

LED HIGH BAY LIGHT DELTA

2013/9



SONARAY HB-3180-W650、HB-3250-W650 are two high-power high bay light, to replace the traditional 400W above high bay light. Equaled with unique designed thus to dissipate heat efficiently, these lights are highly durable. Definitely the right choice to maintain high brightness in high ceiling areas where maintenance is to be avoided.



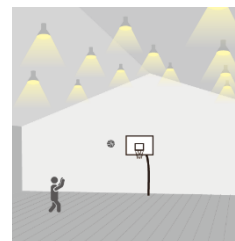
Product Features :

- Luminous efficiency close to 90lm / w , which is a high-power and energy-saving superior high bay lights
- Light body made of aluminum alloy , Reduces the weight of the whole lamp and conducive to heat
- Good performance of heat dissipation, The aluminum lamp body material is more conducive to heat dissipation, in addition of using convection fin design of heat sink makes lamp body heat faster.
- Design lifetime up to 60000hr

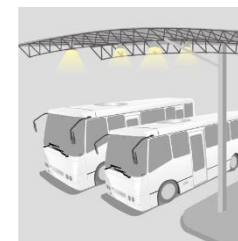
Applications:



Warehouses,
factories



Gymnasium



Shelters



Toll stations

HIGH BAY

Specification

180W



HB-3180-W650

Specification

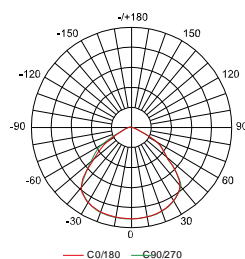
Shell : Aluminum

Light color: light gray

Operating Temperature :

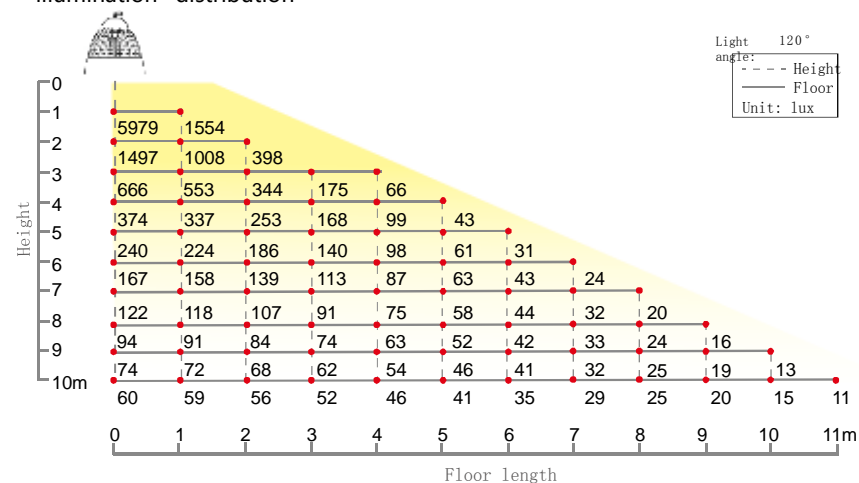
-25°C~+45°C

Weigh : 7.2kg



Flux	Power	Luminous efficiency
15380lm	180W	85lm/w
Color temperature	Input Voltage	
5000K/3000K	AC 100V-240V,50/60Hz	
Light angle	Design life	CRI (Ra)
90°/120°	60000hr	75

illumination distribution



250W



HB-3250-W650

Specification

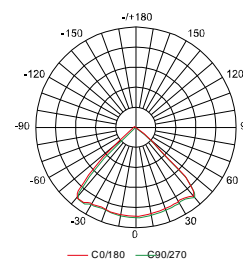
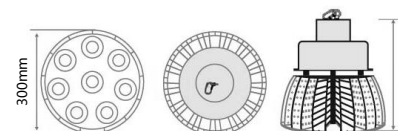
Shell : Aluminum

Light color: dark gray

Operating Temperature :

