



High Bay Light

Security
Reliability

Energy saving
Smart control



Patent product

EHBL100/150/200W



High Bay Light

GTL LIGHTING (SHEN ZHEN) CO.,LTD.

Application places



Factory



Warehouse



High Ceiling



Public Area

<http://www.gtlighting.com/>

High Bay Light

GTL LIGHTING (SHEN ZHEN) CO.,LTD.

The main characteristics

Safe



Reliability



Energy saving



Smart control





<http://www.gttlighting.com/>

High Bay Light

GTL LIGHTING (SHEN ZHEN) CO.,LTD.

Product series

EHBL 100/150/200W	HBL 100/150/200/240W
	
<p>With more and more customers request for smart lighting, our Smart EHBL were born. It adopts the design of built-in auxiliary power supply source and SENSOR, which solves the complex wiring problem between DALI/SENSOR and input line. This improves the cost performance greatly. The self-cleaning appearance design and the new air convection design is the industry's new design idea which provide bigger space for the HIGHBAY thermal design.</p>	<p>The industry's first water-wave circular lens (patented design).its optical loss is only 3% . Circular lens design also provides great convenience to customized projects. More than 200,000pcs are sold worldwide every year, more and more customers are benefiting from this high performance and high reliability product.</p>



- Workshop
- Warehouse
- Airport, station, stadium
- Other industrial and commercial buildings

<http://www.gttlighting.com/>

High Bay Light

GTL LIGHTING (SHEN ZHEN) CO.,LTD.

Product summary



Specs

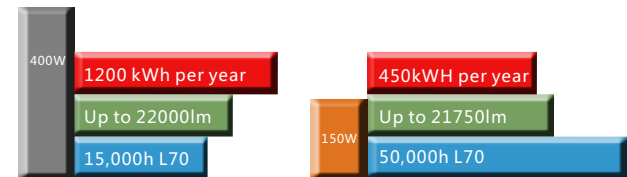
- * 100/150/200W
- * 4000K/5000W/5700K
- * 14500-29000lm
- * 145lm/W
- * On/Off (0-10V)
- * CRI > 70
- * No flicker
- * SDCM < 5
- * Surge 4KV/6KV
- * 50,000 hrs @ Ta45°C
- * IP66, IK08
- * Hook / Pendant/ Bracket Mount
- * ETL, CE, C-TICK, PSE, ROHS
- * 5years warranty

Power	100W	150W	200W
Size (mm)	292*151	342*157	382*160
Lumen (lm)	14500lm	21750lm	29000lm
EFF (lm/w)	145lm/W		
Beam Angle	60°/90°/120°		



Very short payback time

Traditional HID 400W EHBL150W



Fit for different applications

- * Multiple lumen output
- * Multiple mounting method
- * Optional reflector
- * IP66
- * Die-casting housing, IK08

5 years warranty



<http://www.gttlighting.com/>

High Bay Light

GTL LIGHTING (SHEN ZHEN) CO.,LTD.

Product model

EHBL
100W



EHBL
150W



EHBL
200W



<http://www.gtlighting.com/>

High Bay Light

Specifications

GTL LIGHTING (SHEN ZHEN) CO.,LTD.

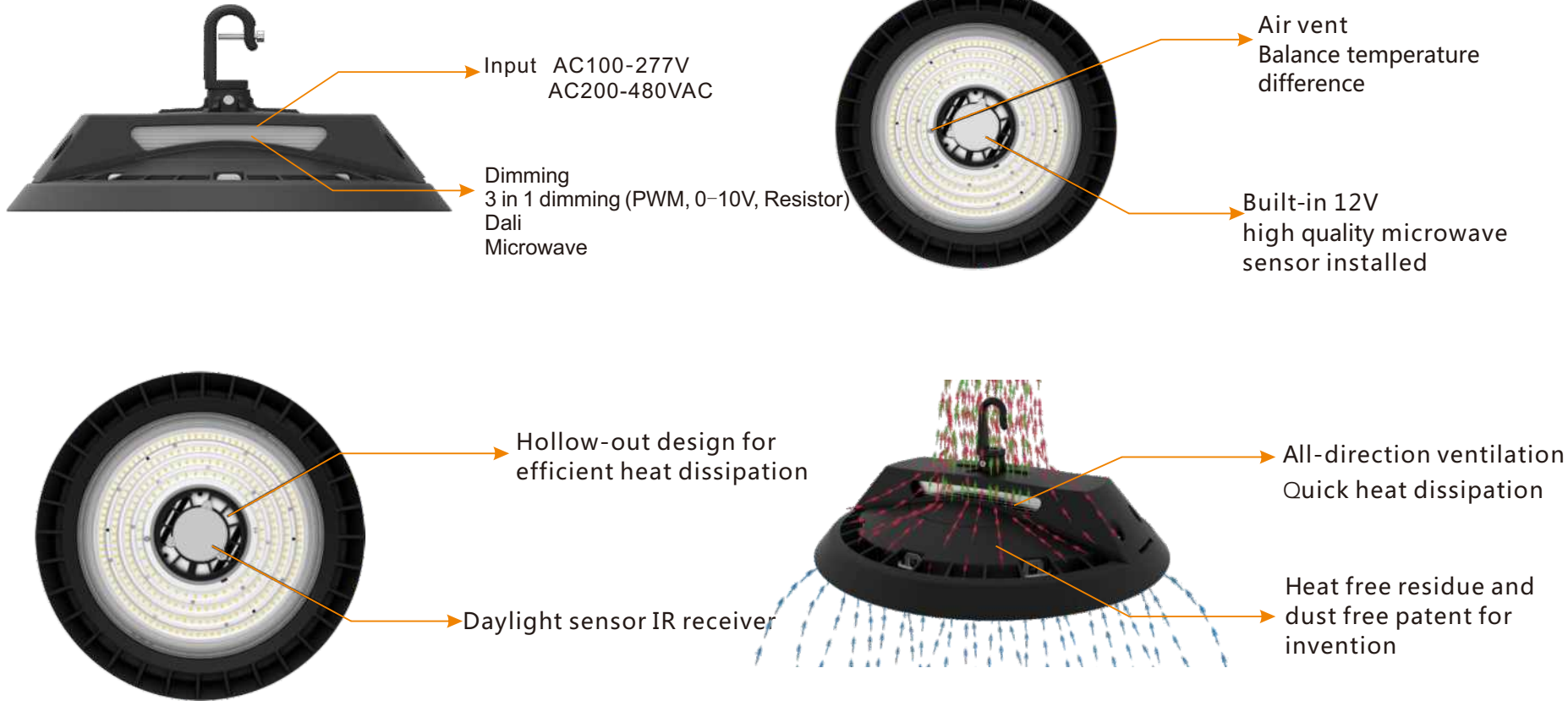
		EHBL-100W	EHBL-150W	EHBL-200W
Power		100W	150W	200W
Input Voltage		90-305VAC		
Input Current		0.45A@220VAC	0.68A@220VAC	0.91A@220VAC
PF		>0.90@220VAC		
Dimming (Optional)		3 in 1 dimming (PWM, 0-10V, Resistor) Dali, Microwave		
CCT		4000K 5000K 5700K 3000K		
Ra >80, 5000 k	Luminous Flux	13500 Lm±10%	20250 Lm±10%	27000 Lm±10%
	Efficiency	135 Lm/W±6%		
Ra >70, 5000 k	Luminous Flux	14500 Lm±10%	21750 Lm±10%	29000 Lm±10%
	Efficiency	145 Lm/W±6%		
LED Brand		Cree 3030		
Beam Angle		60° 90° 120°		
Operation Temp		-40℃ ~ +45℃		
Storage Temp		-40℃ ~ +85℃		
Life Span		45℃ 50000Hours		
IP Class		IP66		
IK Class		IK08		
Certificate		ETL,CE,C-TICK,PSE,ROHS		
Lamp Body Color		Black(RAL9005)		
Product Size (mm)		292*292*151	342*342*157	382*382*160
Netweight (kg) ±0.1		2.78	3.35	4.02
Packing Size (mm)		334*145*340	384*150*390	424*150*430
Grossweight(kg)±0.1		3.43	4.09	4.9
Installation mode		Hook /Pendant /Bracket Mount		

