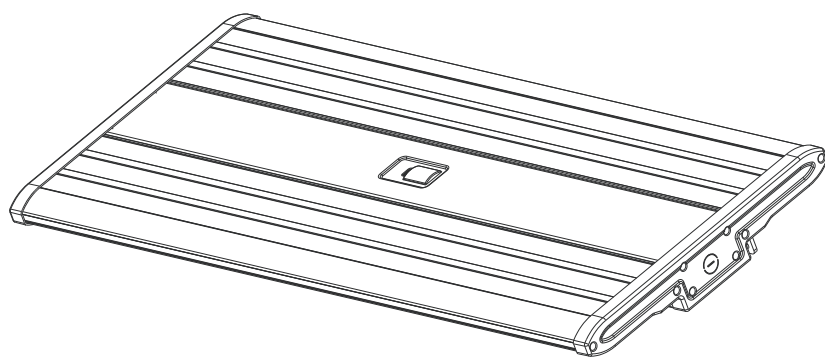




深圳市江景照明有限公司
SHENZHEN JIANGJING LIGHTING CO.,LTD

Specification

Flat Linear LED high bay



Description:

- * This product use durable and long life span LED light source, downy light, no glare, simple design.
 - * Mainly use the aluminum alloy as the material with PMMA lens. Work safely and durable under different conditions.
 - * Adopted 2835 SMD Led light source, Large-Size Chip with High brightness and low light fades, Enough Current margin, Led chip Rated current 150mA, actual use only 60-120mA, Extend led Lights lifespan and increase Light Efficiency.
 - * Adopted Meanwell Driver, Universal AC Input/Full range up to AC120-277V
- Protection function: short circuit/over current/over voltage/over temperature, Built-in.
active PFC function, $PF \geq 0.9$ and Conversion efficiency $\geq 90\%$ Fully encapsulated with IP65 Level.
- * Light board and power supply separately Thermal conductivity, Air convection design for reliable lifetime.

Applications:

- * For the workshop, factory, warehouse, highway toll stations, gas stations, supermarkets, exhibition halls, stadiums and Other places of lighting required..

