



VPR-22-MU-25-9TW-A VPR-24-MU-36-9TW-A

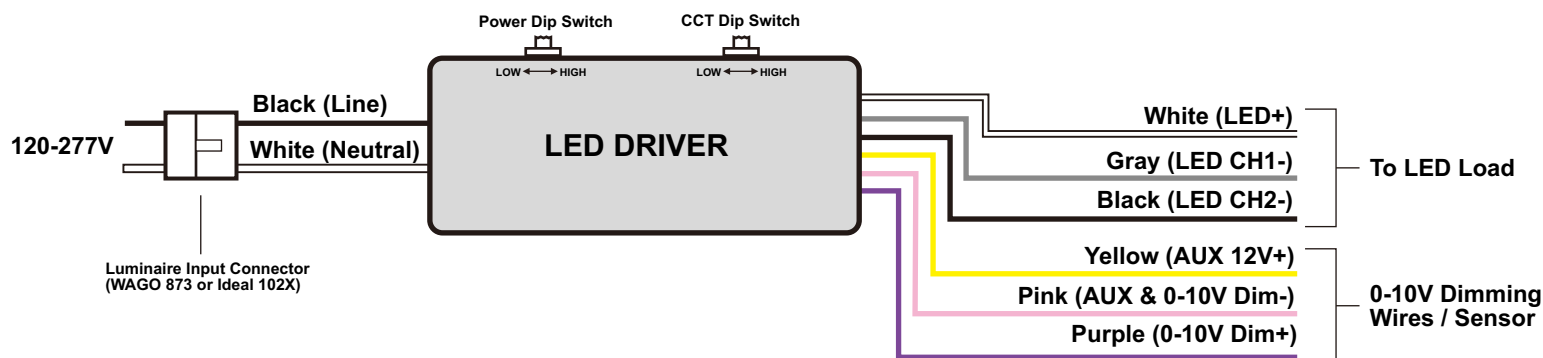
LED PANEL RETROFIT

- Suitable for 2'x2' and 2'x4' luminaires
- Universal Voltage with 0-10V dimming
- Meets CEC Title 24 JA10
- 3 selectable power levels per Model
- Optional Occupancy Sensor
- LED Troffer retrofit kits completely assembled within frame
- DLC Listed
- CCT Selectable (3500K-5000K)
- UL 1598, suitable for dry or damp locations
- 12VDC AUX output

General Specifications

	VPR-22-MU-25-9TW-A	VPR-24-MU-36-9TW-A
Input Voltage	120~277VAC (+/- 10%)	
Operating Frequency	50 / 60Hz	
Input Current	0.15A - 0.21A @120VAC 0.06A - 0.09A @277VAC	0.19A - 0.30A @120VAC 0.08A - 0.13A @277VAC
Initial Lumen Output	Please see Page 2.	
Input Power (Selectable)	18W, 22W, 25W	23W, 30W, 36W
Input PF	>0.9	
THD	<20%	
Beam Angle	120°	
Color Rendering Index	90 CRI Standard	
Operating Ambient Temperature Range (Ta)	-20°C to 50°C (-4°F to 122°F)	
Estimated Lumen Maintenance	L70>60,000hrs; L90>36,000hrs	
Dimming Type	0-10V Dimming	
Dimming Range	100%-10%, Dim to Off	
Auxiliary Output	12VDC	
Flicker Percentage	<10%	
Overall Size	606mm(23.8") x 606mm(23.8")	1216mm(47.9") x 606mm(23.8")
Safety/Compliance	DLC 5.1 Premium Listed UL 1598: Dry or Damp Location CEC Title 24 JA10	
Warranty	5 years @ Max. Ta 50°C (122°F) from the date of manufacture.	