<http://www.gtlighting.com/>

High Bay Light

GTL LIGHTING (SHEN ZHEN) CO.,LTD.

Safe/Reliability

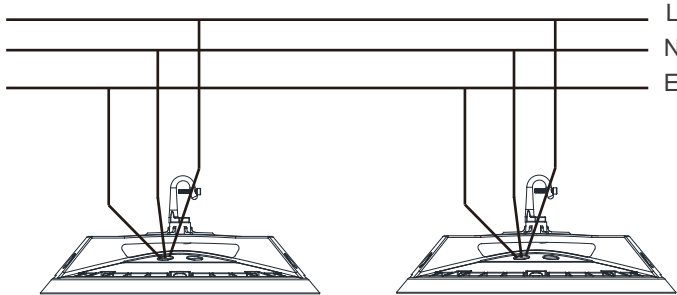


<http://www.gtlighting.com/>

High Bay Light

GTL LIGHTING (SHEN ZHEN) CO.,LTD.

Intelligent control



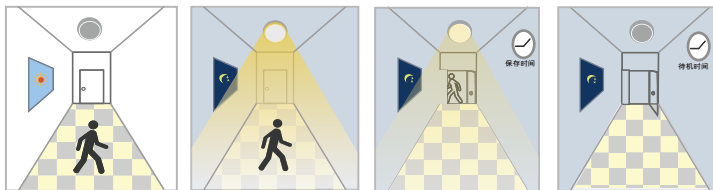
Sensor driver build-in

Operating voltage	12VDC
Operating current	30mA±5%
Output	PWM/0-10V
Standby power	≤0.5W
Detection area	25%/50%/75%/100%
Hold-time	5s/30s/1 min/3min/5min/10min/20min/30min
Daylight threshold	2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/ Disable
Stand-by period	05/10s/30s/1min/5min/10min/30min/+
Stand-by dimming level	10%/20%/30%/50%
Microwave frequency	5.8GHz±75MHz
Microwave power	<0.3mW
Mounting height	Max.15m(ceiling mounted)
Detection range	Max.15x12m(ceiling mounted) Max.20m(wall mounted)
Operating temperature	-20°C~50°C Tc:80°C
IP rating	IP20
Safety standard	56x33x12mm
Certificate	CE,LVD



Standard remote control

Function Demo - Dimmable control/Corridor function



When motion detected, but sufficient daylight, light remains OFF.

When motion detected, insufficient daylight, light ON.

After last detection, the light will be dimmed down to the stand-by dimming level (10%/20%/30%/50%).

After the stand-by period, light OFF.

ON/OFF

Press the "ON/OFF" button, the light keeps permanently on or off. Press "Auto Mode", "RESET" or "Apply" buttons to quit from this mode.

Auto Mode

Press "Auto Mode" button, the sensor starts to work and all settings remain the same before the light is turned on/off.

Detection area

Press the button "detection range" to set detection range as 100% / 75% / 50% / 10%.

Hold-time

Press the button "hold-time" to set hold time as 5s / 30s / 1min / 3min / 5min / 10min / 15min / 30min.

Stand-by dimming level

Press the button "stand-by dimming level" to set the stand-by dimming level as 10% / 20% / 30% / 50%.

