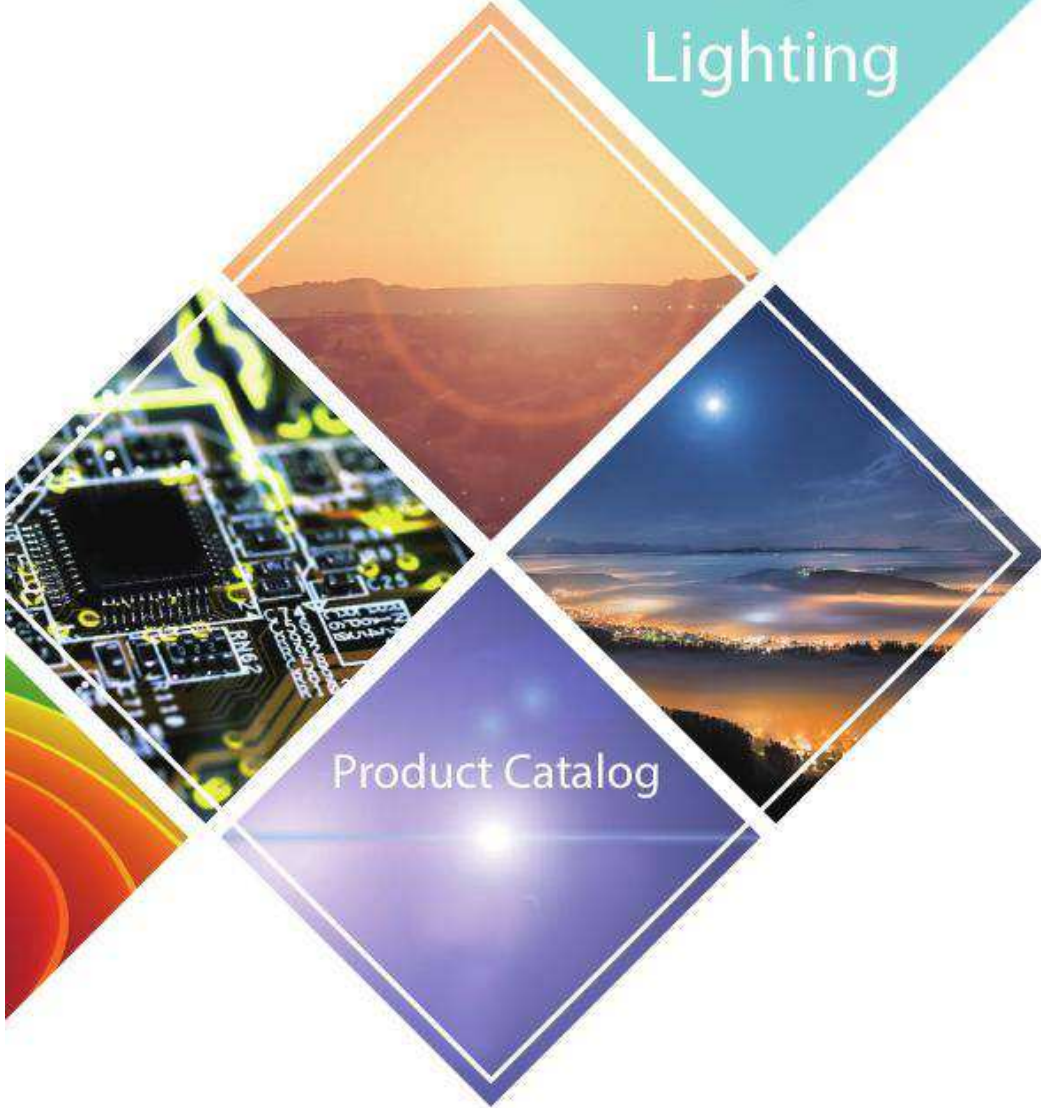




Lighta Min  
LED  
Lighting



Product Catalog

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# Lightamin

## About Lightamin

Lightamin is an international brand jointly developed by a Taiwanese company and a Japanese company. We provide professional and high quality lighting products with our mature technology and experience in LED lighting industry.

The inspiration of the brand name "Lightamin" is from the word "Vitamin". People need vitamin supplements everyday to maintain body's energy, just like that light is an essential element in our daily life. Thus, we named our brand "Lightamin".

Lightamin lighting uses branded LED chips and quality components, and designs to meet safety regulations. Lightamin lighting products not only achieve a long life time, but also maintain a consistency light quality, and achieve uniform lighting distribution with no flickering and light leaks to create a beautiful light.

Let Lightamin lighting bright up your life everyday, and create a comfortable lighting environment for you.

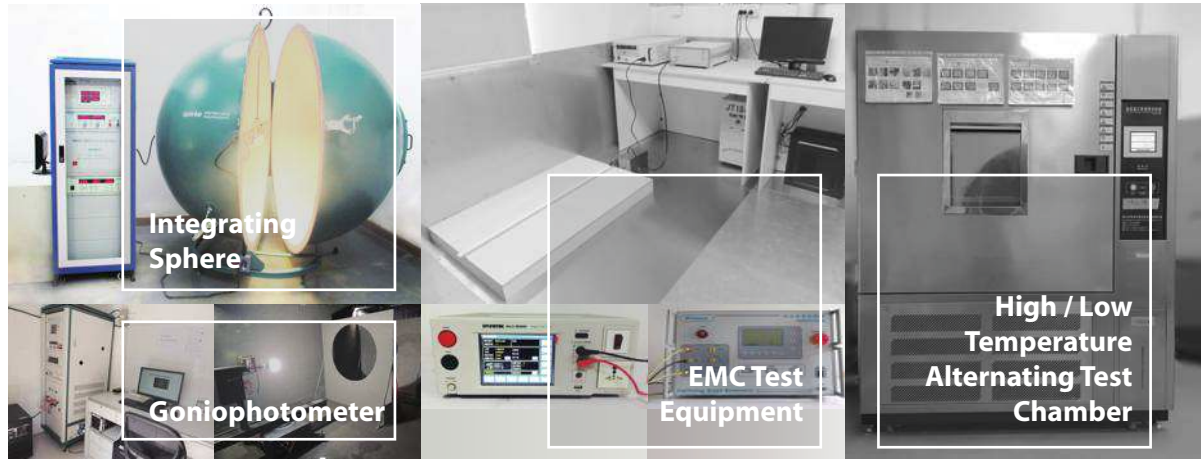
## Factory Overview

Lightamin's manufactory, established in 1983 in Taiwan, has over 20 years of experience in manufacturing and providing service in the electronic technology industry. For 10 years, the manufactory has cooperated with branded companies and devoted much effort and time to researching, developing, and manufacturing optoelectronic products.

The manufactory has two production facilities located in Shenzhen and in Suzhou, China. Both of them are qualified with international standard, including ISO9001, ISO14001, TS16949 and Sony GP. The manufactory also has precision instruments and equipment for testing and inspection, and rigorous quality control process from IQC, IPQC to OQC to make sure every manufacturing detail and assure the quality of products.



# Precision Testing & Measuring Instruments



# Excellent Production Environment

# Strict Quality Control



# Benefits of Using LED Lighting



**Longer Lifetime**



**High Efficiency**

Efficiency is up to 100 lm/W



**No UV and IR light**

Objects will not be damaged due to heat radiation



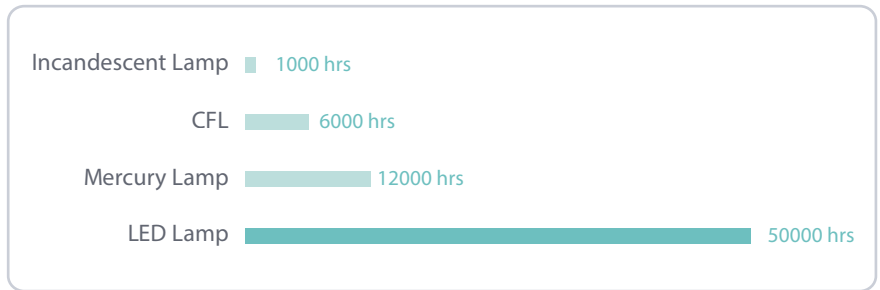
**Save Money on Electricity**

Compared to traditional incandescent lamp, LED lights will save around 70% of electricity



**Eco Friendly**

Contain no mercury or hazardous chemicals which can be harmful to the environment



## Why Choose Lightamin LED Lighting?

**Lighta Min**



**vs.**



**Low Quality LED Lighting**

High lumen maintenance

**LOW**

**Luminous Decay**



Becomes less bright after using for a period of time

Create comfortable lighting in the workplace

**NO**

**Flicker**



A poorly designed LED lighting can flicker. Flicker can cause eye strain, and affect work performance

50000 hours lifetime.  
Reduce replacements and maintenance cost

**Long**

**Lifetime**



Lifetime is around 20000~30000hours.  
It costs a lot to replace a light in high ceiling

Through our special optical design, provide uniform light distribution and visual comfort

**LOW**

**Glare**



Glare and visual discomfort

Decrease the required quantities to be installed and lower the electricity cost

**High**

**Efficiency**



Efficiency is lower than average

Utilize top brand LED chips makes color consistent

**Consistent**

**Color Temperature**



Utilize unbranded cheap LED chips, and make inconsistent color to affect visual appeal of space

All products comply with international safety regulations such as CCC, CE, CB, UL, TÜV, etc. It can prevent the product from getting fire, and it also has lightning and electric shock protection

**High**

**Safety**



Lighting fixtures which does not meet safety regulations might cause the following situations: unpredictable fire, electricity leakage and amaged by lightning strike

Strict requirement includes low harmonic, high power factor and electromagnetic compatibility to prevent the impact on power grid or surrounding electronic devices

**NO**

**Interference**  
Radio frequency /  
Electromagnetic



It will cause interference with signal and affect normal operation of some electronic devices

Compliance to RoHS and REACH that the restrictions of using certain hazardous substances in materials

**Good**

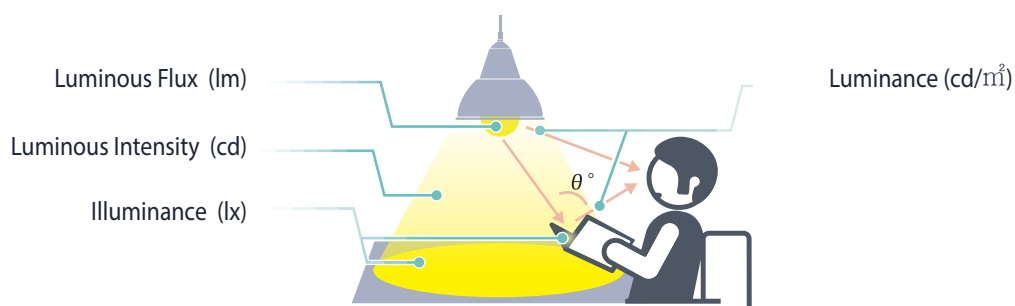
**Eco Friendly**



Use some hazardous substances in materials makes environmental pollution

# Basic Lighting Knowledge

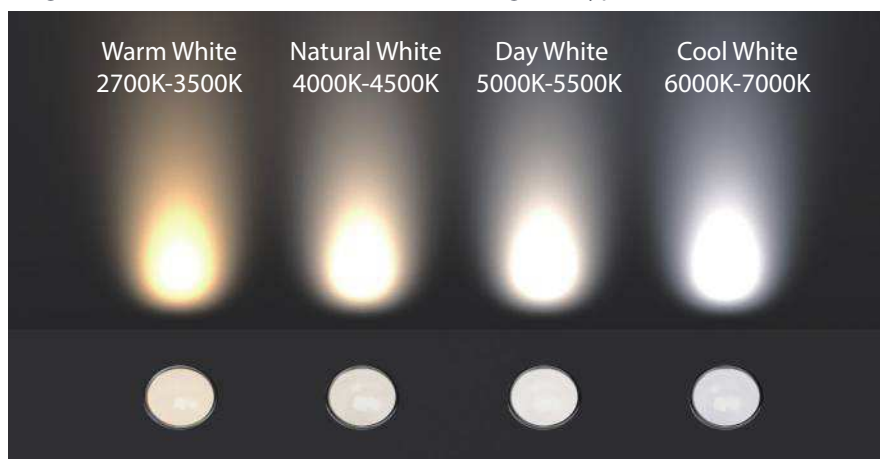
	UNIT	Definition
Luminous Flux $\phi$	lm	A quantitative expression of the brilliance of a source of visible light
Luminous Intensity $I$	cd	The flux flowing out of a source in a given direction per solid angle and it is used to quantify the power of a light source.
Illuminance $E$	lux	The total luminous flux incident on a surface per unit area
Luminance $L$	cd/m <sup>2</sup>	The concept for the luminous intensity emitted per unit of area of a surface in a specific direction.
Luminous Efficiency $\eta$	lm/W	A measure of the ability of a light source to produce a visual response from its power.



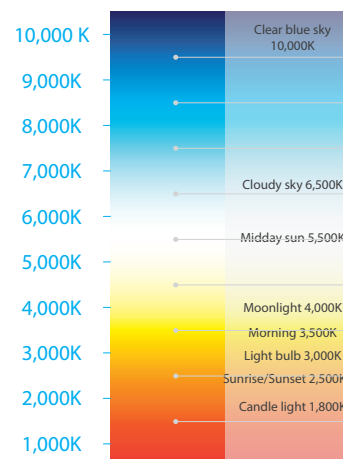
## Color Temperature $K$

A method of describing the color characteristics of light.

In general, it can be classified as the following four types:



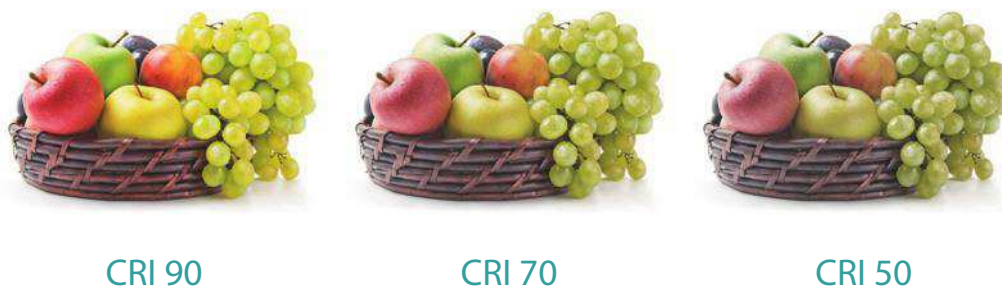
Color Temperature(K)









## Color Rendering Index $Ra$

The measurement of how colors look under a light source when compared with sunlight.

The higher the CRI rating (Ra) is, the better its color rendering ability.



