Lighting with Innovations

Interior Lighting

NVB Vega UFO High Bay

Project Details

PROJECT	
PRODUCT	
TYPE	
PREPARER	

DLC LISTED · UL · CE · 5 YEAR WARRANTY · °F OPERATING -22°F - 122°F · RoHS COMPLIANT · TITLE 24 CA Compliant

The VEGA UFO high bay is a great option for large commercial indoor facilities. Being that the light will be operating from a higher range. The VEGA high bay light comes in 60W, 80W 100W, 150W, 200W, and 240W (choice between 100-277vac and 277-480vac) with color temperatures of 3000K, 4000K and 5000K. This offers consistent brightness throughout the lamp's lifespan.

SPECIFICATIONS Product Features

Construction

- Die-Cast Aluminum housing
- Anti-static powder coat
- IP65 Rating
- Polycarbonate Lens
- Superior thermal management

Installation & Mounting

- Eye Bolt for Hanging (included)
- Surface Mount
- Yoke Mount

Controls & Dimming

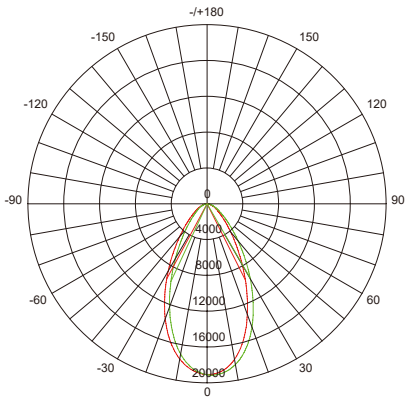
- 0-10 Volt Dimming
- 12 Volt AUX
- Bluetooth Mesh Control
- Bi-level Occupancy Sensor

PERFORMANCE Summary

Input Voltage	100-277V, 277-480HV
Input Frequency	50/60 Hz
Rated Wattage	60W-80w-100W (***Selectable***) 150W-200W-240W (***Selectable***)
Efficacy	155 lm/W
CRI	>70
Available CCT	3000K, 4000K, 5000K
Rated Life (L70)	100,000 hrs
IP Rating	IP65
PF	>0.95
Certifications	DLC, CE, RoHS, UL
Working Temp. (°F)	-40°F - 140°F
LED Light Source	SMD 3030 5050

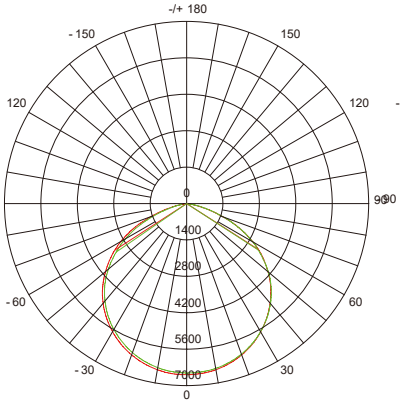
BEAM Angle

60 Degree



AVERAGE BEAM ANGLE(50%):55.1 DEG

120 Degree (standard)



AVERAGE BEAM ANGLE(50%):113.5 DEG

PERFORMANCE Data

MODEL	WATTAGE	LUMEN (CCT:3000)	LUMEN (CCT:4000)	LUMEN (CCT:5000)	EFFICACY (lm/W)	VOLTAGE
NVB-60W	60watt	9,029lm	9,154lm	9,243lm	155 lm/W	100-277vac
NVB-80W	80watt	12,254lm	12,344lm	12,434lm	155 lm/W	100-277vac
NVB-100W	100watt	15,027lm	15,328lm	15,624lm	155 lm/W	100-277vac
NVB-150W	150watt	22,542lm	23,148lm	23,392lm	155 lm/W	100-277vac
NVB-150W-HV	150watt	22,542lm	23,148lm	23,392lm	155 lm/W	277-480vac
NVB-200W	200watt	30,210lm	30,536lm	30,980lm	155 lm/W	100-277vac
NVB-240W	240watt	36,612lm	37,029lm	37,490lm	155 lm/W	100-277vac

*Lumen data based on by 5000K

ORDER Data

Sample: NVB-100W

SERIES	WATTAGE	CCT	VOLTAGE	OPTICS		FINISH*
NVB	60W-80w-100W	30 = 3000K 40 = 4000K 50 = 5000K	V = 100-277V HV = 347-480HV	60	90	WH = White BLK = Black (standard) SLV = Silver
	150W-200W-240W			120		

* contact the Nebulite sales team for turnaround time and pricing on finish color customizations