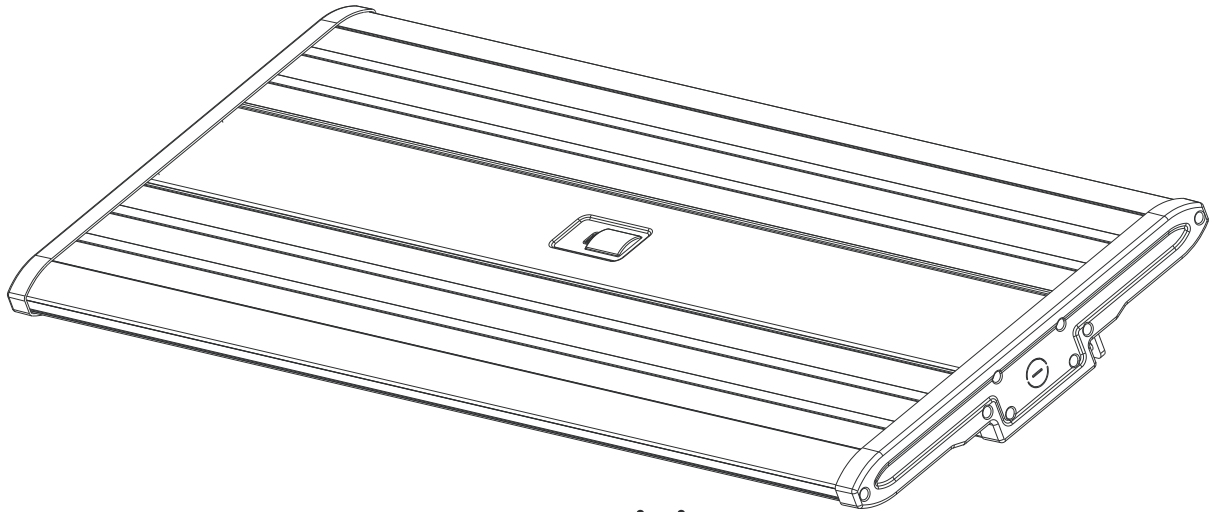


深圳市江景照明有限公司

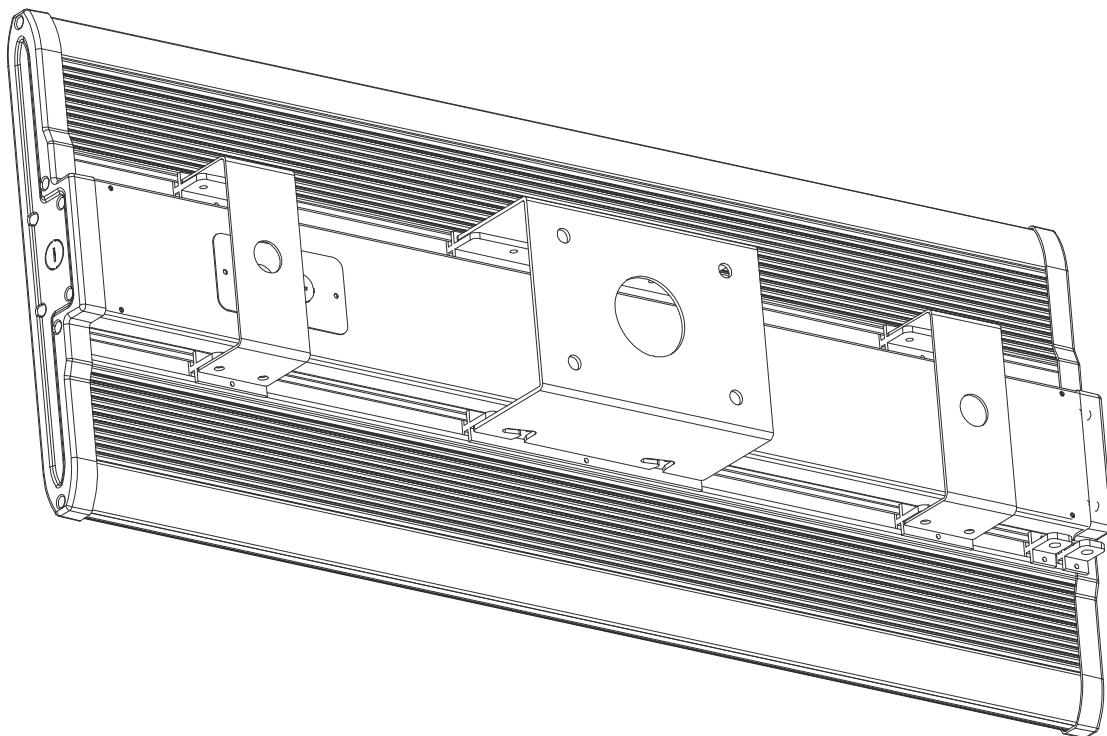
SHENZHEN JIANGJING LIGHTING CO.,LTD



Product appearance

