



VTR-22-MU-30-9TW-A VTR-24-MU-45-9TW-A

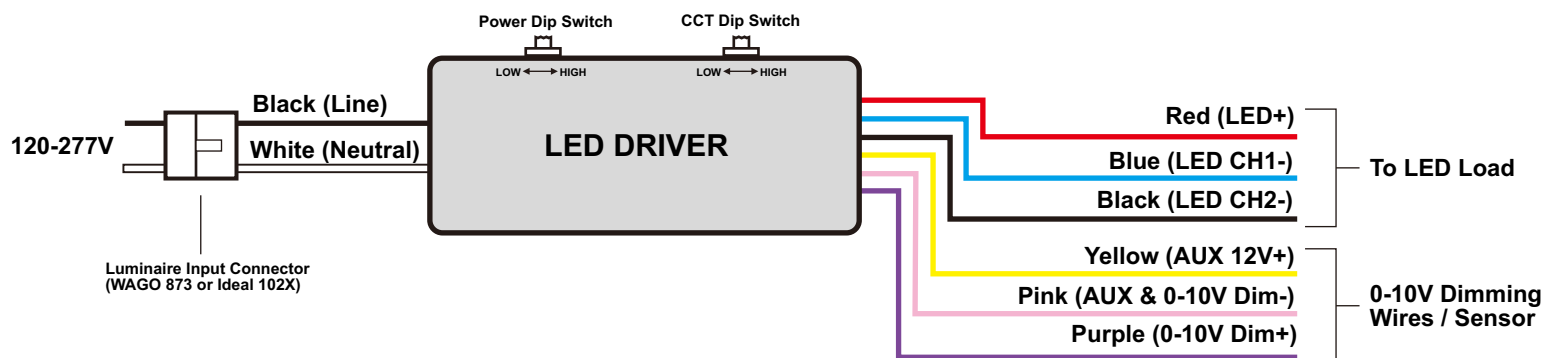
LED TROFFER RETROFIT

- 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

	VTR-22-MU-30-9TW-A	VTR-24-MU-45-9TW-A
Input Voltage	120~277VAC (+/- 10%)	
Operating Frequency	50 / 60Hz	
Input Current	0.16A - 0.25A @120VAC 0.07A - 0.11A @277VAC	0.28A - 0.38A @120VAC 0.12A - 0.16A @277VAC
Initial Lumen Output	Please see Page 2.	
Input Power (Selectable)	20W, 25W, 30W	34W, 38W, 45W
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")	1215mm(47.8") x 606mm(23.8")
Safety/Compliance	DLC 5.1 Premium Listed UL 1598 (E365124): 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





VTR-22-MU-30-9TW-A VTR-24-MU-45-9TW-A



Part Number Matrix

V TR - 22 - M U - 30 - 9 TW - A

Product Line
V = VividHorse

Type
TR = Troffer Retrofit

Dimension
22 = 2' x 2'
24 = 2' x 4'

Dimming
M = 0-10V

Input Voltage
U = Universal
(120 - 277VAC)

Max. Power
30 = 30W (2x2)
45 = 45W (2x4)

CRI
9 = 90

Color Temperature
TW = Tunable White
(3500K-5000K)

Option

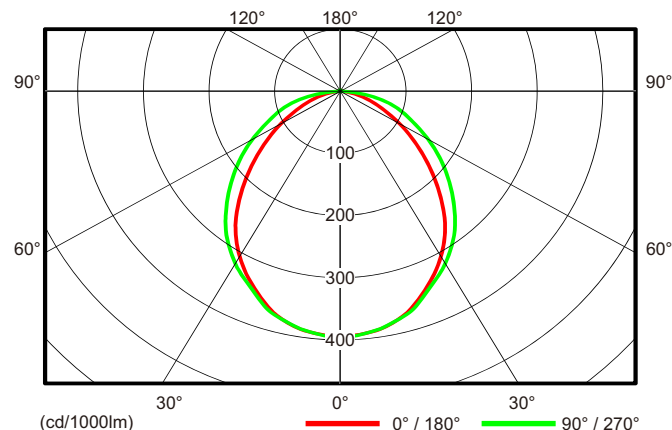
Electrical and Optical Specifications

Model

VTR-22-MU-30-9TW-A (2'x2')

