

Project : _____
 Type : _____
 Drawn by : _____
 Catalogue No. : _____
 Date : _____



Specifications

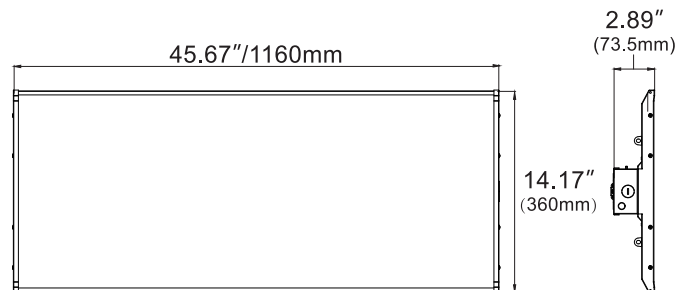
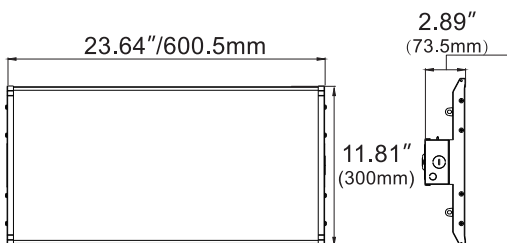
	Model No.	□ VO-LHW160FT2-347-3WAY-D-S	□ VO-LHW220FT4-347-3WAY-D-S	□ VO-LHW220FT4-347-3WAY-D-S-EM	□ VO-LHW220FT4-10Y-347-3WAY-S	□ VO-LHW300FT4-347-3WAY-D-S
General	Watts	160/110/80W	220/160/110W	220/160/110W	220/160/110W	300/220/160W
	Size	2ft	4ft	4ft	4ft	4ft
	Lumen	22400/15400/11200	30800/22400/15400	30800/22400/15400	30800/22400/15400	42000/30800/22400
	CCT	3500K/4000K/5000K	3500K/4000K/5000K	3500K/4000K/5000K	3500K/4000K/5000K	3500K/4000K/5000K
	Volts	120-347V	120-347V	120-347V	120-347V	120-347V
	CRI	80	80	80	80	80
	Beam Angle	120°	120°	120°	120°	120°
	Hours Rated	50000h	50000h	50000h	100000h	50000h
	Min Compartment Size	23.64"*11.81"*2.89"	45.67"*14.17"*2.89"	45.67"*14.17"*2.89"	45.67"*14.17"*2.89"	45.67"*14.17"*2.89"
	Electrical	Operating Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Power Factor		>0.9	>0.9	>0.9	>0.9	>0.9
Operating Position		Vertical Only	Vertical Only	Vertical Only	Vertical Only	Vertical Only
Surge Protection		10KV	10KV	10KV	10KV	10KV
Operating Temperature		-40°F~113°F	-40°F~113°F	-40°F~113°F	-40°F~113°F	-40°F~113°F
Physical	Housing Color	White	White	White	White	White
	Weight(Kg)	2.95	6.64	6.64	6.64	6.64
Additional Information	Additional Info	IP20	IP20	IP20	IP20	IP20
	Rated For Inclosed Fixture	N/A	N/A	N/A	N/A	N/A
	Warranty	5 years	5 years	5 years	10 years	5 years
Compliance	Safety Listing	cUL	cUL	cUL	cUL	cUL
	Location Rating	DAMP	DAMP	DAMP	DAMP	DAMP
	Energy Star	N/A	N/A	N/A	N/A	N/A
	DLC Approved	5.1 Premium	5.1 Premium	No	5.1 Premium	5.1 Premium
	DLC ID	S-YRQ5IN	S-QAMBLJ	No	S-4WQ9LP	S-7J8QG3

