PIOLED LIGHTING
SINCE 2008

5 YEAR WARRANTY

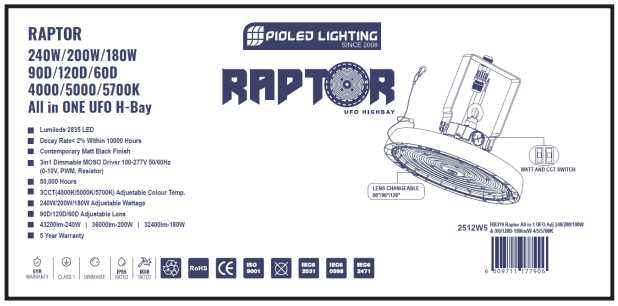
Raptor All in 1 Dimmable Highbay

240/200/180W

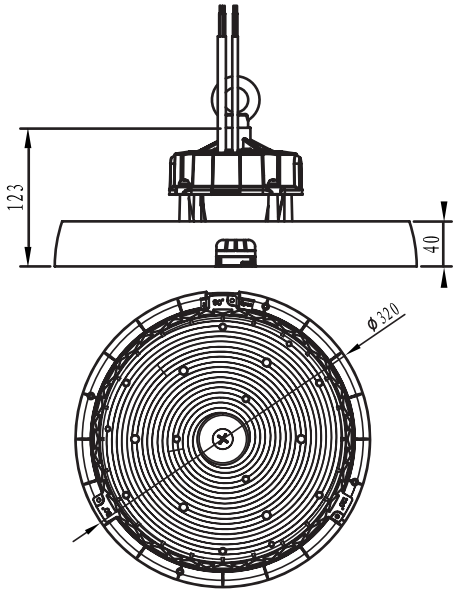
Applications: Industrial and Commercial Applications.

Product Performance	
Wattage	240/200/180W
Colour Temperature & Stock Code	4000/5000/5700K - **HB319**
Operating Temperature	-30~50°C
Life Span/ LB Rating	L80BIO@50000 hrs
IP Rating	IP65
LED Driver Brand	3 in 1 Dimmable Moso Driver
Beam Angle	60-90-120°
Impact Protection Grade	IK08
Input Voltage	90-305V
Surge Protection	6kV
Power Factor	0.9
CRI	>70
Lumen Efficiency	180-200lm/W
LED Chips	Lumiled 2835
LED Chips Qty	560
Dimmable	Yes 3 in 1 (0-10V, PWM, Resistor)
Dimmable Range	1-100%
Physical Characteristics	
Weight (g)	2200
Housing Material	Aluminium
Product Dimensions (mm)	320x122mm
Cable Length	0.3m
Mounting Option	Safety Cable /Hanging Hook/U Shape Bracket
Bracket Material	Iron
Bolts and Screws	304 Stainless Steel

Packaging



Dimension Drawing



Technical Parameters	
Input Current	1.04A@230V AC
Output Voltage	252V DC
Humidity	10-100%
Frequency	50/60Hz
In Rush Current	100A
Output Current	0.9A
THD	<10%
TA & TC	Ta: 45°C Tc: 85°C
IES (Yes or No)	Yes
Regulatory Qualifications	
Class Rating	Class I
Energy Efficiency	A
Certification	CE, RoHS, UL, DLC, IEC62031 and IEC60598
Accessories	
Optional accessories	U Bracket, Safety rope and Waterproof Gland included HB317a - Raptor 11-13VDC M-Sensor (3pins) 15M x100pcs HB317b - Remote for HB317a x 20pcs
Packaging info	
Storage Temp	-30~+50°C
Carton Size (mm)	700x500x355
QTY/CTN	4
Net Weight	8.4
Gross Weight	12.2