Stand-by period

Press the button "stand-by period" to set the stand-by period as 0s / 10s / 30s / 1min / 5min / 10min / 30min / +.

Note: "0s" means no standby period; "+" means unlimited standby period.

Daylight threshold

Press the button "daylight sensor" to set daylight threshold as 2Lux / 10Lux / 30Lux / 50Lux / 80Lux / 120Lux / Disable.

Note: Disable means light will be turned on once sensor detects movement, regardless of the ambient lux.

Reset

1. Press "Reset" button, change brightness level.
2. Press "RESET" button, products with DIP switch will be controlled by DIP switches; otherwise all the setting will be just initial, that is 100% detection range, hold time 5S, no stand-by time and daylight threshold disabled.

+/-

1. To adjust brightness 10~100% in ON/OFF mode.
2. To adjust highest brightness 60~100% in sensor mode.

Start

Press "Start" to customize scene, users can change detection range, daylight threshold, holdtime, standby dimming level and standby period.

Memory

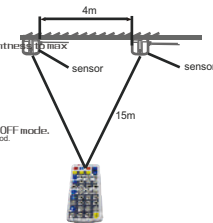
1. Press "Memory" to save all the settings.
2. No change settings are kept as before save.

Apply

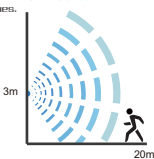
1. Press "Apply" to deliver the saved values.
2. Press "Apply" without memorizing all the settings will deliver only one-time operation. Settings should be done within 30S, otherwise it exists memory mode.

Test (2s)

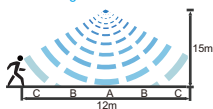
The button "Test (2s)" is for testing purpose after commissioning. Pressing this button, the sensor goes to test mode/hold time is only 2s) automatically, stand-by period and daylight sensor are disabled.



Wall Mounted



Ceiling Mounted

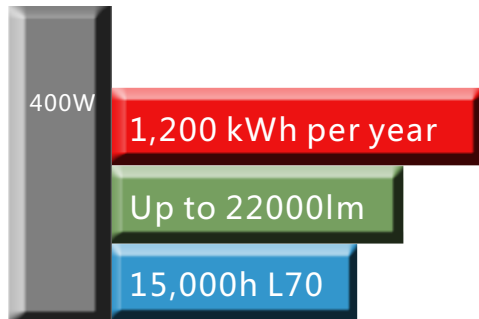


Attention

- When using ON/OFF button, the rest setting buttons don't work.
- Press "Auto Mode" or "Reset" buttons before setting functions Detection Range, Hold time, Daylight sensor, Standby period and Standby dimming level.
- Press Start and Memory button to change and save settings in any mode.
- When using the remote control, light flickers to show instruction received.
- Every change will be automatically saved.

<http://www.gttlighting.com/>

Traditional HID 400W Highbay



EHBL 150W



5 years total cost:

	Energy	Cost
400W HID highbay	6000kWh	900USD
EHBL 150W	2250kWh	338USD
Saving	63%	562USD

Estimations: 3000 hrs per year, 0.15 USD per kwh. Buying cost of 400W HID = 77USD , Buying cost of Simplitz EHBL<100USD.
Disregarding the cost of changing lamps.

<http://www.gtlighting.com/>

High Bay Light

GTL LIGHTING (SHEN ZHEN) CO.,LTD.

Configuration table

Configuration							
Product name	Product category	Power	CRI	CCT	Distribution	Control	SPD
EHL	High bay	80/100/120W*	>70	3000/ 4000K	30°/60°	ON/OFF	NO
		150 /160W*	>80	5000/ 5700K	90°	PWM, 0-10V, Resistor	
		200 /240W*	>90	6500K	120°	Dali /Microwave	

"*" Able to be customized, and please contact SALES directly

<http://www.gtlighting.com/>

High Bay Light

GTL LIGHTING (SHEN ZHEN) CO.,LTD.