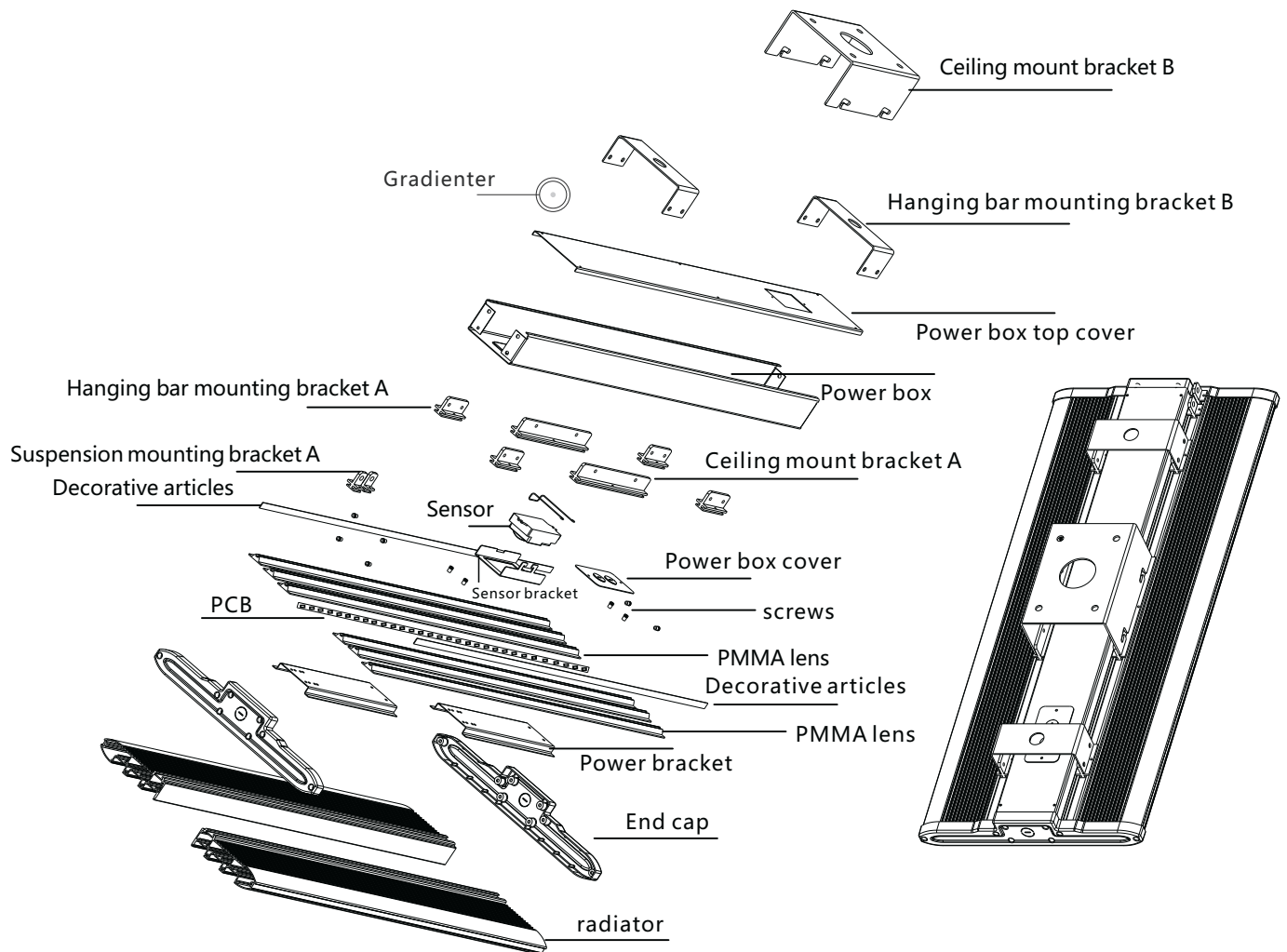


positive



back

Exploded view

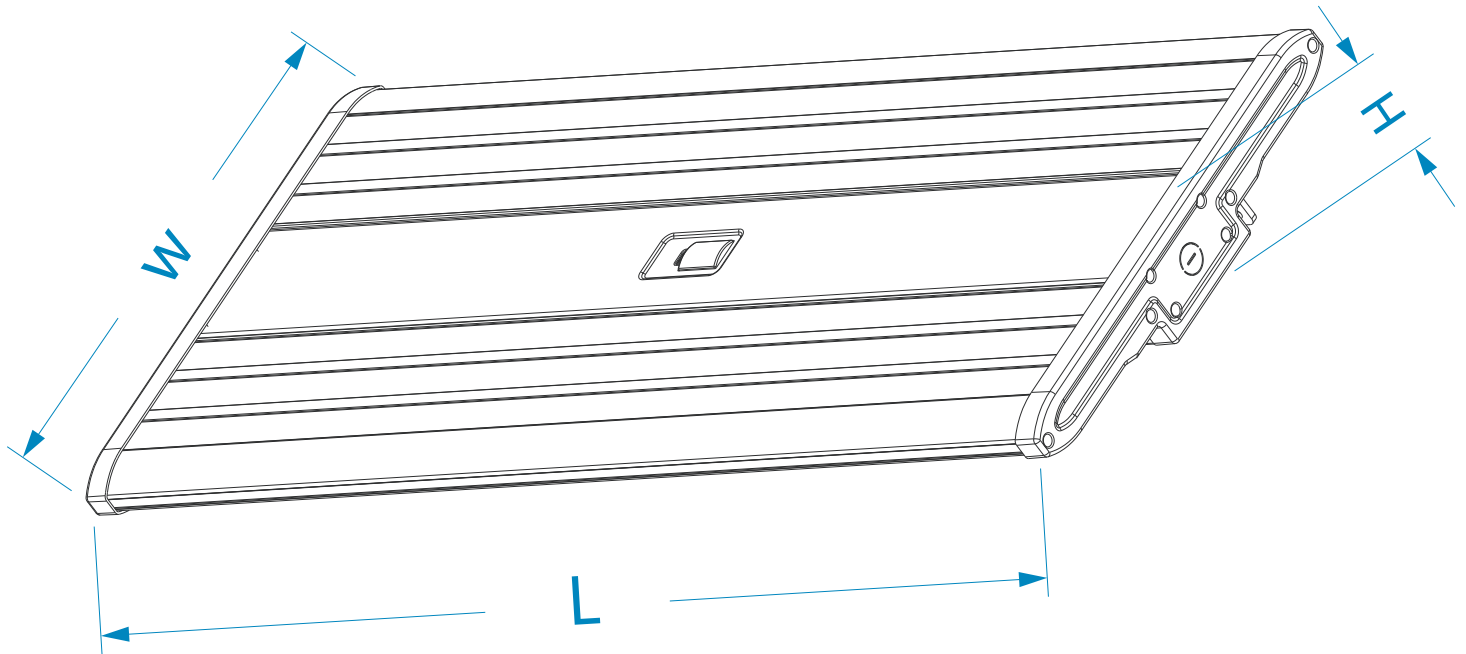


深圳市江景照明有限公司

SHENZHEN JIANGJING LIGHTING CO.,LTD



Dimensions(Unit:mm):



