



VGMUNV240HB84065B-90D

VGMUNV240HB84065W-90D

UNIVERSAL VOLTAGE, POWER AND CCT SELECTABLE UFO HIGH-BAY LIGHT

- Universal (120-277VAC) Input UFO High-Bay
- Suitable replacement for applications using 400W HID
- 0-10V dimmable, dim to off
- 12V/200mA Aux output
- Optional Occupancy/Daylight Harvesting Sensor
- High end trim: 50%, 75%, 100% via sensor remote
- 240W, 200W, 150W power selectable (Default 240W)
- 4000K, 5000K, 6500K CCT selectable (Default 4000K)
- 60, 90, 120D lens options; additional Alu. reflector available
- cULus Listed, Meet UL1598 standard
- DLC 5.1 Premium

General Ratings

Input Voltage*	120-277VAC; 50/60 Hz
Input Current*	2A @ 120VAC
Input Power*	240W / 200W / 150W Selectable (Default 240W)
Power Factor	>0.9
THD	<20%
Lumen Output @ 5000K / 80CRI	35,000 / 30,000 / 23,200 lumens
Efficacy @ 5000K / 80CRI, 225W	155LPW
Dimming Type / Range	0-10V Dimmable; 100%-10%, 0%
Dimming on/off Voltage	Dimming On: Typ. 0.95V ; Dimming Off: Typ. 0.8V
Aux Output	12VDC, 200mA Max.
Beam Angle	60° / 90° / 120° available (Standard Option 90°)
CCT	4000K, 5000K, 6500K selectable (Default 4000K)
CRI	80 Standard; 70 available
Flicker Percentage	<5%
Turn-on Delay Time	<750ms @120VAC
Operating Ambient Temperature Range (Ta)	-35 to +50°C / -31 to +122°F
Maximum Driver Case Temperature (Tc driver)	90°C for safety / 80°C for 5 Years Warranty
Maximum Module Case Temperature (Tc mod)	L70 = 105°C / L90 = 105°C
Estimated Lumen Maintenance**	L70 => 54,000hrs / L90 = 45,000hrs @ Max. Tc mod
Color Consistency	Binning per ANSI C78.377-2011; 5 SDCM Typ.
Overall Size	Φ14.69" x 5.08" H [Φ373mm x 129mm H] without Mounting Ring
Weight	6.79 lbs / 3.08kg
Safety/Compliance	cULus Listed, E541397, Meet UL1598 Standard DLC 5.1 Premium (Product ID: S-SHMFGJ, for 90D lens version) Non-Class 2 Lighting System; Non-isolated Driver Suitable for Wet Location; IP65 FCC Part15 Class B Surge Protection: L-N 6kV, L&N-G 6kV RoHS compliant
Warranty	5 years
Service Life	50,000hrs @ Ta <= 50°C (Tc mod <=105°C; Tc driver <= 80°C)
Protective Lens / Enclosure	Clear Polycarbonate V0 Flame rated Lens / ADC12 Die-casting
Lens Transmittance	>94%

*Measured electrical data per UL file **TM-21 Reported Numbers



RoHS COMPLIANT

IP65

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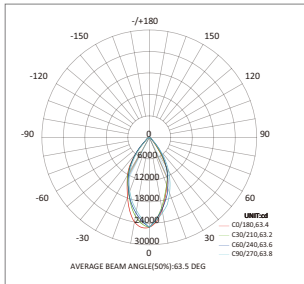
Electrical and Optical Specifications

Model Number	Power Claim	Typ. Power	CCT & CRI	Nominal Luminous Flux	Efficacy
VGMUNV240HB84065x-xxD	240W	235W	4000K /80CRI	33,000 lumens	140 lm/W
		225W	5000K /80CRI	35,000 lumens	155 lm/W
		235W	6500K /80CRI	33,000 lumens	140 lm/W
	200W	195W	4000K /80CRI	28,000 lumens	143 lm/W
		190W	5000K /80CRI	30,000 lumens	157 lm/W
		195W	6500K /80CRI	28,000 lumens	143 lm/W
	150W	150W	4000K /80CRI	22,000 lumens	146 lm/W
		145W	5000K /80CRI	23,200 lumens	160 lm/W
		150W	6500K /80CRI	22,000 lumens	146 lm/W

- 1) Standard lumen output and efficacy is calculated for standard options at 25°C Ambient, with +/- 10% tolerance.
- 2) 1.03 coefficient for CRI70 vs. CRI80.
- 3) Specifications are subject to change without notice.

