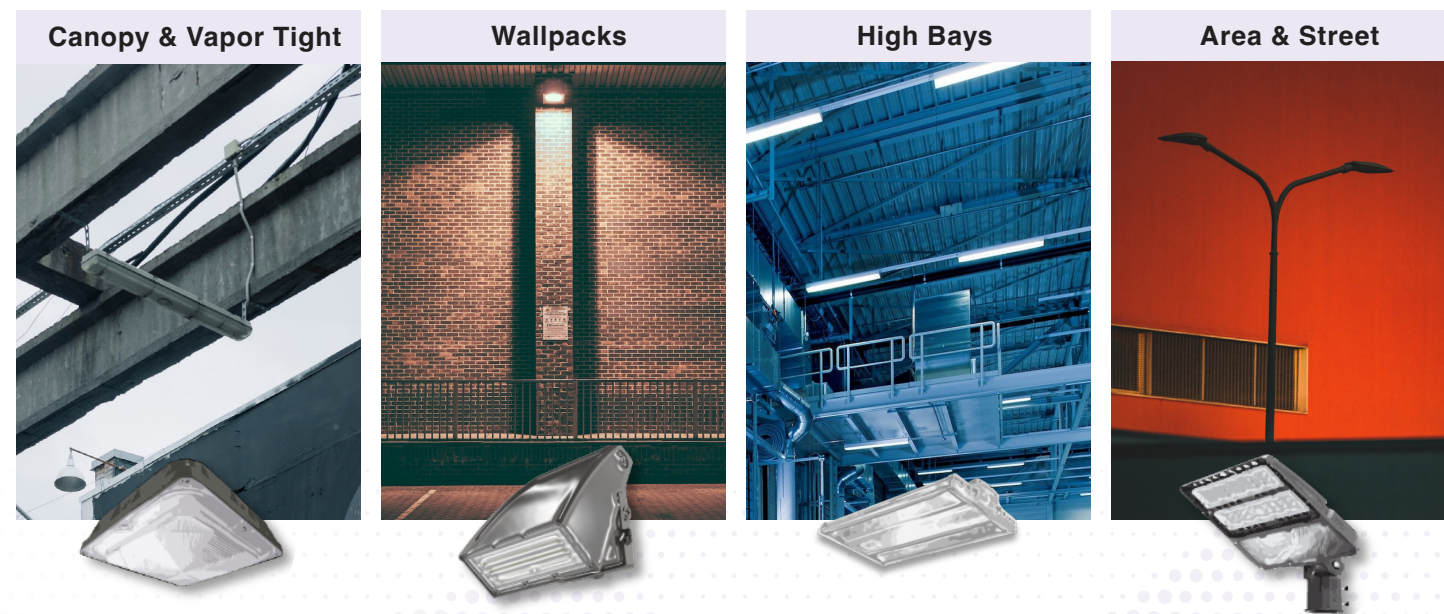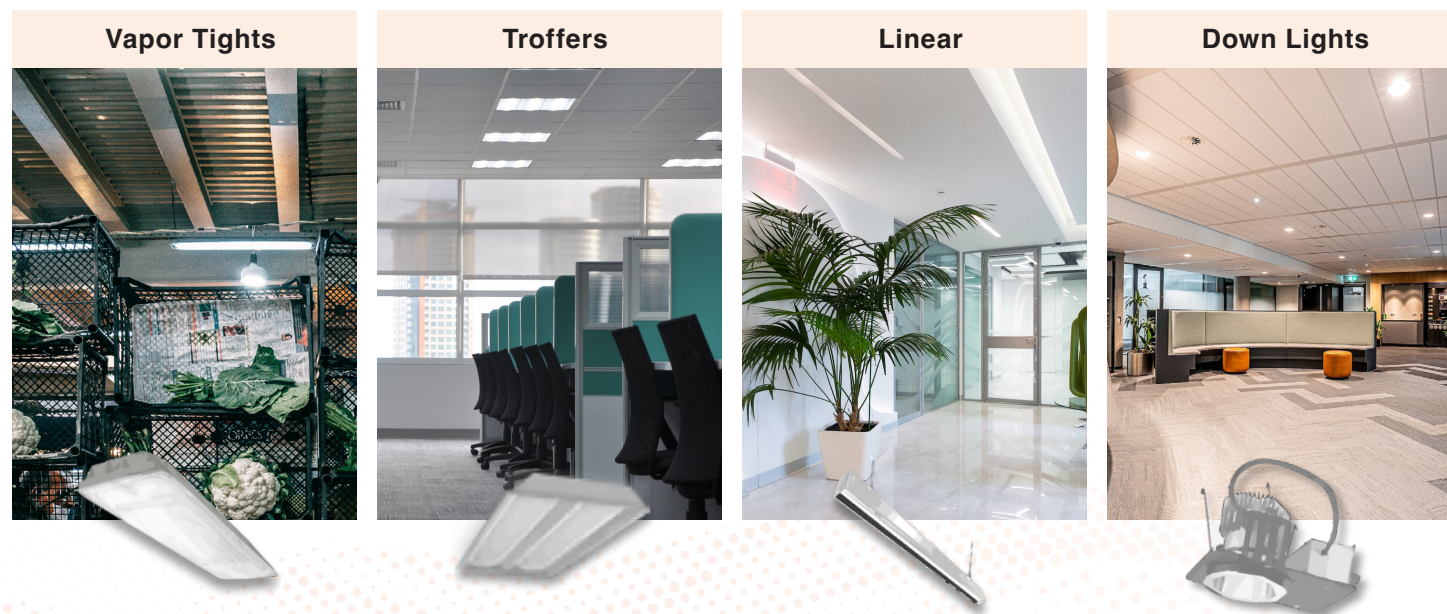
IP66 Rated for Wet Locations: Suitable for indoor and outdoor applications.

Programmable: Fully programmable output current, easy to match many drivers. Can be programmed at your location with the click of a button.

Wide Output Current Range and Voltage: It is easy to match drivers brought to you from the field with these drivers .

High Surge Protection: 10kV protection from power surges making it easy to replace an application that may have needed a surge protector.

0-10V **Dimmable and Flicker Free:** 0-10V Dimmable and ready for controls, flicker-free for the highest quality illumination.

75W
WHCC-1M1UNV210P-75L

100W
WHCC-1M1UNV260P-100L

Canopy & Vapor Tight	Wallpacks	High Bays	Area & Street

PONY FULHAM

Economical CC Drivers

These are hyper cost-effective drivers with a switchable output current via a DIP Switch. 0-10V dimmable and 120-277, great for cost effective projects.

SUGAR CUBE FULHAM

Small Form Factor CC Drivers

Fulham SugarCubes are small form factor drivers. They fit well in tiny applications and come in a few form factors with various features. Call your agent about SugarCube for small applications.

ICEHORSE FULHAM

Cold Temperature CV Drivers

High-efficiency drivers with a 12VDC or 24VDC constant voltage output. These drivers are the perfect solution for many refrigeration, signage and specialty/niche applications.

EliteControl FULHAM

Control System Drivers

Fulham has combined a sensor and radio with a 40W LED driver. The sensor controller plugs directly into the driver using RJ12 jack. This allows you to quickly click the driver and controls together as a wireless solution. Fast and easy control! Once installed, you commission it with an iPhone®!