Customization Possibility

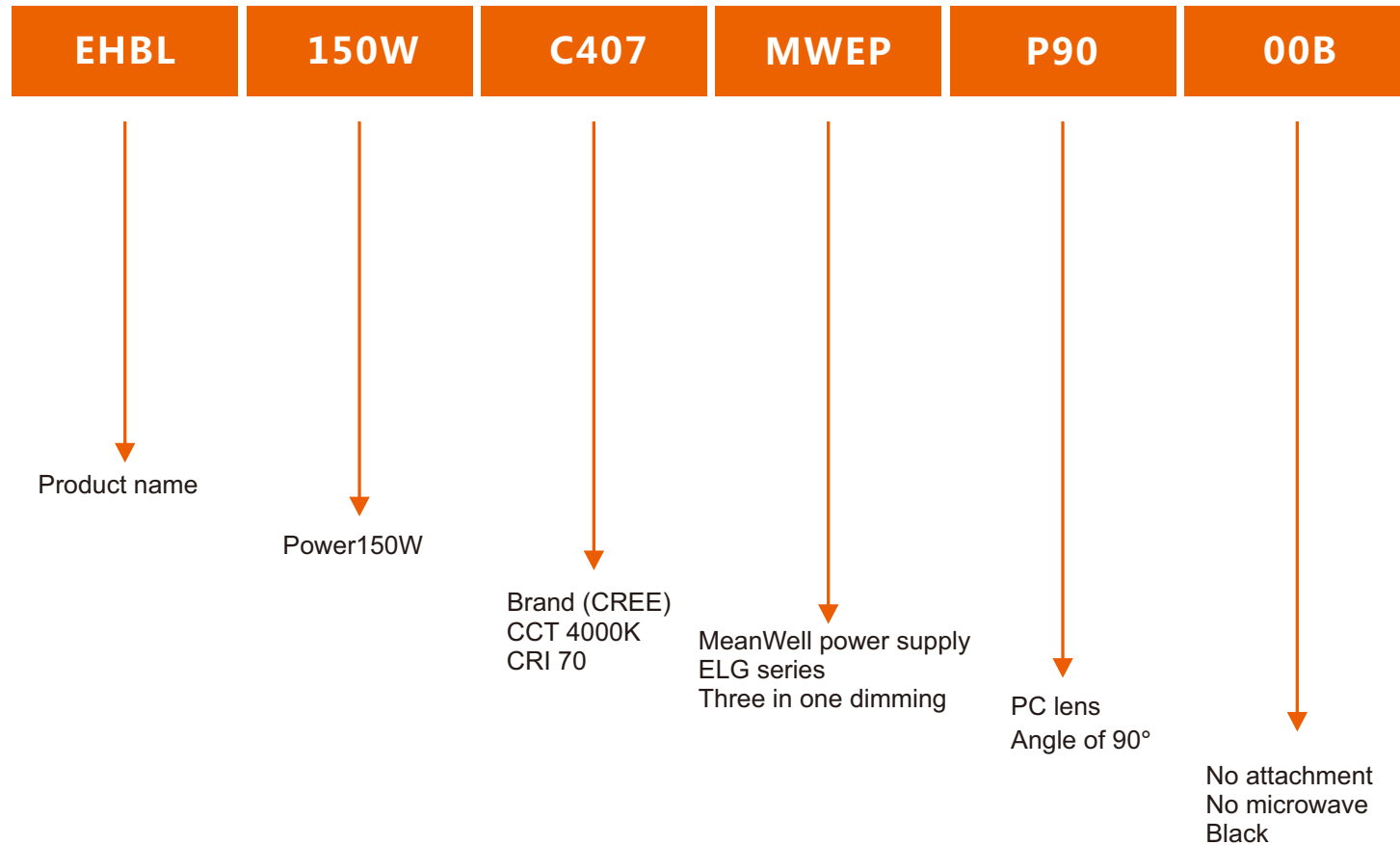
Customizable table				
	Current	Certification Available	Possibility	Note
Power	80/100/ 150/200W	Yes	120/160/240W	The custom code
Efficiency	145 Lm/W	Yes	160Lm/W	
CCT	3000/4000/ 5000/5700/ 6500K	Yes		The luminous flux will change due to CCT
Beam Angle	60°/90°/120°	Yes	30°	New tooling is required
Control	PWM/0-10V/ Resistor/DALI/ Microwave	Yes		
Voltage	100-277V	Yes	200-480V	

<http://www.gttlighting.com/>

High Bay Light

GTL LIGHTING (SHEN ZHEN) CO.,LTD.

Model description



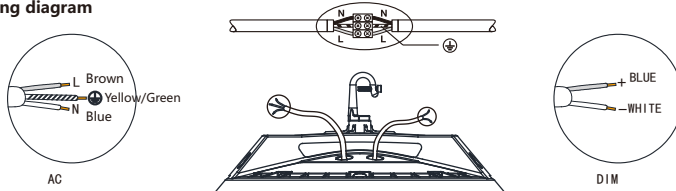
<http://www.gttlighting.com/>

High Bay Light

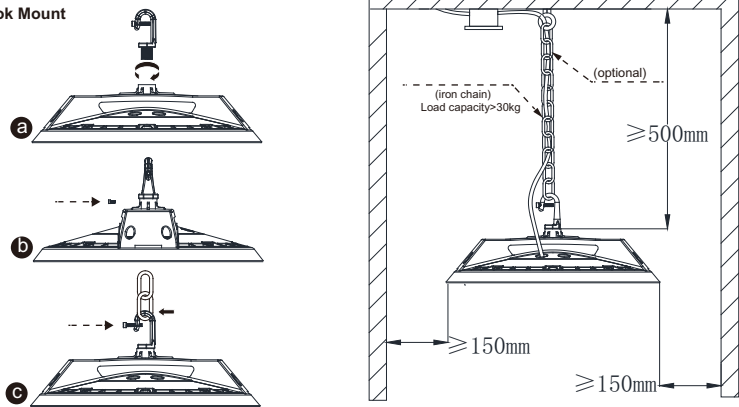
Installation Guide

GTL LIGHTING (SHEN ZHEN) CO.,LTD.