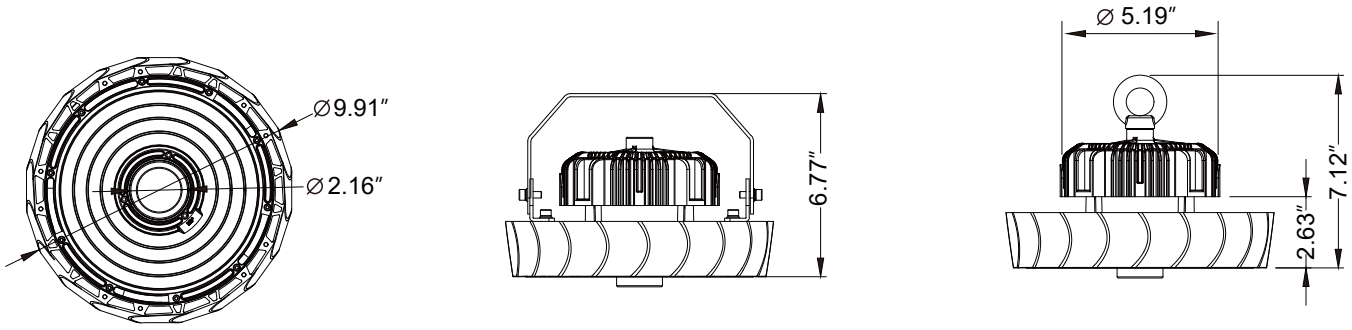
MOUNTING		OPTIONS	
EB	Eye Bolt Included	EM	Battery Backup
		PCR	PC Reflector 18”
UB	U Bracket	RBC	Bottom Cover
		MS	ANT-5-4

MOUNTING Options

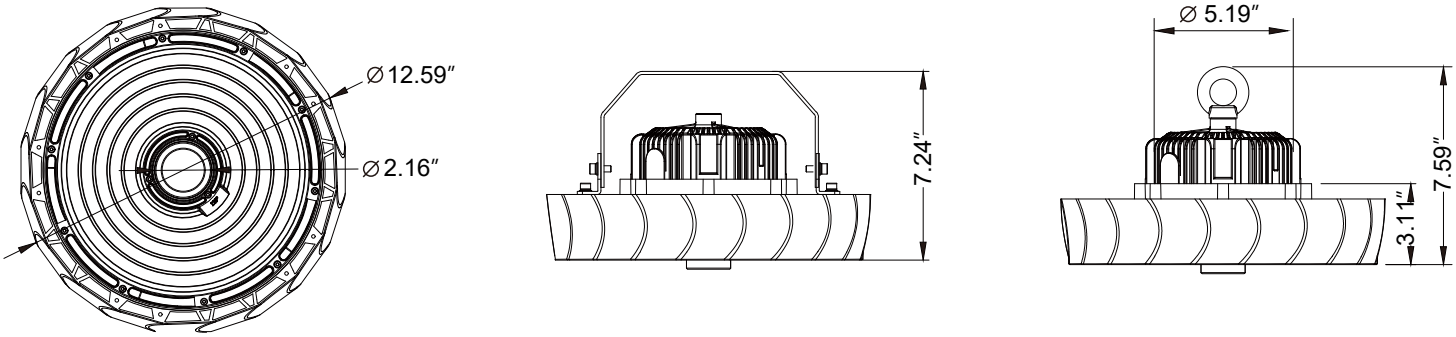
EB	UB	EM	PCR	RBC	MS
Eye Bolt Included	U Bracket	Battery Backup	PC Reflector 18"	Bottom Cover	ANT-5-4