EliteControl
FULHAM

Bluetooth® Control System

BLUETOOTH SWITCH

Single: ESRPB, Double: EDRPB

BLUETOOTH BRIDGE

CTBRCB02JM02

BLUETOOTH BRIDGE WIRING DIAGRAM
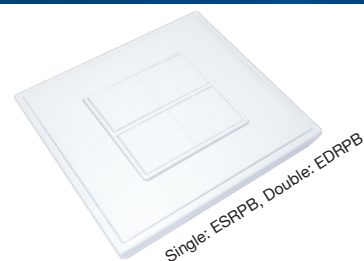
VAC
0-10V

Sensor Cable

Color Control

SENSOR

ELIOPJX00SR

40W Programmable LED Driver: Everything you need from the powerhouse behind Bluetooth technology.

Module Compatibility is Easy with 10-57VDC: Easy to apply to most Class 2 LED applications

Dimming for Any Application: Standard with 0-10V dimming down to 1%, and then off. All customizable.

Abundant Accessories: Whether it's a switch, occupancy sensor, or anything else, Fulham has you covered to create a solution for your scenario.

App: Fulham's Bluetooth software partner, Silvair, puts the ability to Harness the Horsepower with Fulham at your fingertips. Download the "Fulham" app today.

Complete Package: With Fulham's different Bluetooth accessories, the EliteControl line from Fulham is your one-stop shop for all things Bluetooth connectivity.

Harness the Horsepower with the Fulham App at your fingertips.

| Houses Of Worship | Atriums & Amphitheaters | Warehouses | Flexible Spaces |

VIZION
FULHAM
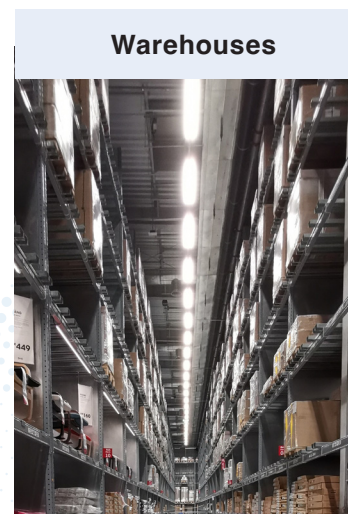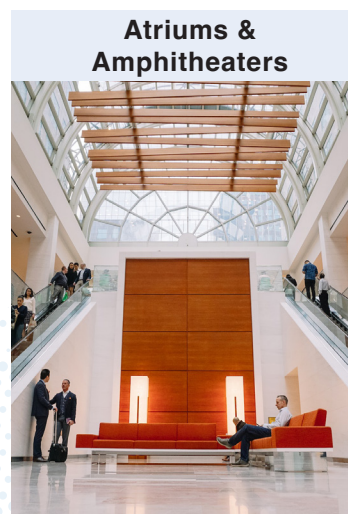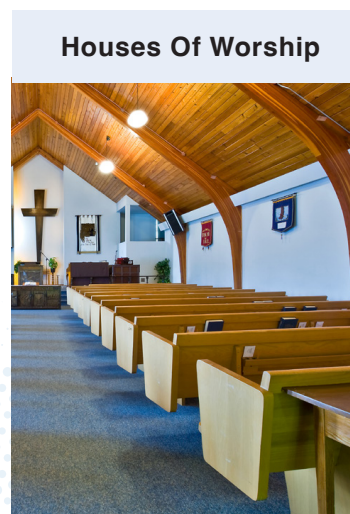
Linear High Output Retrofit

44" Module VR44-MU-xxx-8yy-xxxxA, 22" Module VR22-MU-xxx-8yy-xxxxA

The ONLY Solution for High Lumen Output Retrofitting: Sometimes a panel doesn't give enough light. Data centers, calling centers, task lighting, and manufacturing facilities with long runs of strip lighting and high ceilings are a perfect fit for this solution. Installation instructions are available for easy DIY use.

22" and 44" Standard Lengths fit between Lamp Holders: These are the most common lengths in the market. Suitable for 1x2, 2x2, 1x4, and 2x4 retrofitting.

Complete Package: These products come standard as a kit with a LED driver, screws, harnesses, end caps, lensing, the module and label.

Magnetic Mounting: Easy to mount to the metal housing of a fixture while placing screws.

Multiple Lumen Packages for Every Situation: Options range from 4000-16000lm packages covering even the highest ceilings.

| Vapor Tights | Strips & Wraps | High Bays | Lamped Fixtures |

DirectAC Retrofit Kits 120-277VAC

LINE VOLTAGE DIMMABLE, FIXED WATTAGE AND CCT, WITH HARDWARE AND LABEL

Round DirectAC Kits:

- **Four form factors** for easy coverage of your application
- **Excellent for ceiling fixtures**, or wall mount sconces
- **Very fast installation**, designed to work around common mounting points and threaded fittings
- **Useful in multifamily housing,** schools, hospitals, hotels, decorative fixture retrofits, and many can light applications

10W, 3.11"
TJTUNV010AC9xxB

23W, 6.97"
TJTUNV023AC9xxB

15W, 5.08"
TJTUNV015AC9xxB

34W, 9.55"
TJTUNV034AC9xxB

Rectangular DirectAC Kits:

- **Wall packs** with architectural designs can be difficult to upgrade without a solution like this LED kit – an easy way to keep an important "look"
- **Wall sconces** are a good target for this LED kit
- **Square fixtures** are quickly upgraded with this effective solution

15W, 7.4"x 4"
TJTUNV015AR9xxB

Linear DirectAC Kits:

- **Vanity fixtures** are easily upgraded to LED with these inexpensive and efficient kits
- **Hall and stairwell fixtures** are easy to upgrade and add emergency to with these kits and the FHSCP-UNV-6W-L-SD Battery Back-up System
- **Can be daisy chained** using the 22", 11" and 5.5" options to make any length within a 5.5" span

VJTUNV010LN9xxB05
10W, 5.5"

VJTUNV015LN9xxB11
15W, 11"

VJTUNV030LN9xxB22
30W, 22"
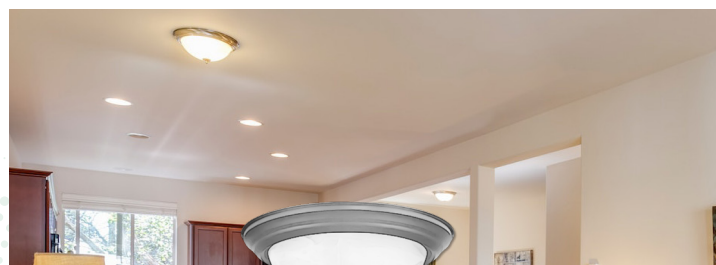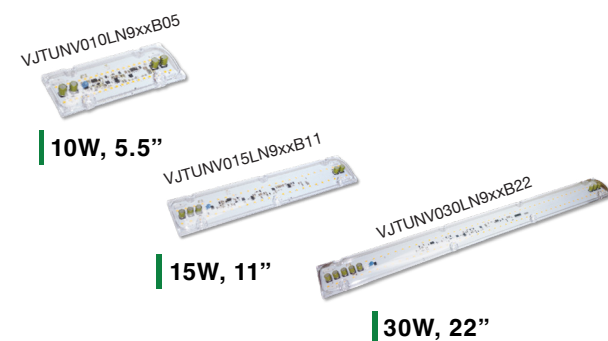
DirectDC Retrofit Kits:

0-10V DIM WITH DRIVER ON BOARD
120-277VAC, CCT SWITCHABLE, FIXED OUTPUT POWER KITS

Round DirectDC Kits:

- **Drivers on board** make these easy and elegant solutions extremely robust for long lasting product life.
- **One Standardized Size** to allow for a variety of lumen packages to fit the same overall footprint at 7.83" diameter.
- **CCT Switchable** to give the end user the flexibility to choose the desired color temperature with only one SKU to stock.
- **Common Applications include** light commercial, multifamily housing, schools, hospitals, hotels, decorative fixture retrofits, and can light applications, as well as surface mount and recessed luminaires.
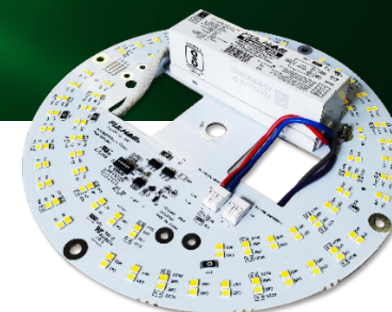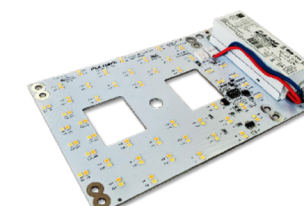
10W
VKMUNV008RD930A

14W
VKMUNV0012RD930A

21W
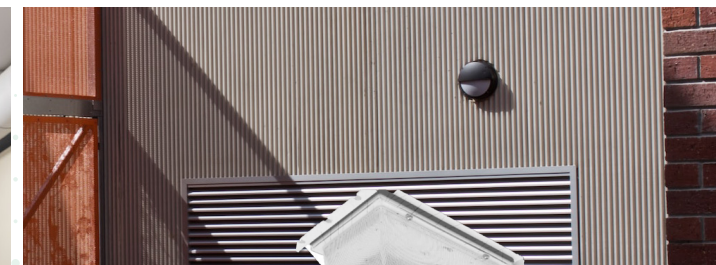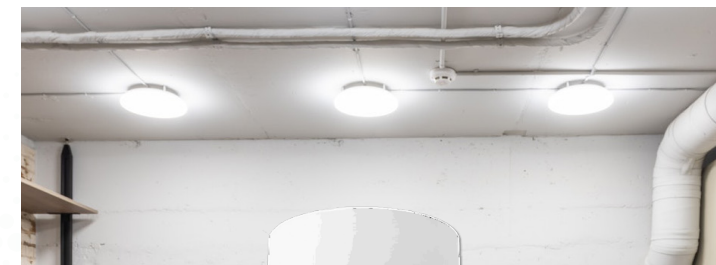VKMUNV018RD930A

29W
VKMUNV025RD930A

Rectangular DirectDC Kits:

- **Rectangular Form Factor** for wall packs, sconces and square fixtures.
- **Emergency-Ready Products** with a quick connect to plug in one of Fulham's emergency solutions.
- **Two Power Output Options** allowing either 1400lm or up to 2650lm at 124lm/W.

10W 7.4" x 4.7"
VKMUNV008RT930A

21W 7.4" x 4.7"
VKMUNV018RT930A

DirectAC Retrofit Kits:
120VAC AC ENGINE
CCT SELECTABLE & POWER SELECTABLE

Round DirectAC Kits:

- **Three form factors** for easy coverage of your applications
- **Color selectable and power selectable,** allowing for a simple one-stop solution to multiple fixture applications
- **Installer-friendly** designed to fit in and around common mounting points for most general applications.
- **Useful in many settings** from recessed to surface mount luminaires that necessitate a round form factor.

10W 3.11"
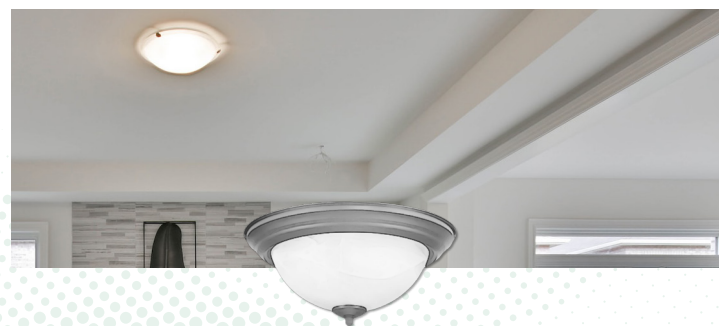VJT120010AC9TWB

15W or 20W 5.12"
VJT120020AC9TWB

25W or 30W 6.64"
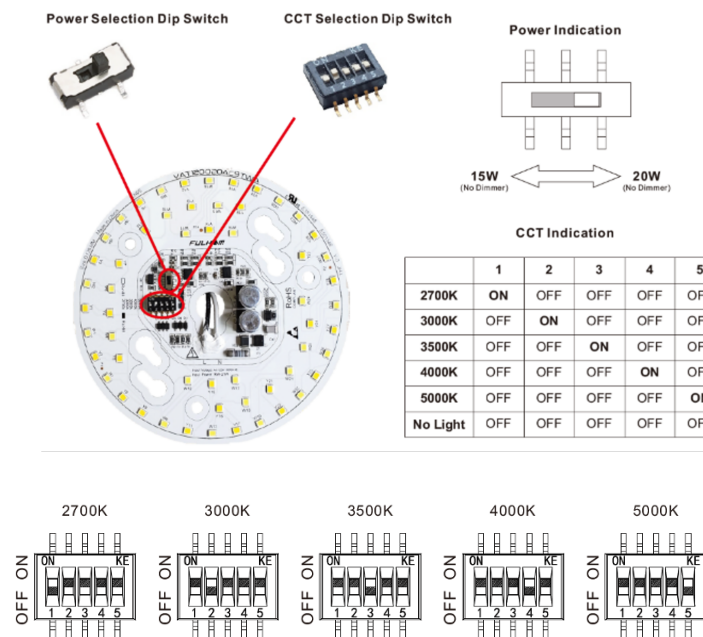VJT120030AC9TWB

Linear DirectAC Kits:

- **Impressive Lumen Output** at over 900 Lumens for just over 6" inches in length. This linear can meet most standard lighting design needs.
- **Small size** at just 6.2" long by 2.41 wide by 0.67 height. This AC linear can fit into most small form factor applications.
- **Great replacement** to fluorescent fixture solutions. With one LED linear module serving as an ideal solution for changing out triple or quad CFL lamps.

10W 6.2"
VJT120010LN9TWB-06

POWER & CCT SWITCHING

Power Selection Dip Switch   CCT Selection Dip Switch   Power Indication

15W (No Dimmer)   20W (No Dimmer)

CCT Indication

	1	2	3	4	5
2700K	ON	OFF	OFF	OFF	OFF
3000K	OFF	ON	OFF	OFF	OFF
3500K	OFF	OFF	ON	OFF	OFF
4000K	OFF	OFF	OFF	ON	OFF
5000K	OFF	OFF	OFF	OFF	ON
No Light	OFF	OFF	OFF	OFF	OFF

2700K   3000K   3500K   4000K   5000K

QUICK & EASY INSTALL EXAMPLE:
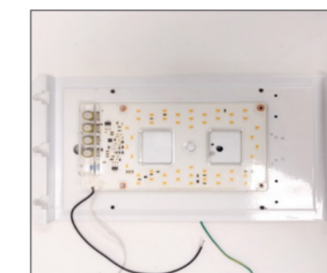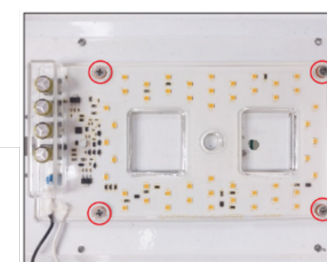
Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

Figure 6

This luminaire has been modified to operate LED lamps. Do not attempt to install or operate incandescent / fluorescent lamps in this luminaire.