Model	SIZE(L*W*H)
PHB04(080-150W)	450*380*62mm
PHB06(180-240W)	600*380*62mm
PHB09(250-300W)	900*380*62mm
PHB12(350-480W)	1200*380*62mm

PHBXX-AAABB-CCDE

size:(04-12)

04(L450*W380*H62MM)
06(L600*W380*H62MM)
09(L900*W380*H62MM)
12(L1200*W380*H62MM)

Watts:(120-400)

120(120W)

Features:(NN/SN/DM/EP/SD/DE)

NN (No function)
SN (Sensing function)
DM(Dimming function)
EP(Emergency function)
SD(Sensing+Dimming function)
DE(Emergency+Dimming function)

Color temperature:(00-99)

40(4000K)

Voltage version:(L/H)

L(120-277Vac)
H(347-480Vac)

Serial number:(0-9)

0(130LM/W)
1(160LM/W)

Electrical/Optical Characteristics/Specifications

PHB04-120[NN,SN,DM,EP,SD,DE]-XXL0

Input voltage		Max.Current		Operating Voltage		Constant Current		Power Consumption		Power Factor	
120-277Vac		1.05A		40-45Vdc		2.5-2.7A		120W		≥0.9	
LED type		LED Q' ty		CRI		Life time		Luminaires Class		Location	
SMD2835		336/672PCS		≥80Ra		50.000hours		ClassI		dry/damp	
Luminous efficiency A						Luminous efficiency B					
CCT	2850-3150K	4000-4500K	5000-5500K	CCT	2850-3150K	4000-4500K	5000-5500K				
Luminous efficiency	120LM/W	125LM/W	130LM/W	Luminous efficiency	155LM/W	160LM/W	165LM/W				
Luminous flux	14400LM	15000LM	15600LM	Luminous flux	18600LM	19200LM	19800LM				
Beam Angle	90 /120			Beam Angle	90 /120						
Operating temperature	Storage temperature	Humidity operating	Humidity storage	Certifications							
-20℃+50℃	-30℃+60℃	10-80%RH	10-90%RH	CE,UL,DLC,Rohs							
Product dimension	N.W	Packing dimension	G.W	Outer carton package(K=K corrugated paper)							
450*380*62mm	5.0Kg	500*410*215mm	11.0Kg	2*1layer=2PCS/carton,L500*W410*H215mm,GW:11.0Kg							

PHB06-200[NN,SN,DM,EP,SD,DE]-XXL0

Input voltage		Max.Current		Operating Voltage		Constant Current		Power Consumption		Power Factor	
120-277Vac		1.70A		40-45Vdc		4.2-4.5A		200W		≥0.9	
LED type		LED Q' ty		CRI		Life time		Luminaires Class		Location	
SMD2835		588/1152PCS		≥80Ra		50.000hours		ClassI		dry/damp	
Luminous efficiency A						Luminous efficiency B					
CCT	2850-3150K	4000-4500K	5000-5500K	CCT	2850-3150K	4000-4500K	5000-5500K				
Luminous efficiency	120LM/W	125LM/W	130LM/W	Luminous efficiency	155LM/W	160LM/W	165LM/W				
Luminous flux	24000LM	25000LM	26000LM	Luminous flux	31000LM	32000LM	33000LM				
Beam Angle	90 /120			Beam Angle	90 /120						
Operating temperature	Storage temperature	Humidity operating	Humidity storage	Certifications							
-20°C+50°C	-30°C+60°C	10-80%RH	10-90%RH	CE,UL,DLC,Rohs							
Product dimension	N.W	Packing dimension	G.W	Outer carton package(K=K corrugated paper)							
600*380*62mm	6.5Kg	650*410*115mm	7.0Kg	1*1layer=1PCS/carton,L650*W410*H115mm,GW:7.0Kg							

