



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	L80B10@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	90V- 305V
Surge Protection	6kV
Power Factor	0.9
CRI	>70
Lumen Output	240W = >38400lm 200W= >36000lm 180W = >28800lm

Lumen Efficiency	>160lm/W
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LED Chips	Lumiled 2835
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LED Chips Qty	560
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Dimmable	Yes 3 in 1 (0-10V, PWM, Resistor)
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Dimmable Range	1-100%
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Physical Characteristics

Weight (g)	2200
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Housing Material	Aluminium
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Product Dimensions (mm)	320x122mm
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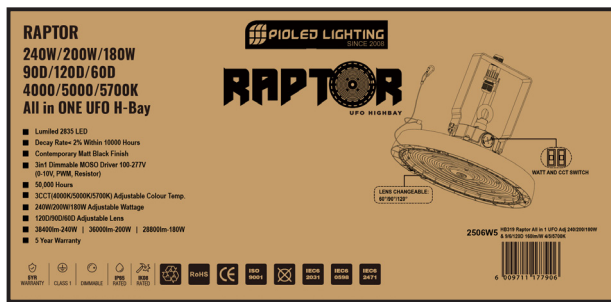
Cable Length	0.3m
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Mounting Option	Safety Cable /Hanging Hook/U Shape Bracket
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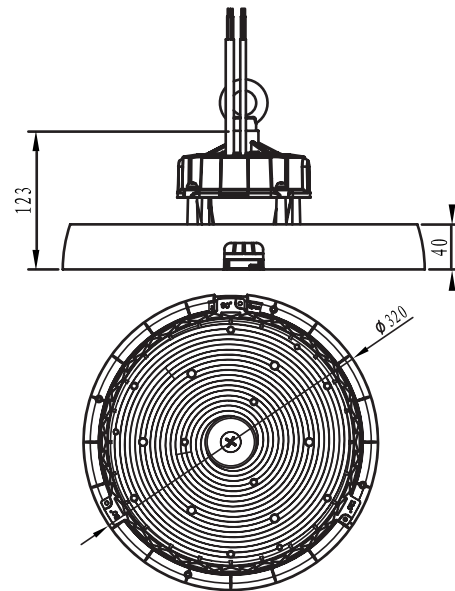
Bracket Material	Iron
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Bolts and Screws	304 Stainless Steel
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Packaging



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

E&OE

PioLED Lighting (Pty) Ltd | 031 701 5746 | info@pioledlighting.africa

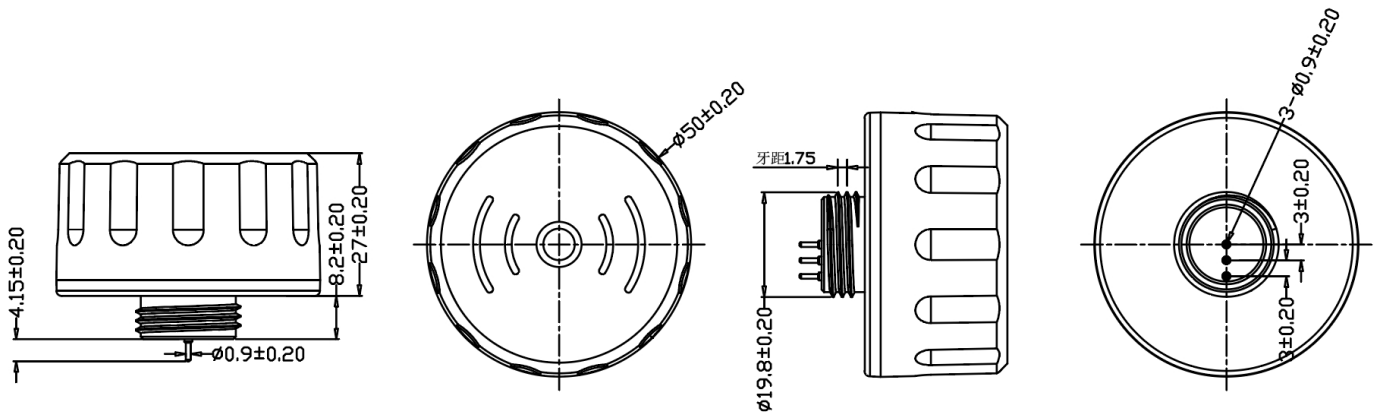
www.pioledlighting.co.za

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
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Sensor parameters

