

DELTA LED HIGH BAY LIGHT

2014/01



SONARAY HB-3100、HB-3180、HB-3250 are three high-power high bay light, to replace the traditional 200W-700W HID high bay light. Output brightness Higher than similar products currently on the market. Protection class IP65 , Suitable for indoor or outdoor lighting high bay space.



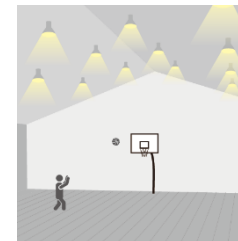
Product Features:

- Optical efficiency close to 90lm / w, it is a high-power energy-saving effect of outstanding patio lights
- Heat well, in addition to aluminum lamp body material is more conducive to heat, convection radiator design also makes the lamp body heat faster.
- IP65 degree of protection for complex work environment.
- Design life of up to 60,000 hours
- HB-3250 crash level reaches IK09.
- HB-3180 diffusion front cover design, while also maintaining high output uniformity, no glare

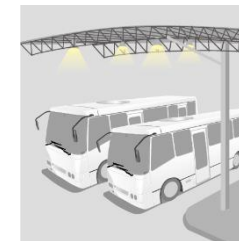
Applications:



Warehouses,
factories



Gymnasium



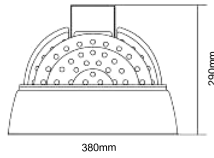
Shelters



Toll stations

HIGH BAY Specification

100W

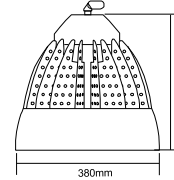


HB-3100

Specification
 Shell : Aluminum
 Light color: light gray
 Operating Temperature :
 -25°C~+45°C
 Weigh : 4.58kg

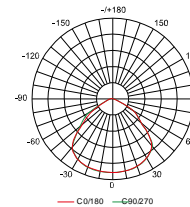
Flux	Power	Light efficiency
9000lm	100W	90 lm/w
Color temperature		Input Voltage
5000K/3000K		AC 100V-240V,50/60Hz
Light angle	Design lifetime	CRI (Ra)
50°/120°	60000hrs	75

180W

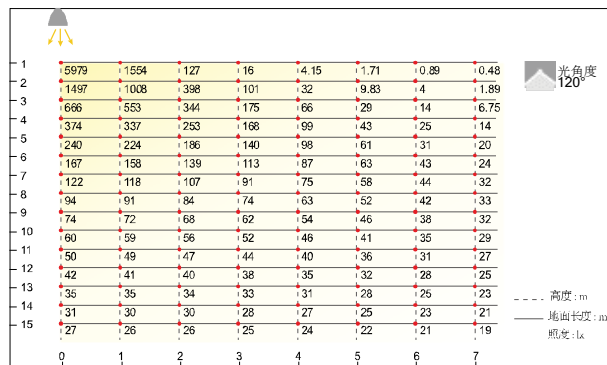


HB-3180

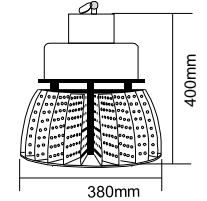
Specification
 Shell : Aluminum
 Light color: light gray
 Operating Temperature :
 -25°C~+45°C
 Weigh : 7.2kg



Flux	Power	Light efficiency
15380lm	180W	85lm/w
Color temperature		Input Voltage
5000K/3000K		AC 100V-240V,50/60Hz
Light angle	Design lifetime	CRI (Ra)
50°/120°	60000hrs	75

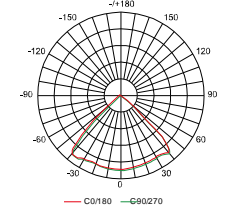


250W

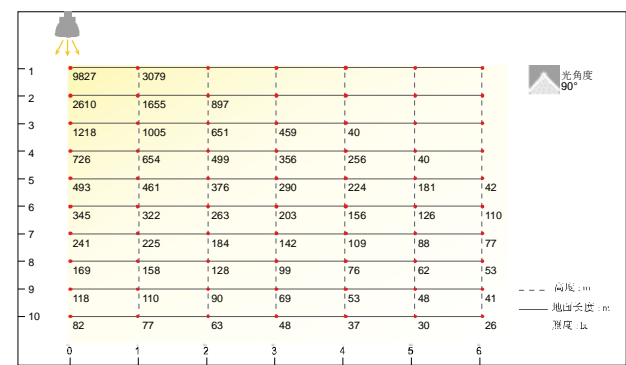


HB-3250

Specification
 Shell : Aluminum
 Light color: dark gray
 Operating Temperature :
 -25°C~+45°C
 Weigh : 9.7kg
 Containment level : IK09