Rated Power	CRI / CCT	Rated Lumen	Rated Efficacy
30W	90/ 3500K	3750 lm	125 lm/W
	90/4000K	3780 lm	126 lm/W
	90/ 5000K	3810 lm	127 lm/W
25W	90/ 3500K	3200 lm	128 lm/W
	90/4000K	3225 lm	129 lm/W
	90/ 5000K	3250 lm	130 lm/W
20W	90/ 3500K	2620 lm	131 lm/W
	90/4000K	2640 lm	132 lm/W
	90/ 5000K	2660 lm	133 lm/W

Zone	Zone Flux	Zone Flux%	Sum Zone Flux	Sum Zone Flux%
0 ~ 10	135.7	3.7%	135.7	3.7%
10 ~ 20	383.9	10.6%	519.5	14.3%
20 ~ 30	564.5	15.6%	1084.0	29.9%
30 ~ 40	661.0	18.2%	1745.0	48.1%
40 ~ 50	643.4	17.7%	2388.4	65.8%
50 ~ 60	537.8	14.8%	2926.2	80.6%
60 ~ 70	383.2	10.6%	3309.4	91.2%
70 ~ 80	236.6	6.5%	3546.0	97.7%
80 ~ 90	73.1	2.0%	3619.1	99.7%
90 ~ 180	11.0	0.3%	3630.1	100.0%

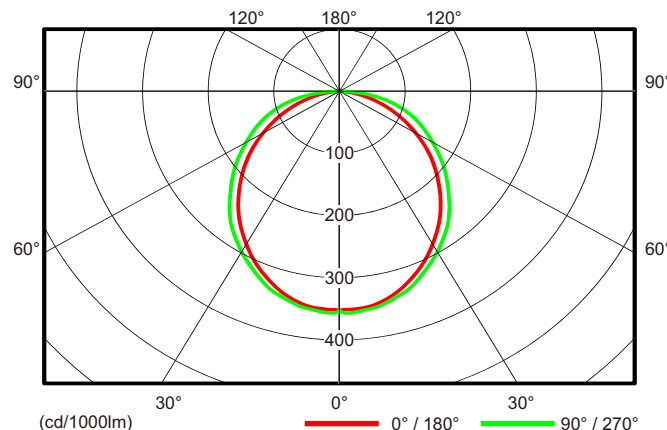


Model

VTR-24-MU-45-9TW-A (2'x4')

Rated Power	CRI / CCT	Rated Lumen	Rated Efficacy
45W	90/ 3500K	5625 lm	125 lm/W
	90/4000K	5670 lm	126 lm/W
	90/ 5000K	5715 lm	127 lm/W
38W	90/ 3500K	4864 lm	128 lm/W
	90/4000K	4902 lm	129 lm/W
	90/ 5000K	4940 lm	130 lm/W
34W	90/ 3500K	4454 lm	131 lm/W
	90/4000K	4488 lm	132 lm/W
	90/ 5000K	4522 lm	133 lm/W

Zone	Zone Flux	Zone Flux%	Sum Zone Flux	Sum Zone Flux%
0 ~ 10	191.1	3.4%	191.1	3.4%
10 ~ 20	538.9	9.5%	729.0	12.9%
20 ~ 30	803.5	14.2%	1532.5	27.1%
30 ~ 40	958.6	16.9%	2491.0	44.0%
40 ~ 50	980.9	17.3%	3471.9	61.4%
50 ~ 60	883.4	15.6%	4355.3	77.0%
60 ~ 70	689.3	12.2%	5044.7	89.2%
70 ~ 80	443.9	7.8%	5488.6	97.0%
80 ~ 90	153.4	2.7%	5642.0	99.7%
90 ~ 180	16.6	0.3%	5658.5	100.0%





VTR-22-MU-30-9TW-A VTR-24-MU-45-9TW-A



Certification Chart

Model	VTR-22-MU-30-9TW-A VTR-24-MU-45-9TW-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