DIMENSIONS

Product Size (in)
60w, 100w & 150w

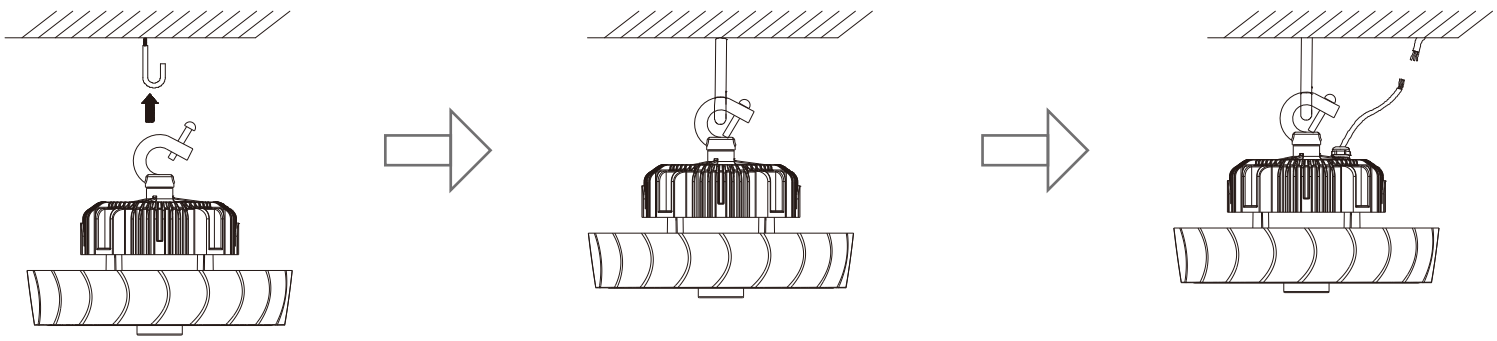


Product Size (in)
200w & 240w

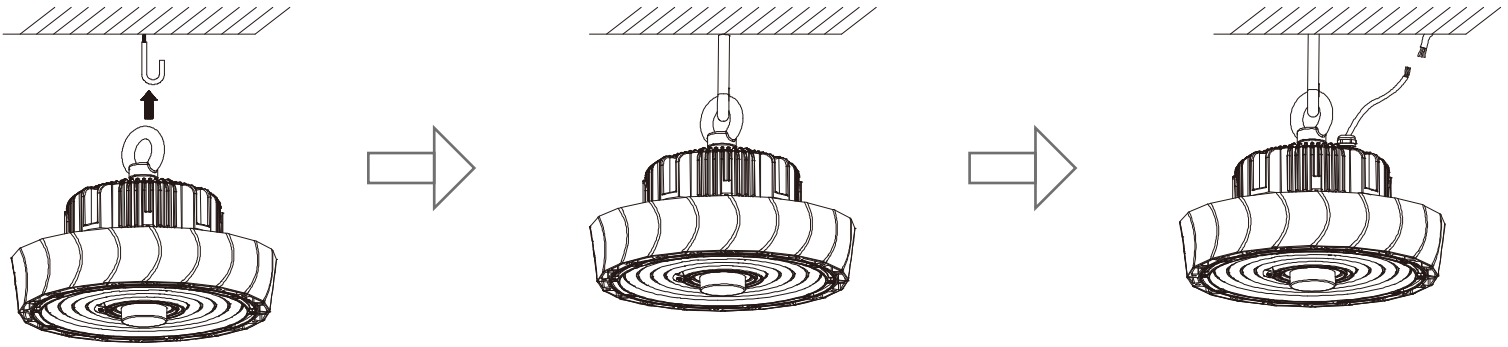


INSTALLATION

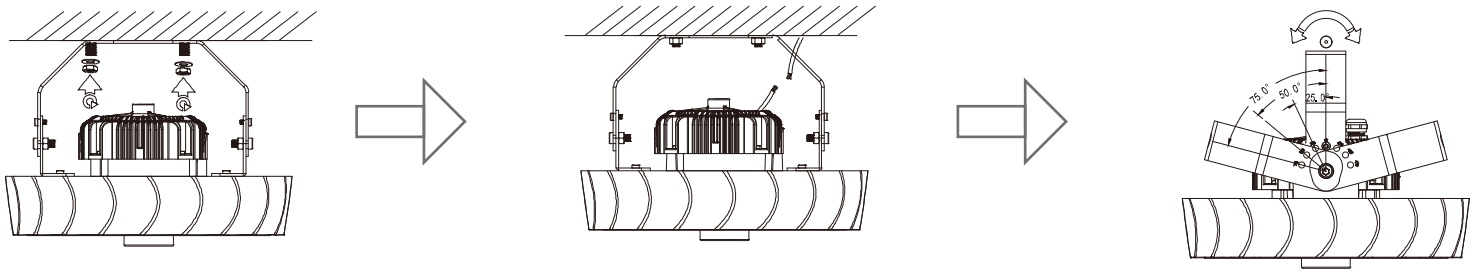
Hook Mount



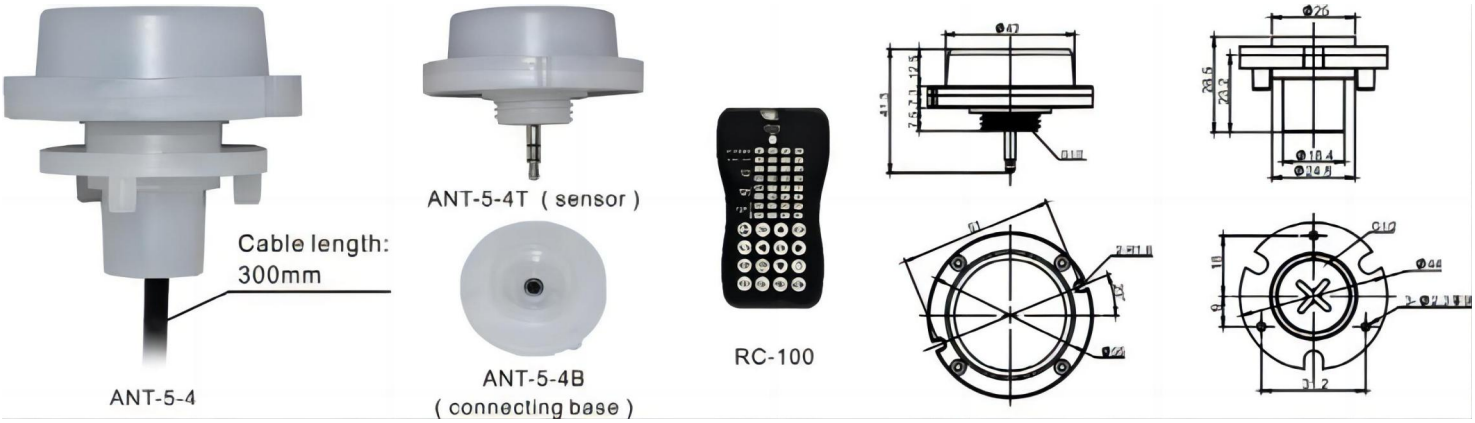
Eyebolt Mount



U-Bracket Mount



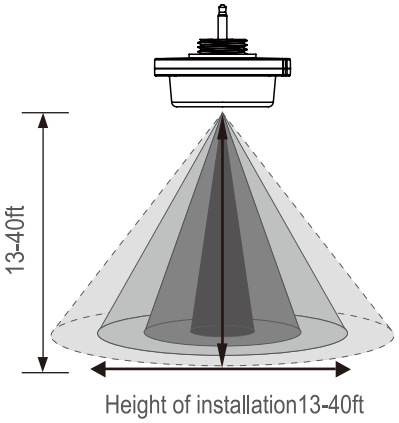
BI-LEVEL MICROWAVE SENSOR For High Bay Light ANT-5-4 Instruction

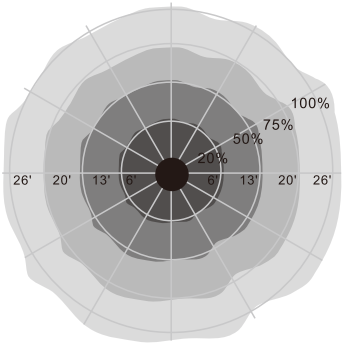


INTRODUCTION

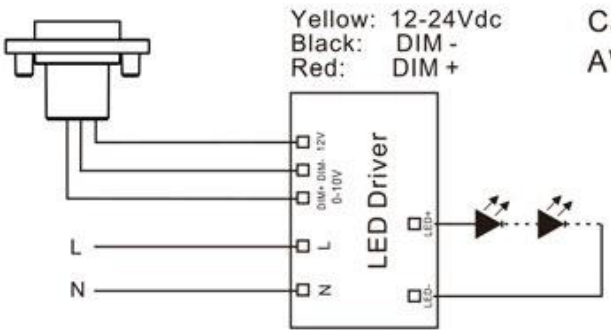
The ANT-5-4 is a motion sensor that dims lighting from high to low based on movement. This slim, low-profile sensor is designed for installation inside the bottom of a light fixture body. The sensors use microwave sensing technology that reacts to changes in movement within the coverage area. Once the sensor stops detecting movement and the time delay elapses lights will go from high to low mode and eventually to an OFF position if it is desired. Sensors must directly “see” motion of a person