Electrical/Optical Characteristics/Specifications

PHB09-280[NN,SN,DM,EP,SD,DE]-XXL0

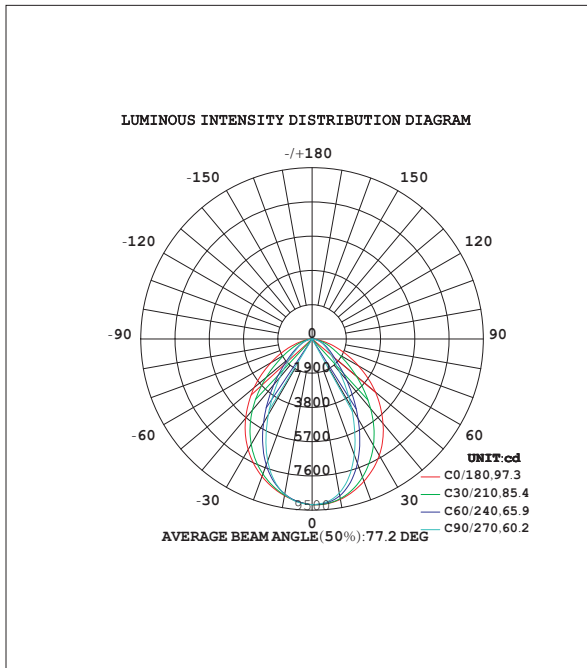
Input voltage		Max.Current		Operating Voltage		Constant Current		Power Consumption		Power Factor	
120-277Vac		2.40A		40-45Vdc		3.2A*2		280W		≥0.9	
LED type		LED Q' ty		CRI		Life time		Luminaires Class		Location	
SMD2835		756/1632PCS		≥80Ra		50.000hours		ClassI		dry/damp	
Luminous efficiency A						Luminous efficiency B					
CCT	2850-3150K	4000-4500K	5000-5500K	CCT	2850-3150K	4000-4500K	5000-5500K				
Luminous efficiency	120LM/W	125LM/W	130LM/W	Luminous efficiency	155LM/W	160LM/W	165LM/W				
Luminous flux	33600LM	35000LM	36400LM	Luminous flux	43400LM	44800LM	46200LM				
Beam Angle	90 /120			Beam Angle	90 /120						
Operating temperature	Storage temperature	Humidity operating	Humidity storage	Certifications							
-20℃+50℃	-30℃+60℃	10-80%RH	10-90%RH	CE,UL,DLC,Rohs							
Product dimension	N.W	Packing dimension	G.W	Outer carton package(K=K corrugated paper)							
900*380*62mm	9.0Kg	950*410*115mm	9.5Kg	1*1layer=1PCS/carton,L950*W410*H115mm,GW:9.5Kg							

PHB12-400[NN,SN,DM,EP,SD,DE]-XXL0

Input voltage		Max.Current		Operating Voltage		Constant Current		Power Consumption		Power Factor	
120-277Vac		3.45A		40-45Vdc		4.3-4.5A*2		400W		≥0.9	
LED type		LED Q' ty		CRI		Life time		Luminaires Class		Location	
SMD2835		1176/2304PCS		≥80Ra		50.000hours		ClassI		dry/damp	
Luminous efficiency A						Luminous efficiency B					
CCT	2850-3150K	4000-4500K	5000-5500K	CCT	2850-3150K	4000-4500K	5000-5500K				
Luminous efficiency	120LM/W	125LM/W	130LM/W	Luminous efficiency	155LM/W	160LM/W	165LM/W				
Luminous flux	48000LM	50000LM	52000LM	Luminous flux	62000LM	64000LM	66000LM				
Beam Angle	90 /120			Beam Angle	90 /120						
Operating temperature	Storage temperature	Humidity operating	Humidity storage	Certifications							
-20℃+50℃	-30℃+60℃	10-80%RH	10-90%RH	CE,UL,DLC,Rohs							
Product dimension	N.W	Packing dimension	G.W	Outer carton package(K=K corrugated paper)							
1200*380*62mm	13.0Kg	1250*410*115mm	13.5Kg	1*1layer=1PCS/carton,L1250*W410*H115mm,GW:13.5Kg							

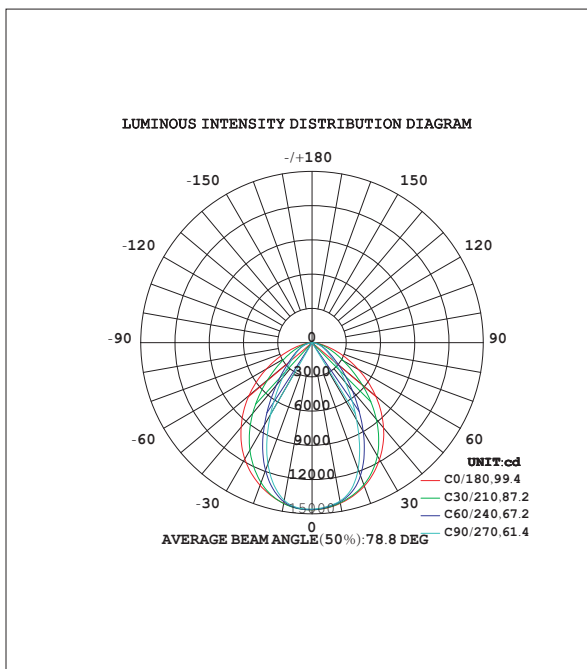
LUMINAIRE PHOTOMETRIC TEST REPORT

PHB04-120[NN,SN,DM,EP,SD,DE]-XXL0



Height	Eavg,Emax	Angle:60.18deg	Diameter
1.219m	3965,6188lx		141.28cm
2m	1473,2300lx		231.76cm
3m	654.8,1022lx		347.64cm
4m	368.3,574.9lx		463.52cm
5m	235.7,367.9lx		579.40cm
6m	163.7,255.5lx		695.28cm
7m	120.3,187.7lx		811.16cm
8m	92.09,143.7lx		927.04cm
9m	72.76,113.6lx		1042.92cm
10m	58.93,91.98lx		1158.81cm