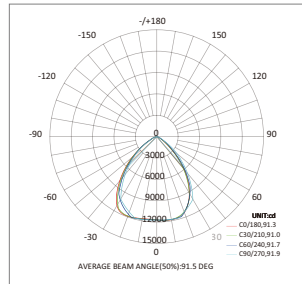
Beam Angle (Lens Option)

Fulham Part Number:
VLE-OPT-UHB1-060C



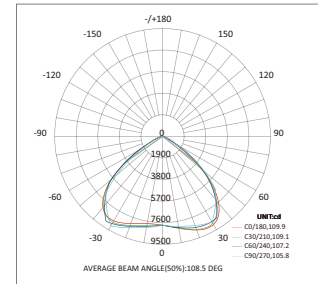
60°

Fulham Part Number:
VLE-OPT-UHB1-090C



90°

Fulham Part Number:
VLE-OPT-UHB1-120C



120°

Zone	Zone Flux	Zone Flux%	Sum Zone Flux	Sum Zone Flux%
0 ~ 10	1697	4.8%	1697	4.8%
10 ~ 20	4910	13.7%	6607	18.5%
20 ~ 30	7468	21.0%	14074	39.5%
30 ~ 40	8489	23.8%	22563	63.3%
40 ~ 50	6660	18.7%	29223	82.0%
50 ~ 60	3589	10.1%	32813	92.1%
60 ~ 70	1720	4.8%	34533	96.9%
70 ~ 80	619	2.7%	35151	98.6%
80 ~ 90	54	0.2%	35206	98.8%
90 ~ 180	436	1.2%	35641	100.0%

Zonal Flux for 90° Luminaire @5000K Full Power



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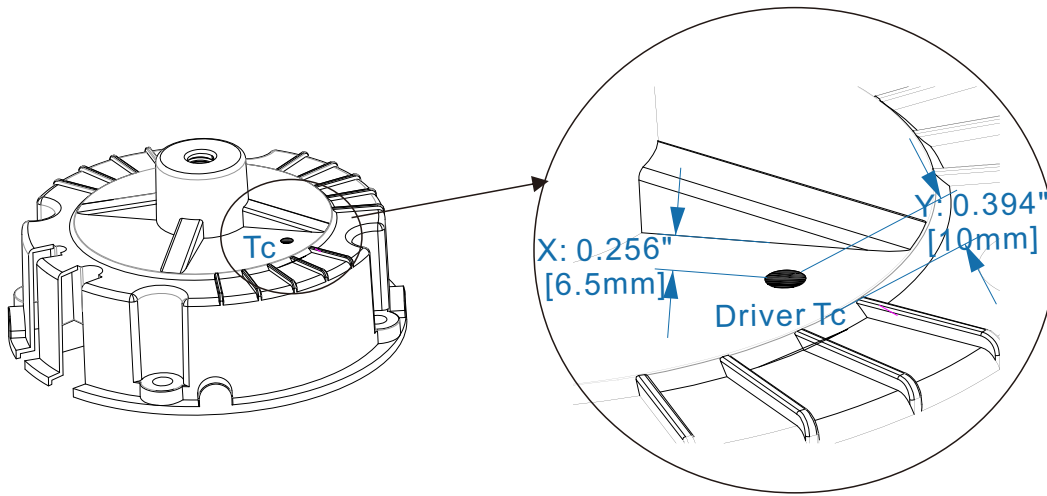
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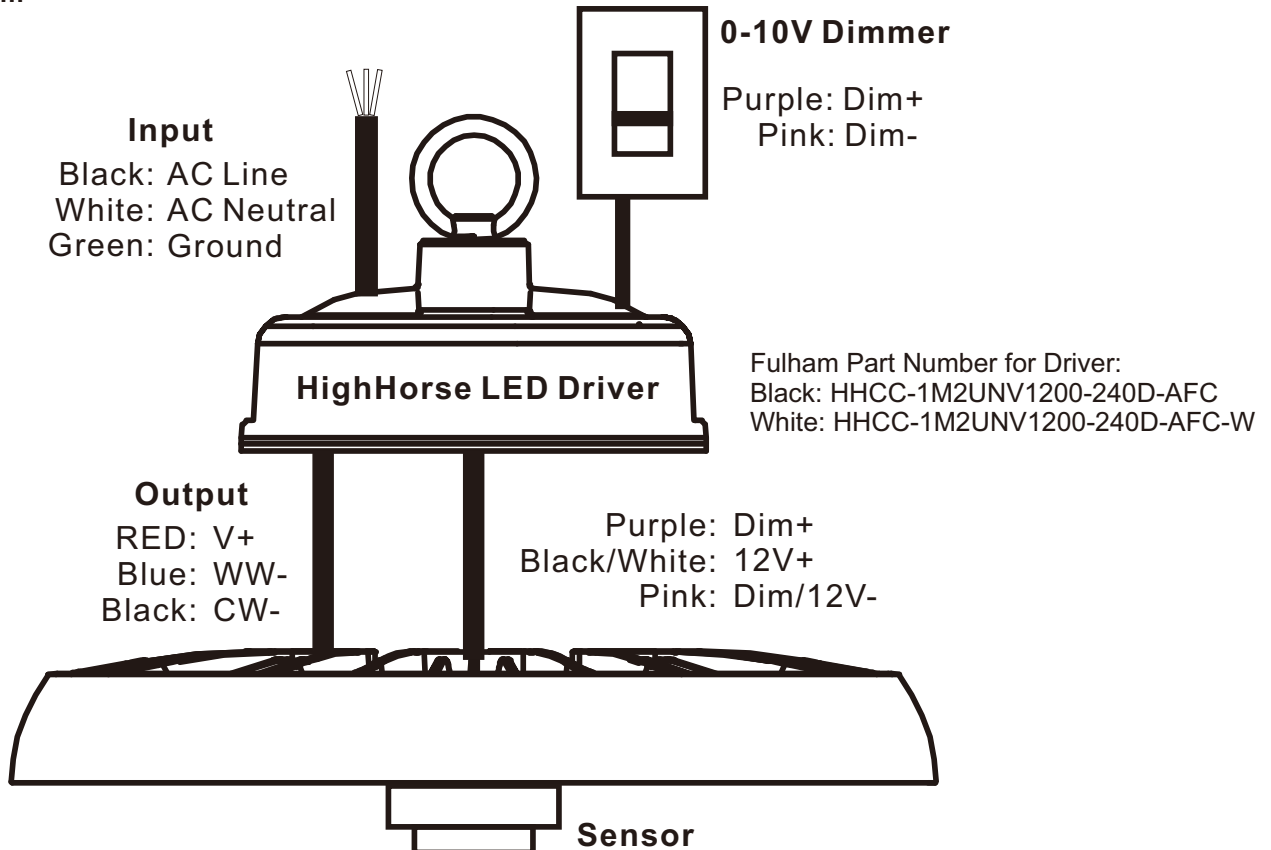
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Thermal Specifications