# Specification Summary

Model	LT5 (p.9)	LT6 (p.12)	LB3 (p.16)	LB4 (p.18)	LFL1/LFL3 (p.22)	LHB3 (p.26)
Product						
Power	10W/12W/20W/27W/37W	5W/10W/12W/20W	18W/23W	18W/24W/30W/36W/48W/60W	35W/46W/75W/120W	50W/100W
CRI	>80	>80	>80	>80	>70	>80
Beam Angle	120°	120°	135°	127°	115°/80°~95°	127°
IP Rating	IP20	IP20	IP66	IP54	IP65	IP54
Operating Temp.	-20°~ +40°C	-20°~ +40°C	-20°~ +40°C	-20°~ +40°C	-20°~ +40°C	-20°~ +40°C
LED Driver	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in
LED Type	SMD	SMD	SMD	SMD	SMD	SMD
Lifetime*1	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs
Luminous Decay	LM-79	LM-79	LM-79	LM-79	LM-79	LM-79
Installation Type	-	-	-	Lampholder E27/E26	Ground mount Wall mount Pole mount	Chain Boom
Accessories	-	-	-	Aluminum lampshade/ Pendant lampholder	-	-
Color	-	-	White	White	White,Black	White,Black
Compliance	CE/CB/CCC/UL/TÜV/RoHS*2	CE/CB/CCC/UL/TÜV/RoHS	CE/CB/CCC/UL/TÜV/RoHS	CE/UL/TÜV/RoHS	CB/CCC/UL/TÜV/RoHS	CE/UL/TÜV/RoHS
Certification	-	-	-	CCC/CB	CE	CCC/CB










Remark \* 1. A viable lifetime of 50,000 hours will be achieved under normal operating conditions at 25°C \* 2. All products can apply for the above certification except for 2.4M tube

## Applications

Office	•	•	•			
Shops		•	•	•		
Hotel		•			•	
Display						
Residential Decoration		•			•	
Restaurant		•	•	•		
Grocery Store	•		•	•		
Hypermarket						•
Parking	•		•			
Warehouse				•		•
Factory				•		•
Distribution Center				•		•
Workshop	•					
Gymnasium						•
Yard			•		•	
Street			•		•	
Landscape					•	
Billboard					•	

## Place

## Recommended Installation Height of High Bay

	2M	3M	4M	5M	6M
Warehouse					
Factory/ Workshop/ Distribution Center/ Gymnasium					
Office					
Hypermarket					








\* Illuminance requirements is refer to CNS (National Standards of the Republic of China)

Model	LHB4 (p.28)	LHB5 (p.30)	LHB6/ LHB7(p.32)	LHB1/LHB2 (p.36)	LS2 (p40)	LSQ (p.42)
Product						
Power	150W/200W/300W	80W/110W	73W/91W/105W/150W	50W/80W/100W/115W	6.5W	50W/75W/100W
CRI	>80	>70	>80 / >70	>70	≥80	>80
Beam Angle	60°/60°/65°	110°	60° / 120°	120°/60°	30°	110°
IP Rating	IP20	IP20	IP52	IP65	IP20	IP20
Operating Temp.	-20°~ +40°C	-20°~ +40°C	-20°~ +40°C	-20°~ +40°C	-20°~ +40°C	-20°~ +40°C
LED Driver	External	External	External	Built-in	Built-in	Built-in
LED Type	COB	SMD	COB / SMD	COB	COB	SMD
Lifetime*1	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs
Luminous Decay	LM-79	LM-79	LM-79	LM-79	LM-79	LM-79
Installation Type	Bracket Chain Boom	Bracket Chain	Bracket Chain Boom	Bracket Chain Boom	2-wire/ 3-wire rail track	Surface mounted Recessed Pendant
Accessories	Protective metal wire guard	-	-	PC/Aluminum lampshade	-	-
Color	White,Black	Silver	White	White	White,Black	White
Compliance	CE/UL/TÜV/RoHS	CE/CB/CCC/UL/TÜV/RoHS	CE/CB/UL/TÜV/RoHS	CE/CB/CCC/UL/TÜV/RoHS	CE/CB/CCC/UL/TÜV/RoHS	CE/CB/CCC/UL/TÜV/RoHS
Certification	CCC/CB	-	CCC	-	-	-

Remark \*1. A viable lifetime of 50,000 hours will be achieved under normal operating conditions at 25°C

## Applications

Office						•
Shops						•
Hotel						•
Display						•
Residential Decoration						•
Restaurant						
Grocery Store						•
Hypermarket	•	•	•	•		
Parking						•
Warehouse	•	•	•	•		•
Factory	•	•	•	•		
Distribution Center	•	•	•	•		•
Workshop						•
Gymnasium	•	•	•	•		
Yard						
Street						
Landscape						
Billboard						

Place	Recommended Installation Height of High Bay					
	7M	8M	10M	11M	12M	14M
Warehouse						
Factory/ Workshop/ Distribution Center/ Gymnasium						
Office						
Hypermarket						

\* Illuminance requirements is refer to CNS (National Standards of the Republic of China)



# LED Tube Series

## Indirect Lighting Series



## Installation Method



Lampholder



T8, G13 Tube  
13 mm



## LED Lamp

Warehouse



Hotel



Parking



Supermarket



Office



Shops



# LED T8 Tube Series

## LT 5



10 ~ 37W



Ra >80



50,000 hrs



~115 lm/W



120°



IP20



## FEATURES

### Reduce Energy Consumption

\* Energy saving up to 50% compared to fluorescent lamps

### Easy to Install

\* Replace T8 fluorescent tube directly and install easily

### Longer Lifetime

\* Utilize top brand LED chips for longer life and superior output maintenance.

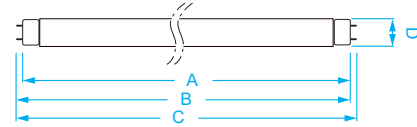
\* Reduce replacements and maintenance costs.

### Special Optical Design

\* Uniform light without glare and flicker

### Suitable for Low Temperature Environment

\* It can maintain normal operation at -25°C



	mm			
Power	A Max.	B Max.	C Max.	D Max.
10 W	589.8	596.9	604.0	29.3
12 W	894.6	901.7	908.8	29.3
20 W	1199.4	1206.5	1213.6	29.3
28 W	1199.0	1206.5	1213.6	29.3
33 W	1499.0	1506.1	1513.0	29.3
37 W	2367.0	2374.1	2381.0	29.3

## SPECIFICATION

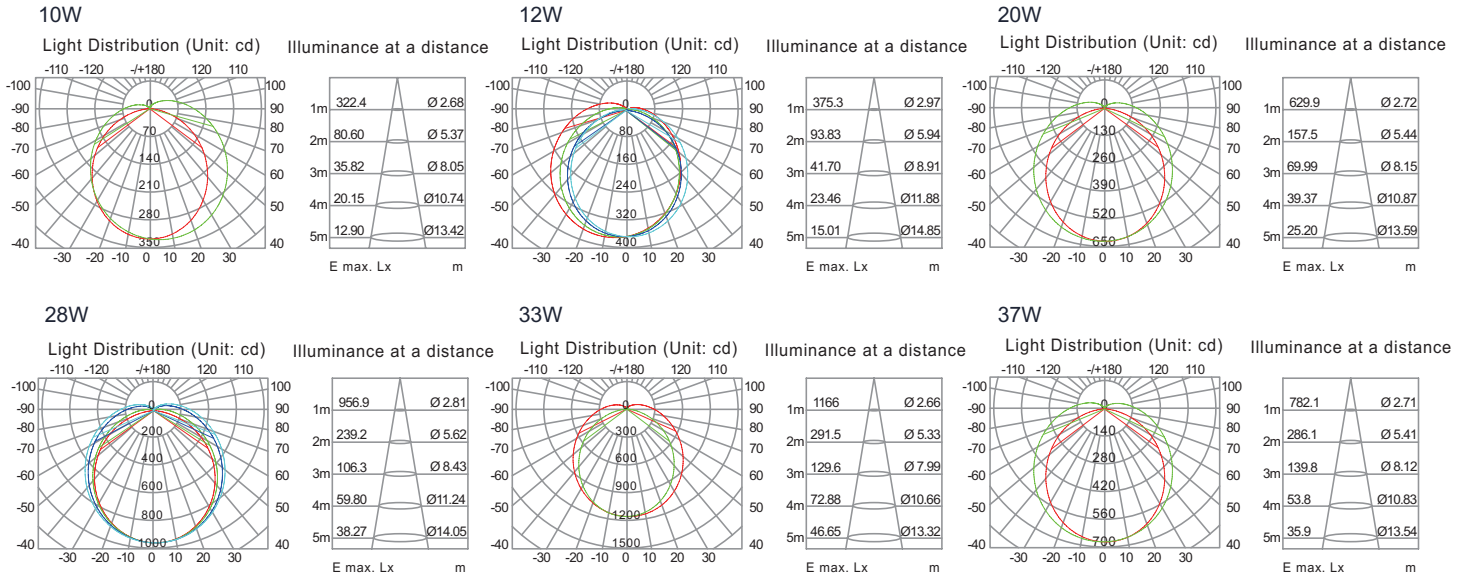
Model	Power	Luminous Flux	Color Temp.	CRI	Beam Angle	Input Voltage	Input Current	Luminous Efficiency	Lifetime	Weight	Wattage Equivalent (fluorescent lamp)	Dimension (mm)
LT520A	10W	1150 lm	6500 K	> 80	120 °	100 - 240V	0.04 - 0.1 A	115 lm/w	50,000 hrs	212 g	20W	600
LT520B		1150 lm	5000 K					115 lm/w				
LT520C		1120 lm	4000 K					112 lm/w				
LT520D		1000 lm	3000 K					100 lm/w				
LT522A	12W	1350 lm	6500 K	> 80	120 °	100 - 240V	0.04 - 0.11 A	115 lm/w	50,000 hrs	212 g	20W	900
LT522B		1350 lm	5000 K					115 lm/w				
LT522C		1300 lm	4000 K					112 lm/w				
LT522D		1200 lm	3000 K					100 lm/w				
LT540A	20W	2300 lm	6500 K	> 80	120 °	100 - 240V	0.08 - 0.2 A	115 lm/w	50,000 hrs	395 g	40W	1200
LT540B		2300 lm	5000 K					115 lm/w				
LT540C		2240 lm	4000 K					112 lm/w				
LT540D		2000 lm	3000 K					100 lm/w				
LT448A	28W	3200 lm	6500 K	> 80	120 °	100 - 240V	0.11 - 0.3 A	115 lm/w	50,000 hrs	470 g	100W	1200
LT448B		3200 lm	5000 K					115 lm/w				
LT448C		3040 lm	4000 K					112 lm/w				
LT448D		2700 lm	3000 K					100 lm/w				

\* Data based on available wattages and LED solutions.

# LT5

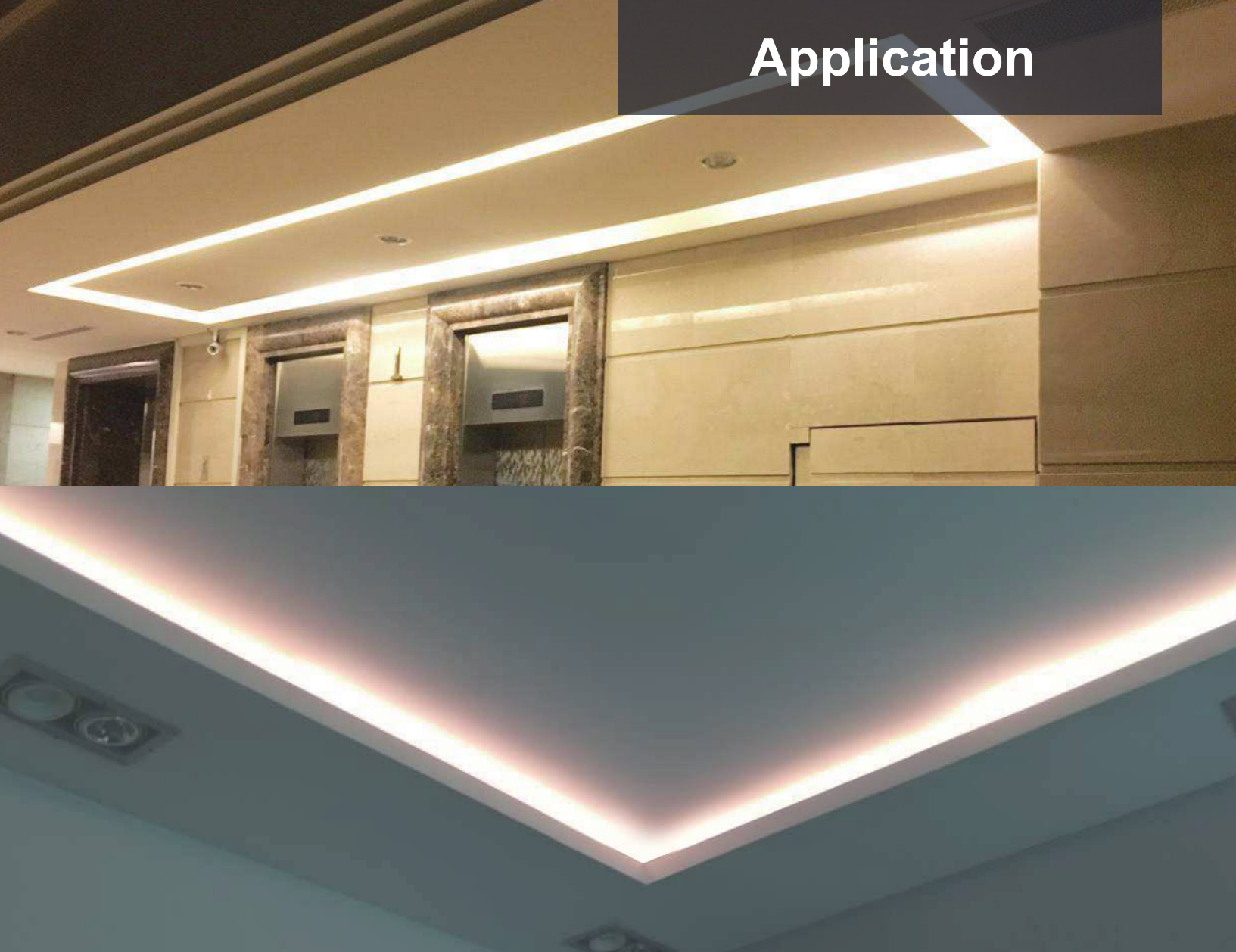
Model	Power	Luminous Flux	Color Temp.	CRI	Beam Angle	Input Voltage	Input Current	Luminous Efficiency	Lifetime	Weight	Wattage Equivalent (fluorescent lamp)	Dimension (mm)
LT5A0A	33W	3800 lm	6500 K	> 80	120 °	100 - 240V	0.11 - 0.3 A	115 lm/w	50,000 hrs	480 g	100W	1500
LT5A0B		3894 lm	5000 K					118 lm/w				
LT5A0C		3700 lm	4000 K					112 lm/w				
LT5A0D		3300 lm	3000 K					100 lm/w				
LT5A1A	37W	4400 lm	6500 K	> 80	120 °	100 - 240V	0.16 - 0.41 A	115 lm/w	50,000 hrs	710 g	110W	2400
LT5A1B		4400 lm	5000 K					115 lm/w				
LT5A1C		4200 lm	4000 K					112 lm/w				
LT5A1D		3700 lm	3000 K					100 lm/w				

\* Data based on available wattages and LED solutions.

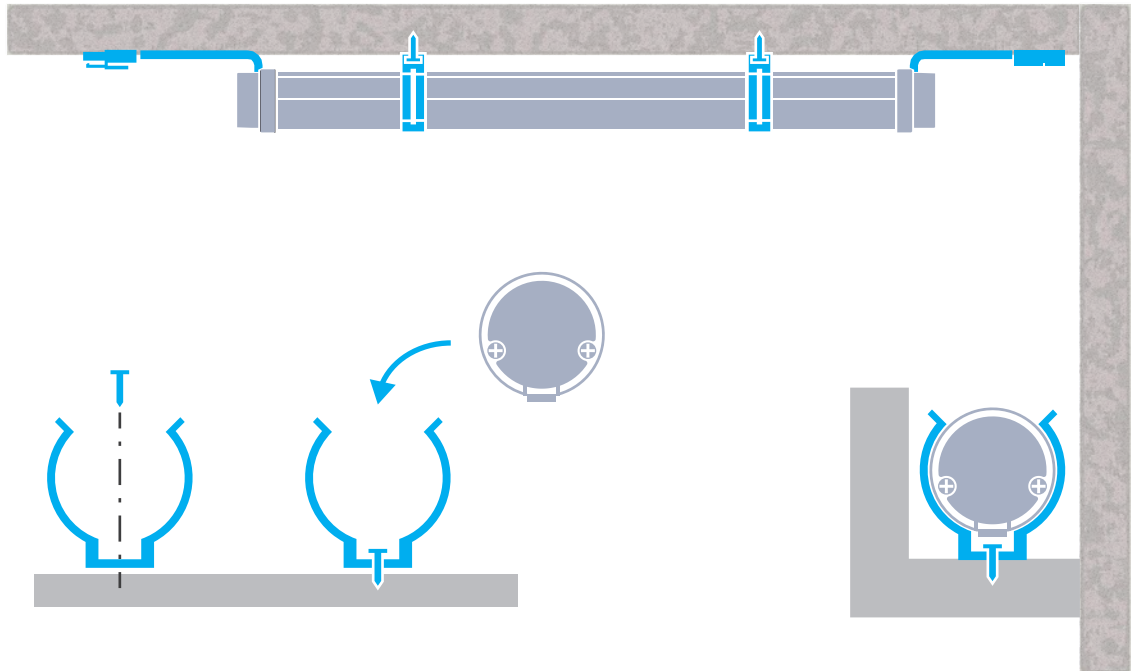


\* 37W Data for reference only

# Application



## Installation Method



## Applications

Office



Shops



Hotel



Residential  
Decoration



# Indirect Lighting Series

## LT 6



5 ~ 20W



Ra >80



50,000 hrs



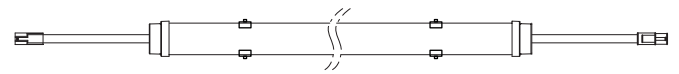
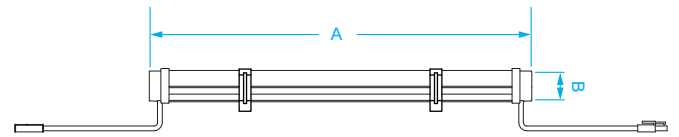
~115 lm/W



120°



IP20



## FEATURES

### Even and Unshadowed Lighting

- \* Decrease shadows and reflected glare.
- \* Suitable for rooms with reflective surfaces such as computers or TV

### Improved visual comfort

- \* Glare-free lighting environment increases perception of comfort within the space

### Easy to install

- \* Simple design makes it easy to be installed

### Reduce Energy Consumption

- \* Energy saving up to 50% compared to fluorescent lamps

### Longer Lifetime

- \* Reduce replacements and maintenance costs.