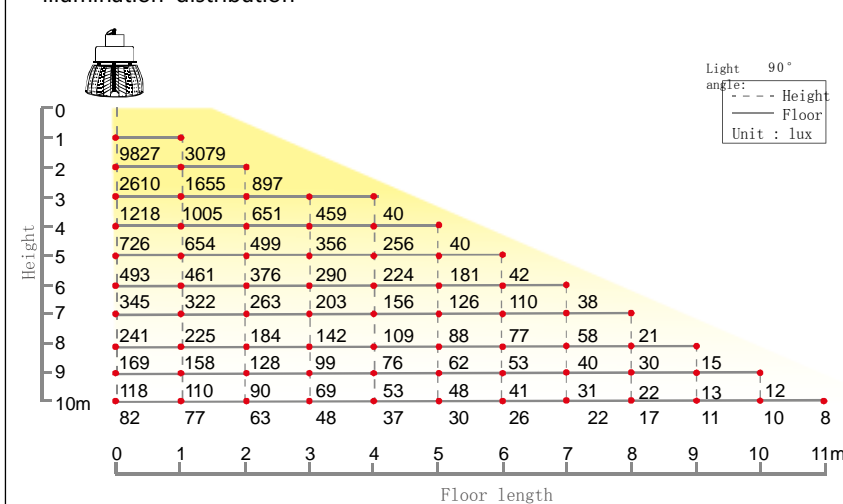
-25°C~+45°C

Weigh : 9.7kg



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

illumination distribution

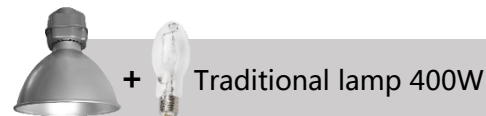
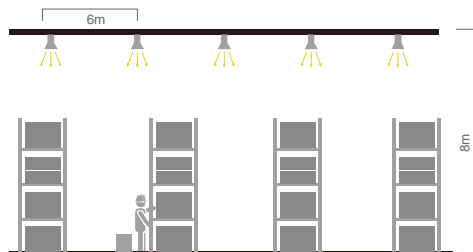




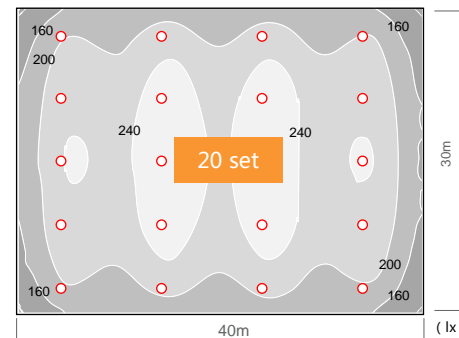
Designed Example : Warehouses, factories (8m)

Designed illumination : 200lx

Vertical section

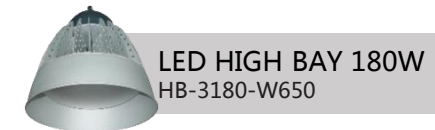


Ground illumination distribution

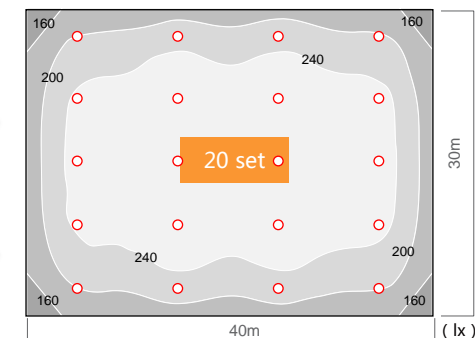


lamp	Traditional lamp
Light source	HID
Initial Flux (lm)	32000
Life (hr)	12000
Mounting height (m)	8
Average illuminance (lx)	212
Total power (W)	10000

※Traditional lamp light power is about 80% of the total power consumption
 ※Luminous flux of about 50% of light flux



Ground illumination distribution



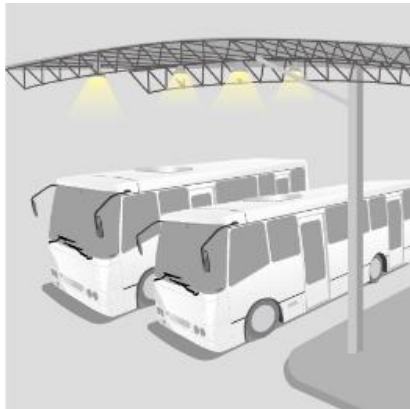
lamp	HB-3180-W650
Light source	LED
Initial Flux (lm)	15380
Life (hr)	60000
Mounting height (m)	8
Average illuminance (lx)	228
Total power (W)	3600