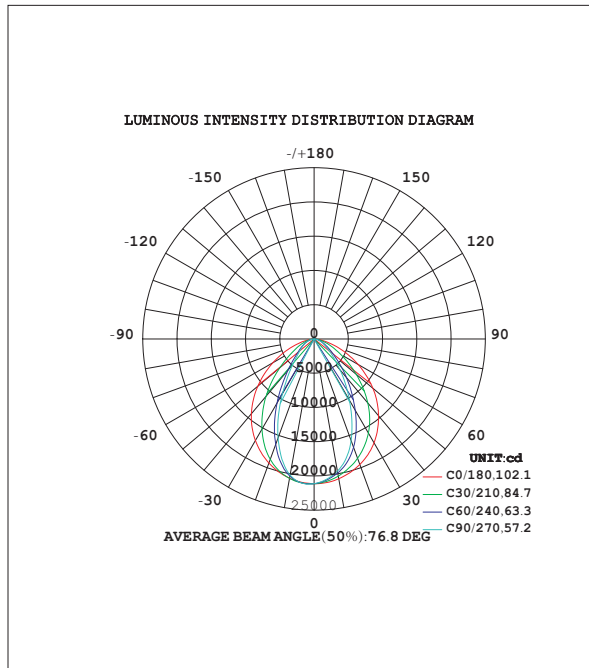
PHB06-200[NN,SN,DM,EP,SD,DE]-XXL0



Height	Eavg,Emax	Angle:78.80deg	Diameter
1.219m	4732,9855lx		200.29cm
2m	1759,3662lx		328.56cm
3m	781.6,1628lx		492.85cm
4m	439.6,915.5lx		657.13cm
5m	281.4,585.9lx		821.41cm
6m	195.4,406.9lx		985.69cm
7m	143.6,298.9lx		1149.97cm
8m	109.9,228.9lx		1314.25cm
9m	86.84,180.8lx		1478.54cm
10m	70.34,146.5lx		1642.82cm

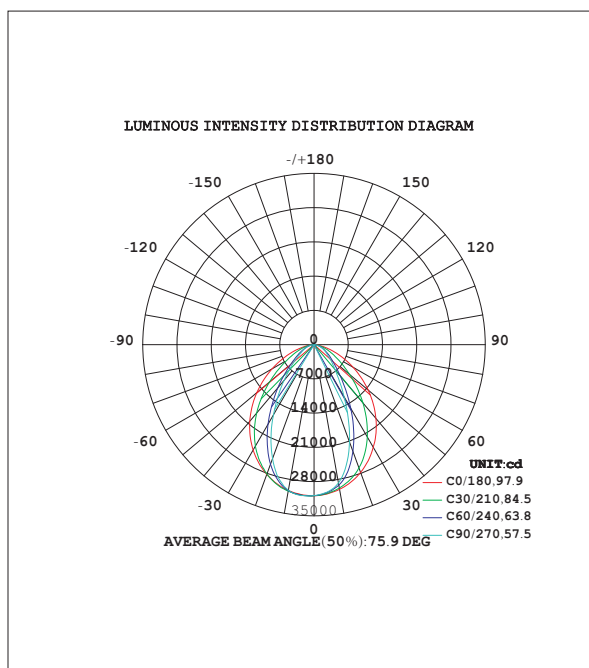
LUMINAIRE PHOTOMETRIC TEST REPORT

PHB09-280[NN,SN,DM,EP,SD,DE]-XXL0



Height	Eavg,Emax	Angle:76.80deg	Diameter
1.219m	6851,142431x		193.27cm
2m	2546,52931x		317.04cm
3m	1132,23521x		475.55cm
4m	636.5,13231x		634.07cm
5m	407.4,846.91x		792.59cm
6m	282.9,588.11x		951.11cm
7m	207.8,432.11x		1109.63cm
8m	159.1,330.81x		1268.14cm
9m	125.7,261.41x		1426.66cm
10m	101.8,211.71x		1585.18cm

PHB12-400[NN,SN,DM,EP,SD,DE]-XXL0



Height	Eavg,Emax	Angle:75.90deg	Diameter
1.219m	10438,208081x		190.17cm
2m	3879,77331x		311.95cm
3m	1724,34371x		467.93cm
4m	969.8,19331x		623.91cm
5m	620.6,12371x		779.88cm
6m	431.0,859.21x		935.86cm
7m	316.7,631.21x		1091.83cm
8m	242.4,483.31x		1247.81cm
9m	191.6,381.91x		1403.79cm
10m	155.2,309.31x		1559.76cm