General Wiring Diagram





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Part Number Matrix

V PR - 22 - M U - 25 - 9 TW - A

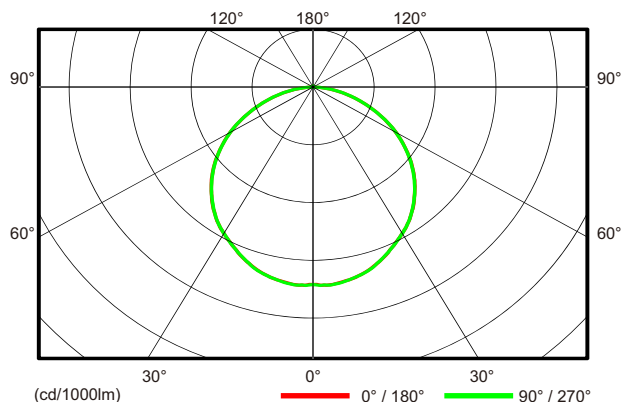
Product Line **V** = VividHorse Type **PR** = Panel Dimension **22** = 2' x 2' Dimming **M** = 0-10V Input Voltage **U** = Universal (120 - 277VAC) Max. Power **25** = 25W (2x2) CRI **9** = 90 Color Temperature **TW** = Tunable White (3500K-5000K) Option **A**

Electrical and Optical Specifications

Model
VPR-22-MU-25-9TW-A (2'x2')

Rated Power	CRI / CCT	Rated Lumen	Rated Efficacy
25W	90/ 3500K	3125 lm	125 lm/W
	90/4000K	3150 lm	126 lm/W
	90/ 5000K	3175lm	127 lm/W
22W	90/ 3500K	2816 lm	128 lm/W
	90/4000K	2838 lm	129 lm/W
	90/ 5000K	2860 lm	130 lm/W
18W	90/ 3500K	2358 lm	131 lm/W
	90/4000K	2376 lm	132 lm/W
	90/ 5000K	2394 lm	133 lm/W

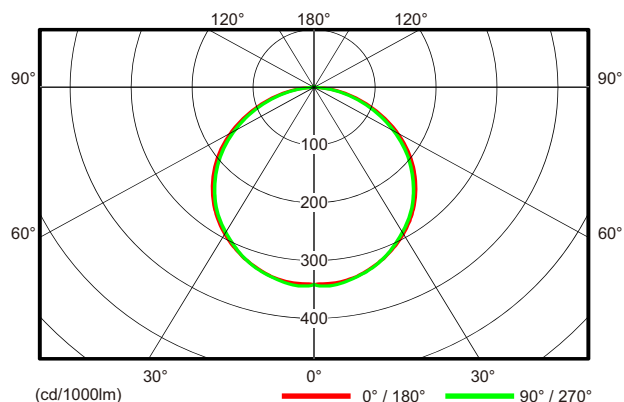
Zone	Zone Flux	Zone Flux%	Sum Zone Flux	Sum Zone Flux%
0 ~ 10	106.0	3.3%	106.0	3.3%
10 ~ 20	302.8	9.3%	408.7	12.6%
20 ~ 30	457.7	14.1%	866.4	26.7%
30 ~ 40	558.8	17.2%	1425.3	44.0%
40 ~ 50	585.2	18.1%	2010.4	62.0%
50 ~ 60	530.7	16.4%	2541.2	78.4%
60 ~ 70	400.5	12.4%	2941.7	90.8%
70 ~ 80	227.2	7.0%	3168.9	97.8%
80 ~ 90	62.1	1.9%	3231.0	99.7%
90 ~ 180	9.4	0.3%	3240.4	100.0%



Model
VPR-24-MU-36-9TW-A (2'x4')

Rated Power	CRI / CCT	Rated Lumen	Rated Efficacy
36W	90/ 3500K	4500 lm	125 lm/W
	90/4000K	4536 lm	126 lm/W
	90/ 5000K	4572 lm	127 lm/W
30W	90/ 3500K	3840 lm	128 lm/W
	90/4000K	3870 lm	129 lm/W
	90/ 5000K	3900 lm	130 lm/W
23W	90/ 3500K	3013 lm	131 lm/W
	90/4000K	3036 lm	132 lm/W
	90/ 5000K	3059 lm	133 lm/W