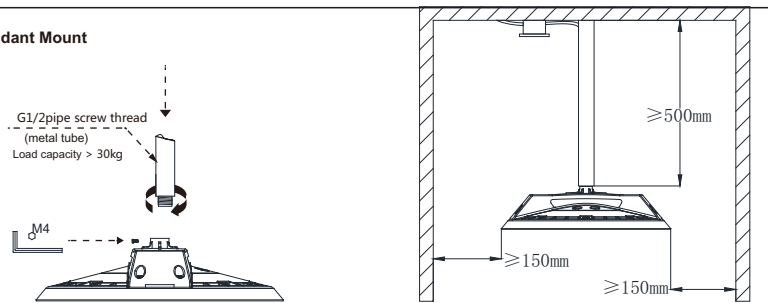
Wiring diagram



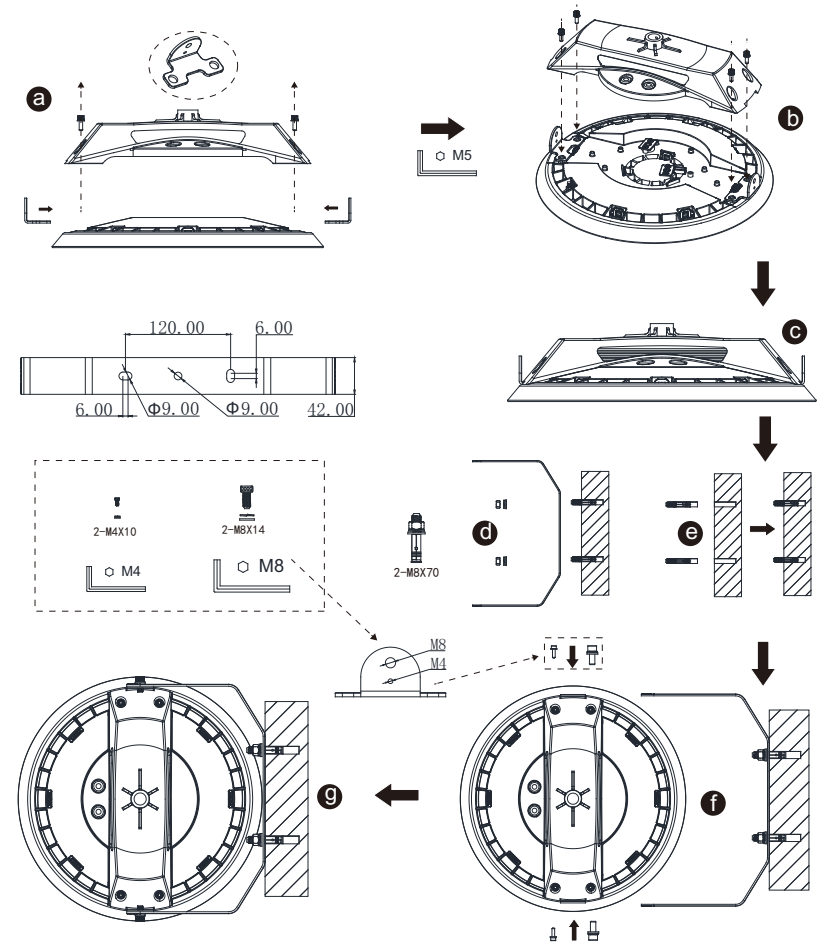
1- Hook Mount



2-Pendant Mount



3- Bracket Mount

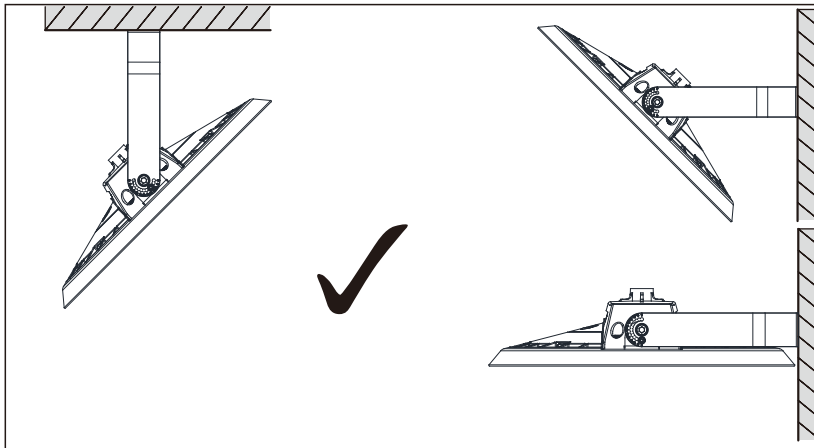


<http://www.gttlighting.com/>

High Bay Light

Installation Guide

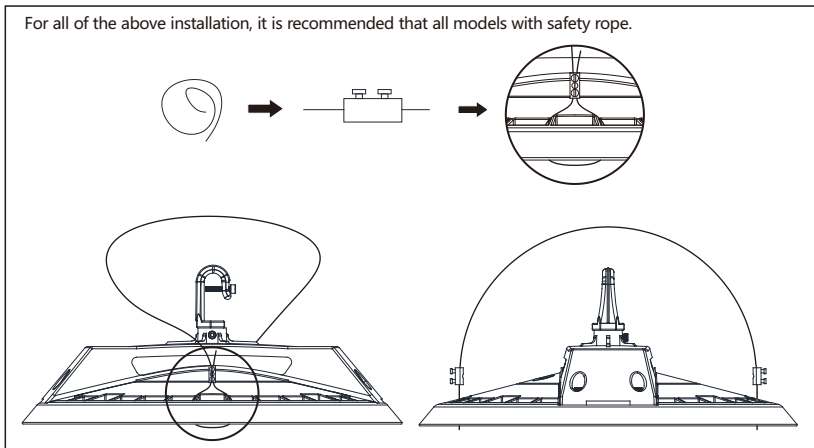
GTL LIGHTING (SHEN ZHEN) CO.,LTD.



- Read through this manual before installation.
- Handle the product with care.
- The product must be grounded.
- This product must be installed and maintained by certified electrician.
- Consult with the manufacturer before maintenance.
- Turn OFF the power before installation and maintenance.
- Make sure the products are securely installed.
- The housing might become hot after operation.
- Primary use : high-bay luminaires for commercial and industrial buildings.
- Make sure the construction is strong enough to support the products.
- The product will automatically shut down once the temperature goes too high; and will automatically turn on once it cools down.
- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire shall be destroyed.



For all of the above installation, it is recommended that all models with safety rope.