	Luminaire
Storage Temperature Range	-35 to +90°C / -31 to 194°F
Operating Ambient Temperature Range	-35 to +50°C / -31 to 122°F
Maximum Driver Case Temperature (Tc)	90°C / 194°F
Maximum Module Case Temperature (Tc)	105°C / 221°F



Wiring Diagram





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Certification Chart

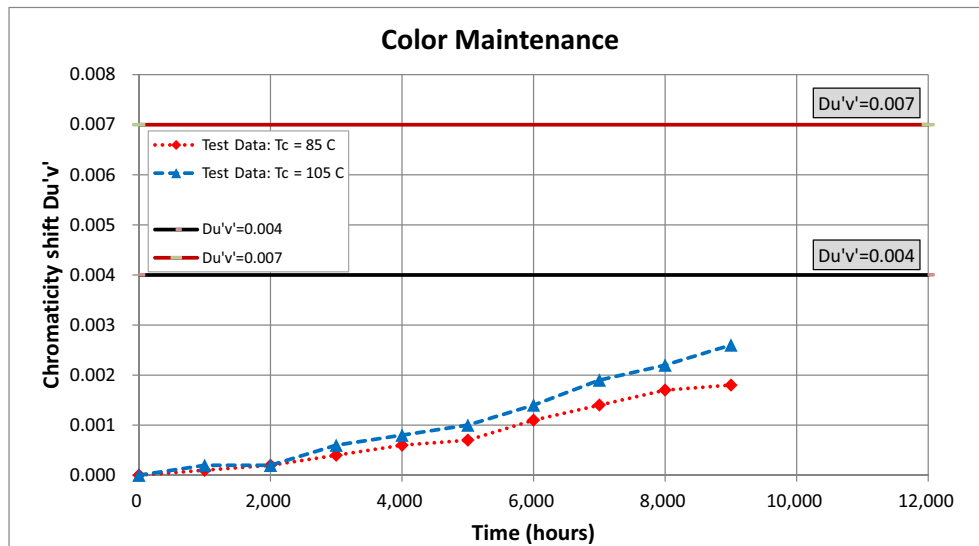
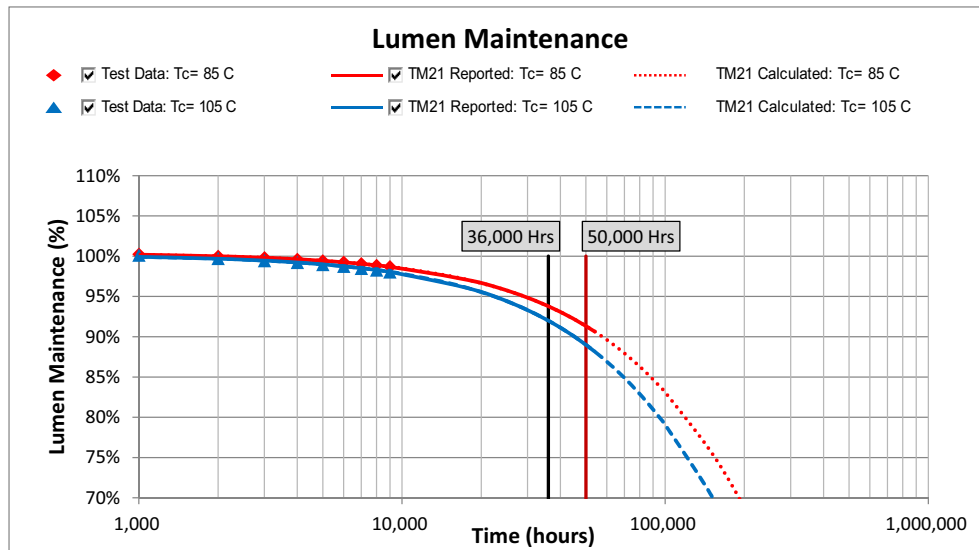
Model	VGMUNV240HB84065x-xxD
Classification	
	YES
	YES Driver: HHCC-1M2UNV1200-240D-AFC(-W)