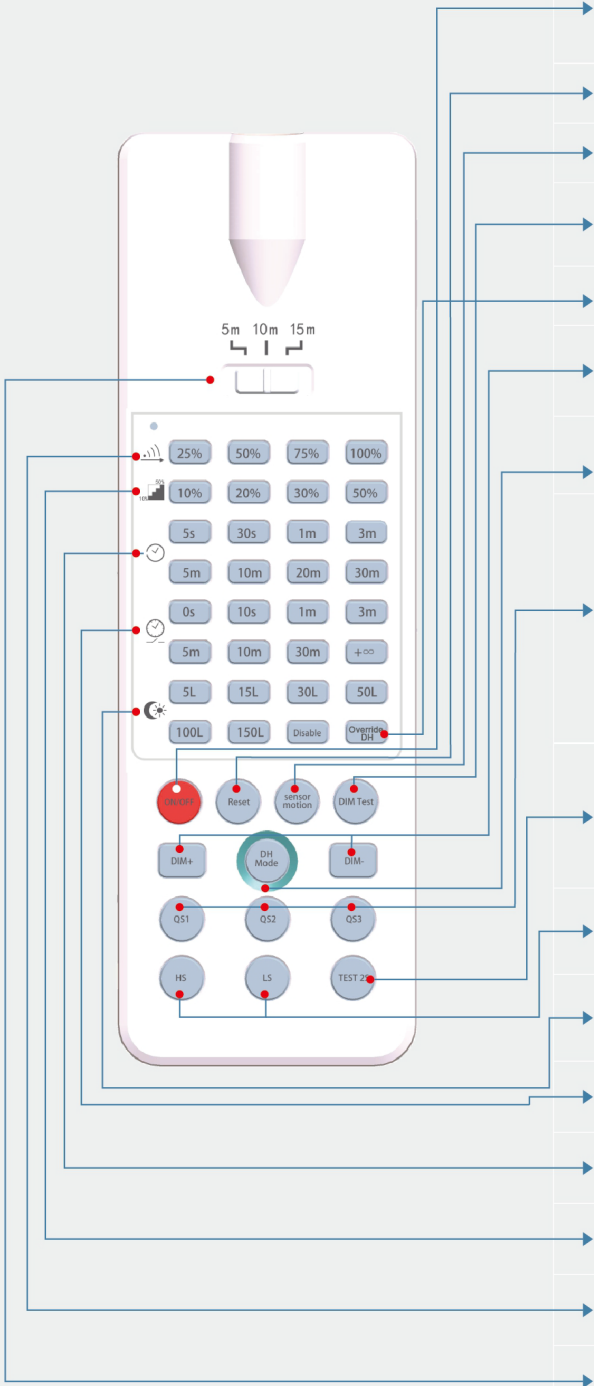




















Working frequency	5.8GHz ±75MHz, ISM band
Transmitting power	3mW Max.
Daylight Sensor	5lux/15Lux/30Lux/50Lux/100lux/150lux/Disable
Dimming level	10%(1.4-1.6V) 20%(1.9-2.1V) 30%(2.9-3.1V) 50% (4.9-5.1V)
Detection range (radius)	Ceiling installation 10m high: 0.3m/s≥4m, 1m/s≥3m;
Installation height	10m (12m Max)
3db beam angle	82°@XZ plane 95°@YZ plane

Environment

Working temperature	-35~60℃
Storage temperature	-40℃~80℃, humidity ≤85% (non-condensing)

HB317b

Remote for HB317a x 20pcs

Remote Control Setting	Button	Remarks																												
		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																												
		Press "Reset" button, all parameters are same as factory settings.																												
		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)																												
		N/A																												
		N/A																												
	 	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.																												
		N/A																												
	  	<table><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><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></table> 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)	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																							
	QS1	100%	5min	10min	10%	30Lux	HS																							
	QS2	100%	10min	30min	10%	Disable	HS																							
	QS3	100%	20min	30min	10%	Disable	HS																							
		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 button provides the functions is entering the distribution network mode.																												
	 	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.																													