These retrofits are an **easy** and **affordable** way to update a fixture to the latest technology in LED lighting. They come as a kit with a UL label, screws, and quick connect terminations.

Vanity & Stairwell Strips	Drums & Sconces	Decorative & Hospitality	Ceiling Fixtures

Retrofit Kits
PANELS & TROFFERS

2x2: VPR-22-MU-25-9TW-A

2x4:VPR-24-MU-36-9TW-A

2x4: VTR-24-MU-45-9TW-A

2x2 VTR-22-MU-30-9TW-A

CCT & Power Switchable - 3-wattages options for each panel and 3500K, 4000K, and 5000K switchable

Fulham Easy Emergency – Panels are prepared for emergency battery back-up with quick mount solution

Troffer version is Sensor Capable – PIR and daylight sensor capable

0-10V Dimmable, 120-277VAC Input, and Easy to Install – Ready for many applications and low cost

	VPR-22-MU-25-9TW-A			VPR-24-MU-36-9TW-A			VTR-22-MU-30-9TW-A			VTR-24-MU-45-9TW-A		
Shape	2x2 Panel			2x4 Panel			2x2 Troffer			2x4 Troffer		
Input Power	18W	22W	25W	23W	30W	36W	20W	25W	30W	34W	38W	45W
Lumen Output@ 4000K	2376	2838	3150	3036	3870	4536	2640	3225	3750	4488	4902	5670
Efficacy @4000K	132 Lm/W	129 lm/W	126 lm/W	132 lm/W	129 lm/W	126 lm/W	132 lm/W	129 lm/W	126 lm/W	132 lm/W	129 lm/W	126 lm/W
CCT & CRI	3500K, 4000K, 5000K 3-level selectable; CRI 90 Standard											
Dimensions	23.8"L x 23.8"W x 2.2"H			47.8"L x 23.8"W x 2.2"H			23.8"L x 23.8"W x 3.09"H			47.8"L x 23.8"W x 3.09"H		
Certificate	Component: cURus Retrofit Kit: cULus Classified DLC 5.1 Premium CEC Title 24 JA10 RoHS compliant											
Warranty	5 Years @ Max. Tc from the date of manufacture											

SENSOR OPTION & REMOTE

2x4: VTR-24-MU-45-9TW-A   **2x4: VTR-24-MU-45-9TW-A**
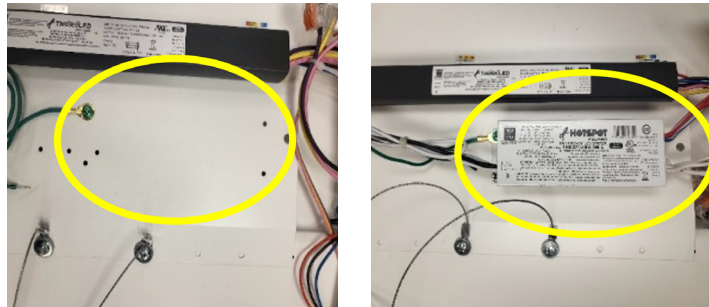
PIR Sensor

PIR Sensor Cable
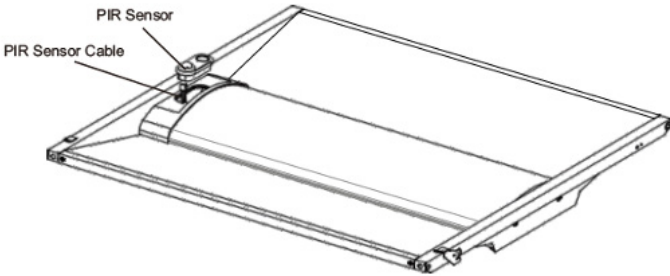
2x4: VTR-24-MU-45-9TW-A

EMERGENCY BATTERY PACK OPTION

FHSCP-UNV-4W-L

PRE-TAPPED EMERGENCY MOUNTING POINTS

INSTALLATION INSTRUCTIONS

Figure 1

Figure 2

Figure 3

Figure 2A

keyhole

Hinges

Figure 4A

Figure 4

Locking Latch

Figure 5

Safety cable

Figure 5A

Figure 5B

Figure 6
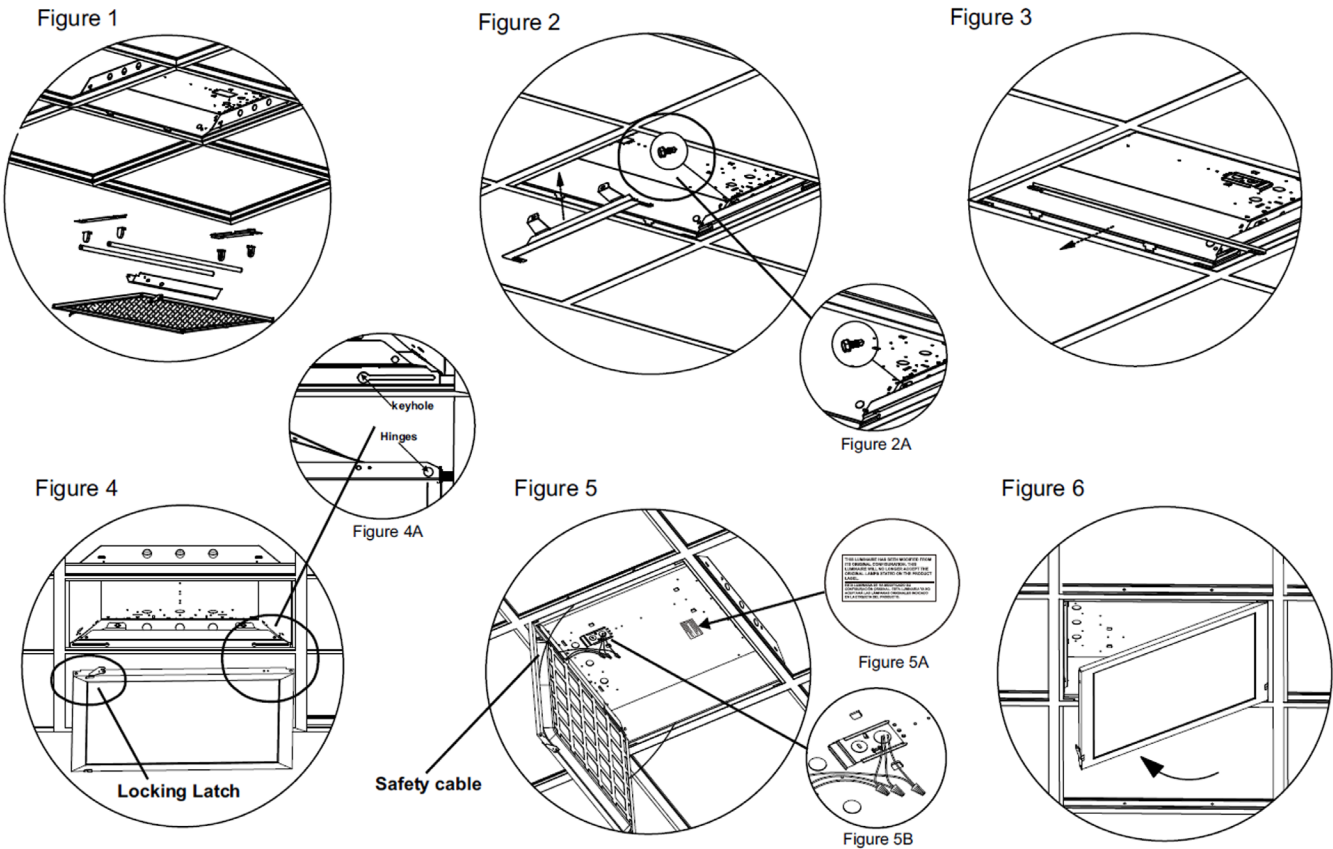
HotSpot1 Emergency Kits
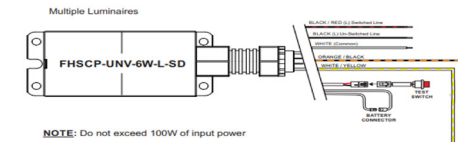
Stand-Alone Emergency Solution – In one box you get a battery, module, charger, screws, and quick connects with a UL label.