	YES
	YES
	YES (For VGMUNV240HB84065x-90D)

Energy Star TM-21 Calculator Data

Tc Module	Reported L70	Reported L90
85°C	>54,000 Hrs	>54,000 Hrs
105°C	>54,000 Hrs	45,000 Hrs

Tc Module	Calculated L70	Calculated L90
85°C	190,000 Hrs	57,000 Hrs
105°C	151,000 Hrs	45,000 Hrs

Lumen & Color Maintenance per LED LM-80 Report





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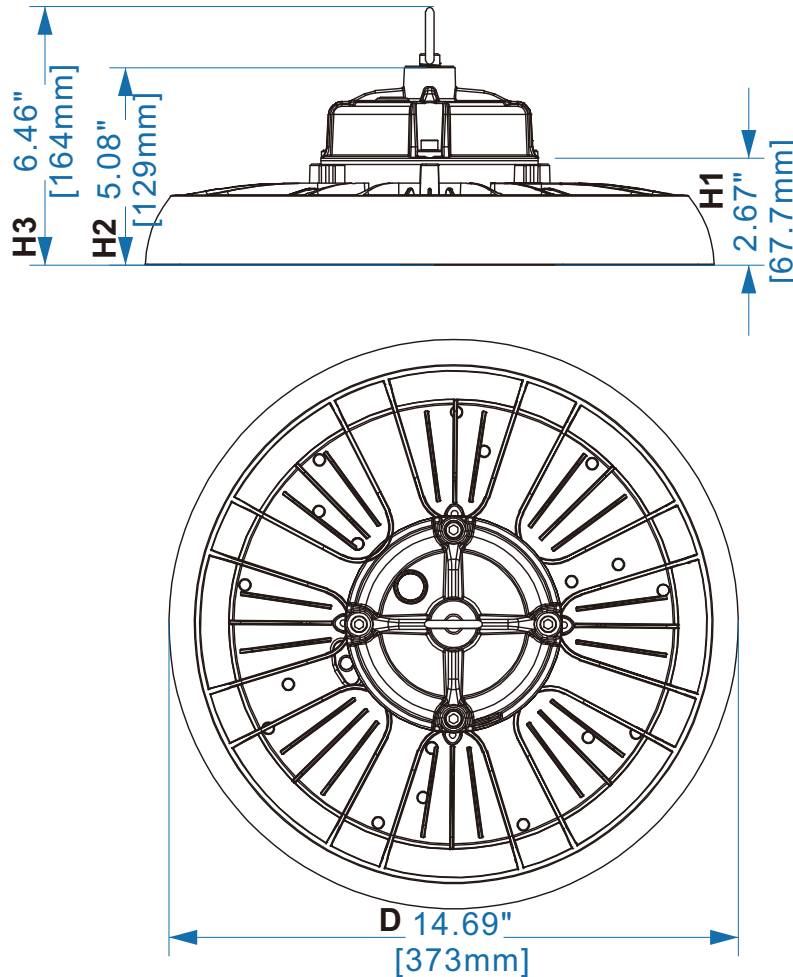
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Mechanical Drawing