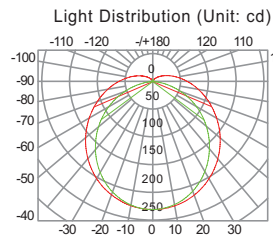
Power	mm	
	A	B
5 W	328.6	30
10 W	586.6	30
12 W	897.6	30
20 W	1196.6	30

## SPECIFICATION

Model	Power	Luminous Flux	Color Temp.	CRI	Beam Angle	Input Voltage	Input Current	Luminous Efficiency	Lifetime	Weight	Wattage Equivalent (fluorescent lamp)	Dimension (mm)
LT605A	5W	575 lm	6500 K	> 80	120 °	100 - 240V	0.04 - 0.1 A	115 lm/w	50,000 hrs	150 g	20W	300
LT605B		575 lm	5000 K					115 lm/w				
LT605C		560 lm	4000 K					112 lm/w				
LT605D		500 lm	3000 K					100 lm/w				
LT610A	10W	1150 lm	6500 K	> 80	120 °	100 - 240V	0.04 - 0.1 A	115 lm/w	50,000 hrs	212 g	20W	600
LT610B		1150 lm	5000 K					115 lm/w				
LT610C		1120 lm	4000 K					112 lm/w				
LT610D		1000 lm	3000 K					100 lm/w				
LT612A	12W	1350 lm	6500 K	> 80	120 °	100 - 240V	0.08 - 0.11 A	115 lm/w	50,000 hrs	212 g	20W	900
LT612B		1350 lm	5000 K					115 lm/w				
LT612C		1300 lm	4000 K					112 lm/w				
LT612D		1200 lm	3000 K					100 lm/w				
LT620A	20W	2300 lm	6500 K	> 80	120 °	100 - 240V	0.08 - 0.2 A	115 lm/w	50,000 hrs	395 g	40W	1200
LT620B		2300 lm	5000 K					115 lm/w				
LT620C		2240 lm	4000 K					112 lm/w				
LT620D		2000 lm	3000 K					100 lm/w				

\* Data based on available wattages and LED solutions.

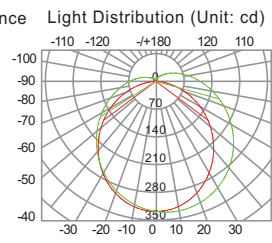
## 5W



Illuminance at a distance

Distance (m)	Max. Illuminance (lx)	Beam Diameter (m)
1m	202.7	Ø 2.69
2m	50.69	Ø 5.39
3m	22.53	Ø 8.08
4m	12.67	Ø 10.77
5m	8.11	Ø 13.47

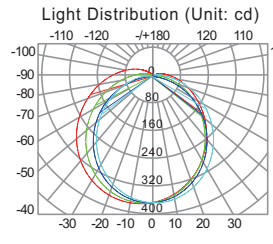
## 10W



Illuminance at a distance

Distance (m)	Max. Illuminance (lx)	Beam Diameter (m)
1m	322.4	Ø 2.68
2m	80.60	Ø 5.37
3m	35.82	Ø 8.05
4m	20.15	Ø 10.74
5m	12.90	Ø 13.42

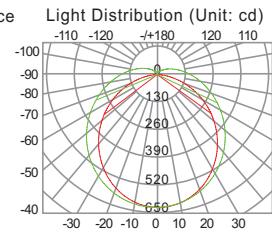
## 12W



Illuminance at a distance

Distance (m)	Max. Illuminance (lx)	Beam Diameter (m)
1m	375.3	Ø 2.97
2m	93.83	Ø 5.94
3m	41.70	Ø 8.91
4m	23.46	Ø 11.88
5m	15.01	Ø 14.85

## 20W



Illuminance at a distance

Distance (m)	Max. Illuminance (lx)	Beam Diameter (m)
1m	629.9	Ø 2.72
2m	157.5	Ø 5.44
3m	69.99	Ø 8.15
4m	39.37	Ø 10.87
5m	25.20	Ø 13.59

LED Bulb Series  
LED Globe Lite Series



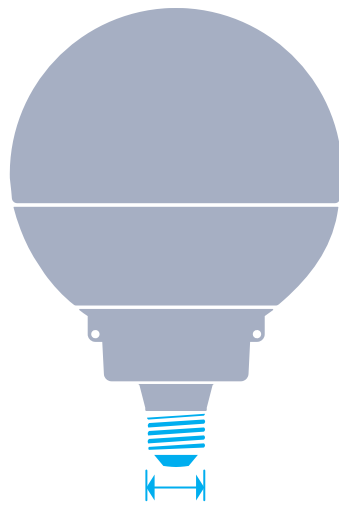
# Application



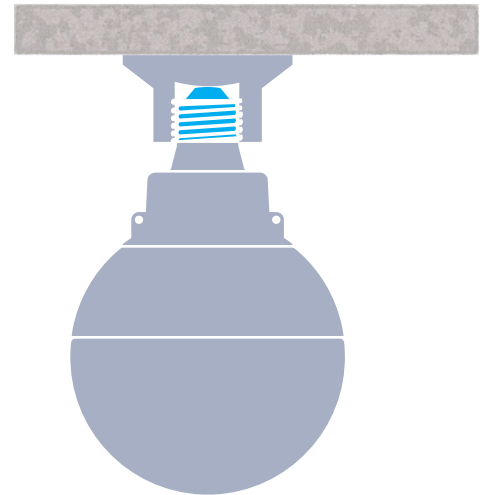
## Installation Method



Lampholder



27 mm



## LED Lamp

Yard



Street



Grocery Store



Office



Shops / Restaurant



# Waterproof LED Light Bulb Series

## LB3



18 / 23W



Ra >80



50,000 hrs



~105 lm/W



135°



IP66



### FEATURES

#### IP66

\* Waterproof design makes it suitable for both indoor and outdoor applications

#### Easy to Install

\* Direct replacement of existing halogen, incandescent or CFL Lamps

#### Longer Lifetime

\* Lower lamp replacements and maintenance costs

#### Special Thermal Design

\* Fin-less aluminum heat sink design makes no dust accumulation and reduces operating temperature issues

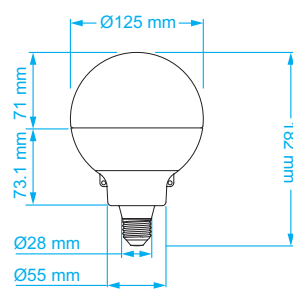
#### Special Optical Design

\* Achieve uniform light distribution

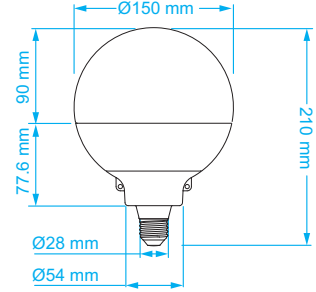
#### Simple & Elegant Appearance

\* It can be used in a wide range of applications

#### Anti-UV and No RF Interference



18 W



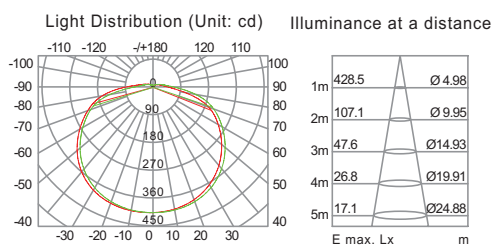
23 W

### SPECIFICATION

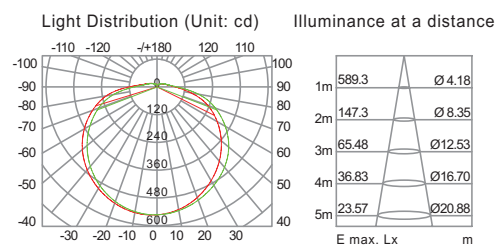
Model	Power	Luminous Flux	Color Temp.	CRI	Beam Angle	Input Voltage	Input Current	Luminous Efficiency	Lifetime	Weight	Wattage Equivalent (Incandescent)
LB318A	18W	1890 lm	6500 K	> 80	135°	100 - 240V	0.08 - 0.23 A	105 lm/w	50,000 hrs	436g	150W
LB318B		1800 lm	5000 K					100 lm/w			
LB318C		1800 lm	4000 K					100 lm/w			
LB318D		1620 lm	3000 K					90 lm/w			
LB323A	23W	2415 lm	6500 K	> 80	135°	100 - 240V	0.1 - 0.25 A	105 lm/w	50,000 hrs	632g	200W
LB323B		2300 lm	5000 K					100 lm/w			
LB323C		2300 lm	4000 K					100 lm/w			
LB323D		2070 lm	3000 K					90 lm/w			

\* Data based on available wattages and LED solutions.

18W



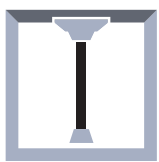
23W



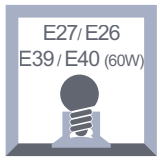
# Application



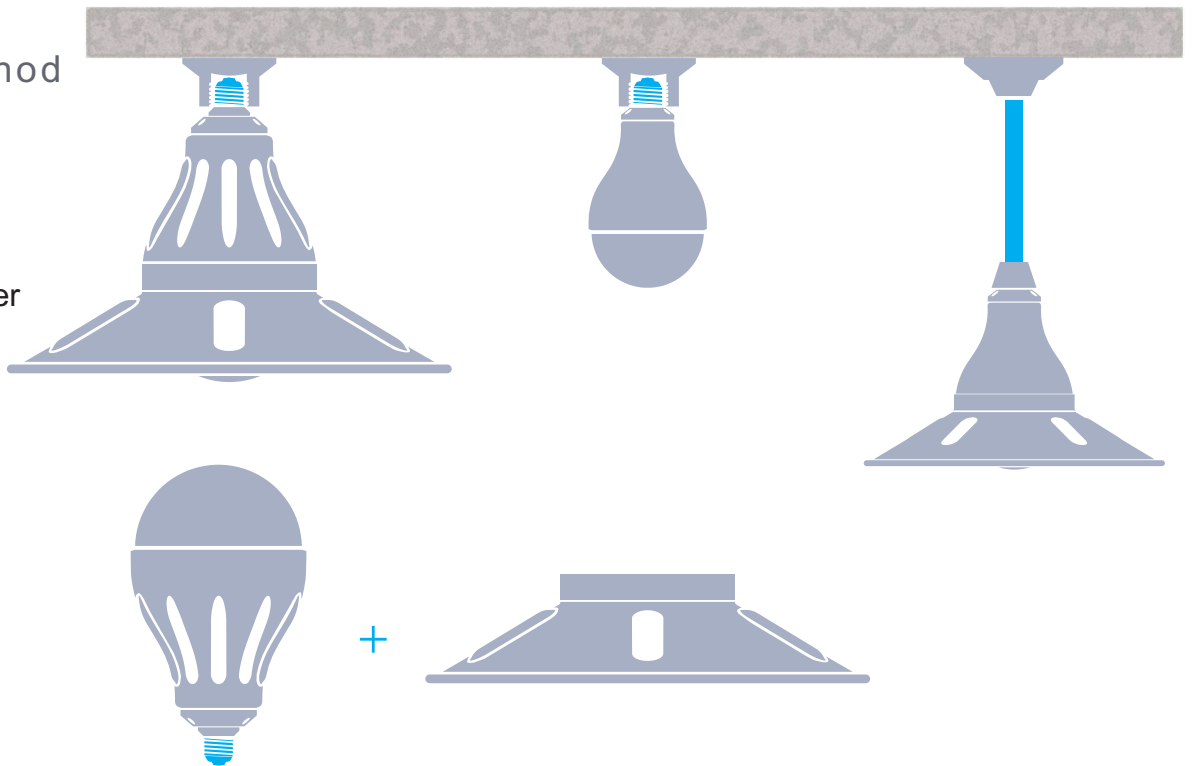
## Installation Method



Pendant lampholder



Lampholder



## LED Lamp

Warehouse



Hotel



Parking



Grocery Store



Office



Shop/ Restaurant



# LED Globe Lite Series

## LB4



18~60W



Ra >80



50,000 hrs



~105 lm/W



127°



IP54



### FEATURES

#### Used in a Variety of Applications

- \* Easily attach lampshade - no tools required, and suitable for various applications
- \* Optional aluminum lampshade for decorative use

#### Longer Lifetime

- \* The lifetime of LED bulb is about 8 times of CFL lamp, and about 50 times of incandescent lamp.
- \* Utilize top brand LED chips for longer life and superior output maintenance.
- \* Reduce Replacements & Maintenance Cost

#### High Light Transmittance: UP to 90%

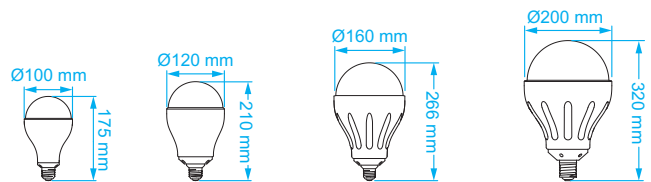
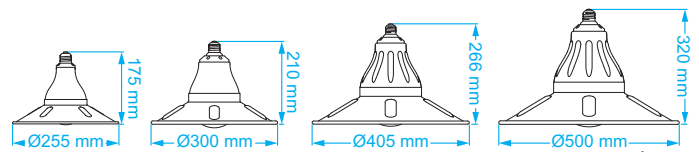
- \* Achieve uniform light distribution through high transmittance PC material and special optical design.

#### Compact Design & Easy to Clean

- \* Fin-less aluminum heat sink design makes no dust accumulation and reduces operating temperature issues.