or moving object to detect them, so careful consideration must be given to sensor luminaire placement and lens selection. Avoid placing the sensor where obstructions may block the sensor’s line of sight.

SENSOR Coverage





WIRING Diagrams



Cable specifications:
AWM 2464 22AWG 80℃ 300V

SPECIFICATIONS

Operating Voltage	12-24Vdc
Max. Current Sink	50mA±5%
HF System	5.8GHz±75MHz
Transmission Power	<0.2mW
Dim Control Output	0-10V
Detection radius	20%/50%/75%/100% (1-8m)
Mounting Height Max 50ft.	(15 meters)
Time setting	10s/1min/5min/10min/15min/20min/30min/60min
Light-control	24H/10LUX/30LUX/50LUX
Temperature	-4°F — +140°F (-20°C — +60°C)
IP rating	IP65

⚠ **WARNING**

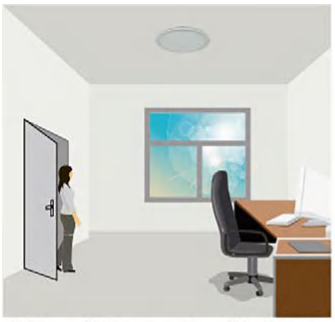
NOTE: Warm up time is 15seconds. After the sensor connects input power first time, the light will keep on 15seconds and then go to dimming to work normally.

NOTE: Factory Default Setting: 100% sensitivity, Hold on time: 5min, Daylight sensor is ☼, dimming level: 30% dimming time: 60minitues.