Replacement

SPECS	PHB04-120	ML	MH	HPS	FLUORESCENT
LUMENS	15600 lm	15000 lm	16500 lm	15300 lm	16200 lm
WATTAGE	120W	300W(200+100W)	300W(150W*2)	170W(100+70W)	270W(54W*5)
EFFICACY	130 lm/W	50 lm/W	55 lm/W	90 lm/W	60 lm/W
LIFE (HOURS)	100,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs
LUMEN DIFFERENTIAL		-600 lm	900 lm	-300 lm	600 lm
WATTAGE DIFFERENTIAL		180W	180W	50W	150W
% ENERGY SAVINGS		60.0%	60.0%	29.4%	55.6%
NUMBER OF LAMPS		2	2	2	5

SPECS	PHB04-120	ML	MH	HPS	FLUORESCENT
LUMENS	19200 lm	20000 lm	19250 lm	18900 lm	19440 lm
WATTAGE	120W	400W	350W(175W*2)	210W(70W*3)	324W(54W*6)
EFFICACY	160 lm/W	50 lm/W	55 lm/W	90 lm/W	60 lm/W
LIFE (HOURS)	100,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs
LUMEN DIFFERENTIAL		800 lm	50 lm	-300 lm	240 lm
WATTAGE DIFFERENTIAL		280W	230W	90W	204W
% ENERGY SAVINGS		70.0%	65.7%	42.9%	63.0%
NUMBER OF LAMPS		1	2	3	6

SPECS	PHB06-200	ML	MH	HPS	FLUORESCENT
LUMENS	26000 lm	25000 lm	24750 lm	27000 lm	25920 lm
WATTAGE	200W	500W	450W(150W*3)	300W(150W*2)	432W(54W*8)
EFFICACY	130 lm/W	50 lm/W	55 lm/W	90 lm/W	60 lm/W
LIFE (HOURS)	100,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs
LUMEN DIFFERENTIAL		-1000 lm	-1250 lm	1000 lm	-80 lm
WATTAGE DIFFERENTIAL		300W	250W	100W	232W
% ENERGY SAVINGS		60.0%	55.6%	33.3%	53.7%
NUMBER OF LAMPS		1	3	2	8

SPECS	PHB06-200	ML	MH	HPS	FLUORESCENT
LUMENS	32000 lm	30000 lm	33000 lm	31500 lm	32400 lm
WATTAGE	200W	600W(500+100W)	600W(400+200W)	350W(150*2+50W)	540W(54W*10)
EFFICACY	160 lm/W	50 lm/W	55 lm/W	90 lm/W	60 lm/W
LIFE (HOURS)	100,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs
LUMEN DIFFERENTIAL		-2000 lm	1000 lm	-500 lm	360 lm
WATTAGE DIFFERENTIAL		400W	400W	150W	340W
% ENERGY SAVINGS		66.7%	63.7%	42.9%	63.0%
NUMBER OF LAMPS		2	2	3	10



Replacement

SPECS	PHB09-280	ML	MH	HPS	FLUORESCENT
LUMENS	36400 lm	35000 lm	35750 lm	38000 lm	35640 lm
WATTAGE	280W	700W(500+200W)	650W(500+150W)	400W	594W(54W*11)
EFFICACY	130 lm/W	50 lm/W	55 lm/W	95 lm/W	60 lm/W
LIFE (HOURS)	100,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs
LUMEN DIFFERENTIAL		-1400 lm	-650 lm	1600 lm	-760 lm
WATTAGE DIFFERENTIAL		420W	370W	120W	314W
% ENERGY SAVINGS		60.0%	56.9%	30.0%	52.9%
NUMBER OF LAMPS		2	2	1	11

SPECS	PHB09-280	ML	MH	HPS	FLUORESCENT
LUMENS	44800 lm	45000 lm	44000 lm	42750 lm	45360 lm
WATTAGE	280W	900W(500+400W)	800W(400W*2)	450W(400+50W)	756W(54W*14)
EFFICACY	160 lm/W	50 lm/W	55 lm/W	95 lm/W	60 lm/W
LIFE (HOURS)	100,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs
LUMEN DIFFERENTIAL		200 lm	-800 lm	-2050 lm	560 lm
WATTAGE DIFFERENTIAL		620W	520W	170W	476W
% ENERGY SAVINGS		68.9%	65.0%	37.8%	63.0%
NUMBER OF LAMPS		2	2	2	14