Zero Compatibility issues - HotSpot1 Kits work independently, receiving line voltage directly. No need to worry if your lamps, ballast or LED driver are compatible

Self-diagnostic - Tests and signals battery health every 30 days.

Lots of Options – Choices from 450 lumens to 1250 lumens. Run times from 90 minutes to 360 minutes.

"Get Out of Jail Free Card" For Emergency Lighting – the perfect solution to add emergency to many existing fixtures after installation, especially if you need it quickly to finish a job.

BEFORE

AFTER

Fluorescent Tubes
Fluorescent Ballast

LED Tubes
HotSpot Emergency Driver and Battery Pack are installed in the ballast chamber
Emergency LED module is mounted above LED tubes

FHSKITT04LNC

Emergency Driver + Battery + LED Module OR

Install Example	Sconces	Troffers	Decorative

LED Tube & Retrofit
BATTERY BACKUP

Multiple Luminaires

FHSCP-UNV-6W-L-SD

NOTE: Do not exceed 100W of input power

LED Tube
LED TROFFER
LED Tube

Make Type-B Bypass TLEDs into Emergency Lights – Transform most LED tubes into emergency lights by Intercepting the line voltage with this battery backup solution.

Works with Fulham DirectAC Retrofit Kits – Make any of our DirectAC kits into emergency lights. Field-installable and UL listed with conduit whip for remote mounting.

100V **Up to 100W of Load –** Load up to 100W of retrofit kits or LED tubes onto this battery backup, it will delivery 6W of emergency power for 90 minutes.

Cost Effective Solution – Reduces the need for higher cost EM solutions.

Low Labor Installation – Externally mounted outside the luminaire and wired on the input side of fixture. All you have to do is intercept the line voltage.

FHSCP-UNV-6W-L-SD

Strips & Wraps	Sconces	Troffers	Decorative
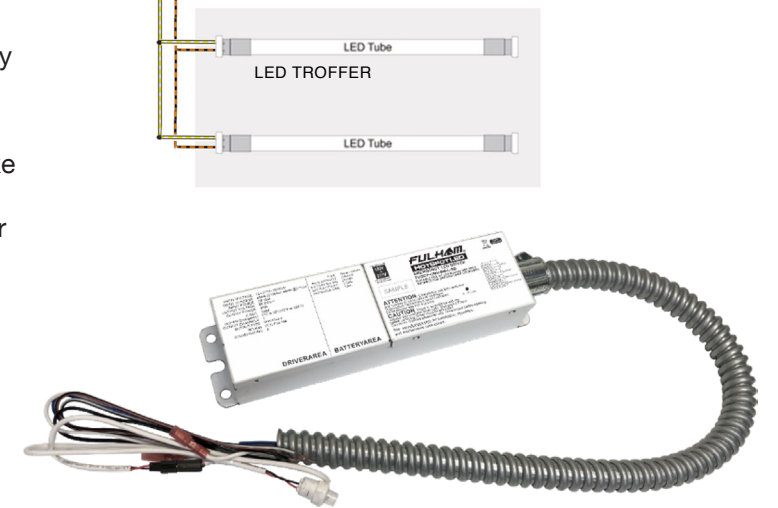
Remote Battery Backup

FIELD-INSTALLABLE

⚡ **Adds Field-Installable Emergency Capability to LED Luminaires** - Provides backup power to the luminaire's LED modules for at least 90 minutes.

🔵 **The cULus Classified Driver is Designed for Flexibility,** with multiple mounting options, a conduit feed, and an illuminated test switch. CEC Title 20 compliant for use in California.

☁ **Ideal Solution for LED Panel Battery Backup** and on many other types of fixtures.

🔋 **Constant Power Design** for reliable lumen output.

☀ **Illuminated LED Test Switch** allows simple monitoring and required compliance testing.

⊘ **10-55VDC -** Easy to apply to most LED applications.

FHSCPUNV5WL

FHSCPUNV10.7WL

FHSCPUNV17WL

Recessed	Linear	Strips & Wraps	Panels

Internal Battery Backup Systems

✛ **Hyper Compact Emergency Systems** fit inside fixtures or enclosures to enable emergency lighting.

💼 **Simple Installation** helps reduce assembly line confusion and wiring mistakes.

▦ **Self-diagnostic -** Tests and signals battery health every 30 days.

⊘ **15-55VDC -** Easy to apply to most LED applications.

🌡 **55°C Ambient -** Higher ambient operating temps open new application options.

☀ **Brushed Steel Bi-Color and Wet Location Test Switch Options -** Increase the aesthetics of your fixture with brushed metal bi-color switches or place the unit in a sealed wet location fixture for expanded possibilities.

FHSCP-UNV-4W-L

FHSCP-UNV-10P-S-SD

Drums	Wallpacks	High Bays	Linear

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order@fulham.com   (323) 599-5000   fulham.com
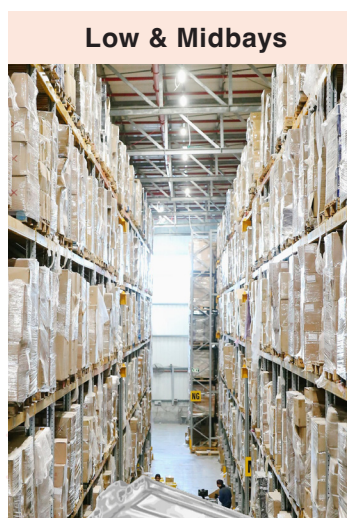
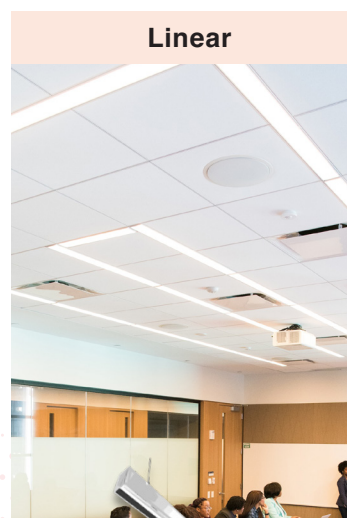# 25W Micro-Inverter

FHUPS1-UNV-25L-SD

25W EM Output for up to 150W of Load with 0-10V Dimming - Eliminates needed for a higher wattage, more costly inverter and reduces SKUs required for Emergency capability in fixtures.

True Line Voltage 120/220/277 VAC Output – True line volage output for easy installation.

Can Operate One or Many Fixtures – Easy to apply to most LED applications: Install a single fixture or multiple fixtures to one Inverter.

Remote Up to 150ft on 18ga Wire – Place the inverter away from hot ceilings or challenging areas to create an easy solution for tough environments.