Flux	Power	Light efficiency
20652lm	250W	83lm/w
Color temperature		Input Voltage
5000K/3000K		AC 100V-240V,50/60Hz
Light angle	Design lifetime	CRI (Ra)
60°/90°	60000hrs	75

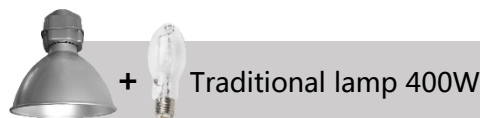
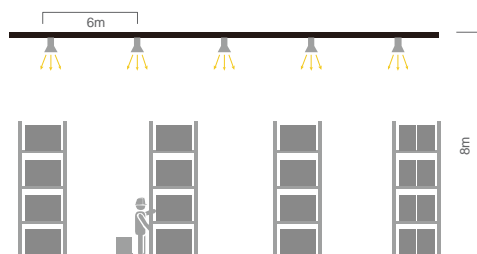




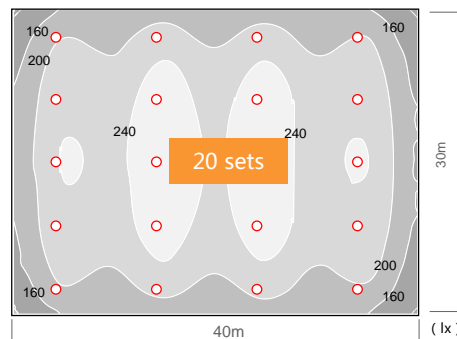
Design Example : Warehouses, factories (8m)

Standard illumination : 200lx

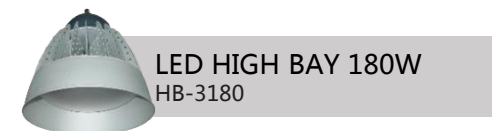
Vertical section



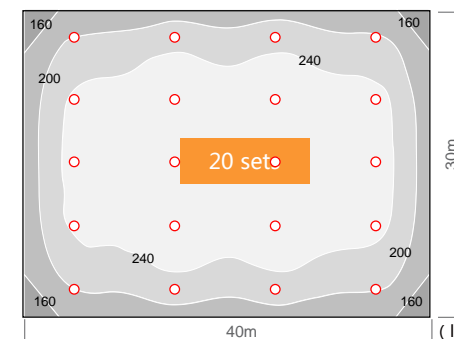
Ground illumination distribution



lamp	Traditional lamp
Light source	HID
Initial Flux (lm)	32000
Life (hr)	12000
Mounting height (m)	8
Average illuminance (lx)	212
Total power (W)	10000



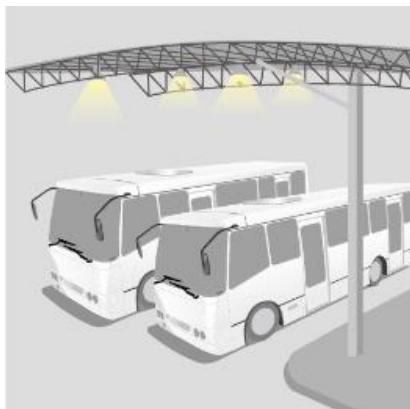
Ground illumination distribution



lamp	HB-3180
Light source	LED
Initial Flux (lm)	15380
Life (hr)	60000
Mounting height (m)	8
Average illuminance (lx)	228
Total power (W)	3600

- Same brightness
- About saving 64%
- An equal number of units
- 5 times the life

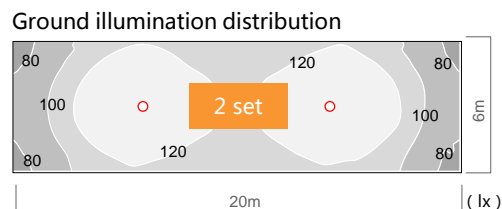
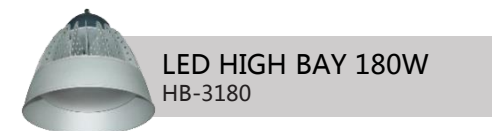
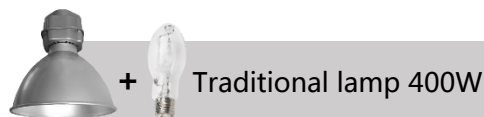
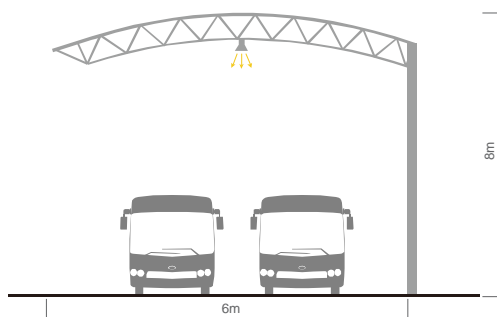
※The traditional lamp power of light source is about 80% of the total power consumption.
 ※The luminous flux of whole lamp is about 50% of light source.