#### Replacement of Traditional Lamp & Save Energy

- \* Direct replacement of existing incandescent, halogen or CFL Lamps
- \* Efficiently save energy and cut down electricity bill



18W

24W / 30W

36W / 48W

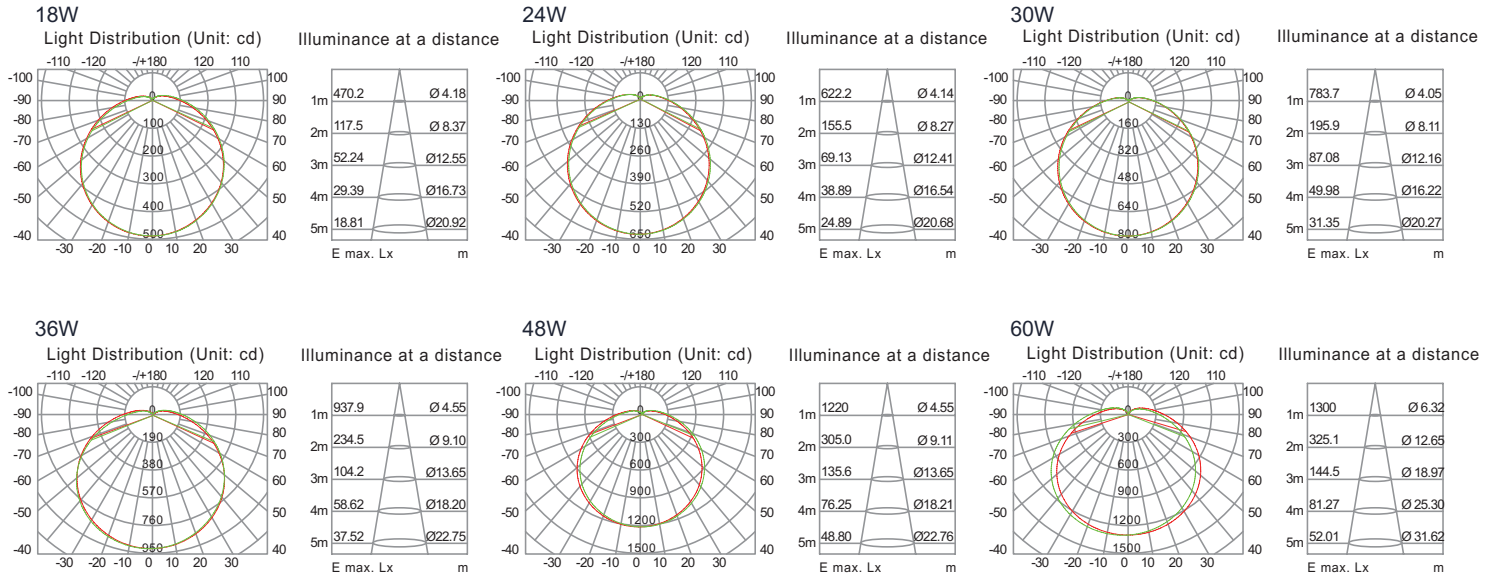
60W

### SPECIFICATION

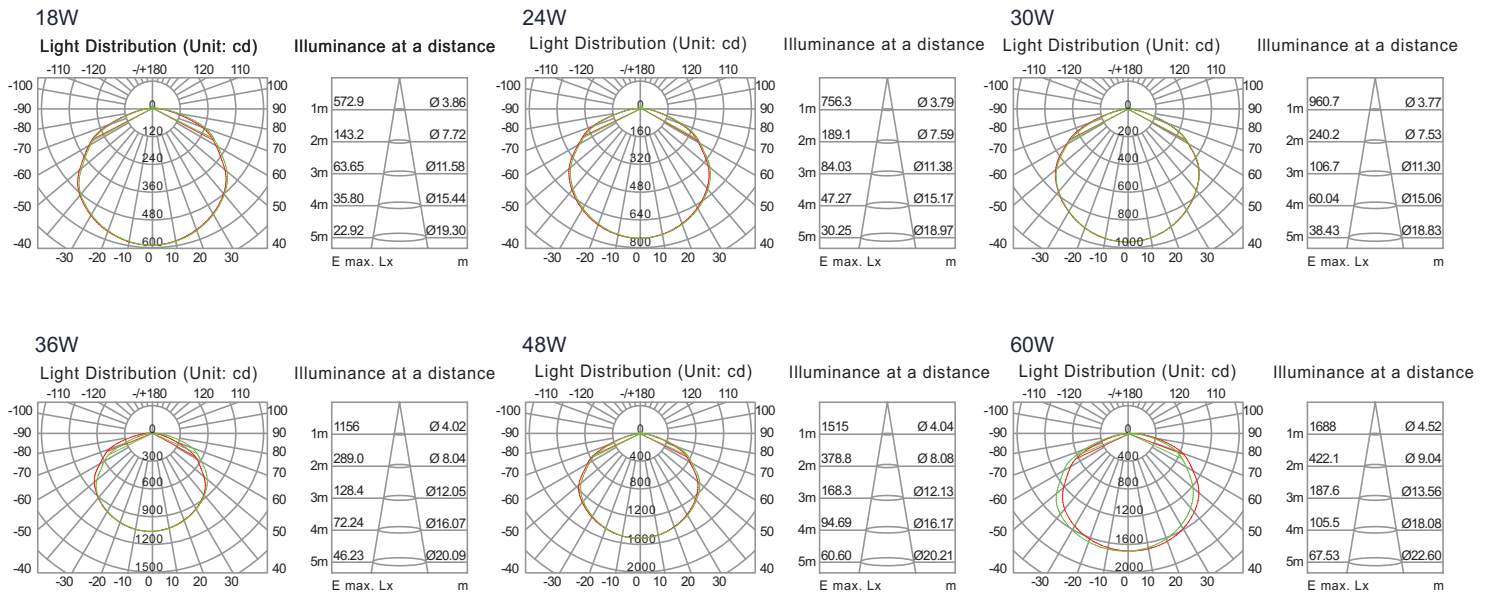
Model	Power	Luminous Flux	Color Temp.	CRI	Beam Angle	Input Voltage	Input Current	Luminous Efficiency	Lifetime	Weight	Wattage Equivalent (Incandescent)	Base
LB418A	18W	1890 lm	6500 K	> 80	127°	100 - 240V	0.08 - 0.19 A	105 lm/w	50,000 hrs	236 g	150W	E26 / E27
LB418B		1890 lm	5000 K					105 lm/w				
LB418C		1710 lm	4000 K					95 lm/w				
LB418D		1566 lm	3000 K					87 lm/w				
LB424A	24W	2520 lm	6500 K	> 80	127°	100 - 240V	0.10 - 0.25 A	105 lm/w	50,000 hrs	406 g	200W	E26 / E27
LB424B		2520 lm	5000 K					105 lm/w				
LB424C		2280 lm	4000 K					95 lm/w				
LB424D		2088 lm	3000 K					87 lm/w				
LB430A	30W	3150 lm	6500 K	> 80	127°	100 - 240V	0.13 - 0.31 A	105 lm/w	50,000 hrs	407 g	250W	E26 / E27
LB430B		3150 lm	5000 K					105 lm/w				
LB430C		2850 lm	4000 K					95 lm/w				
LB430D		2610 lm	3000 K					87 lm/w				
LB436A	36W	3780 lm	6500 K	> 80	127°	100 - 240V	0.16 - 0.37 A	105 lm/w	50,000 hrs	668 g	300W	E26 / E27
LB436B		3780 lm	5000 K					105 lm/w				
LB436C		3492 lm	4000 K					97 lm/w				
LB436D		3240 lm	3000 K					90 lm/w				
LB448A	48W	5040 lm	6500 K	> 80	127°	100 - 240V	0.21 - 0.49 A	105 lm/w	50,000 hrs	669 g	400W	E26 / E27
LB448B		5040 lm	5000 K					105 lm/w				
LB448C		4656 lm	4000 K					97 lm/w				
LB448D		4320 lm	3000 K					90 lm/w				
LB460A	60W	6300 lm	6500 K	> 80	127°	100 - 240V	0.28 - 0.60 A	105 lm/w	50,000 hrs	1330 g	500W	E39 / E40
LB460B		6300 lm	5000 K					105 lm/w				
LB460C		5820 lm	4000 K					97 lm/w				
LB460D		5400 lm	3000 K					90 lm/w				

\* Data based on available wattages and LED solutions.

# LED Globe Lite Series



## With Aluminum Lampshade



# LED Flood Light

# Application



## Installation Method



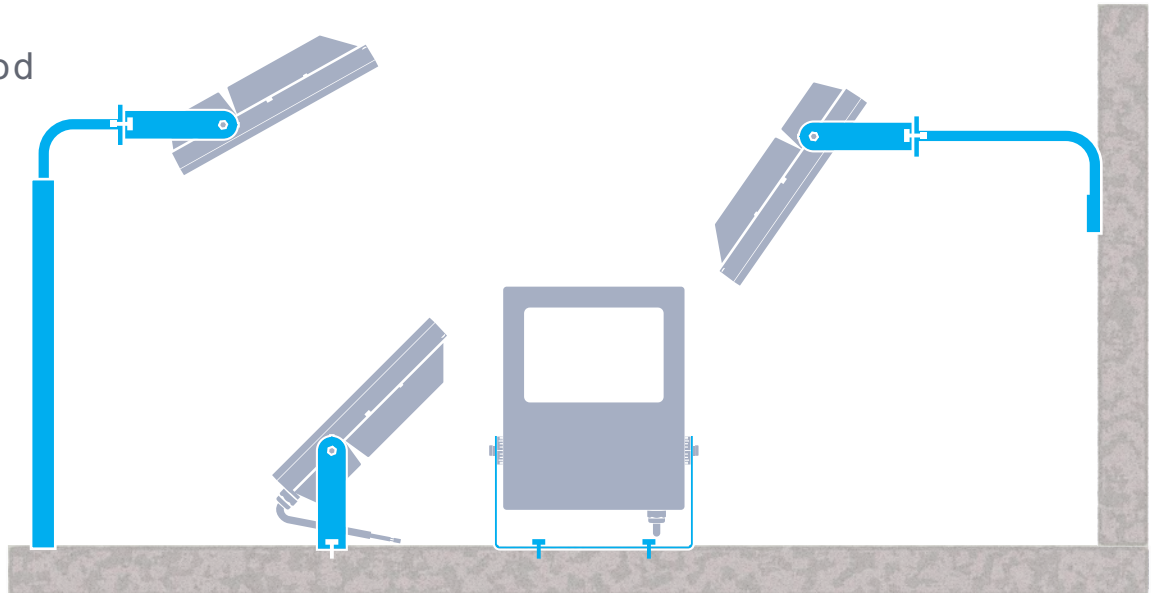
Ground mount



Wall mount



Pole mount



## Applications

Yard



Street



Landscape



Gymnasium



Billboard



# LED Flood Light Series

## LFL1/LFL3



35~120W



Ra >70



50,000 hrs



~115 lm/W



115 °/80~95°



IP65



### FEATURES

#### IP65 Waterproof Design

- \* Suitable for outdoor use
- \* Special mechanical design to prevent water trapping
- \* Die cast aluminum housing with polyester powder coating provides excellent protection against rust

#### Adjustable Irradiation Angle

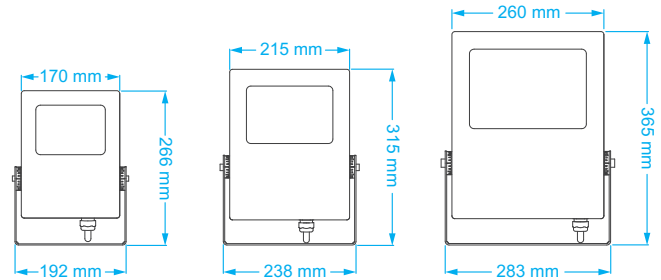
- \* Use as an uplight or downlight makes it ideal for variety of applications
- \* Simple and compact design makes it easy to be installed

#### Longer Lifetime

- \* Utilize top brand LED chips for longer life and superior output maintenance.

#### Special Optical Design

- \* Achieve uniform light distribution
- \* Tempered glass: heat resistant and impact resistant



35W / 46W

75W

120W

### SPECIFICATION

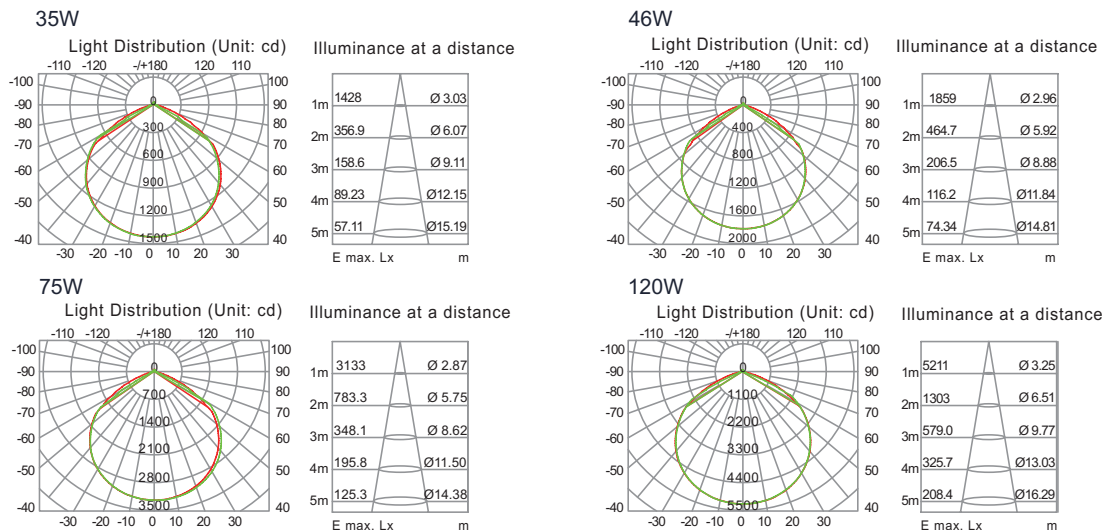
#### LFL1 (Symmetrical Light Distribution)

Model	Power	Luminous Flux	Color Temp.	CRI	Beam Angle	Input Voltage	Input Current	Luminous Efficiency	Lifetime	Weight	Wattage Equivalent (Mercury Lamp)
LFL1035A	35W	3570 lm	6500 K	> 70	115 °	110 - 240V	0.13 - 0.55 A	102 lm/w	50,000 hrs	2.2 Kg	125W
LFL1035B		3570 lm	5000 K					102 lm/w			
LFL1035C		3500 lm	4000 K					100 lm/w			
LFL1035D		3185 lm	3000 K					91 lm/w			
LFL1046A	46W	4830 lm	6500 K	> 70	115 °	110 - 240V	0.18 - 0.65 A	105 lm/w	50,000 hrs	2.2 Kg	150W
LFL1046B		4830 lm	5000 K					105 lm/w			
LFL1046C		4738 lm	4000 K					103 lm/w			
LFL1046D		4370 lm	3000 K					95 lm/w			
LFL1075A	75W	8025 lm	6500 K	> 70	115 °	110 - 240V	0.3 - 0.85 A	107 lm/w	50,000 hrs	3.4 Kg	250W
LFL1075B		8025 lm	5000 K					107 lm/w			
LFL1075C		7875 lm	4000 K					105 lm/w			
LFL1075D		7125 lm	3000 K					95 lm/w			
LFL1120A	120W	13800 lm	6500 K	> 70	115 °	110 - 240V	0.56 - 1.5 A	115 lm/w	50,000 hrs	4.6 Kg	450W
LFL1120B		13800 lm	5000 K					115 lm/w			
LFL1120C		13200 lm	4000 K					110 lm/w			
LFL1120D		12240 lm	3000 K					102 lm/w			

\* Data based on available wattages and LED solutions.