Ease of Install as an Accessory - No need to open up a fixture, no testing. Just power the input of your fixture and connect the 0-10V control wires.
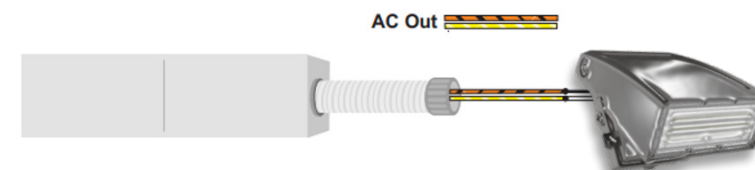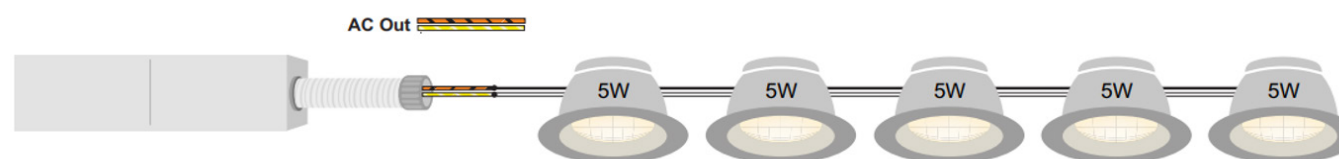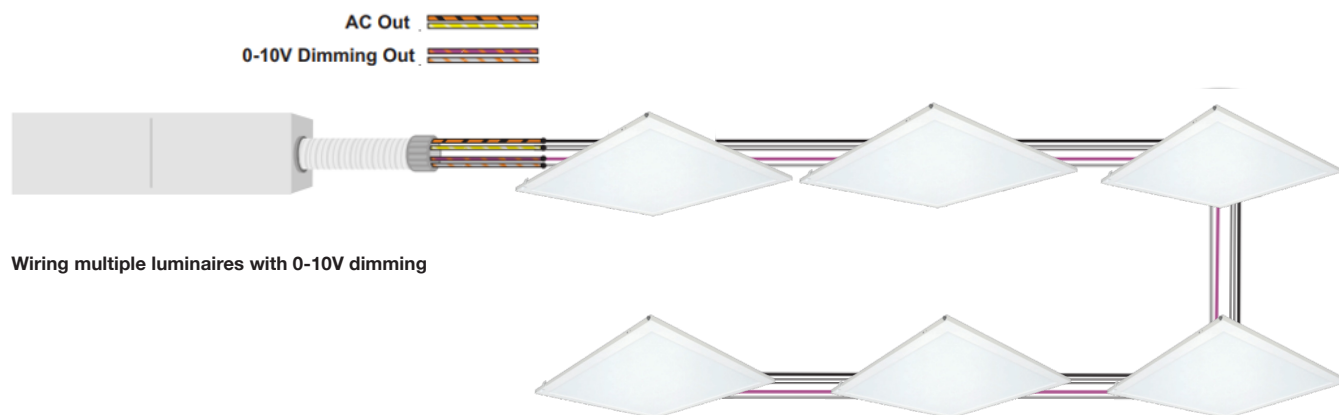
Panels	Low & Midbays	Linear	Downlights

One 25W luminaire powered at 100% during an emergency:

AC Out

Five 5W luminaires powered at 5W each during an emergency:

AC Out

5W 5W 5W 5W 5W

150W Install (Six 25W Luminaires):

AC Out
0-10V Dimming Out

Wiring multiple luminaires with 0-10V dimming

For Luminaire(s) with an output power less than 150W(170VA) and have 0-10 dimming function.

BLACK (L2) Switched or Un-Switched Line
AC Output
Orange/Black (Line) — Black
Yellow/White (Neutral) — White
AC Input
LUMINAIRE

BLACK/RED (L1) Un-Switched Line
0-10V Dimming Out
Purple/Orange (+) — Purple
Pink/Orange (-) — Pink

AC Input

WHITE (Common)

FHUPS1-UNV-25L-SD

TEST sWITCH

BATTERY CONNECTOR

Note: If a switched line (L2) is not used, the switched (L1) and un-switched (L2) lines must be combined.

DIM(+) IN — Purple
DIM(-) IN — Pink

Note: Pink or Gray dimming wire provided. use interchangeably.

Note: Pink/Orange or Gray/Orange dimming wire provided. use interchangeably.

0-10V Dimmer

FIREHORSE
FULHAM

50W Micro-Inverter

HIGH POWER TO MAKE ANY FIXTURE OR BRANCH CIRCUIT AN EMERGENCY SOLUTION

50W EM Output for up to 320W of Load with 0-10V Dimming - Eliminates the need for a higher wattage, more costly inverter and reduces SKUs required for Emergency capability in fixtures.

True Line Voltage 120/220/277 VAC Output – True line volage output for easy installation.

Can Operate One or Many Fixtures – Easy to apply to most LED applications: Install a single fixture or multiple fixtures to one Inverter.

Remote Up to 150ft on 18ga Wire – Place the inverter away from hot ceilings or challenging areas to create an easy solution for tough environments.

Ease of Install as an Accessory - No need to open up a fixture, no testing. Just power the input of your fixture and connect the 0-10V control wires.
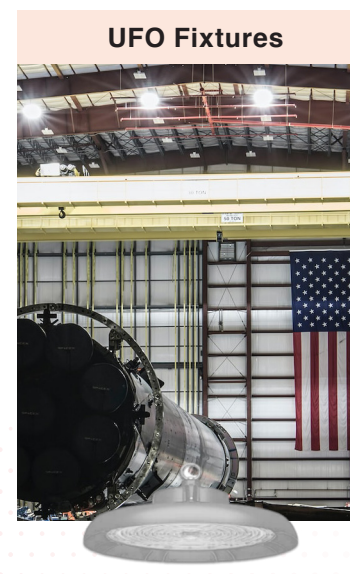
17.37"
3.04"
2.29"
FULHAM FHUPS1-UNV-50L-SD

FHUPS1-UNV-50L-SD
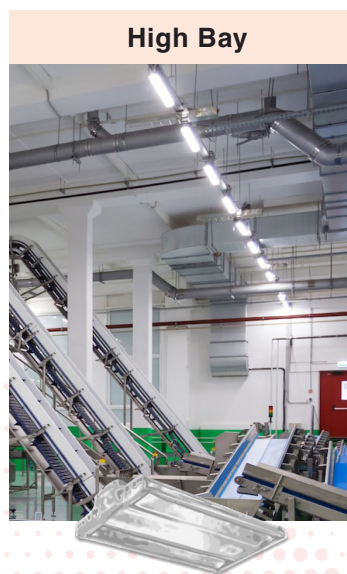
High Bay	Panels	Downlights	UFO Fixtures

HOTSPOT
FULHAM

40W UFO High Bay

EMERGENCY BATTERY BACKUP

Works with most UFO High Bays – Easy to integrate into existing situations by powering the input of the fixture.

120-347VAC Input with Built in Junction Box – Ready for 120V, 277V and 347V applications.

40W of Emergency Power – Enough power to land light even from the highest ceilings.

Power fixtures of up to 320W - Cover the needs of all your UFO installations with this one emergency solution.

FHSHB-347-40W-D

REMOTE TESTING

One remote control can control multiple FHSHB-347-40W-D emergency drivers. There's no need to pair the remote to the driver. Each control can work within the max. distance of 98ft. During AC mode: Press "Button A" once for a 30s short-term emergency test; Press "Button B" once for a long-term emergency test until the battery is fully discharged. During Emergency mode (no AC power): Press "Button A" or "Button B" to turn off the emergency output.