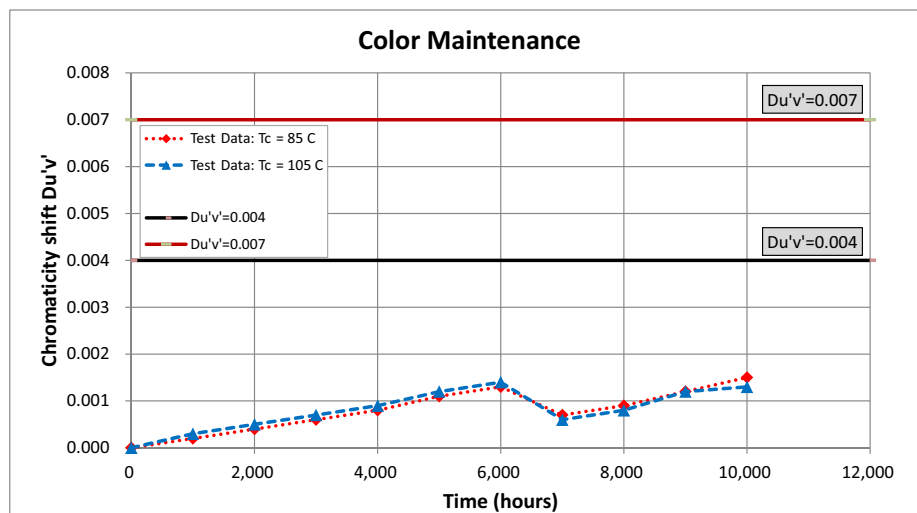
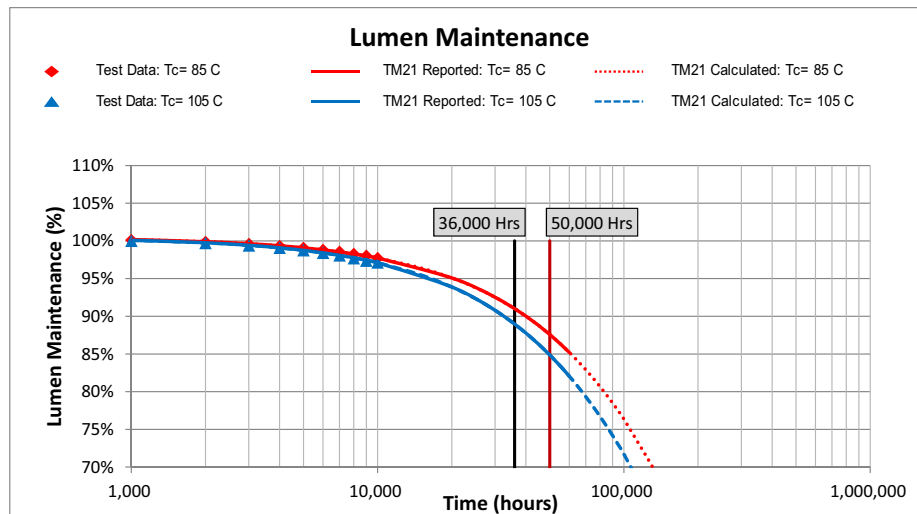
1) Energy Star CSD:

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



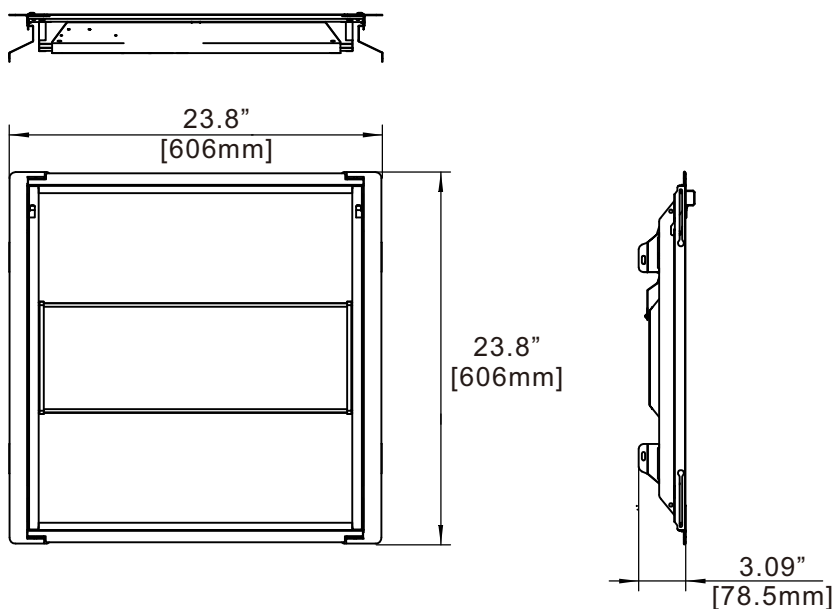


VTR-22-MU-30-9TW-A

VTR-24-MU-45-9TW-A

Mechanical Drawings

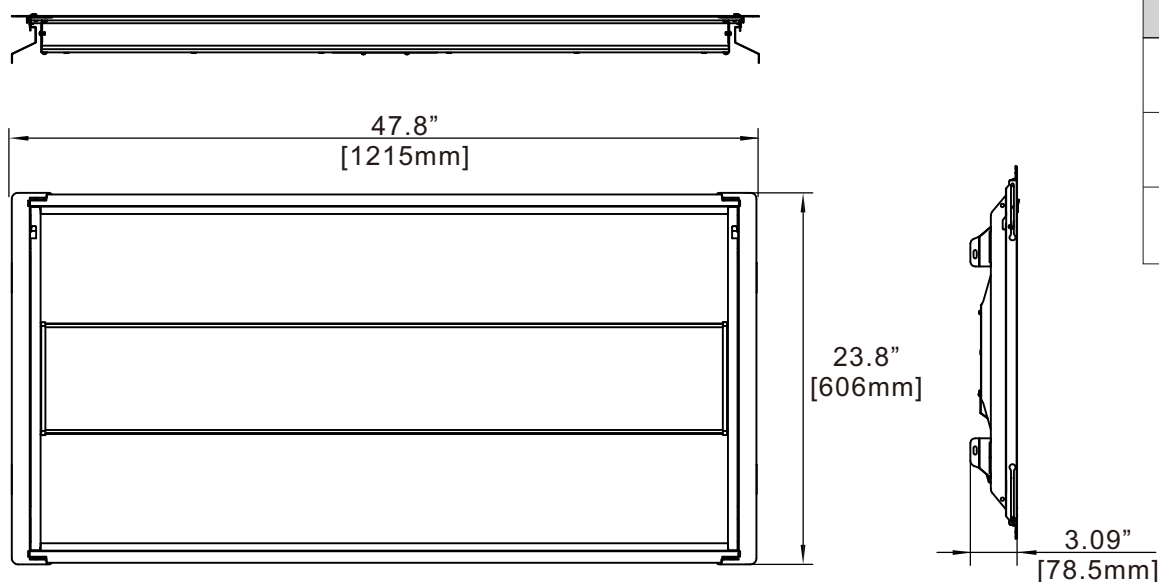
VTR-22-MU-30-9TW-A



Overall Dimensions

Length	23.8" [606mm]
Width	23.8" [606mm]
Height	3.09" [78.5mm]

VTR-24-MU-40-9TW-A



Overall Dimensions

Length	47.8" [1215mm]
Width	23.8" [606mm]
Height	3.09" [78.5mm]



VTR-22-MU-30-9TW-A VTR-24-MU-45-9TW-A

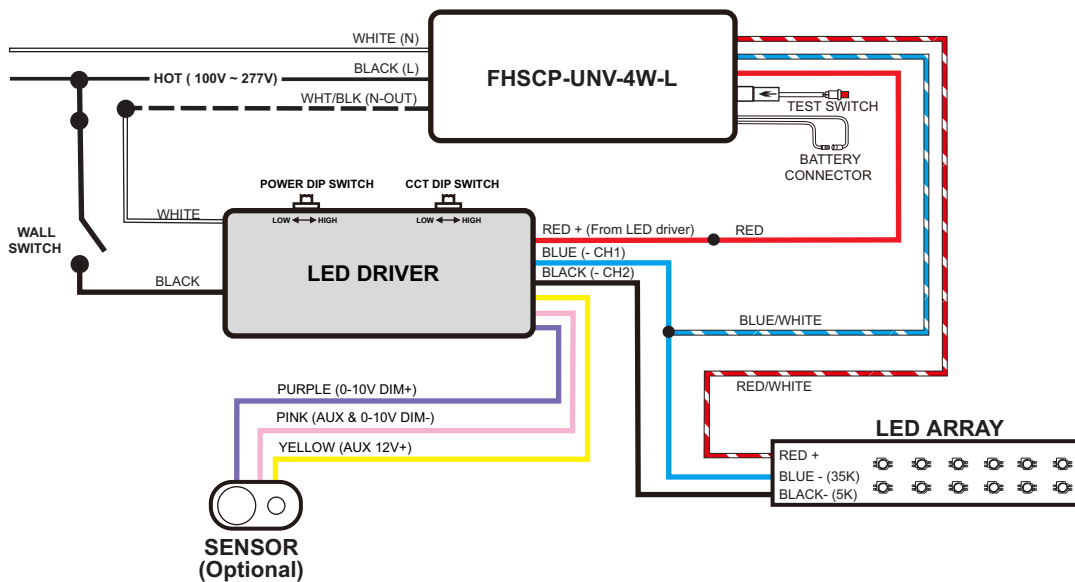
Accessories (Sold Separately)