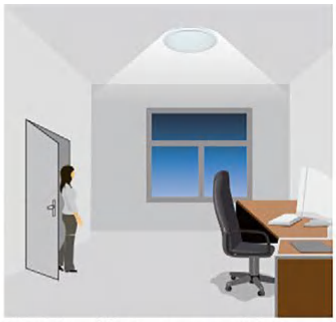
NOTE: Any setting changed by remote control, the LED light that sensor connect will on/off as confirm.

CORRIDOR Function

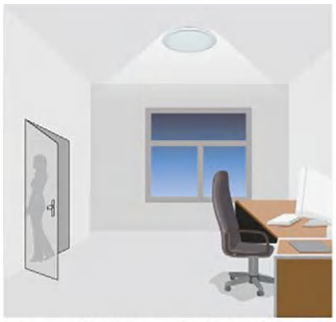
This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100°/0-->dimmed light (natural light is insufficient) -->off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable daylight threshold and freedom of detection area.



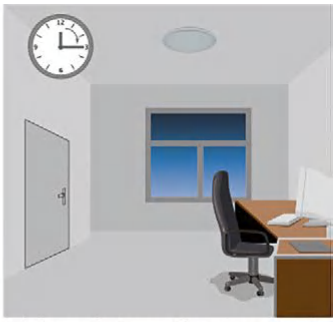
With suffcient natural light, the light does not switch on when presence is detected.



With insufficient natural light, the sensor switches on the light automatically when presence is detected.



After hold-time, the light dims to stand-by level if the surrounding natural light is below the daylight threshold.



Light switches off automatically after the stand-by period elapses.

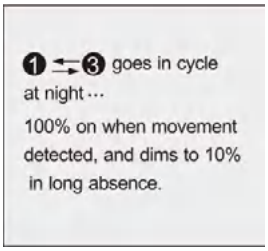
DAYLIGHT Sensor Fuction

The light switches on at 100% when there is movement detected.

The light dims to stand-by level after the hold-time.

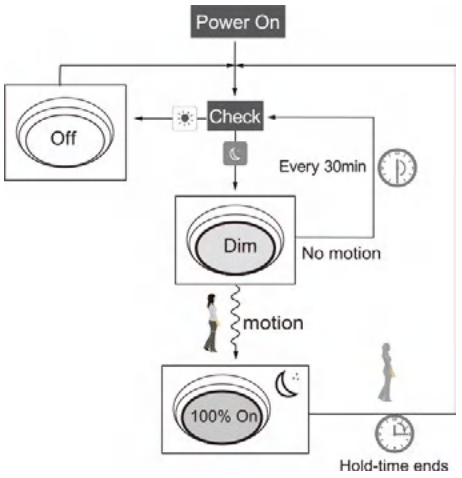
The light remains in dimming level at night.

Settings of this demonstration:
Hold-time: 30 min
Setpoint on: 50 LUX
Setpoint off: 300 LUX
Stand-by Dim: 10%
Stand-by period: +∞
(when the smart photocell sensor is open, the stand-by time is only +∞)



When the natural light level exceeds setpoint off to light, the light will turn off even if when the space is occupied.

