HJ03 MODEL
LED Highbay Light

PRODUCT INFORMATION

The HJ03-250W Highbay Light showcases a sleek new 2026 design that combines powerful illumination with superior efficiency. Crafted from durable black aluminum alloy, its streamlined structure ensures rapid heat dissipation and long-lasting stability, maintaining consistent brightness even under continuous operation.

Equipped with an advanced sensing mode, the HJ03-250W intelligently adjusts lighting based on detected activity, optimizing energy use without compromising visibility. Its IP65 waterproof and dustproof rating guarantees reliable performance in harsh environments, from manufacturing floors and warehouses to gyms and retail halls.
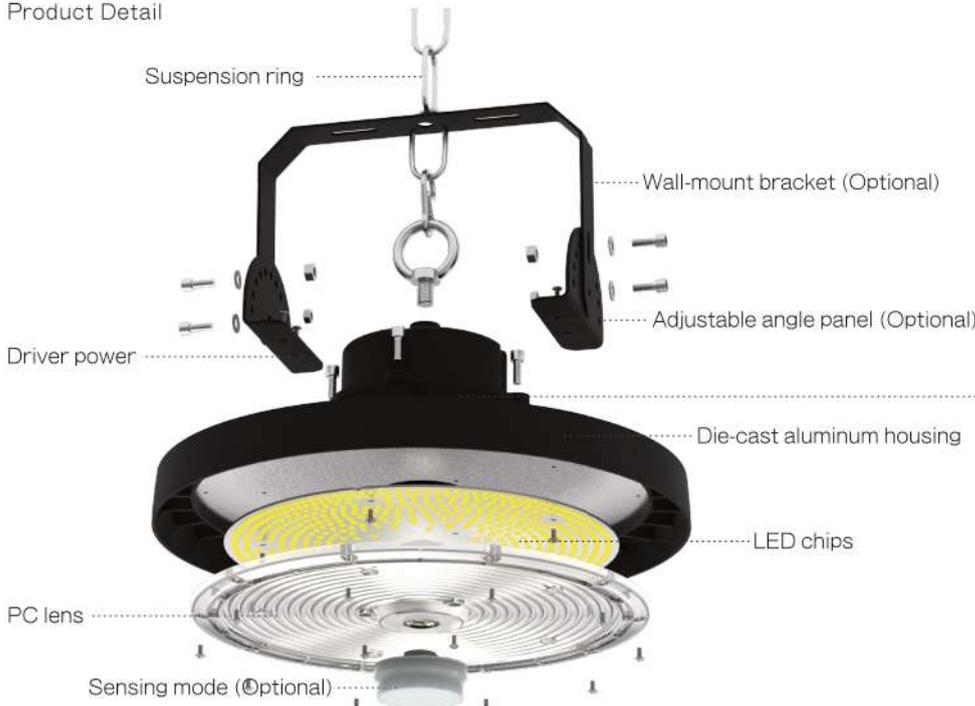
5 YEARS WARRANTY | **IP65 WATERPROOF** | **SENSING MODE** | **REMOTE CONTROL**

TECHNICAL INFORMATION

Colour temperature: 3000-6500K

CCT: Single CCT

CRI: 70+

Efficacy: 185Lm/W

Voltage: 220-240V

Beam angle: 90°
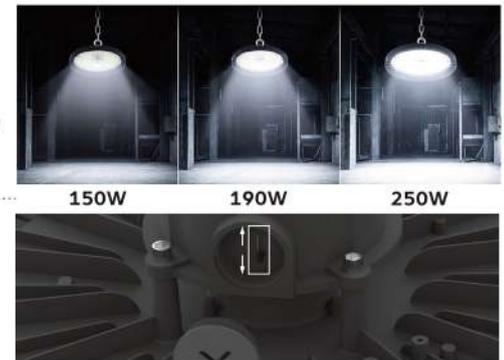
Remote control: Yes

LED: SMD 2835

Light module tilt: ± 40°

Temperature range: -10° C to 60° C

IP rating: IP65

LED tests: LM79/LM80

Material type: Die-cast aluminum + PC

Body colour: Black

Life: 100,000hrs**

Product Model	HJ03-250W
Wattage	250-190-150W Tunnable
Luminous Flux	46250Lm

Product Detail

Suspension ring

Wall-mount bracket (Optional)