Wire Function	- Color (Polarity)	Wire Length
Input Cable (SJOW 3*18AWG)	BLK (L) / WHT(N) / GRN (G)	17.7" ± 0.4"
DIM Cable (UL21996 3*22AWG)	PUR (DIM+) / PNK (DIM-)	17.7" ± 0.4"



240W Highbay

	D	H1	H2	H3	N.W. w/ Driver
240W	14.69" [373mm]	2.67" [67.7mm]	5.08" [129mm]	6.46" [164mm]	6.79lb [3.08kg]

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Accessories Options

Fulham Part Number:
Sensor: ELMOPUX00LR
Remote Control: ELMOPLX00SR-RM



Occupancy/ Daylight Harvesting
Sensor

Fulham Part Number:
VLC-UHB1-REFL-001



Alu Reflector

Fulham Part Number:
VLC-UHB1-UB-001



U Bracket

Fulham Part Number:
FHSB-347-40W-D



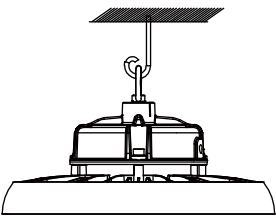
Emergency Driver

Fulham Part Number:
VLC-UHB1-SR-001

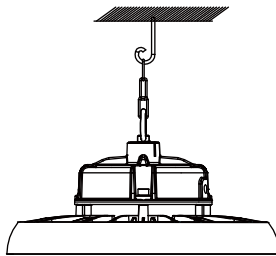


Safety Steel rope

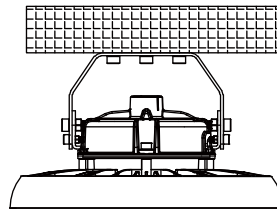
Installation Method



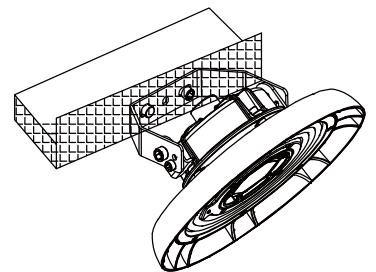
Hook Mounted



Chain Suspended



Roof Suspended



Wall Mounted



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Accessories (Sold Separately)

Occupancy/ Daylight Harvesting Sensor: ELMOPUX00LR

IR Remote Control: ELMOPLX00SR-RM

E	L	M	OP	U	X	00	LR
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 & Daylight Harvesting Sensor	U = UFO High-Bay	X = None	00 = None	LR = Long Range

Specifications	
Input	DC 12V, 8mA, 0.1W
Dimming	0-10V, dim-to-off
Detection Range	40-80ft
Mounting Height	20-40ft
IR Remote Distance	Max. 26ft
IP Rating	IP66
Operating Temperature	-22°F to 158°F (-30°C to 70°C)

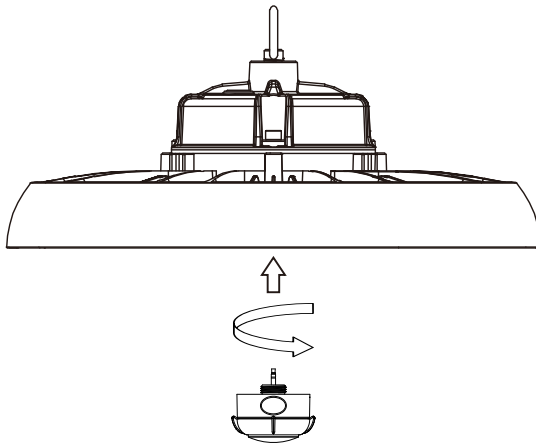


Installation:

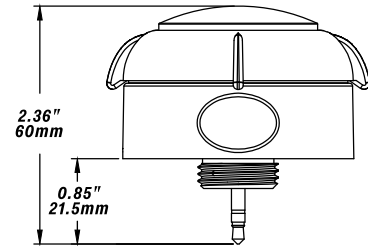
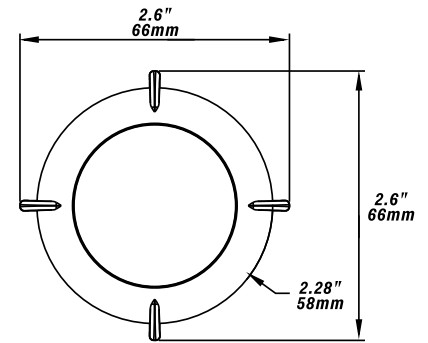
Step1: Remove the sensor hole cover from the center of the luminaire.



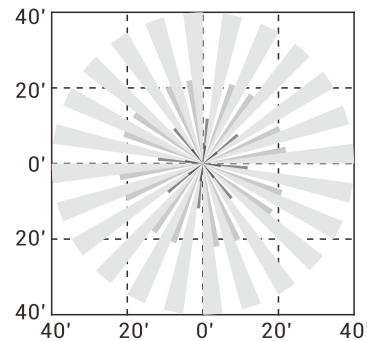
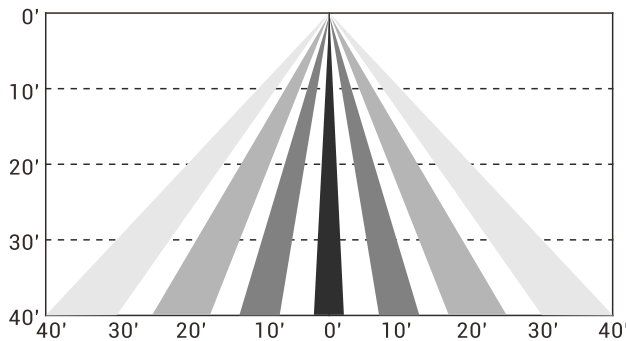
Step2: Insert and screw in the sensor into the sensor hole, and make sure it is secured properly.



Coverage Side View



Coverage Top View



Height 40ft



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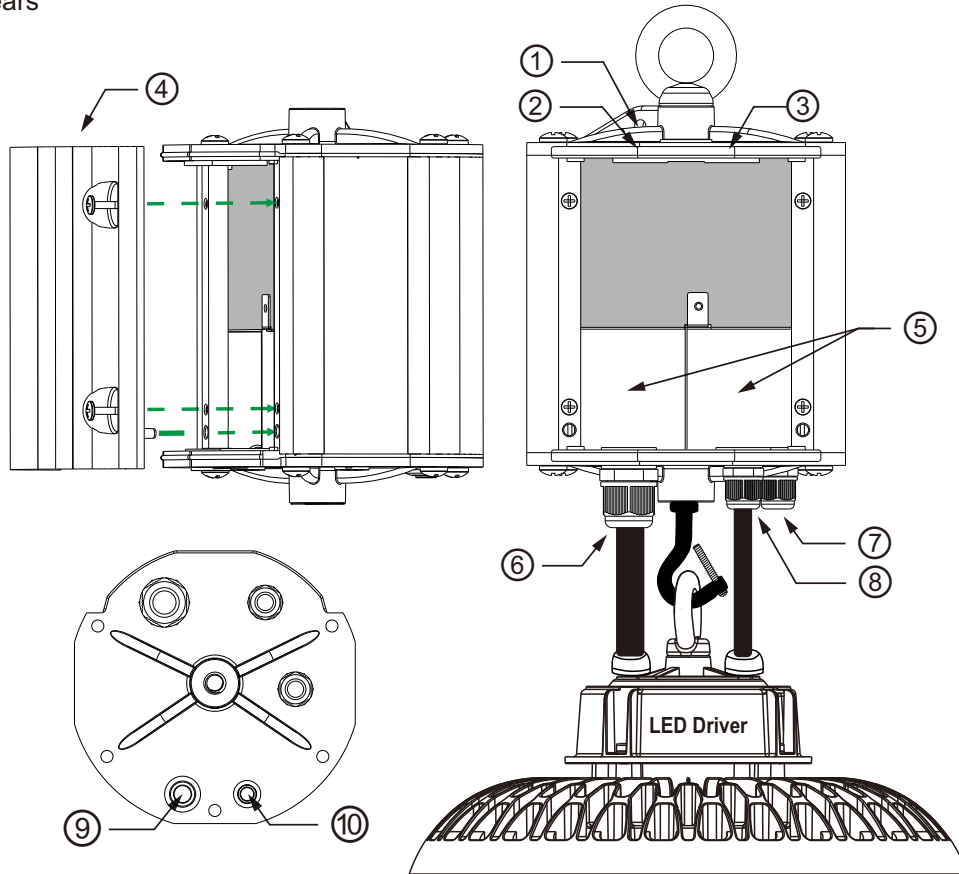
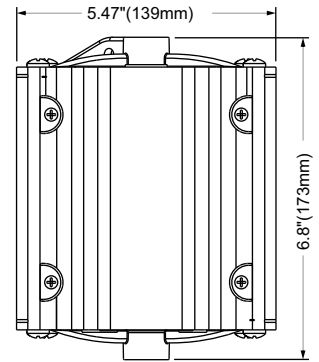
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Emergency Option: Fulham Part Number: FHSHB-347-40W-D