Design Example : Shelters (8m)

Standard illumination : 100lx

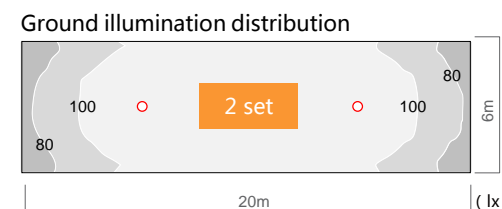
Vertical section



lamp	Traditional lamp
Light source	HID
Initial Flux (lm)	32000
Life (hr)	12000
Mounting height (m)	8
Average illuminance (lx)	115
Total power (W)	1000

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※The luminous flux of whole lamp is about 50% of light source.



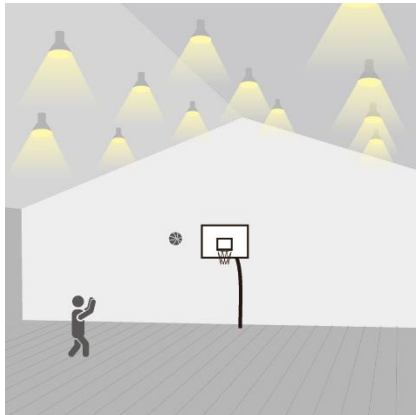
lamp	HB-3180
Light source	LED
Initial Flux (lm)	15380
Life (hr)	60000
Mounting height (m)	8
Average illuminance (lx)	112
Total power (W)	360

Same brightness

About saving 64%

An equal number of units

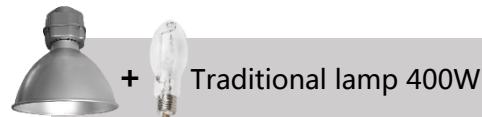
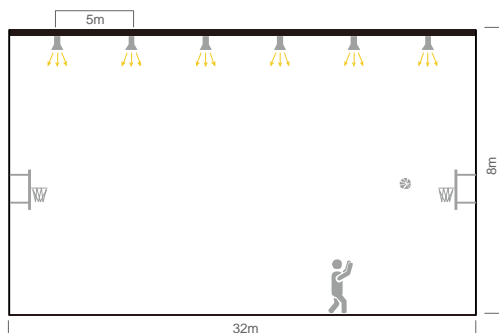
5 times the life



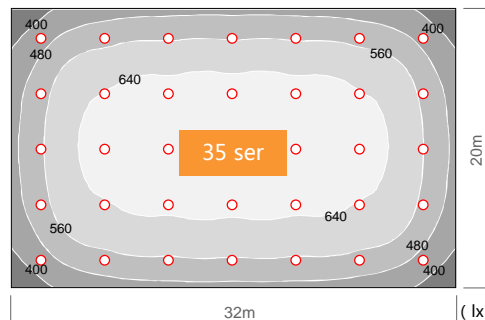
Design Example : Gymnasium (8m)

Standard illumination : 500lx

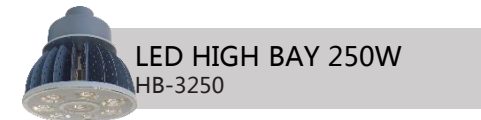
Vertical section



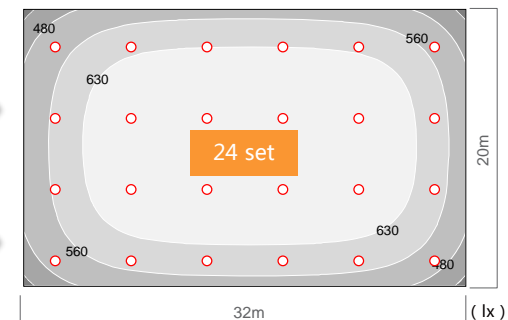
Ground illumination distribution



lamp	Traditional lamp
Light source	HID
Initial Flux (lm)	32000
Life (hr)	12000
Mounting height (m)	8
Average illuminance (lx)	511
Total power (W)	17500



Ground illumination distribution



lamp	HB-3250
Light source	LED
Initial Flux (lm)	20652
Life (hr)	60000
Mounting height (m)	8
Average illuminance (lx)	557
Total power (W)	6000

- Upgrade brightness
- About saving 66%
- Reduce 11 set
- 5 times the life

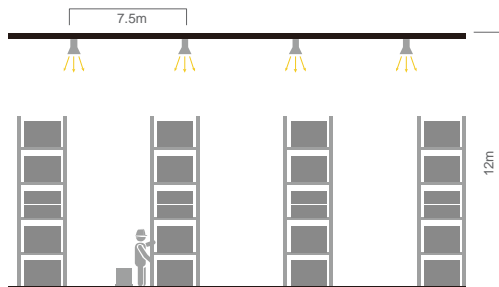
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 ※The luminous flux of whole lamp is about 50% of light source.