## LFL1 (Symmetrical Light Distribution)

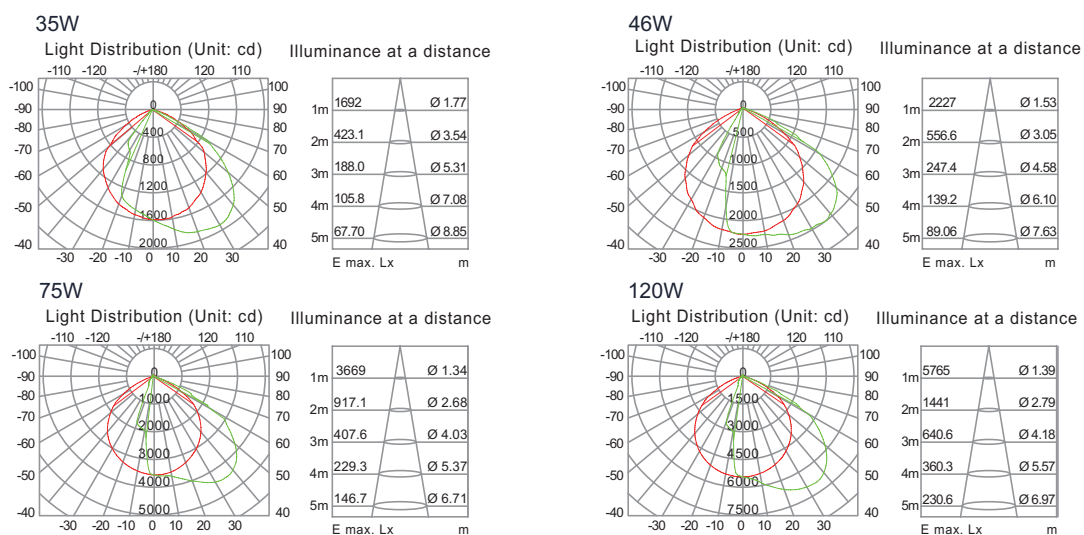


## SPECIFICATION

### LFL3 (Asymmetric Light Distribution)

Model	Power	Luminous Flux	Color Temp.	CRI	Beam Angle	Input Voltage	Input Current	Luminous Efficiency	Lifetime	Weight	Wattage Equivalent (Mercury Lamp)
LFL3035A	35W	3570 lm	6500 K	> 70	95 °	100 - 240V	0.13 - 0.55 A	100 lm/w	50,000 hrs	2.2 Kg	125W
LFL3035B		3570 lm	5000 K					100 lm/w			
LFL3035C		3500 lm	4000 K					98 lm/w			
LFL3035D		3185 lm	3000 K					89 lm/w			
LFL3046A	46W	4830 lm	6500 K	> 70	90 °	100 - 240V	0.18 - 0.65 A	103 lm/w	50,000 hrs	2.2 Kg	150W
LFL3046B		4830 lm	5000 K					103 lm/w			
LFL3046C		4738 lm	4000 K					101 lm/w			
LFL3046D		4370 lm	3000 K					93 lm/w			
LFL3075A	75W	8025 lm	6500 K	> 70	80 °	100 - 240V	0.3 - 0.85 A	105 lm/w	50,000 hrs	3.4 Kg	250W
LFL3075B		8025 lm	5000 K					105 lm/w			
LFL3075C		7875 lm	4000 K					103 lm/w			
LFL3075D		7125 lm	3000 K					93 lm/w			
LFL3120A	120W	13800 lm	6500 K	> 70	90 °	100 - 240V	0.56 - 1.5 A	113 lm/w	50,000 hrs	4.6 Kg	450W
LFL3120B		13800 lm	5000 K					113 lm/w			
LFL3120C		13200 lm	4000 K					108 lm/w			
LFL3120D		12240 lm	3000 K					100 lm/w			

\*Data based on available wattages and LED solutions.



# LED High Bay Series

# Application



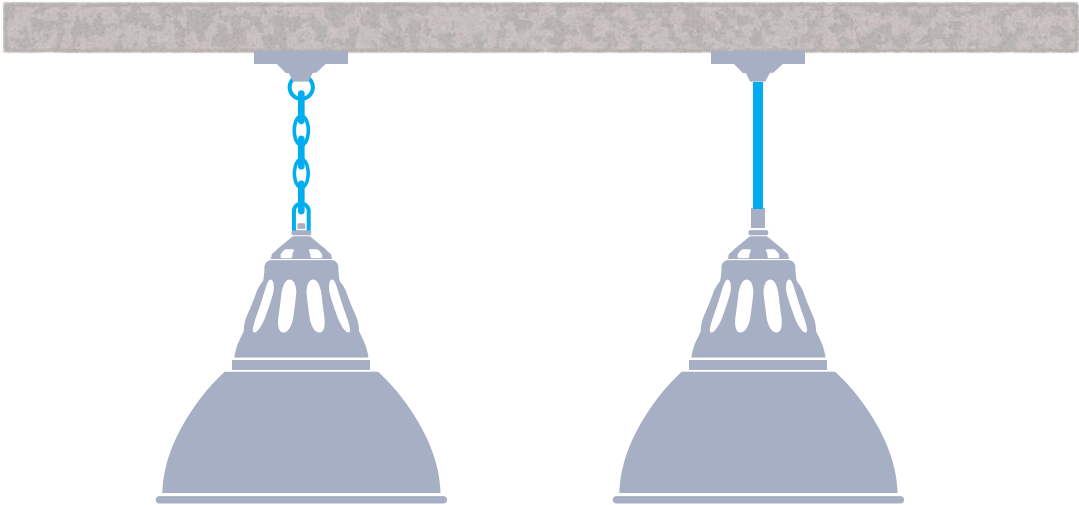
## Installation Method



Chian Type



Boom Type



## Applications

Factory



Warehouse



Hypermarket



Gymnasium



Distribution Center



# LED High Bay Series



50 / 100W



Ra >80



50,000 hrs



~105 lm/W



127°



IP54

## FEATURES

### Longer Lifetime

- \* Utilize top brand LED chips for longer life and superior output maintenance.
- \* Lifetime is 40 times longer than incandescent lamp.
- \* Reduce replacements and maintenance costs.

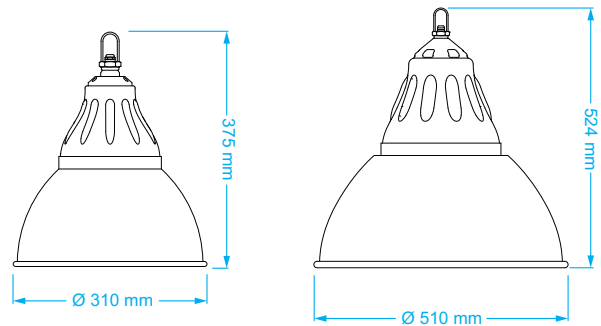
### High Light Transmittance: UP to 90%

- \* Achieve uniform light distribution through high transmittance PC material and special optical design.

### Compact Design & Easy to Clean

- \* Achieving a significant weight loss thanks to special aluminum material.
- \* Built-in LED driver makes it easy to install.
- \* Fin-less aluminum heat sink design makes no dust accumulation and reduces operating temperature issues.
- \* Detachable Lampsade

### Replacement of Traditional Lamp & Save Energy



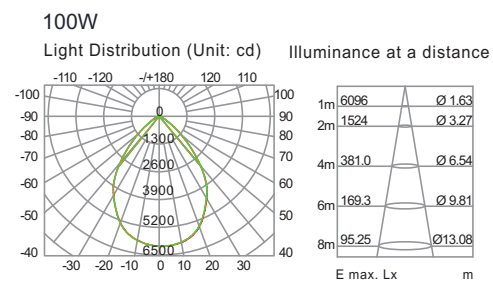
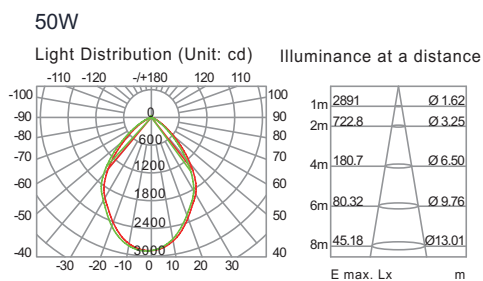
50W

100W

## SPECIFICATION

Model	Power	Luminous Flux	Color Temp.	CRI	Beam Angle	Input Voltage	Input Current	Luminous Efficiency	Lifetime	Weight	Wattage Equivalent (Incandescent)
LHB3050A	50W	4650 lm	6500 K	> 80	127°	100 - 240V	0.18 - 0.5 A	105 lm/w	50,000 hrs	1.13 Kg	380W
LHB3050B		4650 lm	5000 K					105 lm/w			
LHB3050C		4650 lm	4000 K					97 lm/w			
LHB3050D		4400 lm	3000 K					90 lm/w			
LHB3100A	100W	10000 lm	6500 K	> 80	127°	100 - 240V	0.36 - 1.0 A	105 lm/w	50,000 hrs	3.53 Kg	800W
LHB3100B		10000 lm	5000 K					105 lm/w			
LHB3100C		10000 lm	4000 K					97 lm/w			
LHB3100D		8500 lm	3000 K					95 lm/w			

\* Data based on available wattages and LED solutions.



# Application



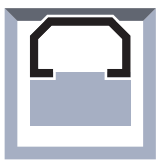
## Installation Method



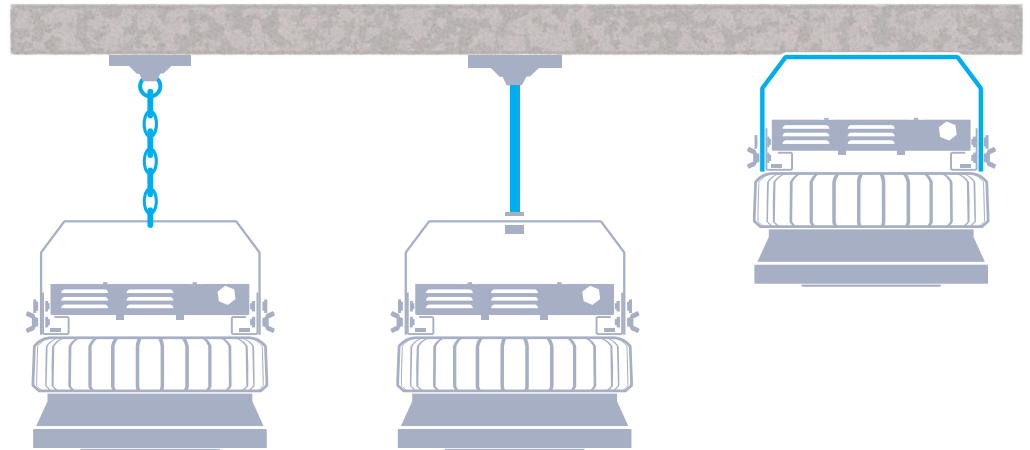
Chian Type



Boom Type



Bracket Type



## Applications

Factory



Warehouse



Hypermarket



Gymnasium



Distribution Center



# LED High Bay Series

## LHB4



150 ~ 300W



Ra > 80



50,000 hrs



~115 lm/W



60/65°



IP20

### FEATURES

#### Longer Lifetime

- \* Utilize top brand LED chips for longer life and superior output maintenance.
- \* Lifetime is about 4 times longer than mercury lamp.
- \* Reduce replacements and maintenance costs.

#### Special Optical Design

- \* Provide uniform light distribution
- \* Utilize efficient reflectors to improve lumen output

#### Protective Metal Wire Guard

- \* Protect the fixture from projected objects
- \* Suitable for gymnasium application

#### No Ultraviolet & Less Attractive to Insects

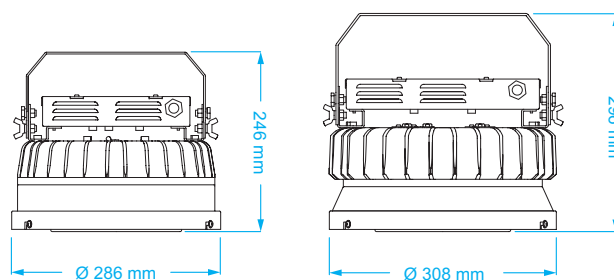
- \* Light without ultraviolet makes the light less attractive to insects, and prevents discolor of the lighting fixture

#### Instant Start Without Preheating

- \* It can be started normally at -20°C environment, such as freezer, and some cold areas.

#### Effective Thermal Management

- \* Using special molding and coating technology for aluminum heat sink to provide excellent thermal management



150W & 200W

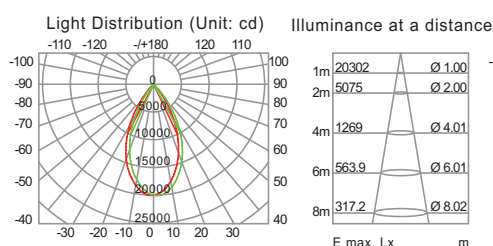
300W

### SPECIFICATION

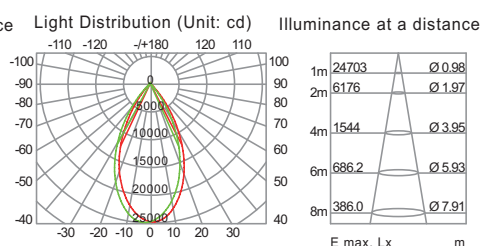
Model	Power	Luminous Flux	Color Temp.	CRI	Beam Angle	Input Voltage	Input Current	Luminous Efficiency	Lifetime	Weight	Wattage Equivalent (Mercury Lamp)
LHB4150A	150W	15750 lm	6500 K	> 80	60 °	100 - 240V	0.58 - 1.6 A	105 lm/w	50,000 hrs	5.5 Kg	500W
LHB4150B		15750 lm	5000 K					105 lm/w			
LHB4150C		15450 lm	4000 K					103 lm/w			
LHB4150D		14550 lm	3000 K					97 lm/w			
LHB4200A	200W	20400 lm	6500 K	> 80	60 °	100 - 240V	0.76 - 2.1 A	103 lm/w	50,000 hrs	5.56 Kg	700W
LHB4200B		20400 lm	5000 K					103 lm/w			
LHB4200C		20400 lm	4000 K					102 lm/w			
LHB4200D		19000 lm	3000 K					95 lm/w			
LHB4300A	300W	34500 lm	6500 K	> 80	65 °	100 - 240V	1.1 - 3.2 A	115 lm/w	50,000 hrs	8.35 Kg	1000W
LHB4300B		34500 lm	5000 K					115 lm/w			
LHB4300C		33600 lm	4000 K					112 lm/w			
LHB4300D		31500 lm	3000 K					105 lm/w			

\* Data based on available wattages and LED solutions.