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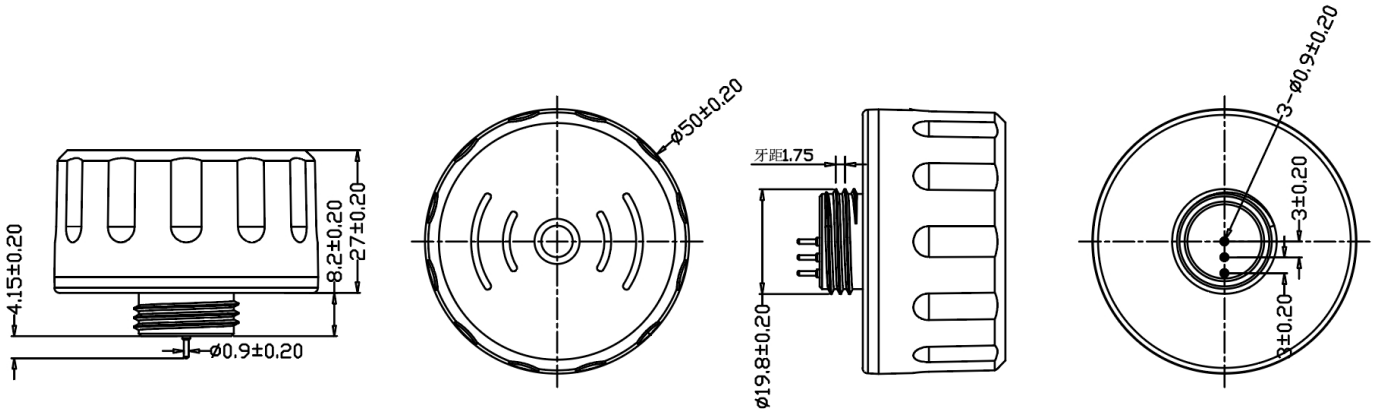
HB317a
Raptor 11-13VDC M-Sensor
(3pins) 15M x 100pcs

Raptor Accessories



Input	
Rated voltage	11-13VDC
Working current	<30mA
Ripple voltage	<100mVp-p
output	
Output signal	0 -10VDC dimming signal
Sensor parameters	
Working frequency	5.8GHz ±75MHz, ISM band
Transmitting power	3mW Max.
Daylight Sensor	5lux/15Lux/30Lux/50Lux/100lux/150lux/Disable
Dimming level	10%(1.4-1.6V) 20%(1.9-2.1V) 30%(2.9-3.1V) 50% (4.9-5.1V)
Detection range (radius)	Ceiling installation 10m high: 0.3m/s≥4m, 1m/s≥3m;
Installation height	10m (12m Max)
3db beam angle	82°@XZ plane
	95°@YZ plane
Environment	
Working temperature	-35~60℃
Storage temperature	-40℃~80℃, humidity ≤85% (non-condensing)

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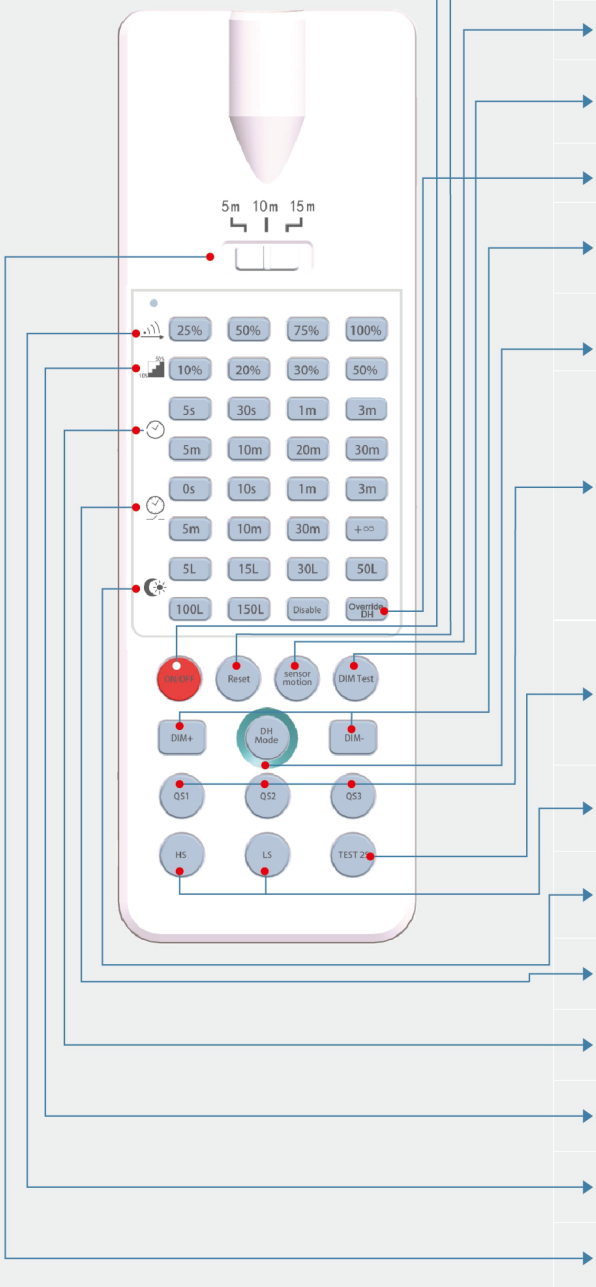
HB317b
Remote for HB317a x 20pcs