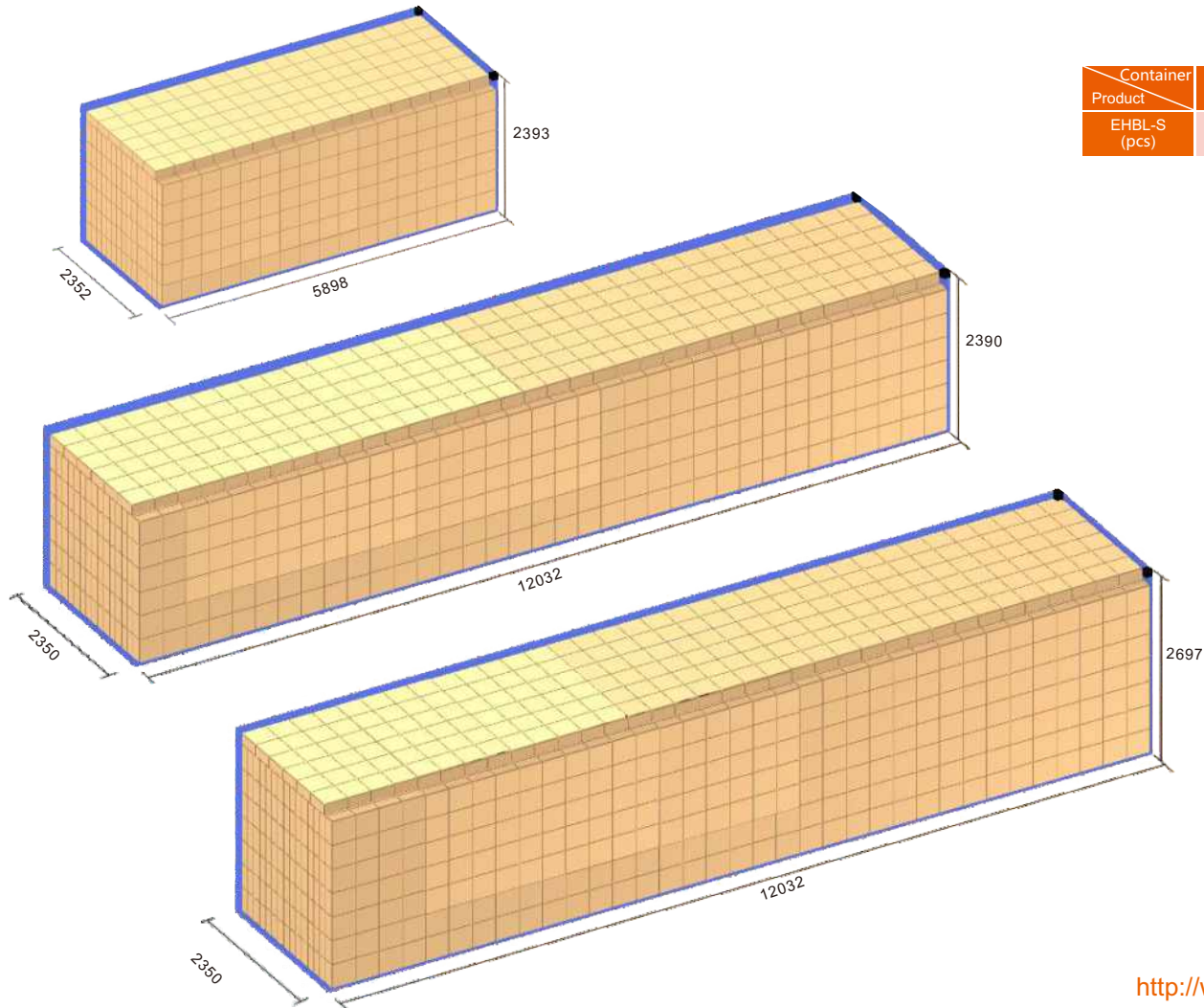
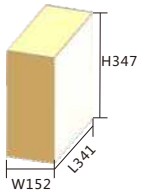
<http://www.gtlighting.com/>

High Bay Light

GTL LIGHTING (SHEN ZHEN) CO.,LTD.