Fluorescent Backup

500 Lumen — FH7-UNV-500L-CEC

750 Lumen — FH11-UNV-750L-CEC

1400 Lumen — FH12-UNV-1400L-CEC

Make some Type-A TLEDs into Emergency Lights – Transform LED tubes into emergency lights with this battery backup solution.

Works with a Broad variety of Lamps – Whether it is CFLs, T5, T8, T12, or Circular Lamps, FireHorse is a useful solution.

Reliable, Proven, Easy – Fast and easy installation, a world renowned and proven product. When you need a solution to a legacy lamped application with emergency, remember the FireHorse!

CFL Fixtures	Type A LED Tubes	Lamped Strips	Fluorescent Vapor Tights

Emergency Lights & EXIT Signs

FHEX20WREM

FHEM16W

FHEM10W

FHEC30WG

All the Options for Exit, Emergency Fixtures, and Combo Units: Sizes, colors, material, remote heads, wet location, and various form factors – whatever you need, Fulham has an option.

Extremely Competitive Pricing – Fulham is ready to outcompete the lowest prices while providing better service and delivery.

Highly Available – Fulham keeps a strong stocking position and is ready to ship product at almost any time.

VAST ARRAY OF OPTIONS

FHEXWGEM
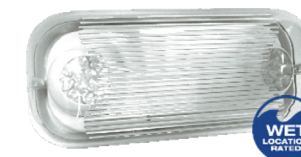
FHEM12WW

FHEC30WRH

FHEX26R

FHEM17

FHEM18W

FHEC34R

FHEX23ASREM

FHEM10WH

FHEU20

Electronic Fluorescent Ballasts

ALWAYS A SOLUTION

WORKHORSE FULHAM

The Contractor's Best Friend: Versatile fluorescent ballasts, with dedicated & Universal input voltage, designed to run dozens of lamp types in hundreds of combinations.

RACEHORSE FULHAM

Compact, flexible ballasts for use with CFL, Circle,T5, T8 and T12 lamp applications.

SUGAR CUBE FULHAM

Efficient, lightweight ballast ideal for compact applications including under-cabinet lighting, sconces and downlights.
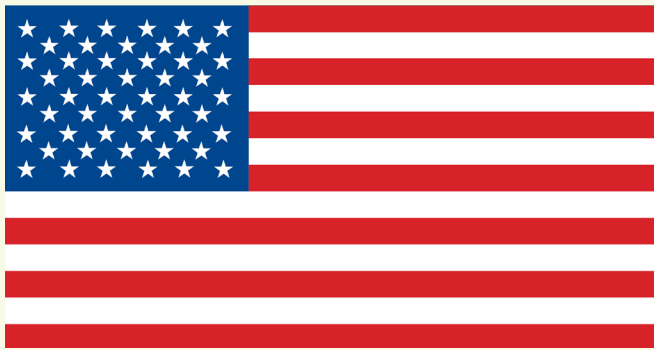
PONY FULHAM

High power factor fluorescent ballasts for CFL and T5 lamp applications with universal input voltage (120-277VAC).

Panels & Troffers	High Bays	Linear	Pendants
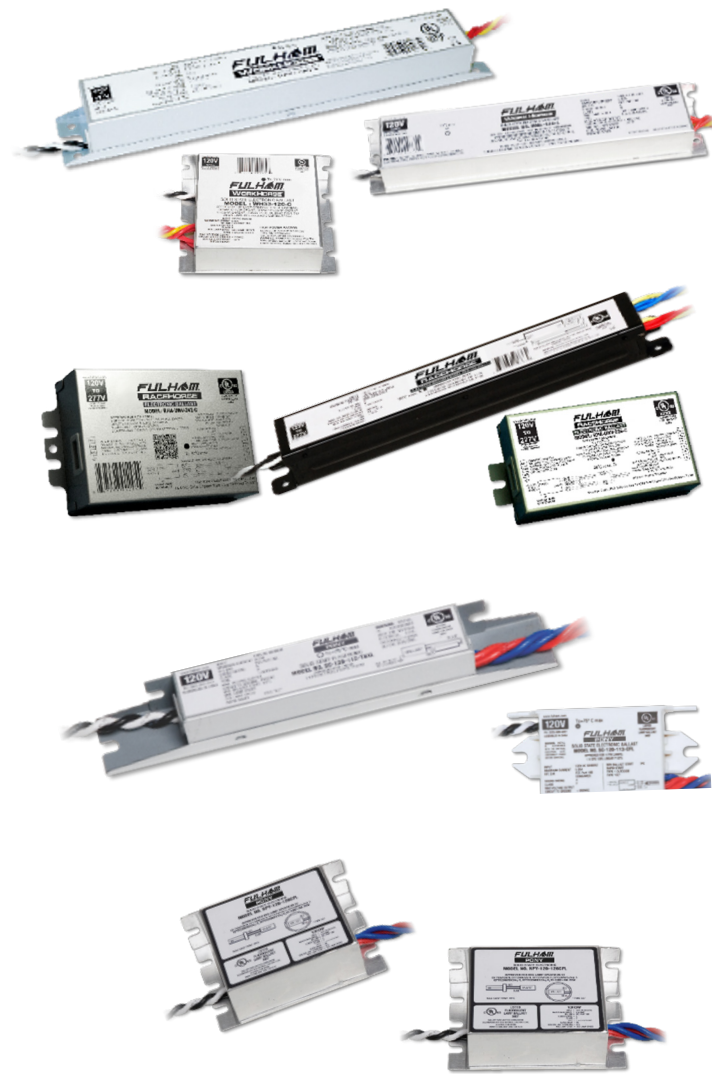
Wiring Diagrams Online

Find WorkHorse wiring diagrams here:
https://www.fulham.com/contact-us/wiring-diagrams/

Or scan this QR Code with your SmartPhone's camera >

Scan Me with Your Phone's Camera!

U.S INNOVATION BY FULHAM

Fulham has a rich history of developing innovative, award-winning lighting solutions. From Fulham's U.S. Headquarters near Los Angeles, California, Fulham Product Managers, Engineers, Salespeople and Marketers team up to develop innovative, new product ideas that are then researched, designed and manufactured by Fulham's own factories abroad. This all occurs under Fulham's direct supervision as a Prime Manufacturer, thus guaranteeing the extremely high quality upon which Fulham has built its reputation for 30 years.

Our global lighting programs include:

- Wireless Control Systems
- Programmable LED Drivers
- Standard LED Modules & Drivers
- Horticulture Modules
- Everyday Electronic Fluorescent Ballasts

- Specialty Ballasts such as UV/Germicidal, Refrigeration, or Remote Mount
- Emergency lighting
- Custom solutions
- And more...

BALLASTS

order@fulham.com   (323) 599-5000   fulham.com

SUNHORSE
FULHAM

Tanning & Germicidal Ballasts

- **UV Ballasts** with programmed pre-heat start options, as well as programmable options like an LED driver.
- **Tanning beds** present opportunities for replacement business. Lots of ballasts are used in one bed.
- **Great for water sterilization**, air purification and surface disinfection.
- **Fulham has a variety of ballasts** for almost every UV application.