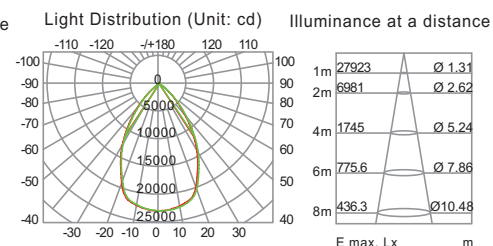
#### 150W



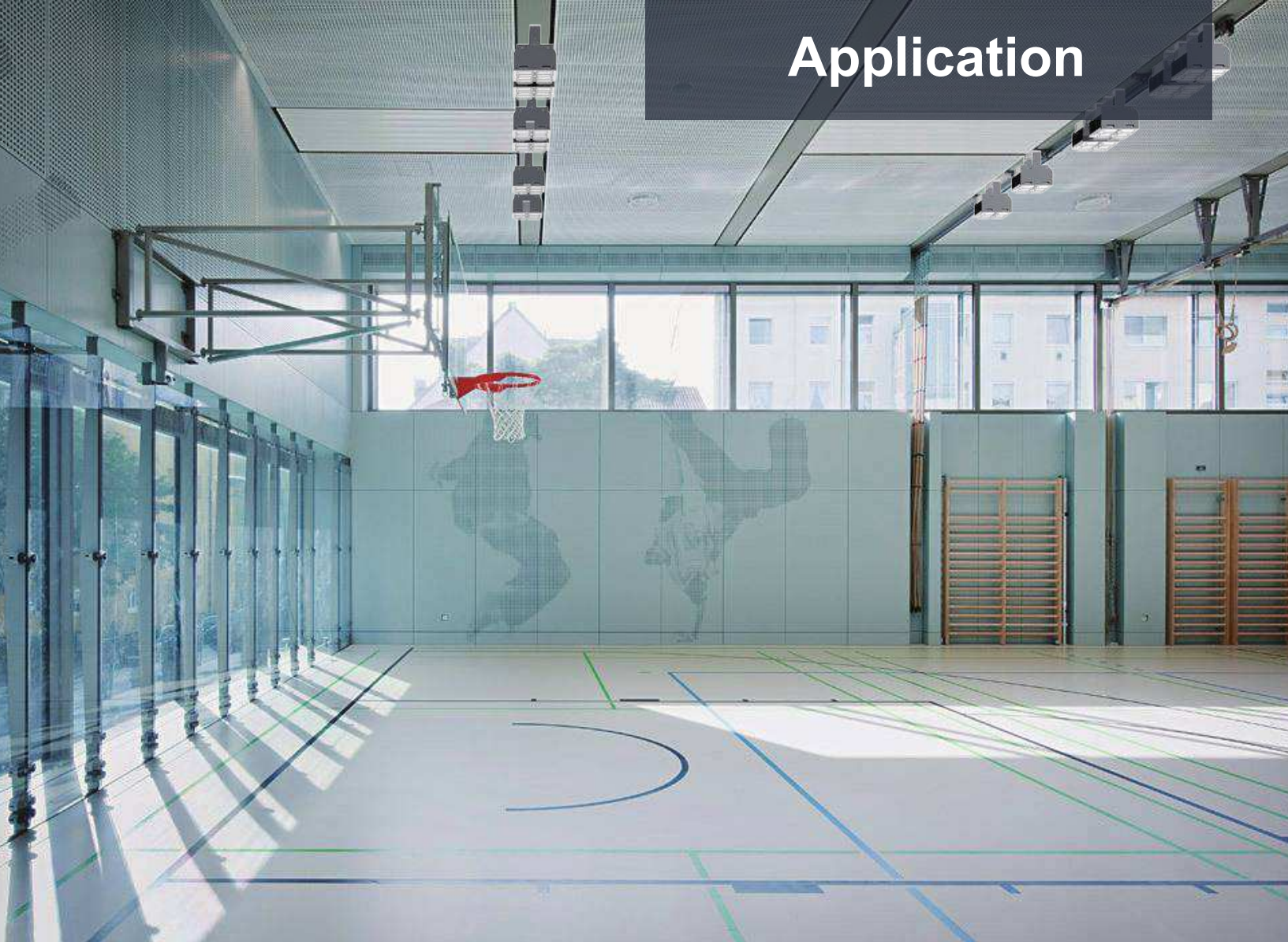
#### 200W



#### 300W



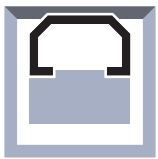
# Application



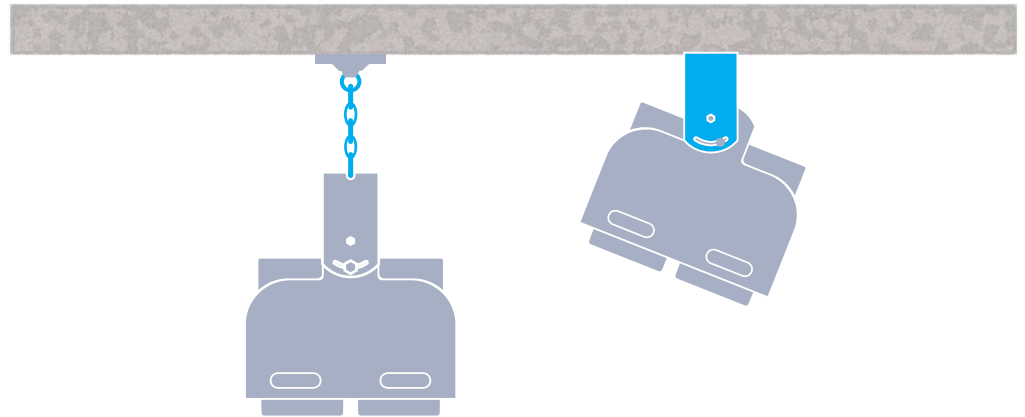
## Installation Method



Chian Type



Bracket Type



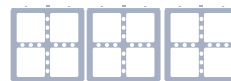
## Matrix Combinations



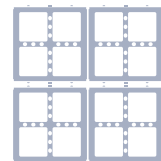
1 pc



2 pcs



3 pcs



4 pcs

## Applications

Factory



Warehouse



Hypermarket



Gymnasium



Distribution Center



# LED High Bay Series

## LHB5



80 / 110W



Ra >70



50,000 hrs



~135 lm/W



110°



IP20



## FEATURES

### Lightweight & Compact Design

\* Easy to install

### Adjustable Irradiation Angle

\* Suitable for a variety of uses

### Longer Lifetime

\* Utilize top brand LED chips for longer life and superior output maintenance.

\* Reduce replacements and maintenance costs.

### Effective Thermal Management

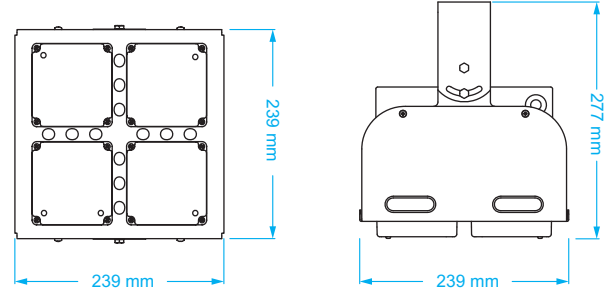
\* Aluminum heat sink

\* Special thermal design to enhance convective heat transfer for better heat dissipation performance

### Matrix Combination for Increasing Brightness

\* According to the different needs of places, it can be combined with multiple units for increasing luminous flux.

Size: L 239 x W 239 x H227 mm

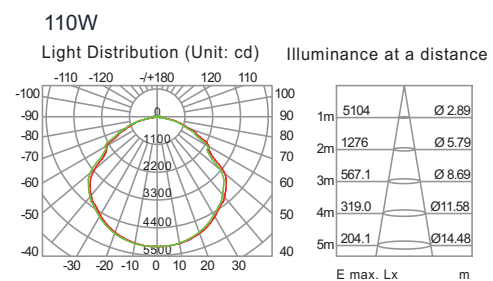
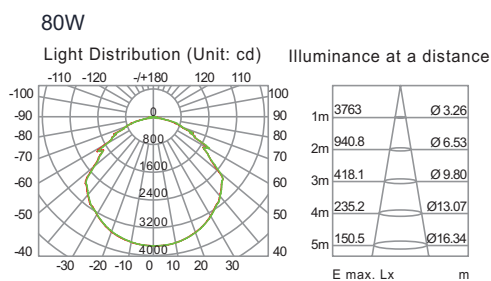


80 / 110W

## SPECIFICATION

Model	Power	Luminous Flux	Color Temp.	CRI	Beam Angle	Input Voltage	Input Current	Luminous Efficiency	Lifetime	Weight	Wattage Equivalent (Mercury Lamp)
LHB5080B	80W	10800 lm	5000 K	> 70	110 °	100 - 240V	0.35 - 1.0 A	135 lm/w	50,000 hrs	3.2 Kg	350W
LHB5080C		10800 lm	4000 K								
LHB5110B	110W	14850 lm	5000 K	> 70	110 °	100 - 240V	0.45 - 1.3 A	135 lm/w	50,000 hrs	3.2 Kg	500W
LHB5110C		14850 lm	4000 K								

\* Data based on available wattages and LED solutions.





# Application



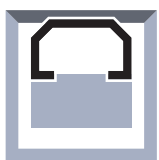
## Installation Method



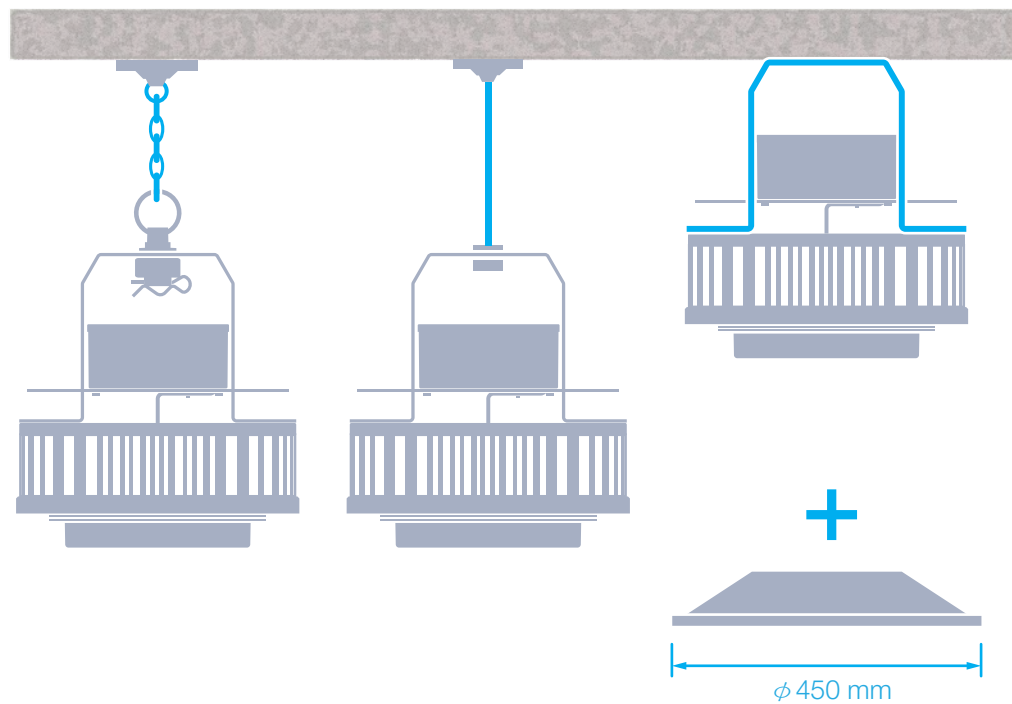
Chian Type



Boom Type



Bracket Type



## Applications

Factory



Warehouse



Hypermarket



Gymnasium



Distribution Center



# LED High Bay Series

## LHB6/LHB7



73 ~ 150W



Ra >80/70



50,000 hrs



~135 lm/W



60°/120°



IP52

### FEATURES

#### High Efficiency Up to 135 lm/W

\* Utilize top brand LED chips for longer life and superior output maintenance.

\* Reduce replacements and maintenance costs.

#### No Ultraviolet & Less Attractive to Insects

\* Light without ultraviolet makes the light less attractive to insects, and prevents discolor of the lighting fixture

#### Instant Start Without Preheating

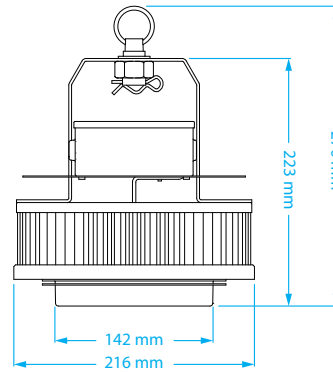
\* It can be started normally at -20°C environment, such as freezer, and some cold areas.

#### Lightweight Design

\* Reducing Weight by 25% compared to our first generation high bay

#### Optional Aluminum and PC Lampshade

\* Suitable for a variety of applications



80W - 150W

### SPECIFICATION

#### LHB6 (COB Type)

Model	Power	Luminous Flux	Color Temp.	CRI	Beam Angle	Input Voltage	Input Current	Luminous Efficiency	Lifetime	Weight	Wattage Equivalent (Mercury Lamp)
LHB6073A-RF	73W	8030 lm	6500 K	> 80	60 °	100 - 240V	0.30 - 0.82 A	110 lm/w	50,000 hrs	3.2 Kg	300W
LHB6073B-RF		8030 lm	5000 K					110 lm/w			
LHB6073C-RF		7665 lm	4000 K					105 lm/w			
LHB6073D-RF		7373 lm	3000 K					101 lm/w			
LHB6073A	73W	8760 lm	6500 K	> 80	120 °	100 - 240V	0.30 - 0.82 A	120 lm/w	50,000 hrs	3.2 Kg	300W
LHB6073B		8760 lm	5000 K					120 lm/w			
LHB6073C		8395 lm	4000 K					115 lm/w			
LHB6073D		7884 lm	3000 K					108 lm/w			
LHB6091A-RF	91W	10010 lm	6500 K	> 80	60 °	100 - 240V	0.38 - 1.1 A	110 lm/w	50,000 hrs	3.2 Kg	350W
LHB6091B-RF		10010 lm	5000 K					110 lm/w			
LHB6091C-RF		9555 lm	4000 K					105 lm/w			
LHB6091D-RF		9191 lm	3000 K					101 lm/w			
LHB6091A	91W	10920 lm	6500 K	> 80	120 °	100 - 240V	0.38 - 1.1 A	120 lm/w	50,000 hrs	3.2 Kg	350W
LHB6091B		10920 lm	5000 K					120 lm/w			
LHB6091C		10465 lm	4000 K					115 lm/w			
LHB6091D		9828 lm	3000 K					108 lm/w			
LHB6105A-RF	105W	11550 lm	6500 K	> 80	60 °	100 - 240V	0.40 - 1.2 A	110 lm/w	50,000 hrs	3.2 Kg	400W
LHB6105B-RF		11550 lm	5000 K					110 lm/w			
LHB6105C-RF		11025 lm	4000 K					105 lm/w			
LHB6105D-RF		10605 lm	3000 K					101 lm/w			
LHB6105A	105W	12600 lm	6500 K	> 80	120 °	100 - 240V	0.40 - 1.2 A	120 lm/w	50,000 hrs	3.2 Kg	400W
LHB6105B		12600 lm	5000 K					120 lm/w			
LHB6150C		12075 lm	4000 K					115 lm/w			
LHB6150D		11340 lm	3000 K					108 lm/w			

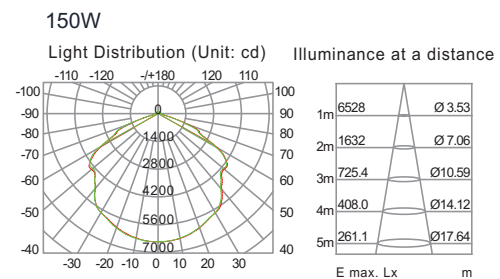
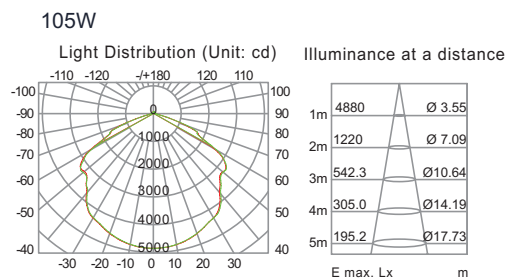
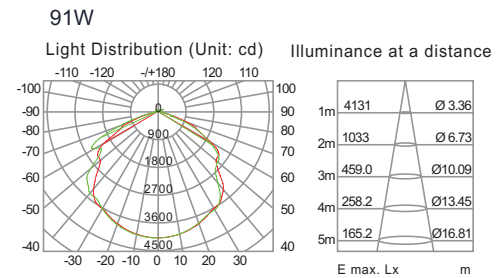
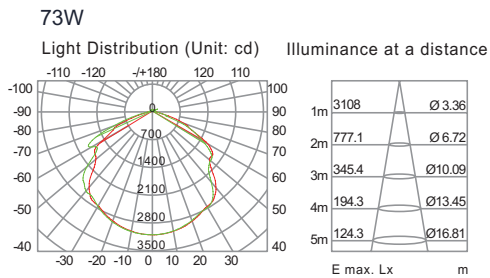
\* Data based on available wattages and LED solutions.