Container volume calculation

Unit : mm



Container Product	20GP	40GP	40HC
EHBL-S (pcs)	1632	3360	3885

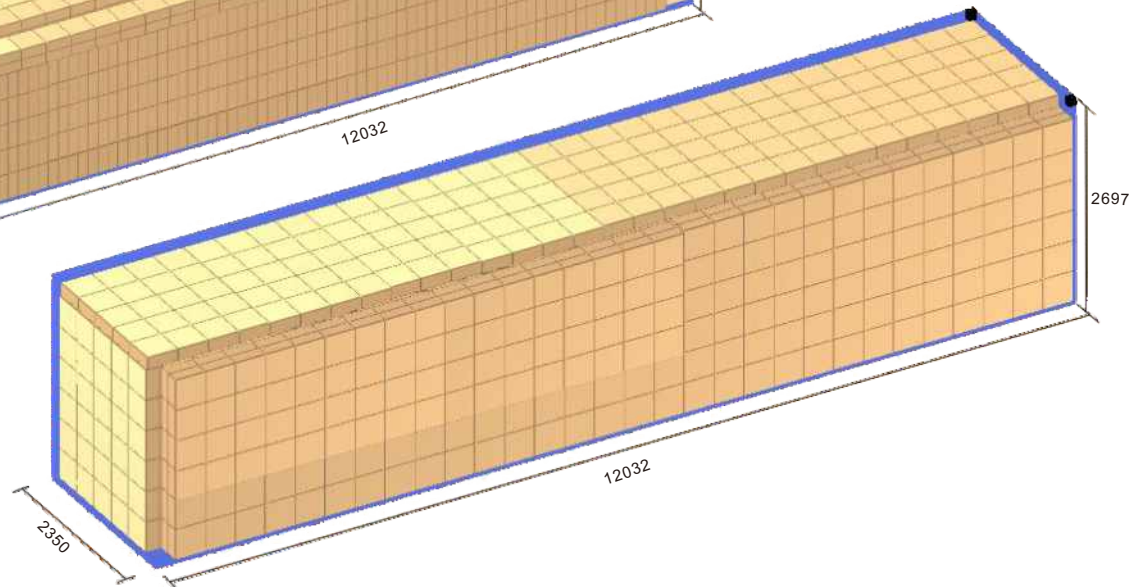
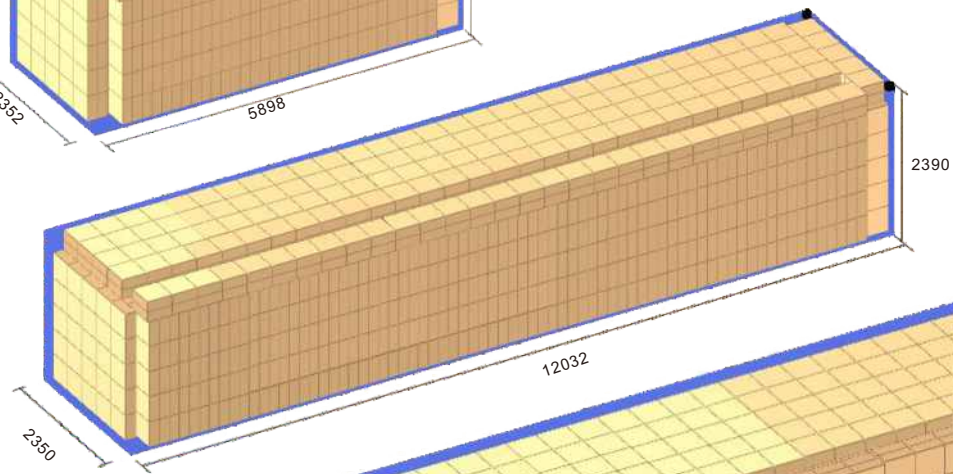
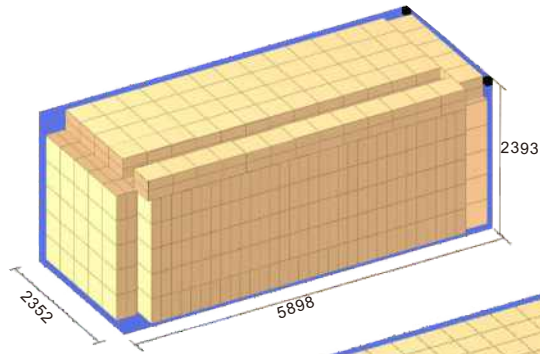
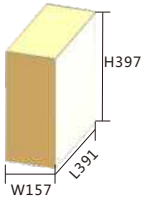
<http://www.gtlighting.com/>

High Bay Light

GTL LIGHTING (SHEN ZHEN) CO.,LTD.

Container volume calculation

Unit : mm



Container Product	20GP	40GP	40HC
EBL-M (pcs)	1200	2495	2790

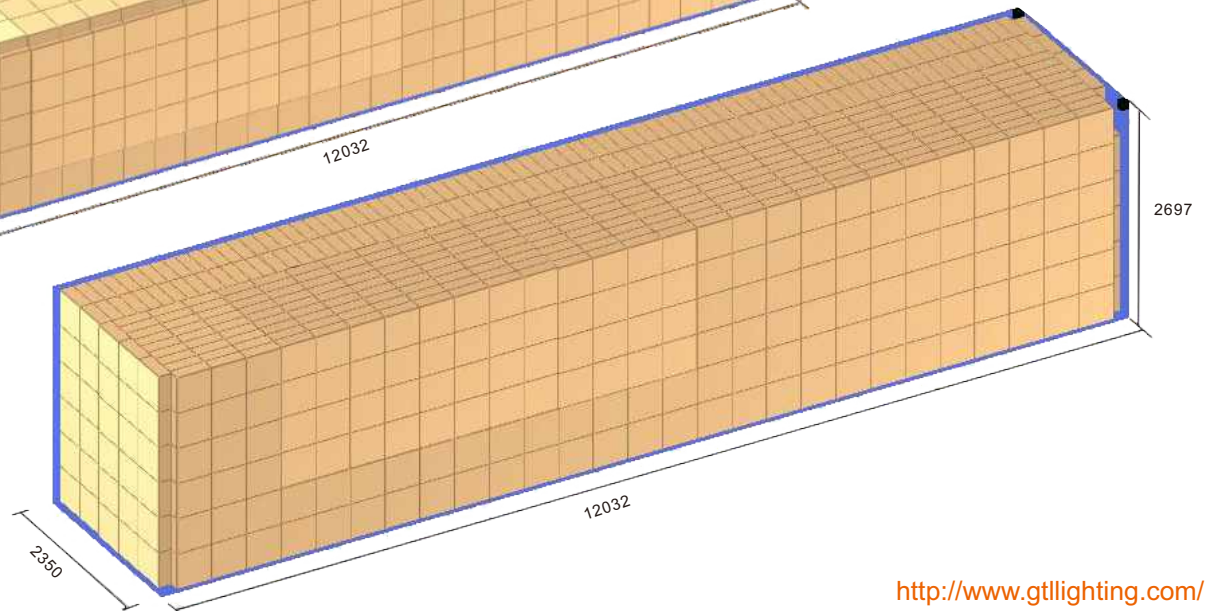
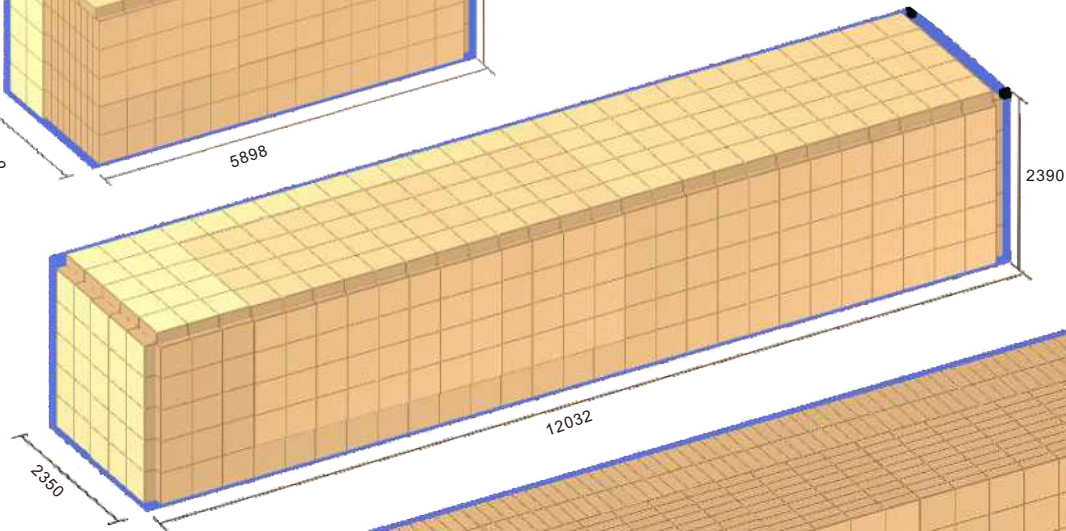
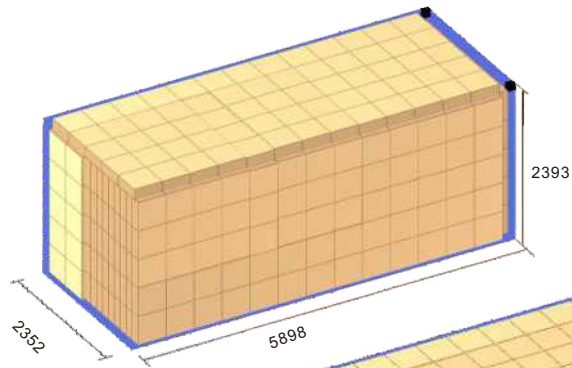
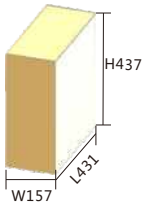
<http://www.gtlighting.com/>