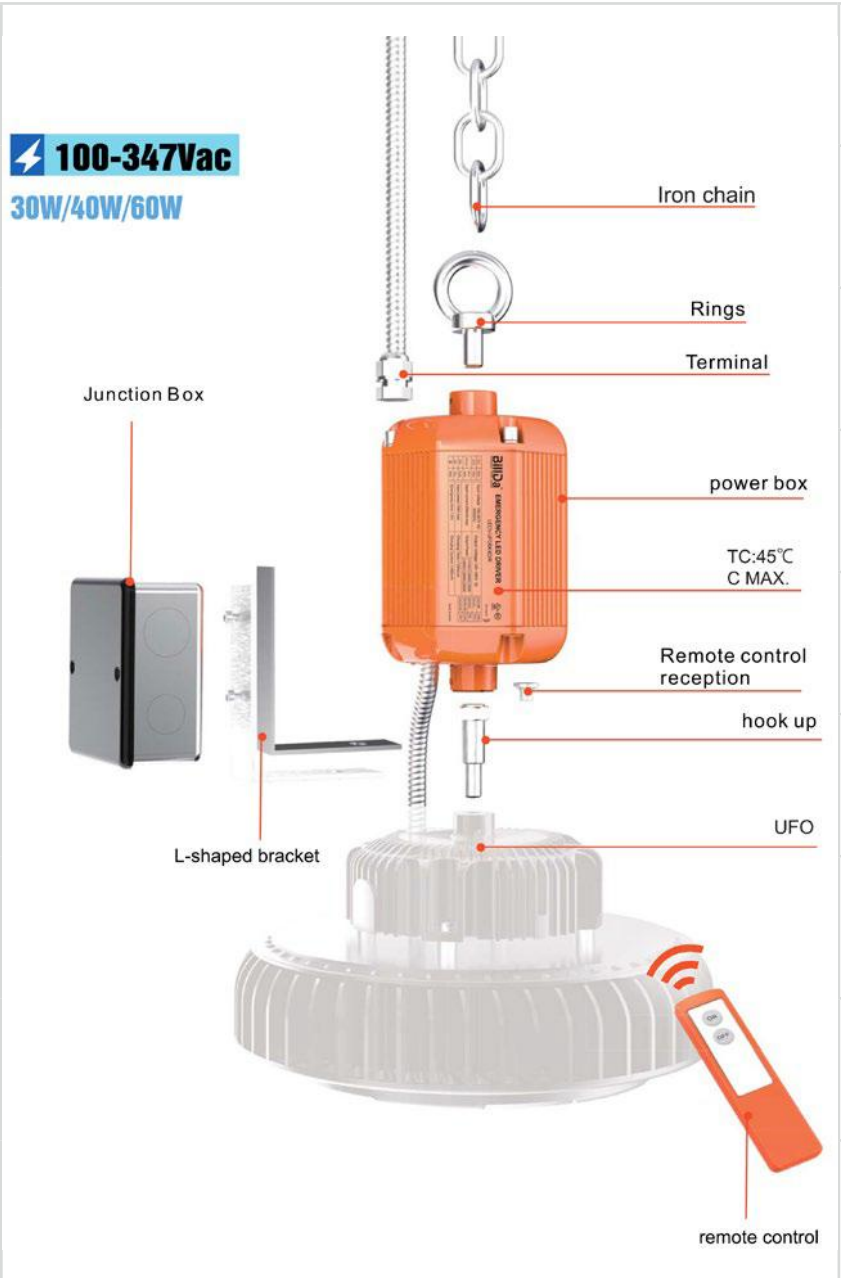
The light automatically turns on at 10% when natural light is insuffi-cient (no motion).



EMERGENCY Battery Back Up

The Billda UFOxxD/R Series LED emergency drivers are designed for use with UFO LED high bay fixtures with 0/1-10V dimmable LED drivers. It allows the LED UFO high bay to be used for both normal and emergency operation.

FEATURES



High output voltage DC175V, directly connect to LED driver AC input and dimming wires, simple wiring
Constant power output 30W/40W/60W
Universal input range, AC100-347V
Optimized design for UFO higbay fixture
Protection, Over-Voltage, Short-Circuit, Over-Load, Open-Circuit
Self-diagnostic every month and year
Wireless remote control for emergency test
UL listed for factory and field installation
CEC (CA tile20) and USA DoE Energy Efficiency

Specifications

Input Voltage	100-347VAC, 50/60Hz	Test Switch/Charging Indicator Light	Remote Control
Output Voltage	≤ 175DC	Battery	Li-ion Battery
Input Current	≤ 200mA	Charging Time	≥ 24 Hours
Input Power	15W	Output Power	□30W □40W □60W
Emergency Time	90 Minutes		
Warranty	5 Years	Weight	3.6 kg
Ambient Temp	0° - 50°C	Dimensions	297 | 3x142 | 5x1088 |2mm

EMERGENCY

The integrated self-diagnostic circuitry will automatically conduct monthly 30-min and annual 90-minute tests to verify proper emergency capability per Life Safety Code requirements.

Press the test button to cut the power to the AC driver and switch the system to emergency mode. Release NFPA 101, Life Safety Code outlines the following schedule.

Monthly - Insure that the test button light is illuminated. Conduct a 30 second discharge test by depressing the test button.

The LED load should operate at reduced output.

Annually - Insure that the test button is illuminated. Conducts full 90 minute discharge test. The unit should operate as intended for the duration of the test.

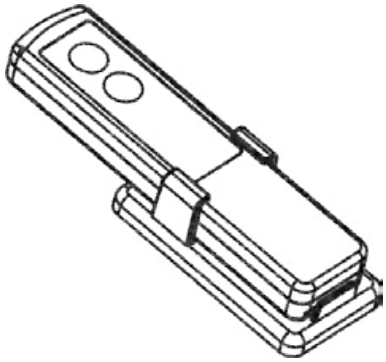
Written records of the testing shall be kept by the owner for inspection by the authority having jurisdiction.

OPERATING Instructions (Remote Control Instructions)

ON

Testing:

Press the ON button to test emergency function.The light will switch to its emergency lighting and the indicator light will turn off. Press the OFF button, the light will recover to normal lighting.
When mains supply is off(emergency mode), press the OFF button can turn off emergency function.