Features & Specifications

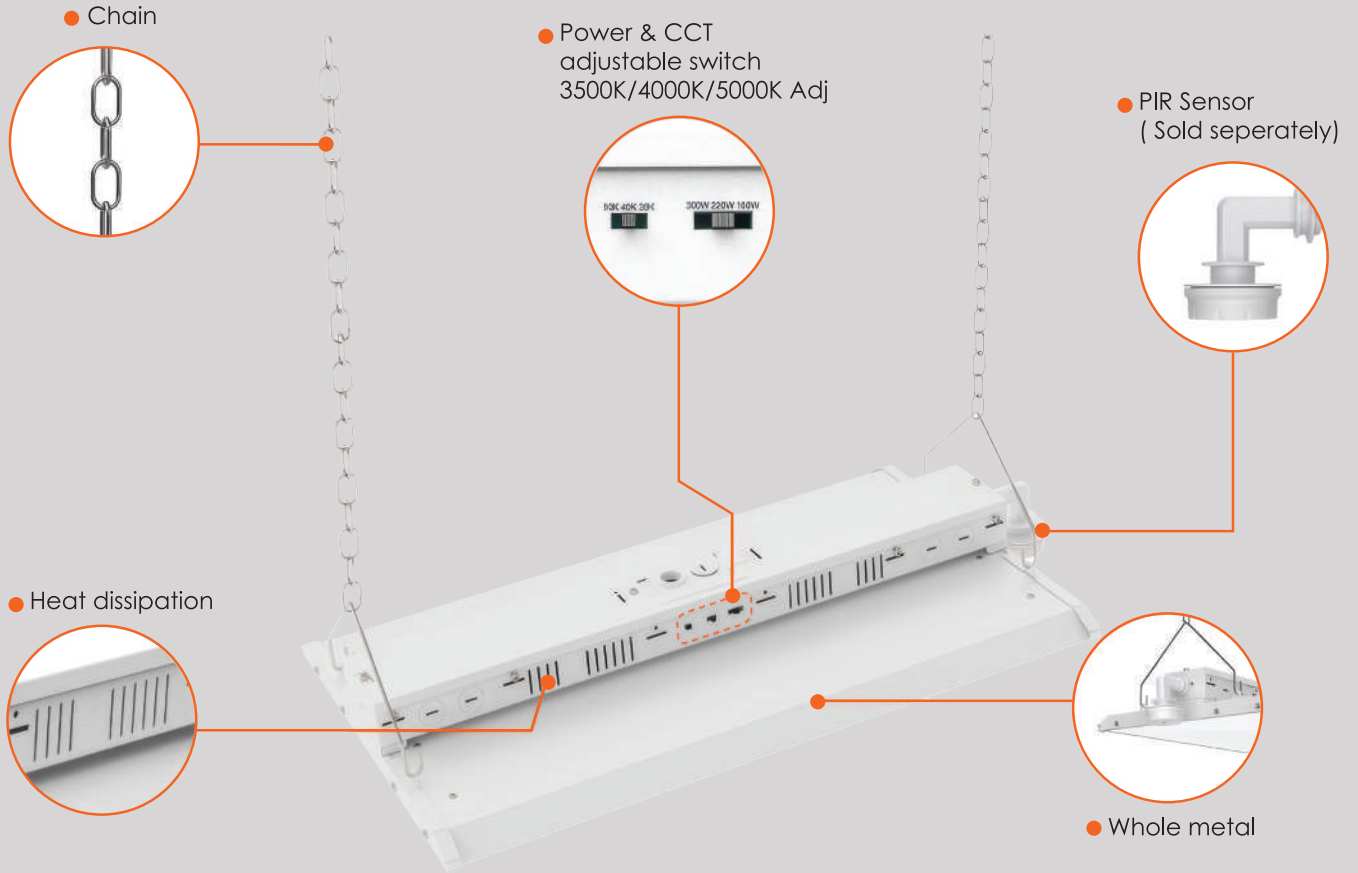
Construction	<ul style="list-style-type: none"> • Rugged galvanized rolled iron plate housing, better cooling, light quality, LED Tj < 8 • External sensor with option • Emergency with option • 12Vdc auxiliary dimming
Mounting	<ul style="list-style-type: none"> • Chain Installation & Pendant Mount Installation & Surface Mount Installation
Performance Data	<ul style="list-style-type: none"> • Available in 3500K/4000/5000K selectable color temperature • Electrical ratings: 120-347 V • 0-10 V dimming driver. Dimming cables included • 10kV surge protection • Operating temperature : -40°F~113°F
Compliances	<ul style="list-style-type: none"> • cUL certified for damp locations • IP20 • DLC Premium