- UL924 Listed for US and Canada
 - Constant Emergency Power 40W
 - CEC Title20 Compliance
 - Self-Testing
 - Remote Control Testing upto 98ft (optional)
 - Wiring to LED Driver's Input
-
- Input Voltage: 100-347VAC, 50/60Hz
 - Input Current: 200mA Max.
 - Output Voltage: 170VDC
 - Recharge Power: 12W
 - Recharge Time: 24Hrs
 - Discharge Time: 90 Min.
 - Warranty: 5 Years
 - Battery: Li-ion



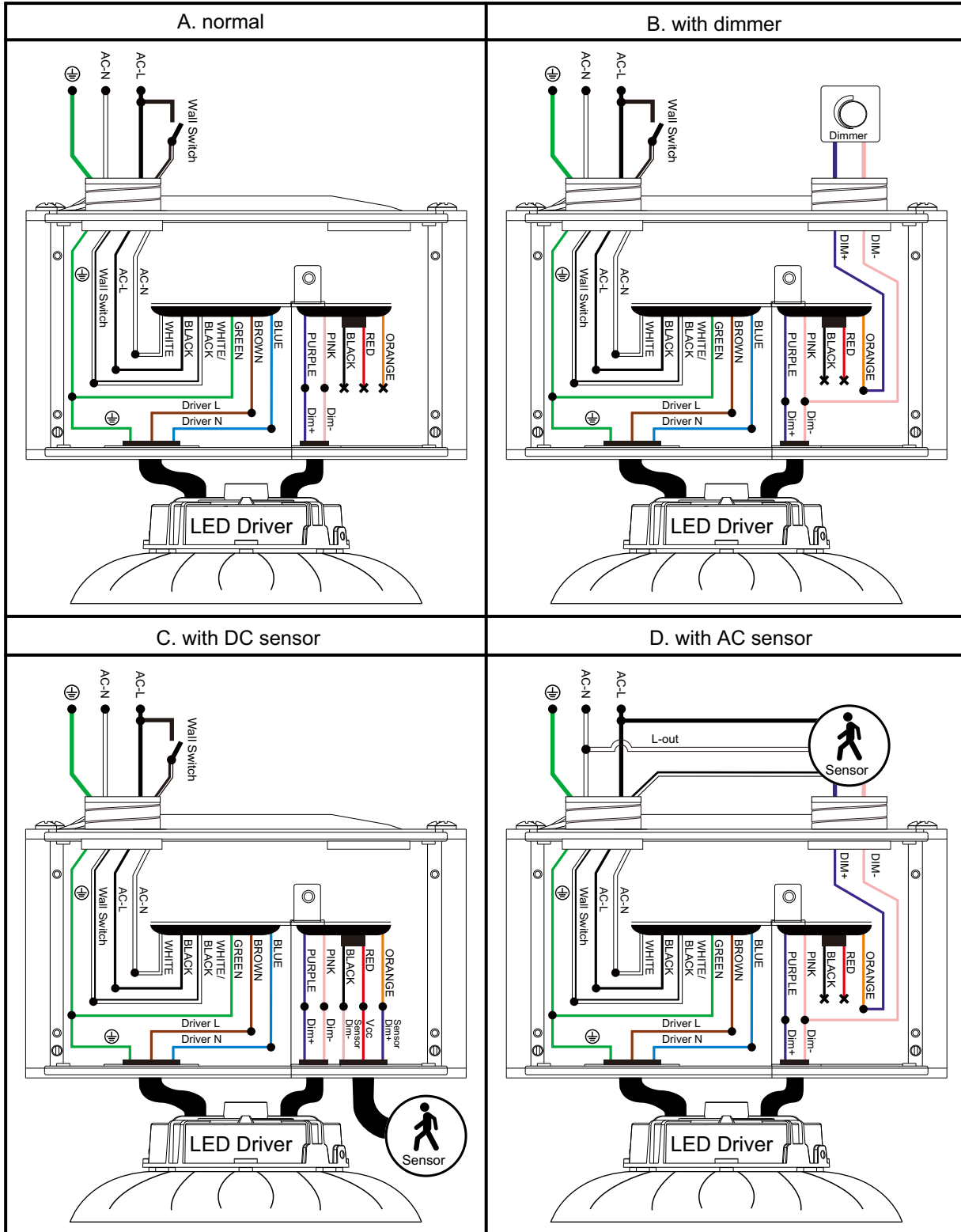
① Safety rope interface	⑥ LED Driver input wire
② AC input wire interface	⑦ Sensor wire interface
③ Dimming wire interface	⑧ LED Driver dimming wire
④ Integrated junction box cover	⑨ Charge Indicator & Test switch
⑤ Junction box	⑩ Signal receiver