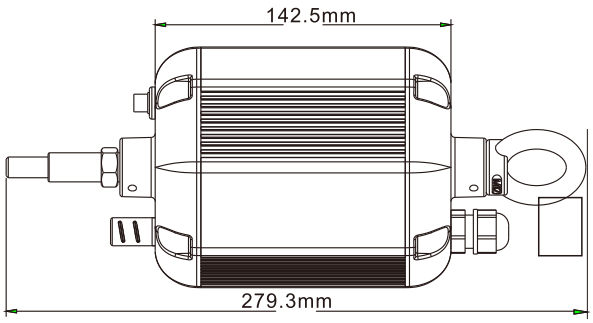


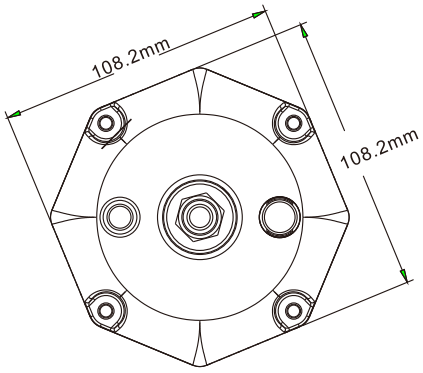
OFF

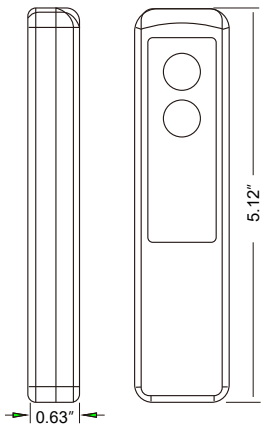
Please note:

Remote must be pointed at the indicator light and be within a 45 degree angle to receive asignal/command. Remote needs two AAA batteries to operate (not included).

