



# Raptor All in 1 Dimmable Highbay

160/100/65W

**Applications:** Industrial and Commercial Applications.

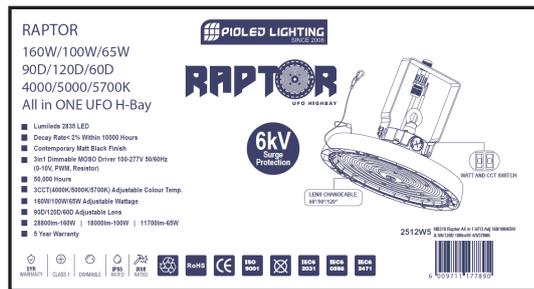
## Product Performance

<b>Wattage</b>	160/100/65W
<b>Colour Temperature &amp; Stock Code</b>	4000/5000/5700K - <b>HB318</b>
<b>Operating Temperature</b>	-30~50°C
<b>Life Span/ LB Rating</b>	L80B10@50000 hrs
<b>IP Rating</b>	IP65
<b>LED Driver Brand</b>	3 in 1 Dimmable Moso Driver
<b>Beam Angle</b>	60-90-120°
<b>Impact Protection Grade</b>	IK08
<b>Input Voltage</b>	90-305V
<b>Surge Protection</b>	6kV
<b>Power Factor</b>	0.9
<b>CRI</b>	>70
<b>Lumen Efficiency</b>	180-200lm/W
<b>LED Chips</b>	Lumiled 2835
<b>LED Chips Qty</b>	336
<b>Dimmable</b>	Yes 3 in 1 (0-10V, PWM, Resistor)
<b>Dimmable Range</b>	1-100%

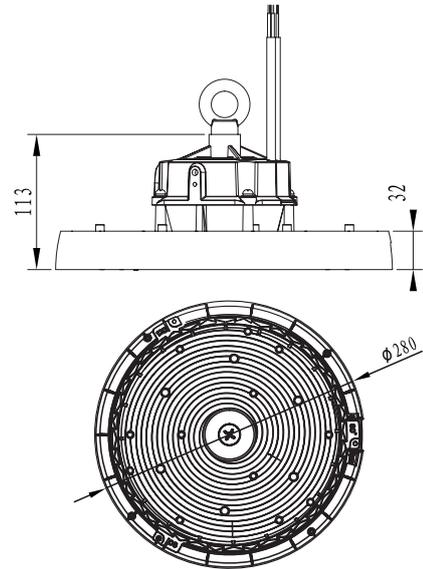
## Physical Characteristics

<b>Weight (g)</b>	1750
<b>Housing Material</b>	Aluminium
<b>Product Dimensions (mm)</b>	280*113mm
<b>Cable Length</b>	0.3m
<b>Mounting Option</b>	Safety Cable /Hanging Hook/U Shape Bracket
<b>Bracket Material</b>	Iron
<b>Bolts and Screws</b>	304 Stainless Steel

## Packaging



## Dimension Drawing



## Technical Parameters

<b>Input Current</b>	0.69A@230V AC
<b>Output Voltage</b>	252V DC
<b>Humidity</b>	10-100%
<b>Frequency</b>	50/60Hz
<b>In Rush Current</b>	100A
<b>Output Current</b>	0.6A
<b>THD</b>	<10%
<b>TA &amp; TC</b>	Ta: 45°C Tc: 85°C
<b>IES (Yes or No)</b>	Yes

## Regulatory Qualifications

<b>Class Rating</b>	Class I
<b>Energy Efficiency</b>	A
<b>Certification</b>	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

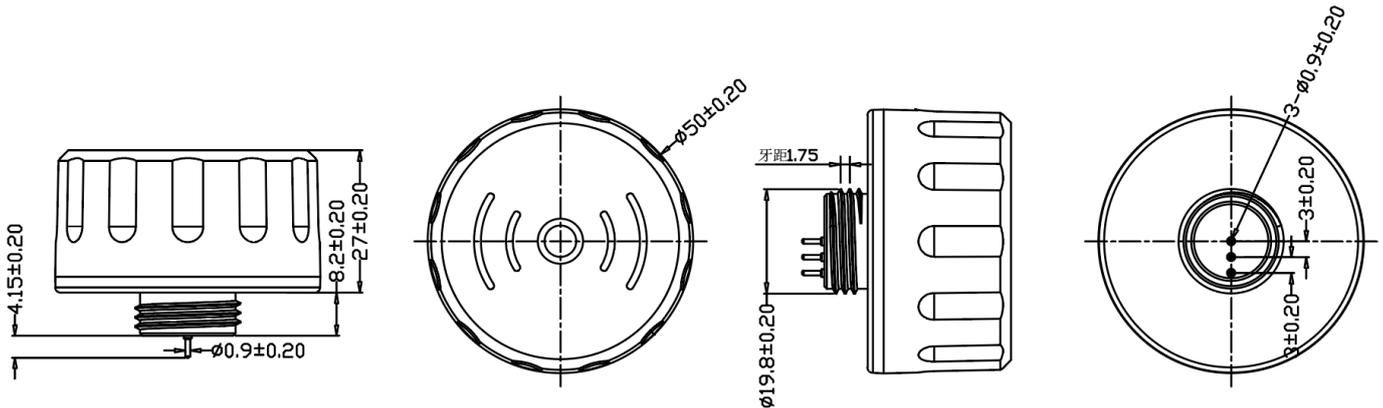
<b>Storage Temp</b>	-30~+50°C
<b>Carton Size (mm)</b>	620x315x355
<b>QTY/CTN</b>	4
<b>Net Weight</b>	6.1
<b>Gross Weight</b>	8.9



**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°C
Storage temperature	-40°C~80°C, humidity ≤85% (non-condensing)

# 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	<table border="1"> <thead> <tr> <th>Scene Options</th> <th>Detection Area</th> <th>Hold Time</th> <th>Stand-by period</th> <th>Stand-by dim level</th> <th>Daylight Sensor</th> <th>Induction way</th> </tr> </thead> <tbody> <tr> <td>QS1</td> <td>100%</td> <td>5min</td> <td>10min</td> <td>10%</td> <td>30Lux</td> <td>HS</td> </tr> <tr> <td>QS2</td> <td>100%</td> <td>10min</td> <td>30min</td> <td>10%</td> <td>Disable</td> <td>HS</td> </tr> <tr> <td>QS3</td> <td>100%</td> <td>20min</td> <td>30min</td> <td>10%</td> <td>Disable</td> <td>HS</td> </tr> </tbody> </table> <p>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)</p>	Scene 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
Scene Options	Detection Area	Hold Time	Stand-by period	Stand-by dim level	Daylight Sensor	Induction way																								
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	TEST 2s	Press the "TEST 2s" button 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" button to set the detection area to high sensitivity. Press "LS" button 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																												
	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%																												
	Remote Distance	Toggle bottom can set the remote distance of remote control and sensor.																												