ICEHORSE
FULHAM
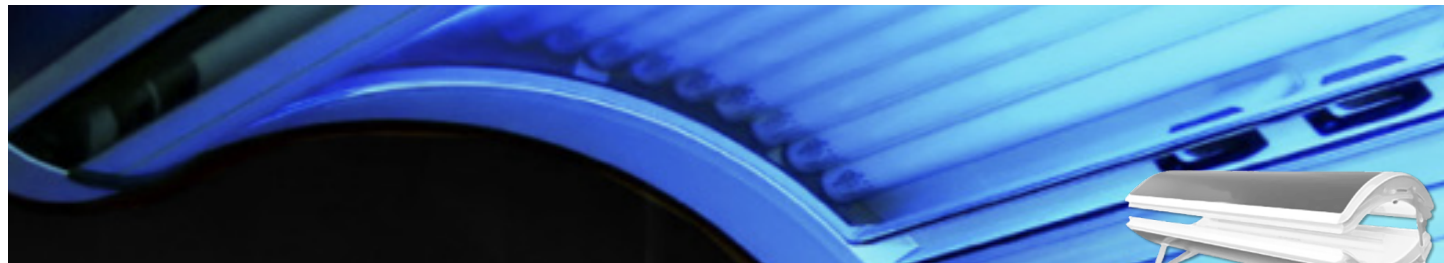
Low Temperature Ballasts

- **Dynamic ballast** that automatically synchs/adjusts in cold temperatures to provide optimal light output.
- **Minimum starting temperature** –30°C/-22°F.
- **Type "HL" approved** for hazardous locations.
- **Ideal for refrigerator cases,** freezer cases, vending machines and consistently cold outdoor locations.
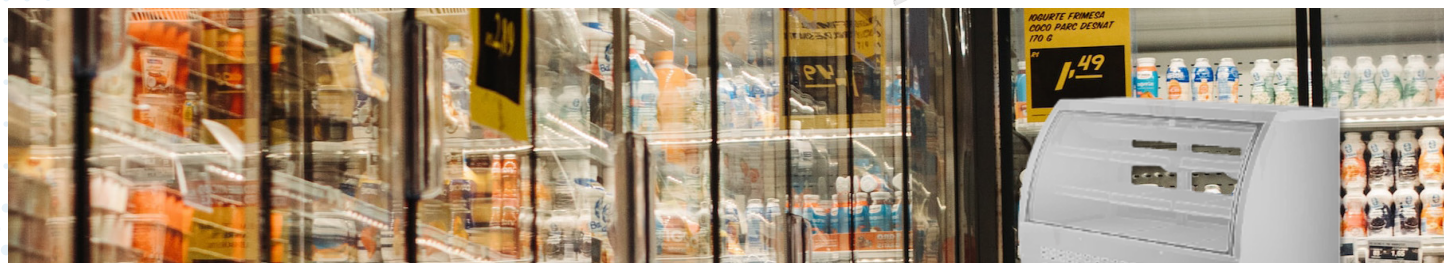
LIMITED WARRANTY

Length of Warranty and Coverage

Warranty period will be determined from the date of manufacture as indicated by the date code stamped on each product and will be covered as follows:

EliteControl™ – 5 Years*
FireHorse™ - 2 to 5 Years
HotSpot™ - 5 Years*
IceHorse™ Ballast - 3 Years
LongHorse™ Electronic Remote Fluorescent Ballast - 5 Years
LumoSeries™ - 5 Years
PONY™ Electronic Ballast - 2 Years
PONY™ Electronic SugarCube™ - 2 Years
PONY™ Electronic Transformer - 2 Years
RaceHorse™ Electronic Ballast – 70ºC 5 Years, 90ºC 3 Years
SunHorse™ Ballast - 3 to 5 Years (depending on the model)
ThoroLED™ Drivers - 2 to 5 Years
ThoroLED™ Modules/Engines - 3 to 5 Years*
ThoroLED™ Retrofit - 5 Years*
ThoroLED™ Luminaire - 5 Years*
Vizion™ Modules/Engines - 5 Years*
Vizion™ Retrofit - 5 Years*
Vizion™ Luminaire - 5 Years*
VividHorse™ - 5 Years*
WorkHorse™ Electronic Fluorescent Ballast - 5 Years
WorkHorse LED™ Drivers - 5 Years

* Covered defects for FarmHorse, Vizion, VividHorse, ThoroLED, and HotSpot LED modules. For purposes of this limited warranty, a defect in a module shall be defined as one or more individual LEDs dark at initial installation or greater than 10% of individual LEDs dark during the Warranty Period. Replacement and/or repair of individual Vizion, ThoroLED, or HotSpot LED Modules does not extend this limited warranty beyond the original Warranty Period.

Warranty Conditions

Fulham extends this express limited warranty only to the original purchaser or to the first user. This constitutes the complete warranty for the product. Fulham is not responsible for any auxiliary equipment not furnished by Fulham, which is used in connection with or attached to the product, or for operation of the product with any auxiliary equipment. Damage to all such equipment is expressly excluded from this warranty. In addition, Fulham is not responsible for any damage to the product resulting from the use of auxiliary equipment not supplied by Fulham.

Warranty Conditions Not Covered

This warranty is not applicable to any product manufactured by Fulham not installed and operated in accordance with:

* Underwriters Laboratories Inc. (UL)

* National Electrical Code (NEC)

* Standards set by the International Electrotechnical Commission (IEC)

* European Norms Electrical Certification (ENEC)

* Applicable international federal, state and local codes

* Remote applications beyond maximum distance noted on product specification sheet. If maximum distance is not provided, remote application is not covered.

* Fulham specific, most recent instructions and application guidelines provided for installation of the product

Additionally, this warranty is not applicable to Fulham manufactured products that have been subjected to excessive stress including, but not limited to, operating temperatures exceeding the recommended maximum temperature on any part of the product.

Obtaining Warranty Service

If within the warranty period it appears that the installed product does not meet the warranty conditions specified, the purchaser must notify Fulham of its warranty claim. Fulham or its authorized service company will provide warranty service directly to you.

General Provisions

All responsibilities regarding the product are set forth by this warranty. Replacement or repairs of the product is your exclusive remedy. For purposes of clarity, "replacement or repairs of the product" does not include any removal or reinstallation costs or expenses, including, without limitation, any labor costs or expenses, shipping costs to return non-conforming products or any damages that may occur during the return of product to Fulham. If Fulham chooses to replace the product and is not able to do so because it has been discontinued or is not available, Fulham may replace it with a comparable product. Fulham reserves the right to use new, reconditioned, refurbished, repaired or remanufactured products or parts in the repair or replacement of any product covered by this warranty. If no replacement product is available, Fulham, solely at its discretion, may issue a credit for the product, prorated for its remaining warranty life.

This warranty is given in lieu of all other express warranties. Implied warranties, including those without limitation, warranties of merchant ability and fitness for a particular purpose, are limited to the duration of this limited warranty. Fulham shall in no event be liable for damages in excess of the purchase price of the product, for any loss of use, loss of time, inconvenience, commercial loss, lost profits or savings or other incidental, special or consequential damages arising out of the use or inability to use such product, to the full extent such may be claimed by law.

Local Exceptions

Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, therefore the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and purchasers may have other rights that vary by jurisdiction.

Returned Materials Authorizations (RMA)

Customers shall contact Fulham directly for all RMA's.

After receiving the RMA, the user shall promptly return the product at the user's expense to Fulham after receiving instructions as to when and where to ship product. Failure to follow this procedure shall void this warranty. Should the number of pieces received by Fulham differ from the RMA either +/-, the customer will be notified and adjustments will be made at that time.

Fulham reserves the right to examine all failed products to determine the cause of failure and patterns of usage and reserves the right to be the sole judge as to whether any products are defective and covered under this warranty.

Contact Information

Fulham North America   +1 323 599 5001
                                     warranty@fulham.com

Effective: August 1st, 2018

FULHAM®
Harness the Horsepower

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