SIZE

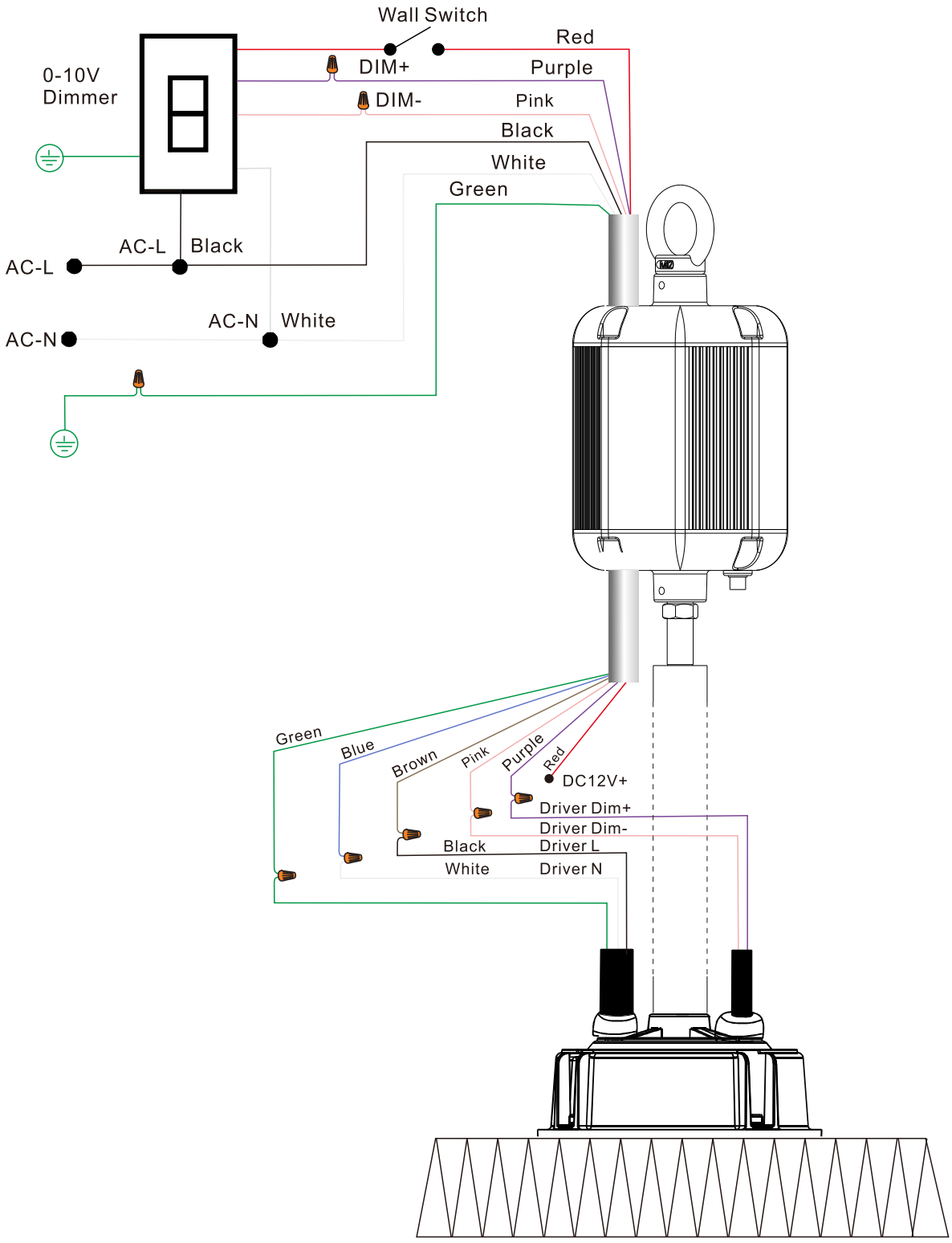






Note:
The Emergency LED drivers only work with 0/1-10V dimmable UFO LED highbays.

0-10V Dimmer Switch



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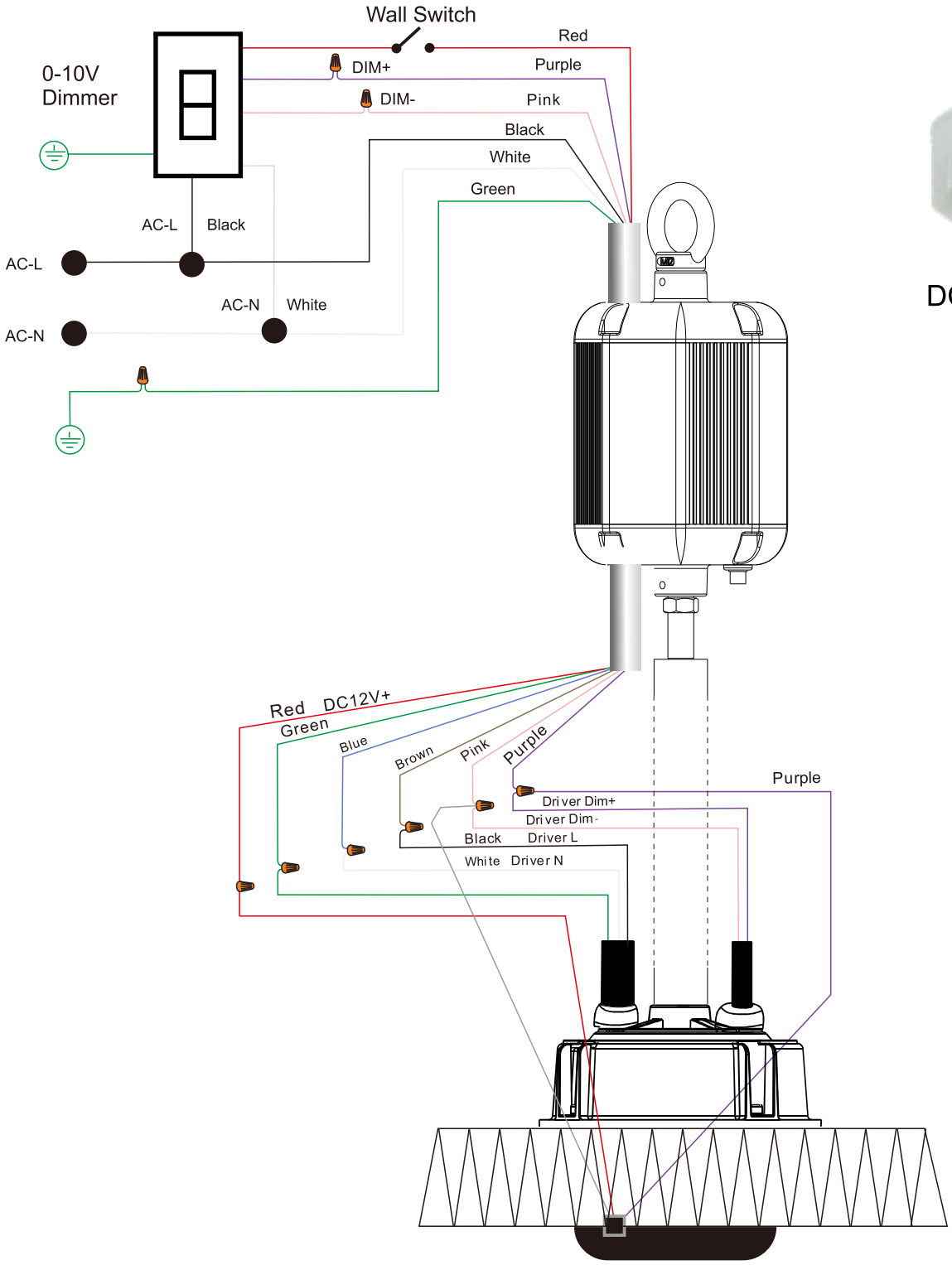
DC 12V Sensor + with/without 0/10V Dimmer Switch



DC12V Sensor