High Bay Light

GTL LIGHTING (SHEN ZHEN) CO.,LTD.

Container volume calculation

Unit : mm



Container Product	20GP	40GP	40HC
EBL-L (pcs)	1035	2140	2405

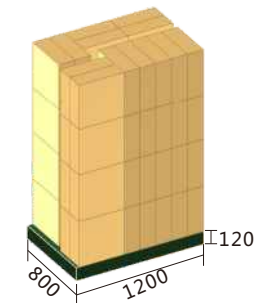
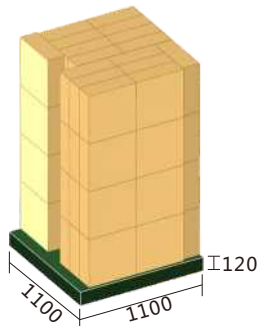
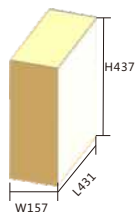
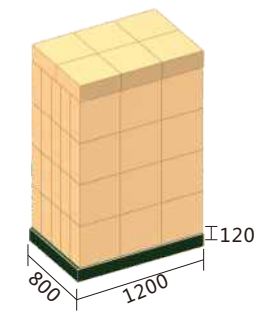
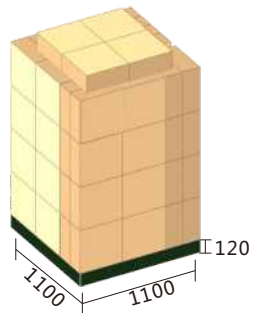
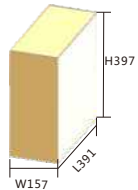
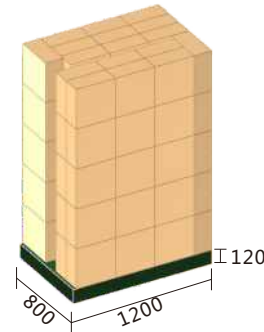
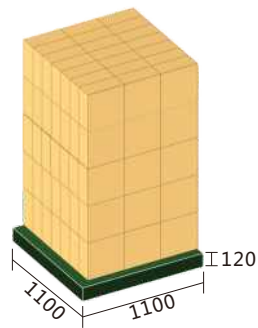
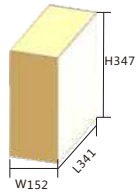
<http://www.gtlighting.com/>

High Bay Light

GTL LIGHTING (SHEN ZHEN) CO.,LTD.

Container volume calculation

Unit : mm



EHL-S	Container		20GP	40GP	40HC
	Pallets				
	Pallets(pcs) 1100*1100*120	105 pcs product/pallets	10	20	20
	Pallets(pcs) 1200*800*120	85 pcs product/pallets	11	24	24

EHL-M	Container		20GP	40GP	40HC
	Pallets				
	Pallets(pcs) 1100*1100*120	80 pcs product/pallets	10	20	20
	Pallets(pcs) 1200*800*120	66 pcs product/pallets	11	24	24

EHL-L	Container		20GP	40GP	40HC
	Pallets				
	Pallets(pcs) 1100*1100*120	64 pcs product/pallets	10	20	20
	Pallets(pcs) 1200*800*120	52 pcs product/pallets	11	24	24

<http://www.gtlighting.com/>

It's always a good choice

It's easy to find us

You can contact us in the following ways or leave us a message.

+86 755-23245019

GTL LIGHTING(SHEN ZHEN)CO.,LTD.

Address: zone A, floor 9, building 1, no. 28 cuijing road,
longtian street, pingshan new district, shenzhen city

Website: www.gtllighting.com