Adjustable angle panel (Optional)

Driver power

Die-cast aluminum housing

LED chips
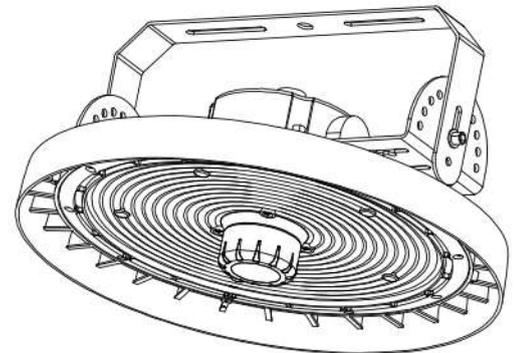
PC lens
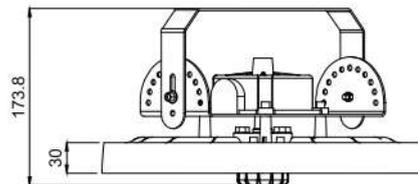
Sensing mode (Optional)

WATTAGE TUNABLE

150W | 190W | 250W
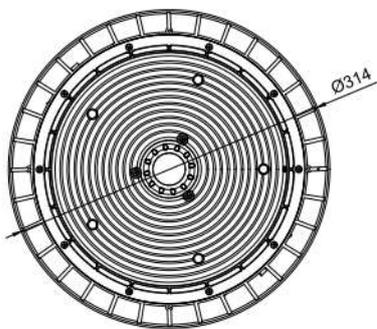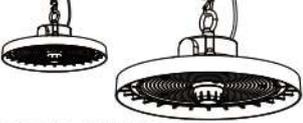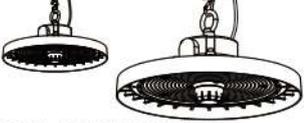
DIMENSION DRAWING
(INSTALLATION METHOD)

SUSPENSION MOUNTING

Ø314

166.1

30

BRACKET MOUNTING

Ø314

173.8

30
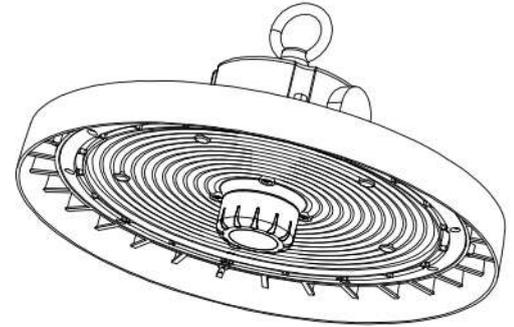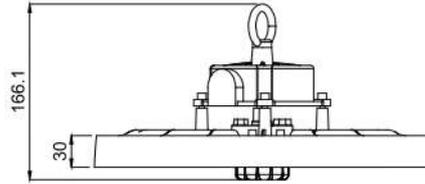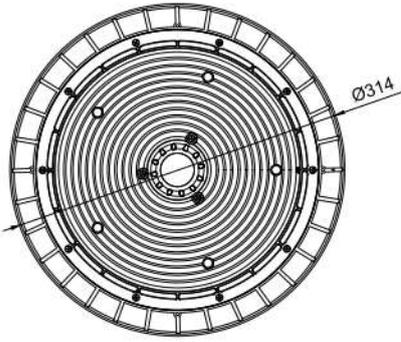
PACKAGING AND 40HQ CAPACITY

HIGH-BAY LIGHT **250w LED** ■ 6000ₖ ■ 100-277ᵥ 3 Adjustable powers 150w /190w /250w 185 Lm/W MAX. 46250 Lm Motion Sensor CE RoHS	**HIGH-BAY LIGHT** **250w LED** ⇅ ⚕ ☂ ⌧ CE RoHS QTY: 6 PCS G.W: 13 KG N.W: 11.5 KG MEAS: 41.5x41.5x33.8 CM	**HIGH-BAY LIGHT** **250w LED** ■ 6000ₖ ■ 100-277ᵥ 3 Adjustable powers 150w /190w /250w 185 Lm/W MAX. 46250 Lm Motion Sensor CE RoHS	**HIGH-BAY LIGHT** **250w LED** ⇅ ⚕ ☂ ⌧ CE RoHS QTY: 6 PCS G.W: 13 KG N.W: 11.5 KG MEAS: 41.5x41.5x33.8 CM