Upgrade brightness

About saving 64%

An equal number of units

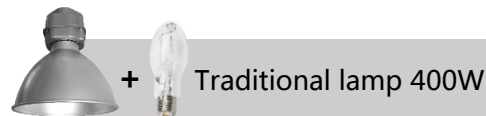
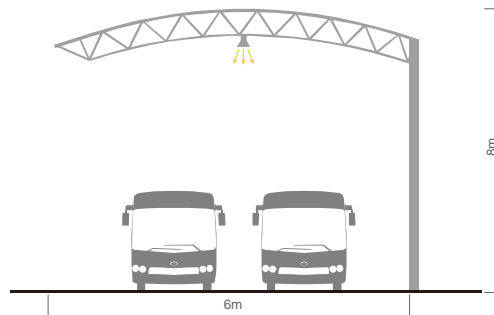
5 times the life



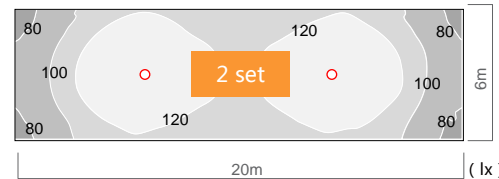
Designed Example : Shelters (8m)

Designed illumination :
100lx

Vertical section

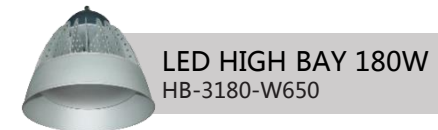


Ground illumination distribution



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

※Traditional lamp light power is about 80% of the total power consumption
※Luminous flux of about 50% of light flux



Ground illumination distribution



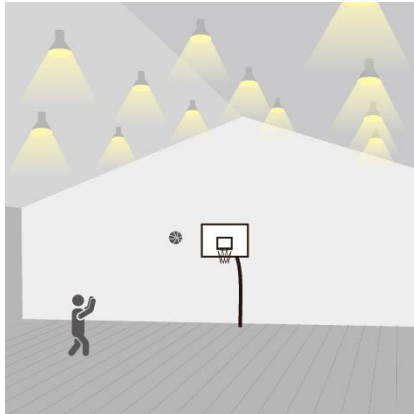
lamp	HB-3180-W650
Light source	LED
Initial Flux (lm)	15380
Life (hr)	60000
Mounting height (m)	8
Average illuminance (lx)	112
Total power (W)	360

Same
brightness

About
saving 64%

An equal
number of
units

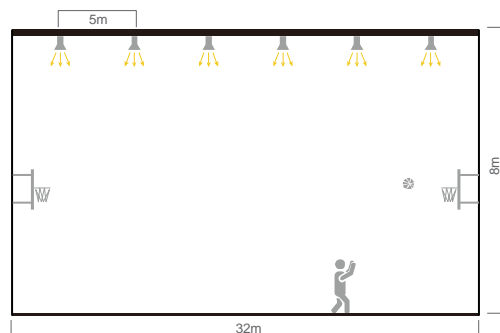
5 times
the life



Designed Example : Gymnasium (8m)

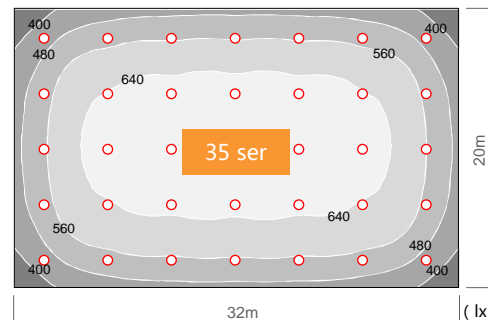
Standard illumination : 500lx

Vertical section



+ Traditional lamp 400W

Ground illumination distribution



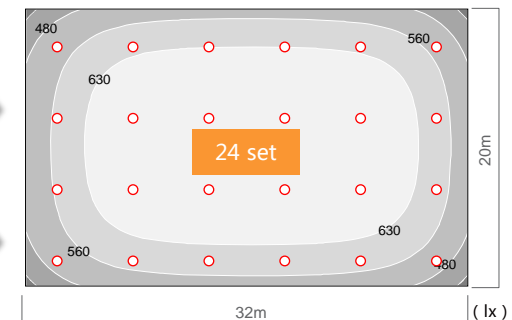
lamp	Traditional lamp
Light source	HID
Initial Flux (lm)	32000
Life (hr)	12000
Mounting height (m)	8
Average illuminance (lx)	511
Total power (W)	17500