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

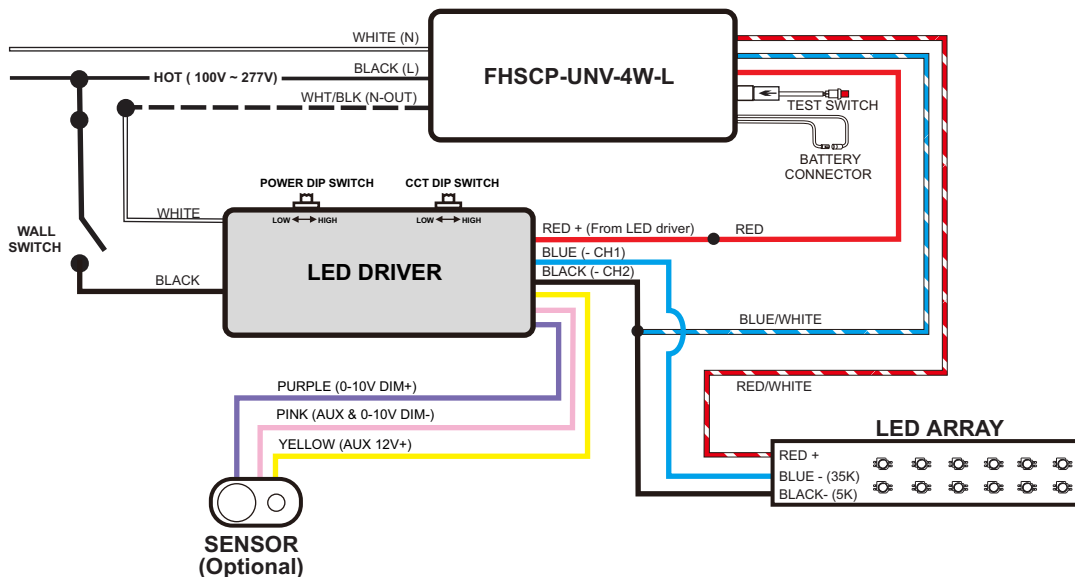
- 4W Constant Power Emergency Back-up
- 500lm
- 90 min.Runtime.



Wiring Diagram 1: 3500K Emergency Output



Wiring Diagram 2: 5000K Emergency Output





VTR-22-MU-30-9TW-A VTR-24-MU-45-9TW-A

Accessories (Sold Separately)

PIR Motion / Lux Sensor: ELMOPLX00SR

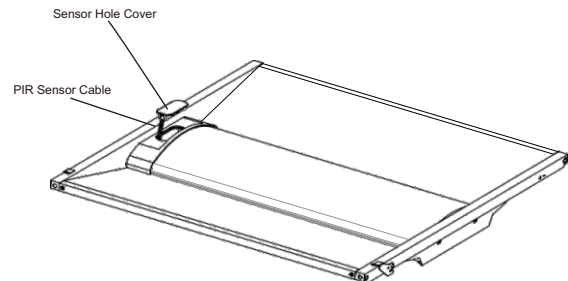
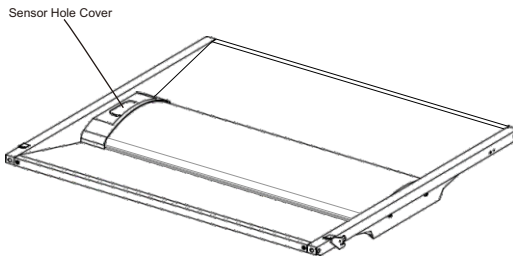
IR Remote Control: ELMOPLX00SR-RM