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6 PCS

13 KGS
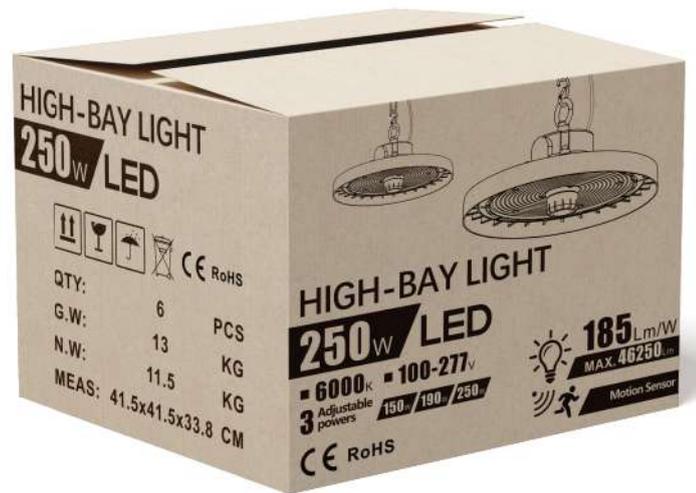
40HQ CAPACITY
1166 boxes * 6 units
= 6996 pcs.

MOTION SENSING FUNCTION


Dusk/Dawn function

It can distinguish between artificial and natural light, automatically turning off when ambient brightness exceeds the preset lux level.

Precondition of Dusk/Dawn function:

1. Standby period is +∞;
2. Standby dimming level is on 10%, 20% or 30%;
3. Daylight threshold is on 30lux/50lux/80lux/120lux

LUX OFF
Natural Light
Light off automatically
LUX ON
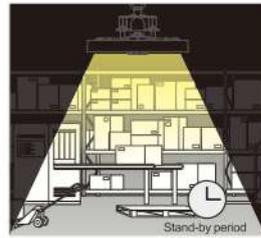Light on automatically
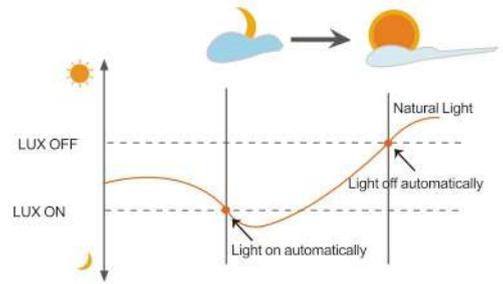
1. With Dusk/Dawn function
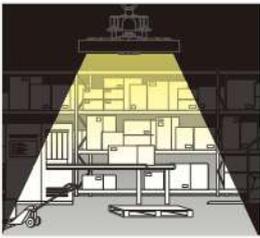
With insufficient ambient brightness, sensor turns on light and keeps it at standby dimming level even if there is no motion or presence.
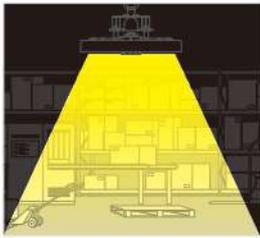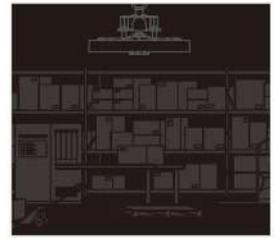
When sensor detects motion or presence it will bring the light level up to 100%.
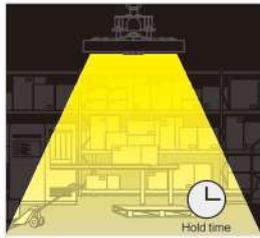
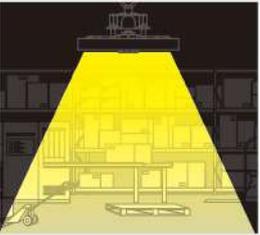After motion is no longer detected, fixture remains at 100% for hold time.

After pre-set hold time period it will dim light to standby dimming level again and always keep it.

With sufficient ambient brightness, sensor will turn OFF light automatically.