Zone	Zone Flux	Zone Flux%	Sum Zone Flux	Sum Zone Flux%
0 ~ 10	151.0	3.3%	151.0	3.3%
10 ~ 20	431.4	9.3%	582.3	12.6%
20 ~ 30	654.1	14.1%	1236.4	26.7%
30 ~ 40	794.7	17.2%	2031.1	43.9%
40 ~ 50	829.7	17.9%	2860.8	61.8%
50 ~ 60	753.8	16.3%	3614.6	78.0%
60 ~ 70	573.6	12.4%	4188.2	90.4%
70 ~ 80	333.6	7.2%	4521.8	97.6%
80 ~ 90	97.2	2.1%	4619.0	99.7%
90 ~ 180	12.9	0.3%	4631.9	100.0%





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Certification Chart

Model	VPR-22-MU-25-9TW-A VPR-24-MU-36-9TW-A
Classification	
	YES (Driver Only)
	YES
	YES

Energy Star™ TM-21 Calculator Data

Tc Module	Reported L70	Reported L90
85°C	>60,000 Hrs	40,000 Hrs
96°C	>60,000 Hrs	36,000 Hrs
105°C	>60,000 Hrs	33,000 Hrs

Tc Module	Calculated L70	Calculated L90
85°C	131,000 Hrs	40,000 Hrs
96°C	117,000 Hrs	36,000 Hrs
105°C	106,000 Hrs	33,000 Hrs

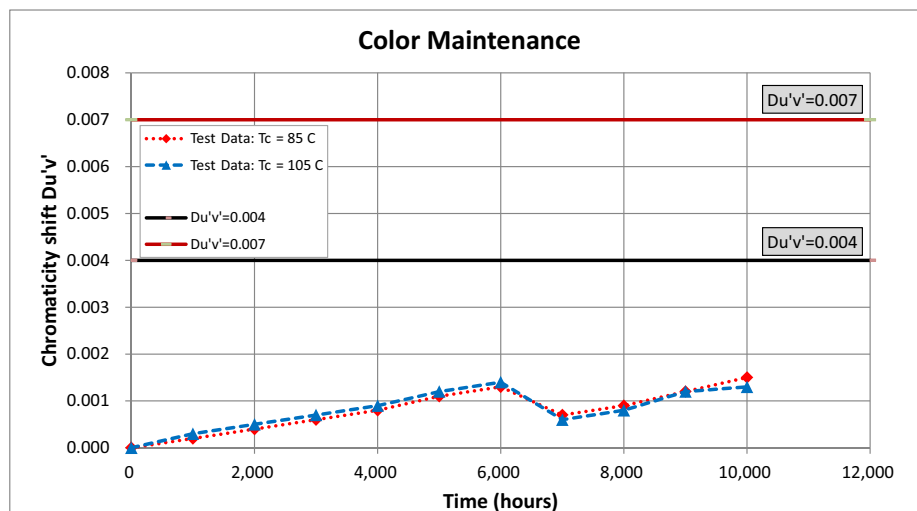
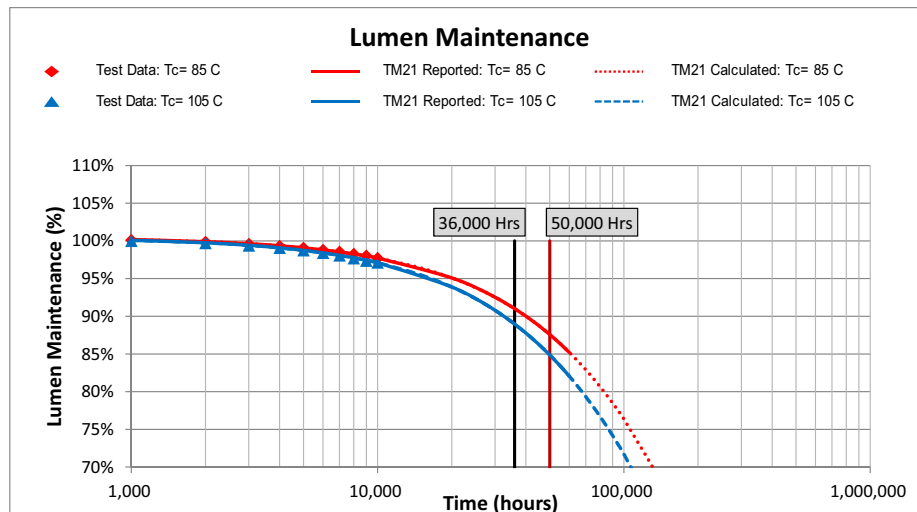
1) Energy Star CSD:

https://www.energystar.gov/products/lighting_fans/certified_lighting_subcomponent_database_csd

2) Energy Star Listed:

https://www.energystar.gov/productfinder/product/certified-light-fixtures/results?scrollTo=342&search_text=fulham&fixture_type_isopen=&markets_filter=United+States&zip_code_filter=&product_types=Select+a+Product+Category&sort_by=light_output_lumens&sort_direction=asc&page_number=0&lastpage=0

LED Lumen & Color Maintenance Data per LM-80 report and TM-21 Calculator



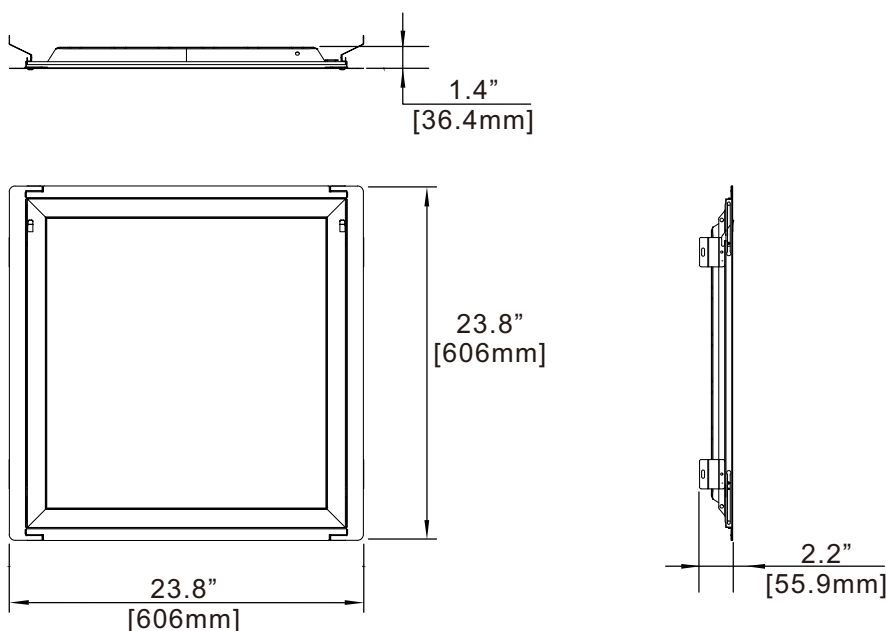


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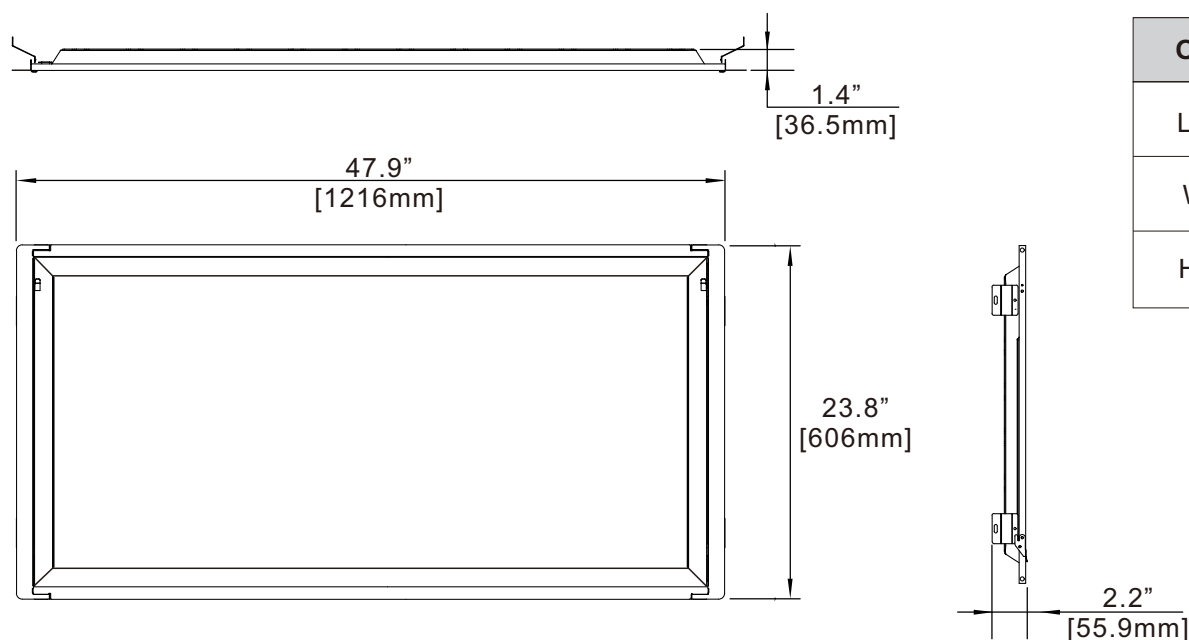
Mechanical Drawings

VPR-22-MU-25-9TW-A



Overall Dimensions	
Length	23.8" [606mm]
Width	23.8" [606mm]
Height	2.2" [55.9mm]

VPR-24-MU-36-9TW-A



Overall Dimensions	
Length	47.8" [1216mm]
Width	23.8" [606mm]
Height	2.2" [55.9mm]



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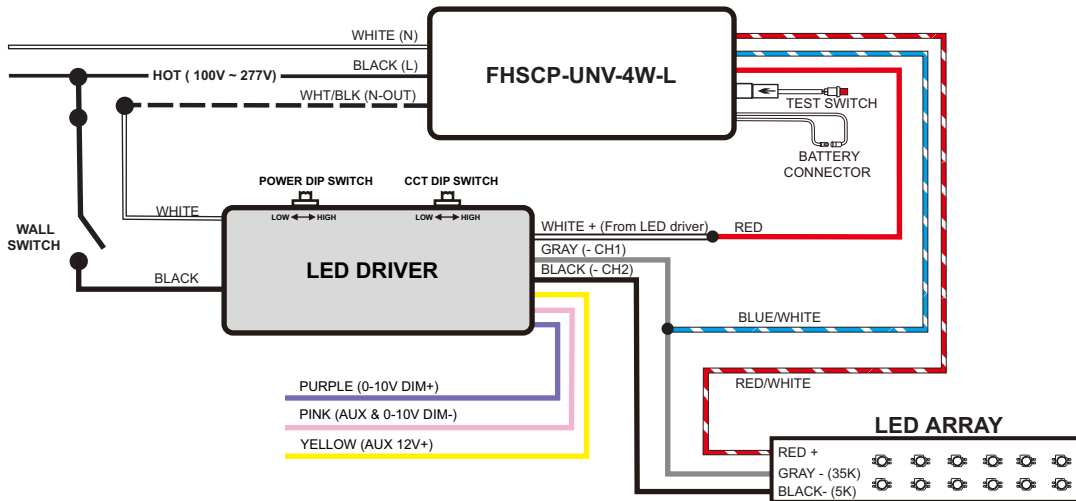
Accessories (Sold Separately)