Dimensions & Weights

Model	2ft	4ft
Length in.(cm)	23.64"	45.67"
Wide in.(cm)	11.81"	14.17"
Height in.(cm)	2.89"	2.89"
Net Weight lbs.(Kgs)	6.5LBS (2.95KG)	14.64LBS (6.64KG)



Product Details



Occupancy Sensor (Optional)

Part Number	Position	Detection Area (%)	Technology	Height (Ft)	Time setting (Min)	Light control (Lux)	IP rating	Temperature (°C)
DC Sensor	External sensor	20%/50%/75%/100%(1-8m)	PIR Sensor	10m Max	10S/1min/5min/10min/ 15min/20min/30min /60min	24H/10LUX/ 30LUX/50LUX	IP65	-20°C~+60°C (-4°F~+140°F)

Note: Warm up time is 40seconds. After the sensor connects input power first time, the light will keep on 40seconds then go to dimming to work normally.

Pre-Set: Detection Area : 100%
 Hold Time : 5min
 Stand-by Period : 60min
 Stand-by Dim Level : 30%
 Daylight Sensor : Disable



PIR Sensor

Occupancy Emergency (Optional)

Part Number	Position	Battery Charging Current	Battery	Emergency Time	Charging Time	Input voltage	Output emergency Power	Temperature (°C)	Output current & Voltage	Battery protections
Li-ion battery	built in	< 250mA	12.8V/3000mA	1.5H	24Hours	24H/10LUX/ 30LUX/50LUX	24H/10LUX/ 30LUX/50LUX	IP65	-20°C~+60°C (-4°F~+140°F)	over charge protection/over discharge protection

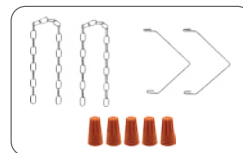
With M12 test and indicator light, the lead wire length is 350mm.

AC Operation: AC power is present,The LED load from the LED driver is normal power supply, AC LED driver output current can not exceed 150W or 4A,the emergency driver is charging in a standby mode,The red LED light on to indicate that it is charging.

Emergency operation: When the AC power goes out, The emergency driver detects the AC power outage and automatically switch to the working emergency mode.The red LED light off.When the AC power is restored,the emergency driver backs to AC power working and starts re-charging, the red LED light on.

Accessories

Order Code	Order Option
Remote Control	Order seperately
Sharkward Plug & Play PIR Sensor + L bracket	Order seperately
Chain/V-Hook/Wire cap	Included
Surface mount kit	Order seperately
Pendant Kit	Order seperately



Chain/V-Hook/Wire cap



Surface mount kit



Pendant Kit



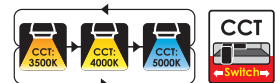
Sharkward Plug & Play PIR Sensor + L bracket



Remote Control

Lumen Details

Model No.	Power	3500K		4000K		5000K	
		Lumen Output (LM)	Efficiency (LM/W)	Lumen Output (LM)	Efficiency (LM/W)	Lumen Output (LM)	Efficiency (LM/W)
VO-LHW160FT2-347-3WAY-D-S	80W	13251.4	162.83	13541.8	170	13193.1	162.3
	110W	17078.4	155.89	17769.4	166.37	16964.1	154.96
	160W	22973	143.23	24594	158	23088.1	142.93
VO-LHW220FT4-347-3WAY-D-S	110W	18300	163.4	18862.2	172.1	18015.3	162.3
VO-LHW220FT4-347-3WAY-D-S-EM	160W	24961.2	156.8	26810.2	168.3	24987.2	155.2
VO-LHW220FT4-10Y-347-3WAY-S	220W	31270.4	147.52	33475	162.66	31462.7	147.18
VO-LHW300FT4-347-3WAY-D-S	160W	26837.9	164.38	27477.9	172.4	26389.1	161.54
	220W	34906.3	157.91	35762.1	167.59	33637.5	153.31
	300W	42503	141.91	46354.3	159.83	42965.1	143.19



Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice. Please contact your Votatec customer service representative to confirm inventory levels at time of order