2. Without daylight disabled

Sensor turns ON light when motion is detected.
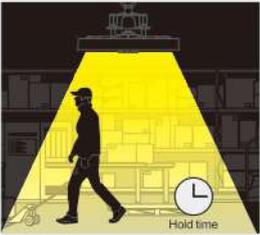
Sensor keeps for a hold time period after motion leaves
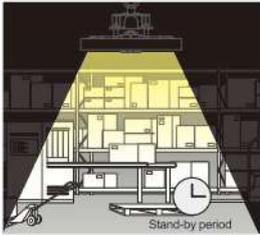
Sensor dims light to standby dimming level after hold time if there is still no motion

Sensor turns OFF light after standby period

3. With Daylight Threshold
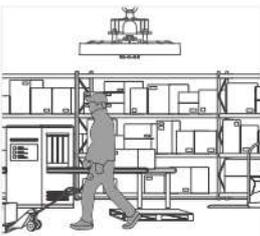
With sufficient daylight, the sensor keeps light OFF even motion gets detected

With insufficient daylight, the sensor turns light ON when motion gets detected
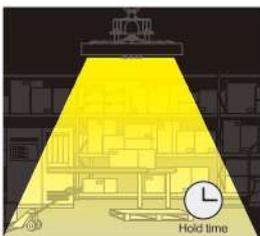
After there's no motion detected, the sensor keeps light ON 100% for holdtime.
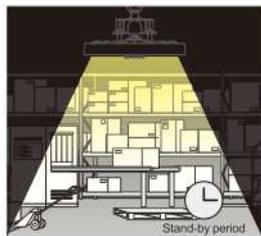
After holdtime, sensor dims light to standby dimming level for standby period.

If the standby period has been set as 0s, sensor turns light OFF automatically after holdtime.

The sensor turns OFF light automatically after the standby period when there's no motion detected.

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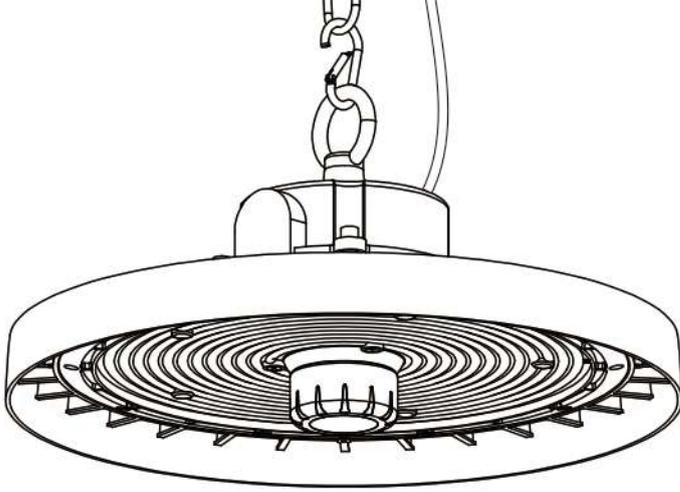
Remote Control

Instructions for Function Buttons

ON/OFF

ON/OFF

ON/OFF button, to turn on or off the light.

Reset

AUTO

Press the Reset button, and all parameters of the sensor will be reset:
Default Hold Time 5s, Detection Range 100%, Stand-by Dim Level 100%,
Stand-by Period 0s, Daylight Sensor Disable.

Remote keypad:

ON/OFF	o	Reset

Detection Range

25%	50%	75%	100%

Hold Time

5s	1min	5min	10min

Stand-by Dim Level

Dim+	Dim-	20%	50%

Stand-by Period

0s	5min	10min	+∞

Daylight Sensor

2Lux	10Lux	50Lux	Disable

25%	50%	75%	100%

Detection Range
100% 75% 50% 25%

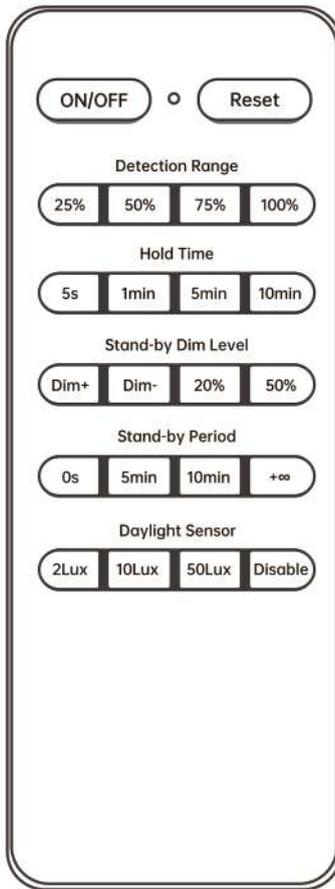| 5s	1min	5min	10min

Hold Time
5S 1min 5min 10min

Dim+	Dim-	20%	50%

Stand-by Dim Level

Dim+
Press this key continuously, dim level 100%.