# LHB6 (COB Type)

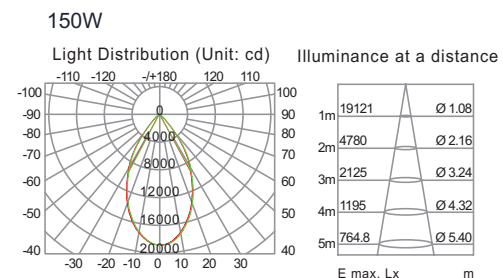
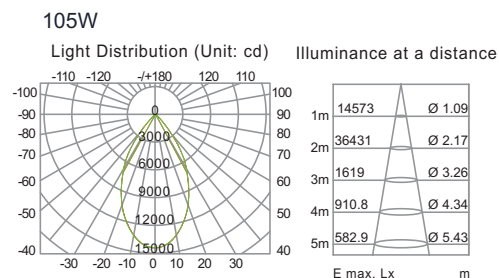
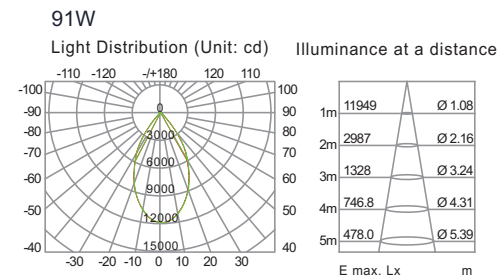
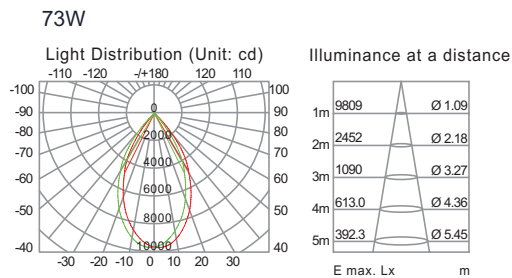
Model	Power	Luminous Flux	Color Temp.	CRI	Beam Angle	Input Voltage	Input Current	Luminous Efficiency	Lifetime	Weight	Wattage Equivalent (Mercury Lamp)
LHB6150A-RF	150W	16500 lm	6500 K	> 80	60 °	100 - 240V	0.64 - 1.6 A	110 lm/w	50,000 hrs	3.2 Kg	500W
LHB6150B-RF		16500 lm	5000 K					110 lm/w			
LHB6150C-RF		15750 lm	4000 K					105 lm/w			
LHB6150D-RF		15150 lm	3000 K					101 lm/w			
LHB6150A	150W	18000 lm	6500 K	> 80	120 °	100 - 240V	0.64 - 1.6 A	120 lm/w	50,000 hrs	3.2 Kg	500W
LHB6150B		18000 lm	5000 K					120 lm/w			
LHB6150C		17250 lm	4000 K					115 lm/w			
LHB6150D		16200 lm	3000 K					108 lm/w			

\* Data based on available wattages and LED solutions.

## (Beam Angle:120°)



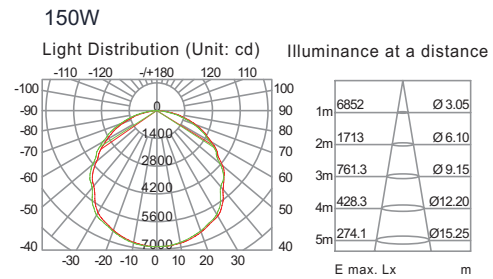
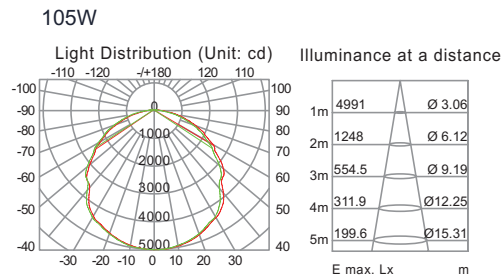
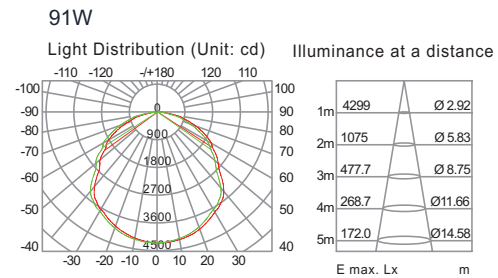
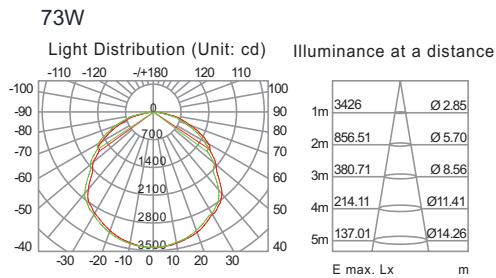
## (Beam Angle:60°)



# LHB7 (SMD Type)

Model	Power	Luminous Flux	Color Temp.	CRI	Beam Angle	Input Voltage	Input Current	Luminous Efficiency	Lifetime	Weight	Wattage Equivalent (Mercury Lamp)
LHB7073A	73W	9490 lm	6500 K	> 70	120 °	100 - 240V	0.35 - 0.86 A	130 lm/w	50,000 hrs	3.2 Kg	300W
LHB7073B		9600 lm	5000 K					135 lm/w			
LHB7073C		9600 lm	4000 K					135 lm/w			
LHB7091A	91W	11830 lm	6500 K	> 70	120 °	100 - 240V	0.38 - 1.1 A	130 lm/w	50,000 hrs	3.2 Kg	350W
LHB7091B		12285 lm	5000 K					135 lm/w			
LHB7091C		12285 lm	4000 K					135 lm/w			
LHB7105A	105W	13650 lm	6500 K	> 70	120 °	100 - 240V	0.50 - 1.2 A	130 lm/w	50,000 hrs	3.2 Kg	400W
LHB7105B		14175 lm	5000 K					135 lm/w			
LHB7105C		14175 lm	4000 K					135 lm/w			
LHB7150A	150W	19500 lm	6500 K	> 70	120 °	100 - 240V	0.65 - 1.6 A	130 lm/w	50,000 hrs	3.2 Kg	500W
LHB7150B		20250 lm	5000 K					135 lm/w			
LHB7150C		20250 lm	4000 K					135 lm/w			

\* Data based on available wattages and LED solutions.



# Application



## Installation Method



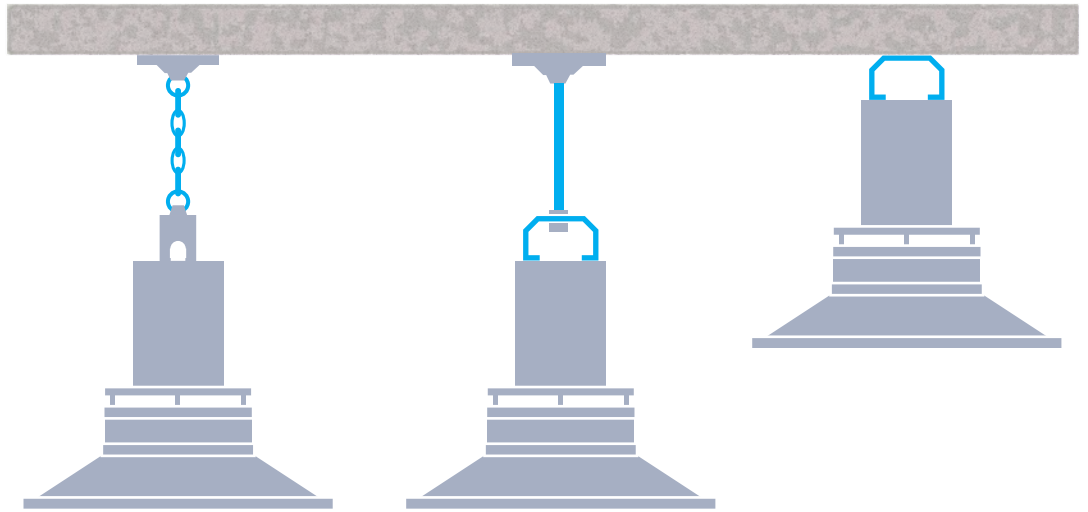
Chian Type



Bracket Type



Boom Type



## Applications

Factory



Warehouse



Hypermarket



Gymnasium

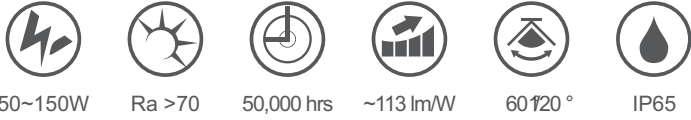


Distribution Center



# LED High Bay Series

## LHB1/LHB2



50~150W Ra >70 50,000 hrs ~113 lm/W 60/120° IP65

### FEATURES

#### Effectively Reduce Energy Consumption

- \* Using the latest high power COB LED to cut down electricity bills and reduce CO2 emissions.
- \* Lifetime is about 4 times longer than mercury lamp. Reduce replacements and maintenance costs.

#### Easy Construction: Built-in LED Driver

- \* Built-in LED driver makes it does not need to rewire.

#### Exclusive Molding Heat Sink

- \* Reducing the weight and improving the heat dissipation.

#### Less Attractive to Insects: No Ultraviolet

- \* Light without ultraviolet makes the light less attractive to insects, and prevents discolor of the lighting fixture.

#### Instant Start Without Preheating

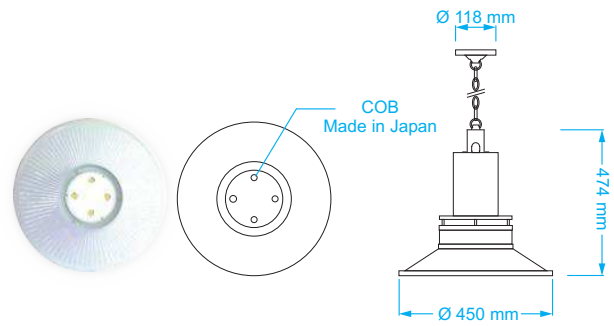
- \* It can be started normally at -20°C environment, such as freezer, and some cold areas.

#### Waterproof & Dustproof : IP65

- \* Suitable for indoor and outdoor use

#### Create a Bright Space by PC Lampshade

- \* Applying PC lampshade to brighten up wall and ceiling which usually turn dark easily. Via its vertical illumination to ensure it can brighten up the entire space.
- \* Aluminum lampshade that prevents light leakage is also available.



50W -150W

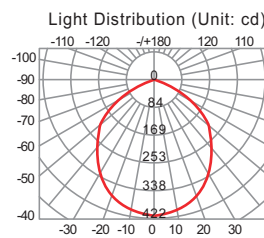
### SPECIFICATION

Model	Power	Luminous Flux	Color Temp.	CRI	Beam Angle	Input Voltage	Input Current	Luminous Efficiency	Lifetime	Weight	Wattage Equivalent (Mercury Lamp)
LHB2050B	50W	5000 lm	5000 K	> 70	60°	110 - 240V	0.5 - 0.207 A	100 lm/w	50,000 hrs	1.5 Kg	180W
LHB1050B					100°						
LHB2080B	80W	9000 lm	5000 K	> 70	60°	110 - 240V	0.8 - 0.33 A	113 lm/w	50,000 hrs	3.9 Kg	300W
LHB1080B					120°						
LHB2100B	100W	10500 lm	5000 K	> 70	60°	110 - 240V	1.0 - 0.41 A	105 lm/w	50,000 hrs	3.9 Kg	350W
LHB1100B					120°						
LHB2115B	115W	13000 lm	5000 K	> 70	60°	110 - 240V	1.154 - 0.47 A	113 lm/w	50,000 hrs	4.1 Kg	400W
LHB1115B					120°						
LHB2150B	150W	15000 lm	5000 K	> 70	60°	110 - 240V	1.154 - 0.62 A	100 lm/w	50,000 hrs	4.2 Kg	500W
LHB1150B					120°						

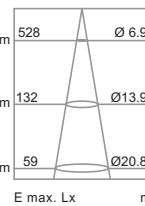
\* Data based on available wattages and LED solutions.

### LHB1 ( Beam Angle:120° )

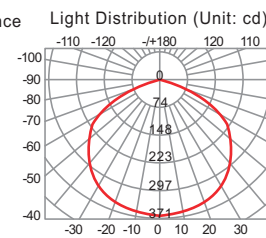
#### 50W



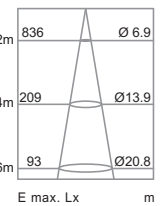
#### Illuminance at a distance



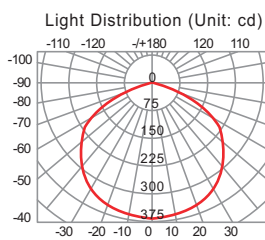
#### 80W



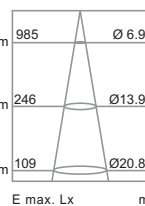
#### Illuminance at a distance



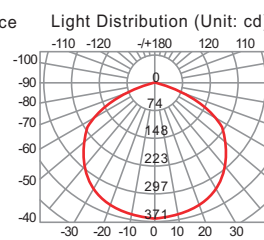
#### 100W



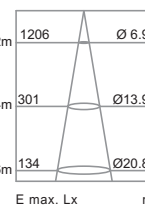
#### Illuminance at a distance



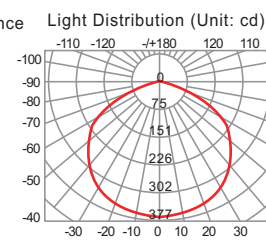
#### 115W



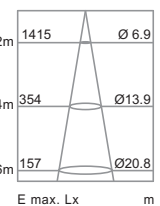
#### Illuminance at a distance



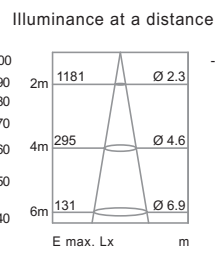
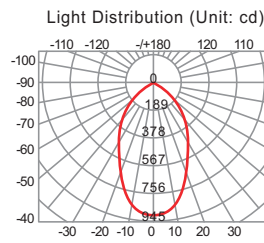
#### 150W



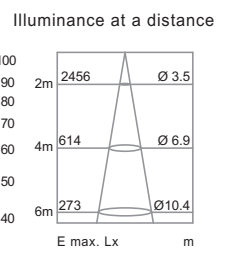
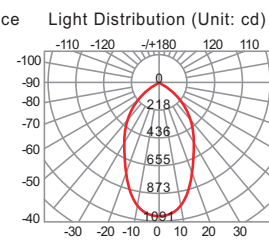
#### Illuminance at a distance



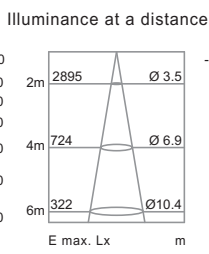
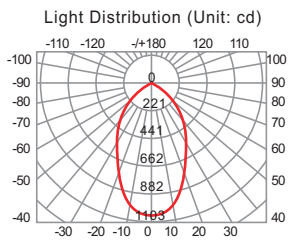
50W



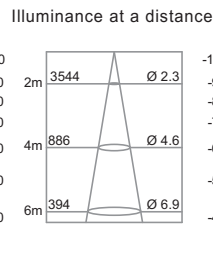
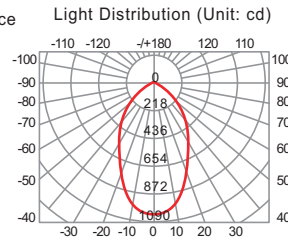
80W



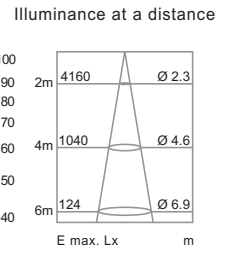
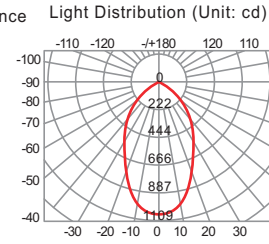
100W



115W



150W



LED Track Lighting Series  
Recessed LED Grid Light Series



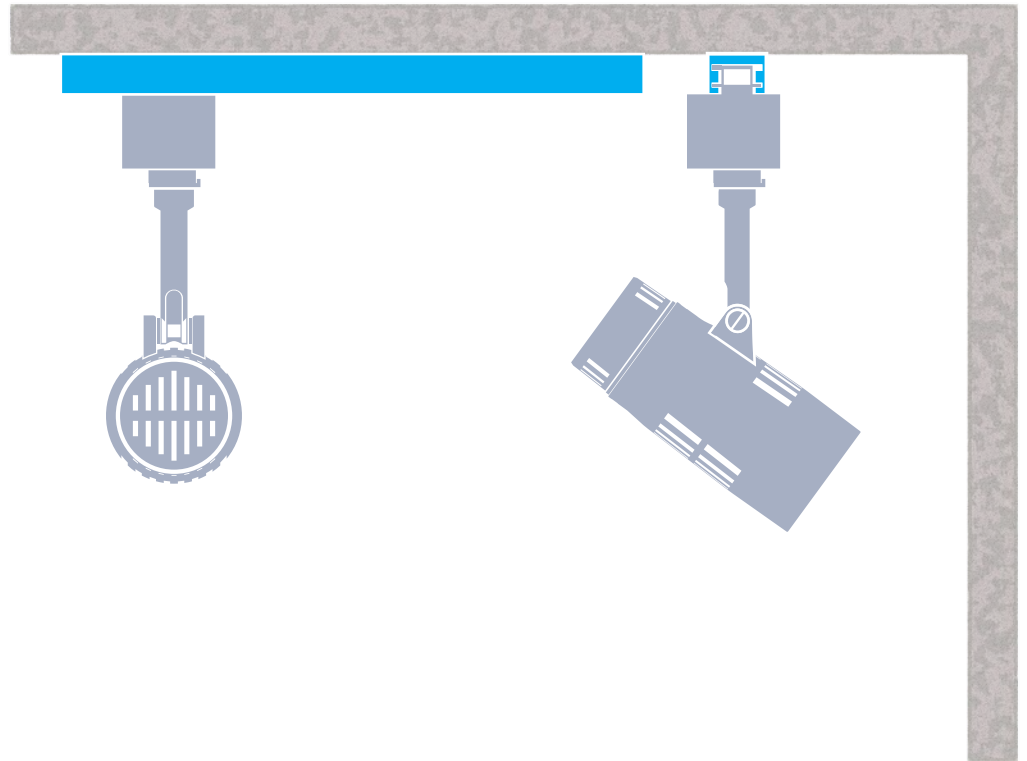
# Application



## Installation Method



Track



## Applications

Shops



Hotel



Display



Residential  
Decoration



# LED Track Lighting Series

## LS 2



### FEATURES

#### Special LED Chips

\* Create almost the same color temperature as MR16 halogen lamps due to special LED

#### Adjustable Irradiation Angle

\* Adjustable angle with 330° of horizontal rotation and 170° of vertical tilt for maximum directional lighting control.