E **L** **M** **OP** **L** **X** **00** **SR**

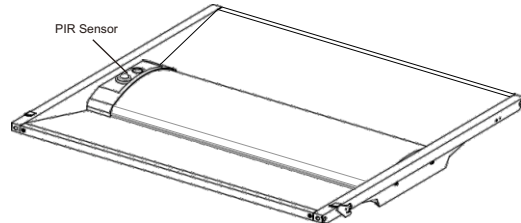
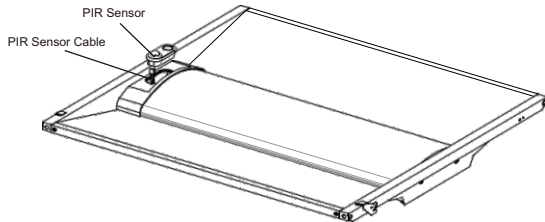
Lighting Control Subfamily Primary Protocol & Powering Primary Function Package Secondary Protocol & Powering Secondary Control Channels Detection Range

E = EliteControl L = Link M = 0-10V OP = Occupancy & Photo sensor L = Luminaire X = None 00 = None SR = Short Range

Specifications	
Input	DC 12V 8mA
Dimming	0-10V, dim-to-off
Detection Range	48ft
Mounting Height	15ft
IP Rating	IP20
Operating Temperature	-30°F to 131°F (-30°C to 55°C)



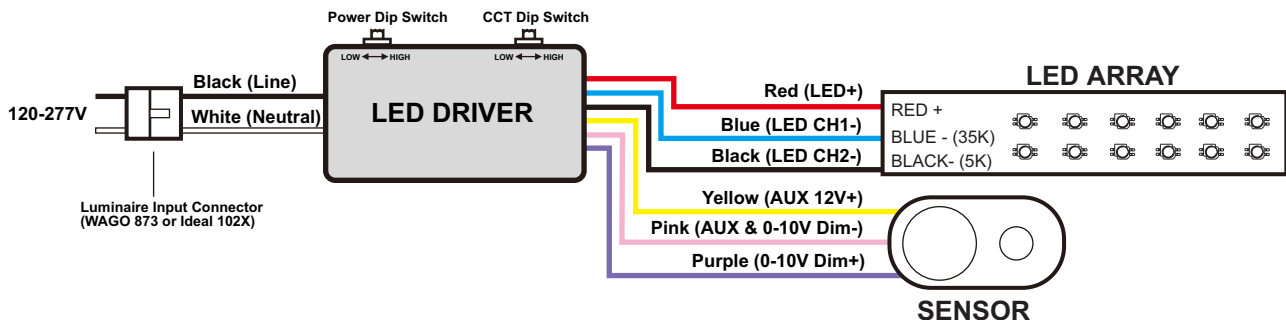
Step 1
Locate and remove the sensor hole cover from the retrofit kit housing.



Step 2
Remove the cable that is attached to the back of the sensor hole cover and insert the terminal into the PIR sensor.

Step 3
Insert the PIR sensor into the sensor hole on the retrofit kit housing and make sure its secured properly.

General Wiring Diagram





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

VTR-24-MU-45-9TW-A

Product Image

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



VTR-24-MU-45-9TW-A



Packaging

Master Carton

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

OUTER DIMENSION		
L	W	H
25.67"(652mm)	24.84"(631mm)	5.24"(133mm)
Net Weight	Gross Weight	QUANTITY
18.5 lbs. (8.4 kg)	9.25 lbs. (4.2 kg)	2 pcs.

VTR-24-MU-45-9TW-A

OUTER DIMENSION		
L	W	H
49.96"(1269mm)	24.84"(631mm)	5.24"(133mm)
Net Weight	Gross Weight	QUANTITY
29.1 lbs. (13.2 kg)	14.55 lbs. (6.6 kg)	2 pcs.