※Traditional lamp light power is about 80% of the total power consumption
 ※Luminous flux of about 50% of light flux



LED HIGH BAY 250W
HB-3250-W650

Ground illumination distribution



lamp	HB-3250-W650
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

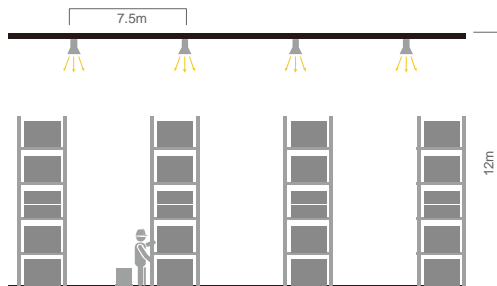
5 times
the life



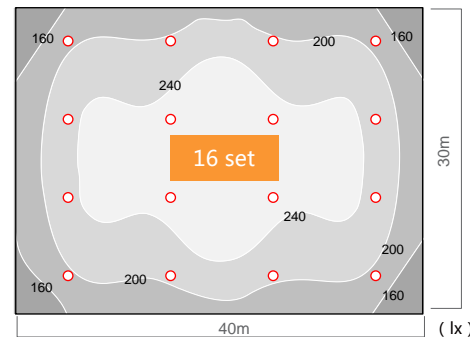
Designed Example : Warehouses, factories(12m)

Designed illumination : 200lx

Vertical section



Ground illumination distribution

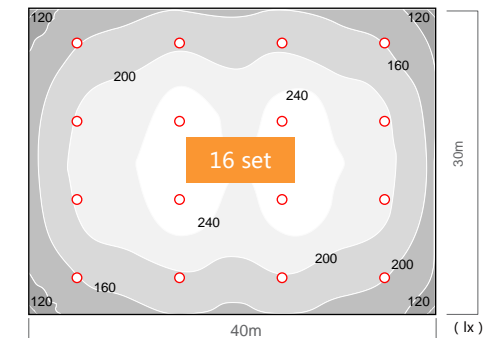


lamp	Traditional lamp
Light source	HID
Initial Flux (lm)	62000
Life (hr)	12000
Mounting height (m)	12
Average illuminance (lx)	205
Total power (W)	14000

※Traditional lamp light power is about 80% of the total power consumption
 ※Luminous flux of about 50% of light flux



Ground illumination distribution



lamp	HB-3250-W650
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

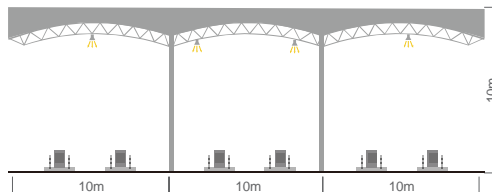
5 times the life



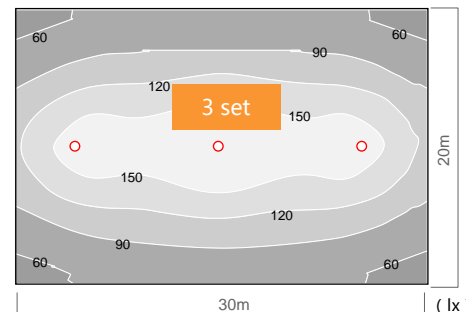
Designed Example : Toll stations (10m)

Designed illumination : 75lx

Vertical section



Ground illumination distribution

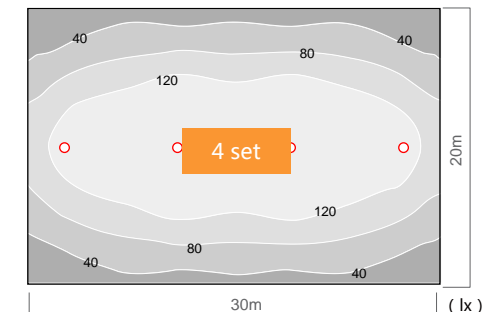


lamp	Traditional lamp
Light source	HID
Initial Flux (lm)	62000
Life (hr)	12000
Mounting height (m)	10
Average illuminance (lx)	110
Total power (W)	2625

※Traditional lamp light power is about 80% of the total power consumption
 ※Luminous flux of about 50% of light flux



Ground illumination distribution



lamp	HB-3250-W650
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