#### Longer Lifetime

\* Unique thermal design makes extra-long life.

\* Reduce replacements and maintenance costs

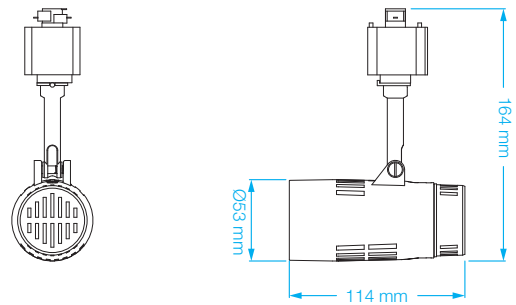
#### Special Optical Design

\* Concentrated light, no multiple shadows, and glare-free to create beautiful accent lighting effects

#### Anti-RF interference

#### No UV and IR light

\* Objects will not be damaged due to heat radiation



6.5W

### SPECIFICATION

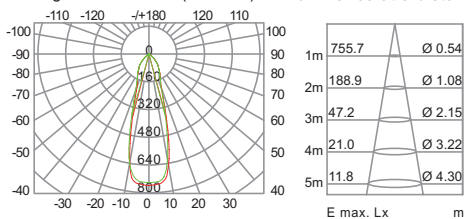
Model	Power	Luminous Flux	Color Temp.	CRI	Beam Angle	Input Voltage	Input Current	Luminous Efficiency	Lifetime	Weight	Wattage Equivalent (Halogen lamp)
LS207C	6.5W	390 lm	4000 K	> 80	30 °	100 - 240V	0.05 - 0.14 A	60 lm/w	50,000 hrs	240 g	50W
LS207D			3000 K								

\* Data based on available wattages and LED solutions.

#### LS207C

6.5W

Light Distribution (Unit: cd)    Illuminance at a distance



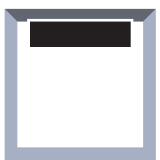
# Application



## Installation Method



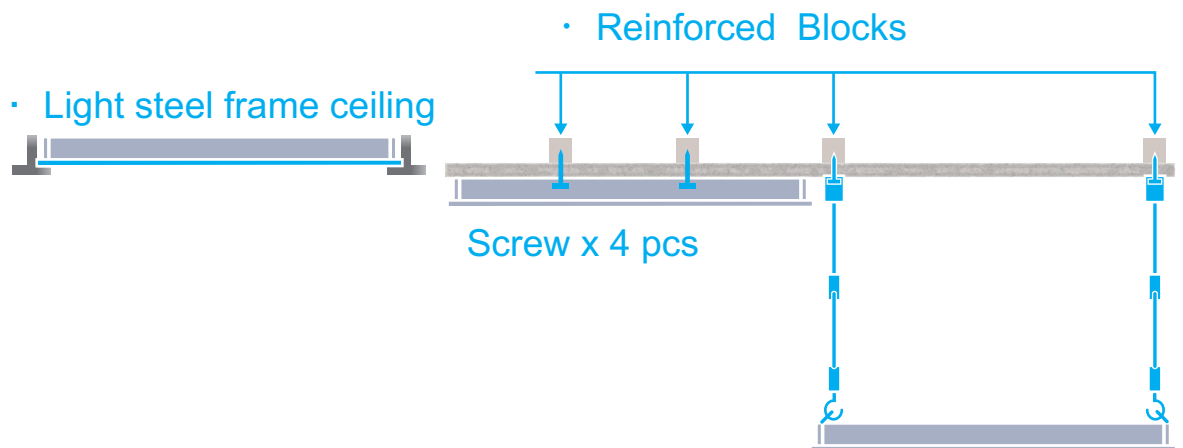
Pendant Chain



Surface mounted



Recessed



## Applications

Office



Hypermarket



Gymnasium



Parking



Warehouse



Distribution Center



# Recessed LED Grid Light Series

LSQ



50 ~ 100W



Ra >80



50,000 hrs



~115 lm/W



115°



IP20



## FEATURES

### Easy to Install

- \* Suitable for almost all standard ceiling systems
- \* Interchangeable units

### Longer Lifetime

- \* Utilize top brand LED chips for longer life and superior output maintenance.
- \* Reduce Replacements & Maintenance Cost

### Recessed Luminaires

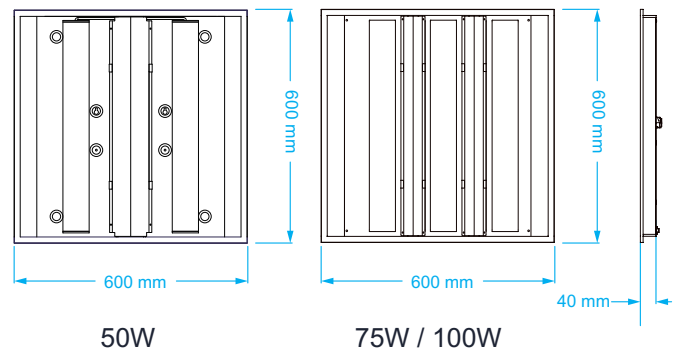
- \* Simple design makes ceiling look neat

### Uniform Light Distribution & Low Glare

- \* Create comfortable lighting for occupants and improve productivity

### Easy to Clean

- \* Less dust accumulation and reduces operating temperature issues.

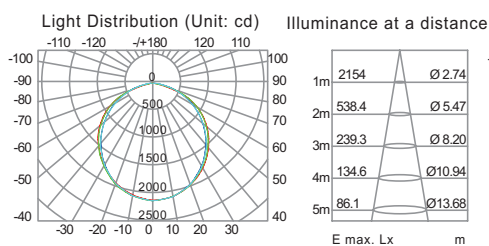


## SPECIFICATION

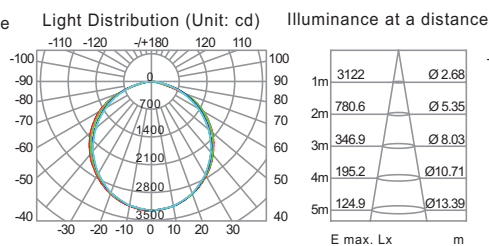
Model	Power	Luminous Flux	Color Temp.	CRI	Beam Angle	Input Voltage	Input Current	Luminous Efficiency	Lifetime	Weight	Wattage Equivalent (fluorescent lamp)
LSQ1050A LSQ1050B	50W	5500 lm	6500 K 5000 K	> 80	115°	100 - 240V	0.23 - 0.6 A	110 lm/w	50,000 hrs	2.90 Kg	80W
LSQ1075A LSQ1075B	75W	8625 lm	6500 K 5000 K	> 80	115°	100 - 240V	0.27 - 1.5 A	115 lm/w	50,000 hrs	3.45 Kg	300W
LSQ1100A LSQ1100B	100W	11500 lm	6500 K 5000 K	> 80	115°	100 - 240V	0.39 - 1.5 A	115 lm/w	50,000 hrs	3.45 Kg	450W

\* Data based on available wattages and LED solutions.

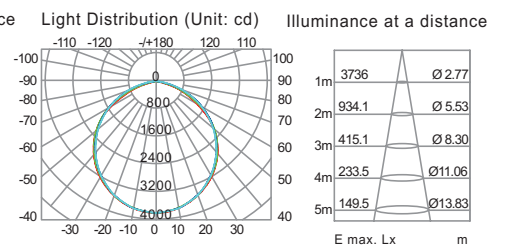
50W



75W



100W



# Electricity Cost Comparison



CLF

VS.

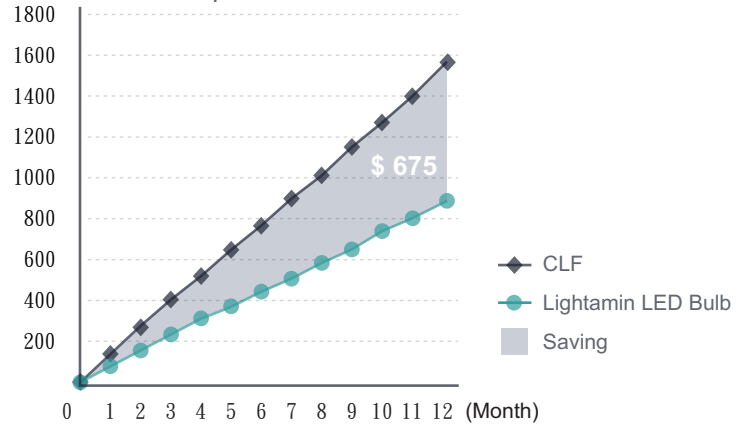
Lightamin LED Bulb



	CLF	Lightamin LED Bulb
Power (W)	32 W	18 W
Quantity (PCS)	100	100
Energy Consumption /Year (kw)	14016	7884
Energy Consumption Difference/ Year	-	6132
Electricity Cost /Year (USD)	\$ 1,542	\$ 867
Cost Difference/Year	-	\$ 675
Save up	-	44%

\*Based on terms: U.S. Electricity rate \$0.11/kWh, Switch-on time 12 hrs per day

(USD) Cost Comparison



Incandescent Lamp

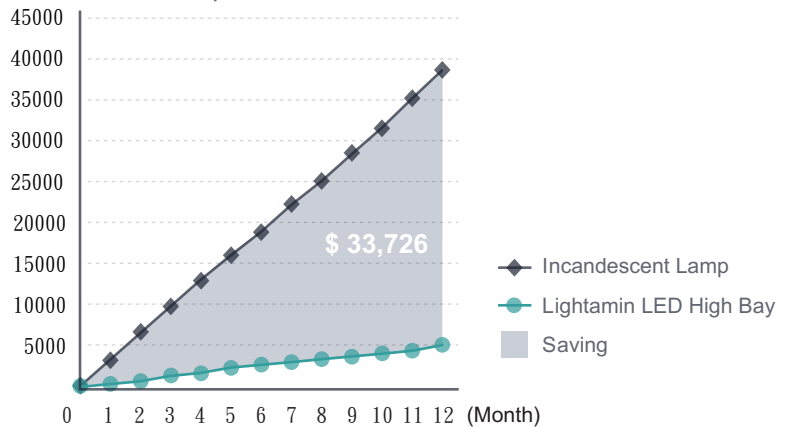
VS. LED High Bay



	Incandescent Lamp	Lightamin LED High Bay
Power (W)	800 W	100 W
Quantity (PCS)	100	100
Energy Consumption /Year (kw)	350400	43800
Energy Consumption Difference/ Year	-	306600
Electricity Cost /Year (USD)	\$ 38,544	\$ 4,818
Cost Difference/Year	-	\$ 33,726
Save up	-	88%

\*Based on terms: U.S. Electricity rate \$0.11/kWh, Switch-on time 12 hrs per day

(USD) Cost Comparison



Mercury Lamp

VS.

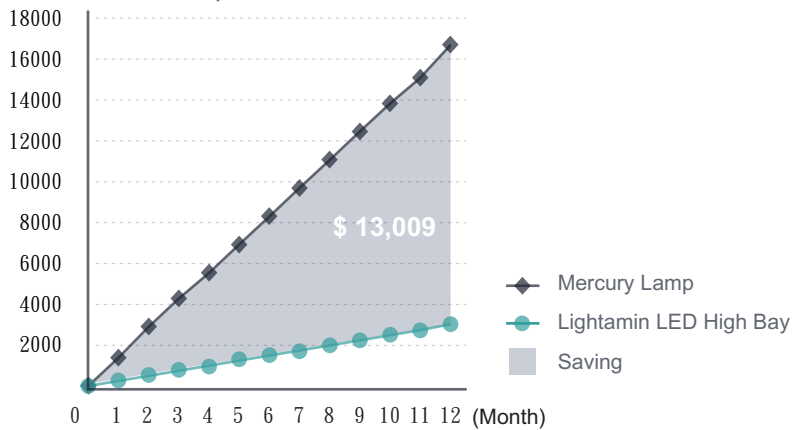
Lightamin LED High Bay



	Mercury Lamp	Lightamin LED High Bay
Power (W)	350 W	80 W
Quantity (PCS)	100	100
Energy Consumption /Year (kw)	153300	35040
Energy Consumption Difference/ Year	-	118260
Electricity Cost /Year (USD)	\$ 16,836	\$ 3,854
Cost Difference/Year	-	\$ 13,009
Save up	-	77%

\*Based on terms: U.S. Electricity rate \$0.11/kWh, Switch-on time 12 hrs per day

(USD) Cost Comparison



Fluorescent Lamp

VS.

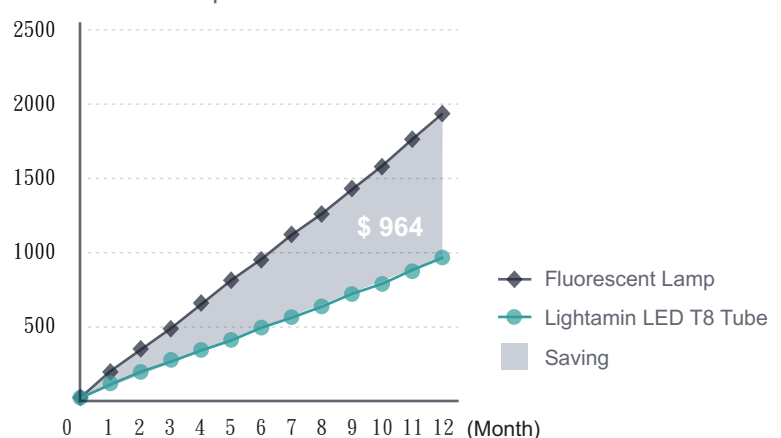
Lightamin LED T8 Tube



	Fluorescent Lamp	Lightamin LED T8 Tube
Power (W)	40 W	20 W
Quantity (PCS)	100	100
Energy Consumption /Year (kw)	17520	8760
Energy Consumption Difference/ Year	-	8760
Electricity Cost /Year (USD)	\$ 1,927	\$ 963
Cost Difference/Year	-	\$ 964
Save up	-	50%

\*Based on terms: U.S. Electricity rate \$0.11/kWh, Switch-on time 12 hrs per day

(USD) Cost Comparison



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