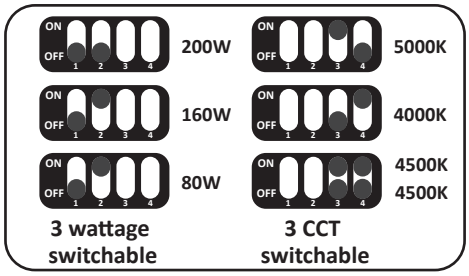
VF2 SERIES NSF/ANSI2 FOOD ZONE LINEAR HIGHBAY

Project:	
Type:	
Catalog #:	

Color Changing High Bay

FEATURES

- **High performance LED LUXEON SMD**
- Lumen output 12,000 to 45,000 lumens
- Efficacy Up To 150lm/W
- LED Lifespan> 50,000 hours (Ta=30°C @L70).
- CCT: 3000K 4000K 5000K 6000K (5000K standard).
- Aluminum alloy (AL6063) housing with white epoxy powder coat finish standard (Unpainted AL6063 available)
- 0-10V dimming. 80W-200W uses single driver, 300W uses double drivers.
- Consult factory for custom cord and wiring options. Fixture comes standard with 3ft whip and IP69K waterproof connector.
- Polycarbonate lens - safe for food processing applications.
- External PIR sensor (IP65) and motion sensor options available.



MECHANICAL

- Robust AL6063 housing withstands harsh industrial environments.
- Stainless Steel suspended mounting cable and surface mounting brackets options available.
- Standard with mounting loops for chain hanging.
- Achieves -40C-55C ambient rating. Good for cold storage and high heat applications.

ELECTRICAL

- 100-277V Standard. 200-480V available
- 3000K, 4000K, 5000K, 6000K CCT available
- Up to 150lm/W

CONTROL OPTIONS

- Unit mounted dipswitches - CCT and wattage tunable
- Phone app/BlueTooth - TUYA: CCT and dimmable
- ZIGBEE - WiFi Gateway (contact factory)
- Rockwell PLC Control (contact factory)

WARRANTY AND LISTING

- UL 1598-2008
- **DLC premium**
- **IP69K rated**
- **NSF/ANSI 2 (approved for food zone non-contact, splash zone, and non-food zone)**
- **1500psi hosedown**
- **-40°C to 55°C Cold Storage/High Temp (contact factory for 65°C)**
- 5 year warranty @ 24 hour operation

ORDERING INFORMATION

SERIES	WATTAGE	VOLTAGE	CCT	CRI	OPTIC	DRIVER	ACCESSORIES
VF2	8 = 80W	LV = 120-277V	S = 3000K	7 = 7 0	15°	D* = Dimmable	CL** = Cable Length
	12 = 120W	HV = 200-480V	I = 4000K	8 = 80	25°	ND = Non Dimmable	MS***= Motion Sensor
	16 = 160W		C = 5000K		40°		PIR = Passive Infrared Sensor
	20 = 200W		K = 6000K		60°		CT= Color tuning driver
	30 = 300W		N = 4K,45K,5K Tunable		90°		SM= Surface mount (no loops)
	WT = 80W,160W,200W Tunable				120°		AH= Aluminum Housing no paint
					30° x 15°		3/4" Conduit Hub
					49° x 21°		DS = Dipswitch
					136° x 78°		ZT = ZIGBEE
							RP = Rockwell PLC Control

*Adds dimming wire to top

**Specify cable length.

***Only IP65

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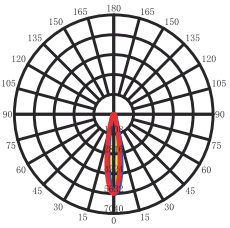
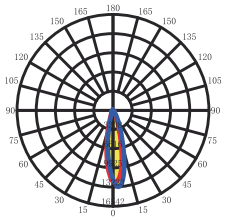
TECHNICAL PARAMETERS

Power	80W	120W	160W	200W	300W
Input Voltage	AC100-277V/AC200-480V, 50/60HZ				
Power Factor	>0.95				
Working Temperature	-30ºC~45ºC				
Lumen Efficacy	150lm/w				
Lumen	12000 lm	18000 lm	24000 lm	30000 lm	45000 lm
Color Temperature	3000K-6500K				
Beam Angle	15°/25°/40°/60°/90°/120°/30°X15°/49°X21°/136°X78°				
CRI	Ra>70/Ra>80				
Housing Color	White Aluminum				
Lifespan	>50.000 hours@L70				
Fixture Dimension	448*250*69mm	556*250*69mm			810*250*69mm