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Emergency Wiring Diagram

Note: The LED fixture must be integrated with 0-10V driver, when LED fixture power is more than Emergency backup unit power.





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Guidelines

Instruction Sheets

- Refer to Instruction Sheet for detailed Step by Step Installation.

Environmental Rating

- Rated for Wet locations.

Electrostatic Sensitive Product (ESD)

- Fulham LED products should be handled with proper measures to protect against any potential ESD damage.
- When servicing, personnel should be ground and direct contact with LED should be avoided.

Wiring

- Intended for Universal Voltage (UNV 120-277VAC) application.
- Connect the Black wire from the Luminaire to the building Line by using the proper connectors or wire nuts.
- Connect the White wire from the Luminaire to the building/source Neutral by using the proper connectors or wire nuts.
- Luminaire must be grounded.

Parts & Accessories List

Type	Description	Fulham Part Number
LED Driver	Black, 240W	HHCC-1M2UNV1200-240D-AFC
	White, 240W	HHCC-1M2UNV1200-240D-AFC-W
Emergency Driver	40W, 90min EM	FHSHB-347-40W-D
Optional Lens	60 deg.	VLE-OPT-UHB1-060C
	90 deg.	VLE-OPT-UHB1-090C
	120 deg.	VLE-OPT-UHB1-120C
Optional Control	PIR Sensor	ELMOPUX00LR
	Remote Control	ELMOPLX00SR-RM
Other Accessories	U Bracket	VLC-UHB1-UB-001
	Safety Rope	VLC-UHB1-SR-001
	Aluminum Reflector	VLC-UHB1-REFL-001



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Part Number Matrix

V G M UNV 240 HB 8 4065 B-90D

Brand	Category	Dimming Type	Input Voltage	Input Power	Product Type	CRI	CCT	Housing Color	Beam Angle
V = VividHorse	G = LED Fixture	M = 0-10V	UNV = 120-277VAC	240 = 240W Max. (240/200/150W Selectable)	HB = High-Bay	7 = 70CRI 8 = 80CRI	4065 = 4000K-6500K CCT Selectable	B = Black W = White	60D = 60 Deg. 90D = 90 Deg. 120D = 120 Deg.

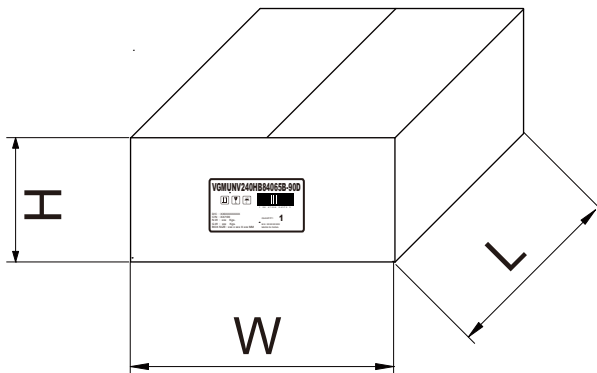
Ⓞ Standard Product Offering. (All other options are made to order with MOQ and lead time)

Product Image



Packaging

Master Carton



OUTER DIMENSION		
L	W	H
16.73"(425mm)	16.73"(425mm)	6.69"(170mm)
Net Weight	Gross Weight	QUANTITY
6.79 lbs. (3.08kg)	8.38 lbs. (3.8kg)	1pc.