Emergency Battery Back-up: FHSCP-UNV-4W-L

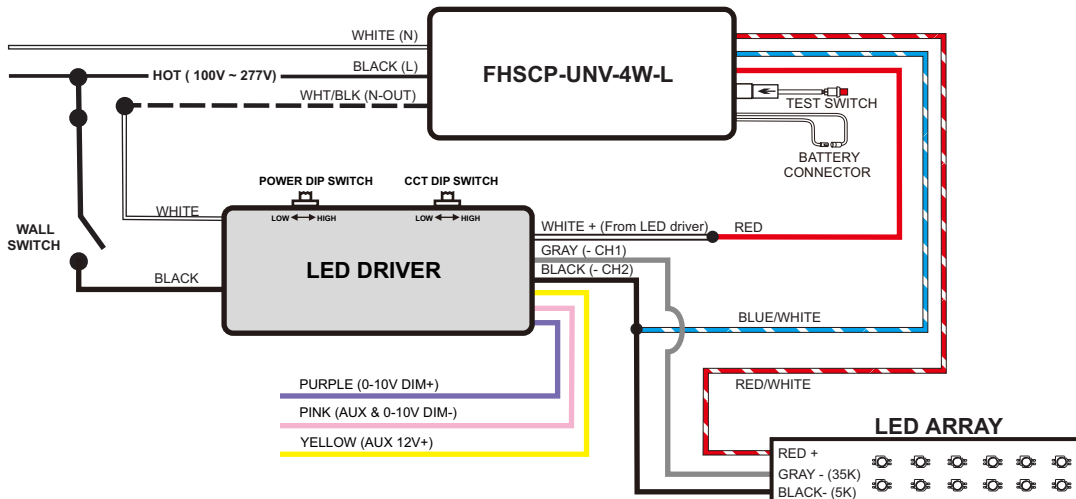
- 4W Constant Power Emergency Back-up
- 500lm
- 90 min.Runtime.



Wiring Diagram 1: 3500K Emergency Output



Wiring Diagram 2: 5000K Emergency Output



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VPR-24-MU-36-9TW-A



Product Image

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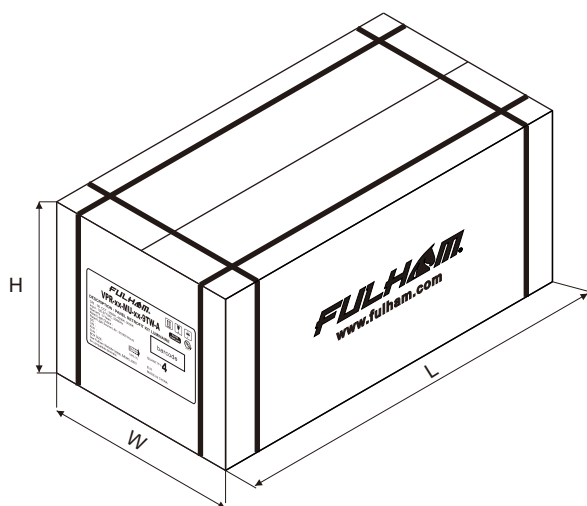


VPR-24-MU-36-9TW-A



Packaging

Master Carton



VPR-22-MU-25-9TW-A

OUTER DIMENSION		
L	W	H
25.98"(660mm)	24.61"(625mm)	7.40"(188mm)
Net Weight	Gross Weight	QUANTITY
24 lbs. (10.9 kg)	6 lbs. (2.722 kg)	4 pcs.

VPR-24-MU-36-9TW-A

OUTER DIMENSION		
L	W	H
50.04"(1271mm)	24.61"(625mm)	7.40"(188mm)
Net Weight	Gross Weight	QUANTITY
39.7 lbs. (18.01 kg)	9.93 lbs. (4.505 kg)	4 pcs.