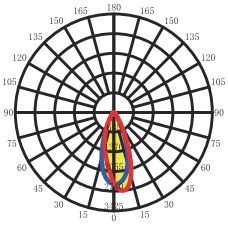
BEAM ANGLE



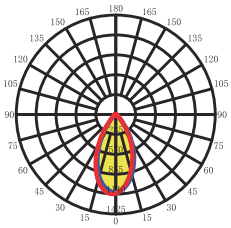
15°



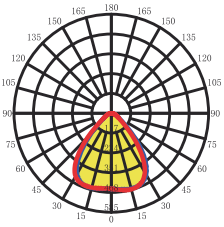
25°



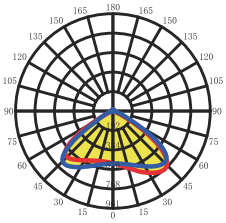
40°



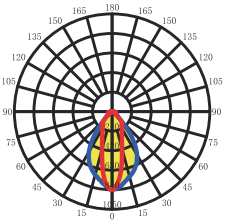
60°



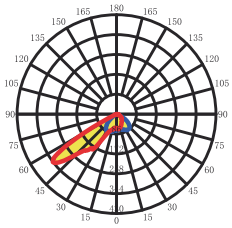
90°



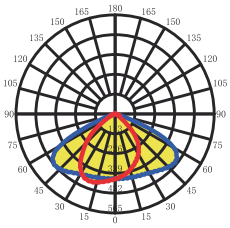
120°



30° X 15°

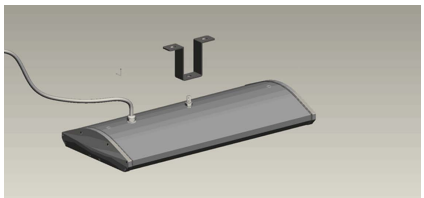


49° X 21°



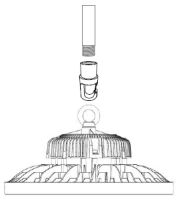
136° X 78°

Options:



Stainless Steel Surface mount bracket with power wire, no dimming

HANDHELD CONTROLLER



¾" Conduit-Mounted (VICOHBRSN-PSH-PRM)

Chain/hook mounting kit

CHMK-1

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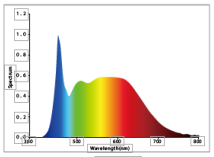
Linear Red Enhanced Lighting System provides a more uniform and continuous light pattern free of dark spots and shadows. Birds are less likely to be spooked or provoked by movement outside of the systems. As a result, these birds are noticeably less-stressed and calmer. This lighting system reduces electricity costs, decreases labor and maintenance costs, and increase flock performance.

Linear Red Enhanced Lighting has a deep red saturated light output with an added blue and green spectrum, benefiting the vision of the animals. The enhanced red spectrum is the only spectrum which stimulates a hen's hypothalamic and pineal oscillators, helping maintain circadian rhythms and promoting sexual maturity. It also stimulates the release of two reproduction regulating hormones essential for daily egg production.

SWINE LIGHTING SYSTEMS

These particular lighting systems are designed to provide exceptional light quality for both the swine herds and the humans caring for them. They are made with species-specific dim-to-red-calm technology and are suitable to be used in sow barns, gestation buildings, nurseries, gilt development unites, and finishing facilities. Our technology allows the lighting fixture to fully dim red, which swine perceive as darkness. This allows the red light to be used as a "service light," allowing workers to access the facility without disturbing or interrupting the sleep cycles of the animal.

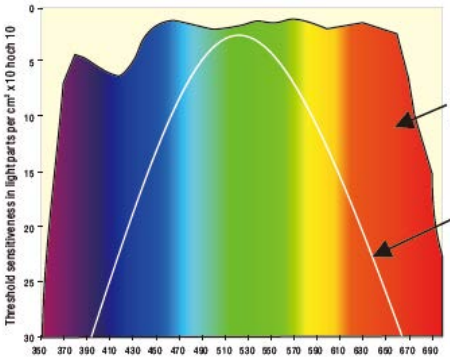


5500K

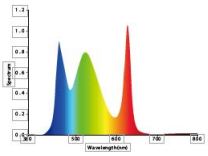
PRODUCTIVITY ENHANCEMENT

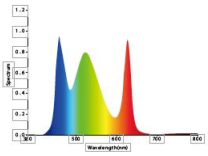
Under full spectrum plus dim to 0.2% technology, birds are calmer, less prone to run, not as jumpy, and consequently put more energy into growing.

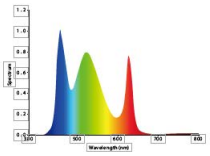
By having more red spectrum during brooding, LED lights promote early growth. Research tests and on-farm testing have both shown immediate changes in bird behavior and improved feed conversion ratios when the lights are dimmed to the lower levels of blue enhanced spectrum.



Poultry sight is sharp and more sensitive to light changes in intensity & wavelenth


Full spectrum at 100%


Full spectrum at 50%


Full spectrum at 10%

FME Lighting | 877-234-8460 | info@fmelighting.com

Specifications and dimensions subject to change without notice.