Dim-
Press this key continuously, dim level 50%.

0s	5min	10min	+∞

Stand-by Period
0S 5min 10min +∞

2Lux	10Lux	50Lux	Disable

Daylight Sensor
Disable 2Lux 10Lux 50Lux

FACTORY SETTING

Detection Area: **100%**, Holdtime: **5S**, Daylight Threshold: **Disable**,
Standby Period: **0S**, Standby Dimming Level: **10%**.

IES TEST REPORT

Report No.:HJ03-250W   Test Time: 2025-11-18 15:10

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Luminaire Description:
Lamp Catalog: Lamp Description:
Number of Lamps: Lumens per Lamp:
Luminous Length (mm):   Luminous Width (mm):
Luminous Height (mm):   Voltage: 230.10 V
Current: 1.0960 A   Power: 252.10 W
Power Factor: 0.9800

Photometric Results

CIE Class: Direct   Total Rated Lamp Lumens: 46779.6 lm
Measurement Flux: 46779.6 lm   Efficiency: 100%
Downward Ratio: 99%   Upward Ratio: 1%
Horizontal Diffuse Angle(50%): H96
Vertical Diffuse Angle(50%): V96.4
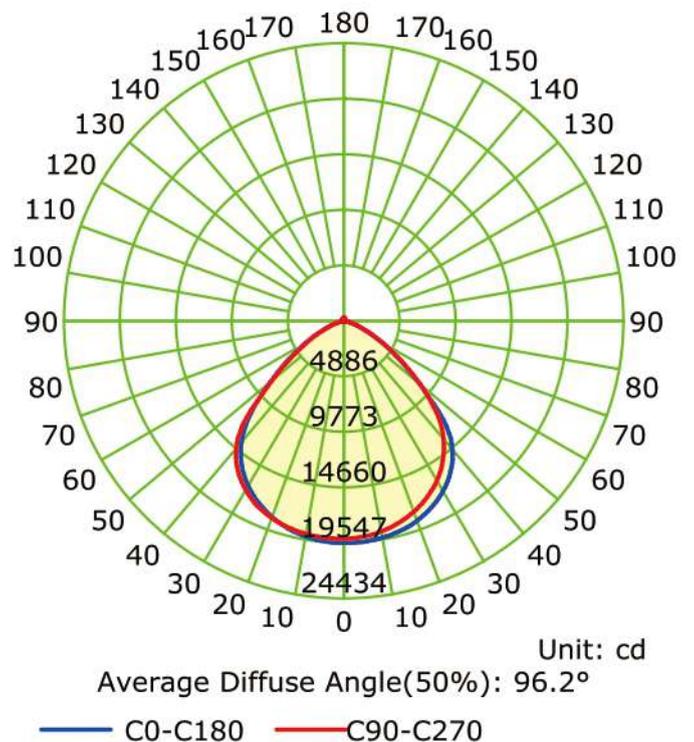Luminous Efficacy (lm/w): 185.56   C0r0 Intensity: 19547.8 cd
Max. Intensity: 19547.81 cd   Pos of Max. Intensity: H0 V0
S/MH(C0/C180): 1.29   S/MH(C90/C270): 1.29

Picture Of Luminaire

Luminous Intensity Distribution Curve

Unit: cd

Average Diffuse Angle(50%): 96.2°

— C0-C180   — C90-C270

C Plane (°):0.0-360.0: 90.0   Gamma Plane (°):0.0-180.0:1.0
Test Lab: Test Device: GPM-1600L
Test Type: TYPE C   Distance: 9.004 m [K=1.0000]
Temperature: 25   Humidity:
Operator: Inspector:

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