Remote Control Setting	Button	Remarks
	ON/OFF	Press the "ON/OFF" button, the load light enters the normal on/off mode, and the sensing function is disabled. In the normal on/off mode, the "DIM+/DIM-" function can be used to maintain the load light brightness after powering on again. In the normal on mode, the load light enter ON after powering on again. If the load light is OFF, the load light enter ON after powering on again
	Reset	Press “Reset" button, all parameters are same as factory settings.
	Sensor motion	Press "Sensor motion" button, the light quits from the normal on/off mode, and the sensor starts to work. (The latest setting stays in validity)
	DIM Test	N/A
	Override DH	N/A
	DIM + DIM -	Short press "DIM+/DIM-" button to set occupancy light level, the brightness of the load light adjusts at 5% per unit. Dimming range: 50%-100%. Note: In normal ON/Sensor motion mode, the maximum brightness can be set using this button.
	DH Mode	N/A
	QS1 QS2 QS3	Scence Options / Detection Area / Hold Time / Stand-by period / Stand-by dim level / Daylight Sensor / Induction way QS1: 100% / 5min / 10min / 10% / 30Lux / HS QS2: 100% / 10min / 30min / 10% / Disable / HS QS3: 100% / 20min / 30min / 10% / Disable / HS Note: The sensor parameters can be adjusted by pressing the corresponding button. When user press any button to change the sensor parameters, the last setting prevails. If the sensor doesn't have the function of the above parameters, that parameter is invalid. (Stand-by period and Stand-by DIM Level are not applicable to ON-OFF Sensor. Induction way is not applicable to low-mount sensor)
	TEST 2S	Press the "TEST 2s" botton can enter the test mode anytime. At test mode, the sensor parameters as below: Detection Area is 100%, Hold Time is 2s, Stand-by Dim Level is 10%, Stand-by Period is 0s, Daylight sensor is disabled. This function only for testing. Quit the test mode by pressing "RESET" or any other function buttons. This mode has no memory function. After powering on again, the parameters are restored to the last setting. Note: If the sensor have the wireless networking function, the botton provides the functions is entering the distribution network mode.
	HS LS	Press "HS" botton to set the detection area to high sensitivity. Press "LS" botton to set the detection area to low sensitivity. The Induction mode is adjusted at the setting detection area. Note: This button is invalid for low-mount sensor.
		Daylight Sensor Set up Daylight Sensor: 5Lux/15Lux/30Lux/50Lux/100Lux/150Lux/Disable
		Stand-by period Set up Stand-by period: 0s/10s/1min/3min/5min/10min/30min/+∞ Note: Stand-by period is not applicable to ON-OFF Sensor.
		Hold time Set up Hold time: 5s/30s/1min/3min/5min/10min/20min/30min
	50% 10%	Stand-by dim level Set up stand-by dim level: 10%/20%/30%/50% Note: Stand-by DIM Level is not applicable to ON-OFF Sensor.
		Detection Area Set up Detection Area: 25%/50%/75%/100%
	5m 10m 15m	Remote Distance Toggle bottom can set the remote distance of remote control and sensor.

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