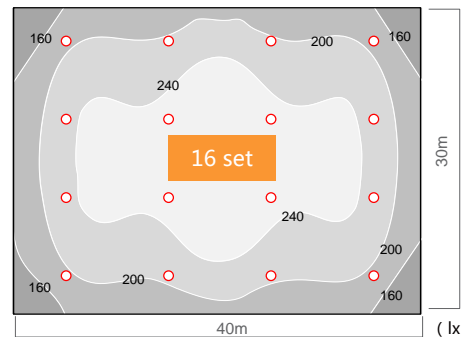
Design Example : Warehouses, factories(12m)

Standard illumination : 200lx

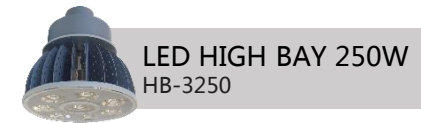
Vertical section



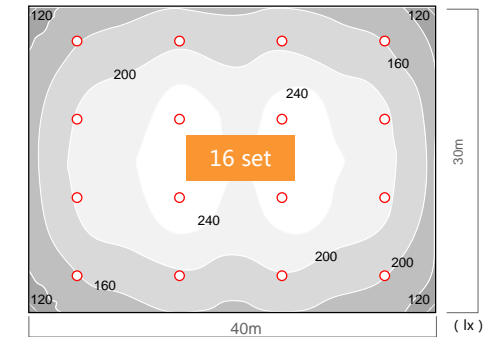
Ground illumination distribution



lamp	Traditional lamp
Light source	HID
Initial Flux (lm)	62000
Life (hr)	12000
Mounting height (m)	12
Average illuminance (lx)	205
Total power (W)	14000



Ground illumination distribution



lamp	HB-3250
Light source	LED
Initial Flux (lm)	20652
Life (hr)	60000
Mounting height (m)	12
Average illuminance (lx)	210
Total power (W)	4000

- Same brightness
- About saving 70%
- An equal number of units
- 5 times the life

※The traditional lamp power of light source is about 80% of the total power consumption.

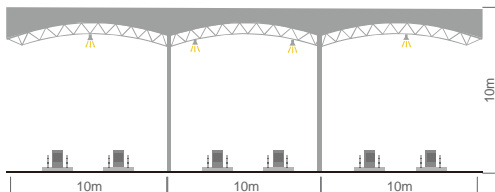
※The luminous flux of whole lamp is about 50% of light source.



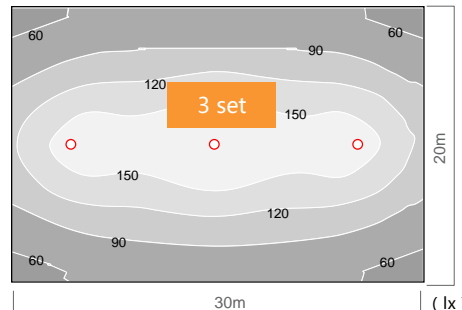
Design Example : Toll stations (10m)

Standard illumination : 75lx

Vertical section



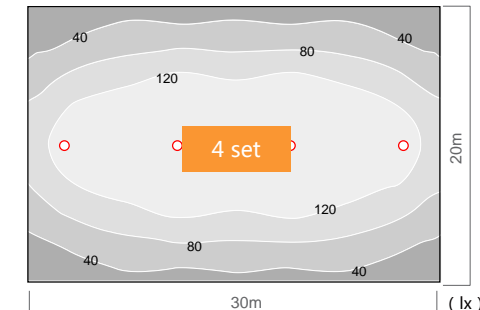
Ground illumination distribution



lamp	Traditional lamp
Light source	HID
Initial Flux (lm)	62000
Life (hr)	12000
Mounting height (m)	10
Average illuminance (lx)	110
Total power (W)	2625



Ground illumination distribution



lamp	HB-3250
Light source	LED
Initial Flux (lm)	20652
Life (hr)	60000
Mounting height (m)	10
Average illuminance (lx)	104
Total power (W)	4200

Same brightness

About saving 62%

Add 1 set

5 times the life

※The traditional lamp power of light source is about 80% of the total power consumption.

※The luminous flux of whole lamp is about 50% of light source.