SPECS	PHB12-400	ML	MH	HPS	FLUORESCENT
LUMENS	52000 lm	50000 lm	49500 lm	50000 lm	51840 lm
WATTAGE	400W	1000W(500+500W)	900W(500+400W)	500W	864W(54W*16)
EFFICACY	130 lm/W	50 lm/W	55 lm/W	100 lm/W	60 lm/W
LIFE (HOURS)	100,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs
LUMEN DIFFERENTIAL		-2000 lm	-2500 lm	-2000 lm	-160 lm
WATTAGE DIFFERENTIAL		600W	500W	100W	464W
% ENERGY SAVINGS		60.0%	55.6%	20.0%	53.7%
NUMBER OF LAMPS		2	2	1	16

SPECS	PHB12-400	ML	MH	HPS	FLUORESCENT
LUMENS	64000 lm	62500 lm	64625 lm	61750 lm	64800 lm
WATTAGE	400W	1250W(500*2+250W)	1175W(400*2+175W)	650W(400+250W)	1080W(54W*20)
EFFICACY	160 lm/W	50 lm/W	55 lm/W	95 lm/W	60 lm/W
LIFE (HOURS)	100,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs
LUMEN DIFFERENTIAL		-1500 lm	625 lm	-2250 lm	800 lm
WATTAGE DIFFERENTIAL		850W	775W	250W	680W
% ENERGY SAVINGS		68.0%	66.0%	38.5%	63.0%
NUMBER OF LAMPS		3	3	2	20

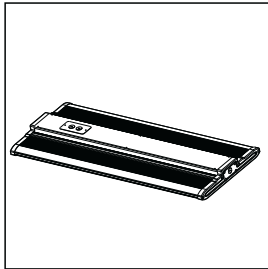
Installation Instruction

WARNING

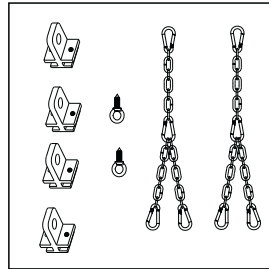
1. Turn power off before inspection, installation or removal.
2. The installation should be performed by qualified electricians or lighting technicians.
3. Before conducting any installation, maintenance, or removal, disable all power to the luminaires and wait until the fixture cool down.
4. Do not touch the fixture while it is in service.
5. If there is any problem with the fixture, DO turn off power and DO NOT attempt repair unless you are a qualified technician or the customer service member.

Inspect the fixture condition and accessories before installation. To install with optional kit.

Option1: Hanging Installation



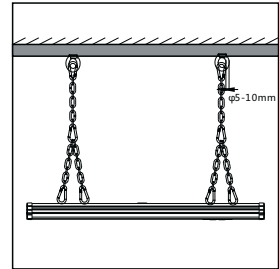
1. Take out the product



2. Prepare suspension bracket hanging chain and Rings

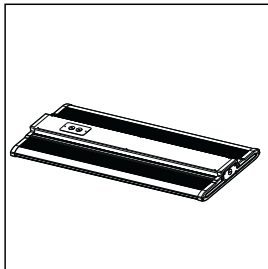


3. The hanging chain into the hanging bracket

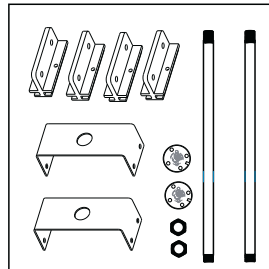


4. Fix the rings to the ceiling, then hang the lights in the rings

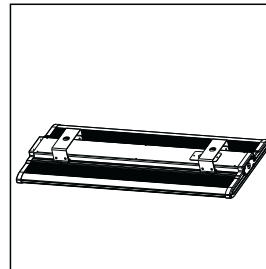
Option2: Boom Installation



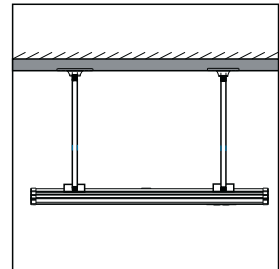
1. Take out the product



2. Prepare hanging bracket A / B, hanging bar, nut and ceiling mount

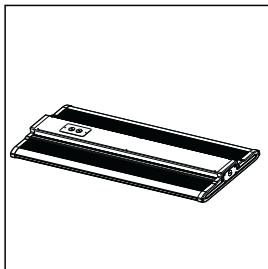


3. Secure the bracket A / B with screws

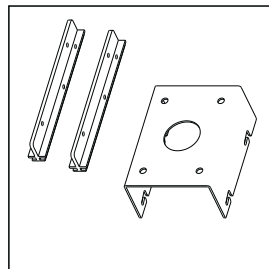


4. Fix the ceiling base to the ceiling with screws, penetrate the hanging base into the ceiling base and bar holder B, and secure with the nut.

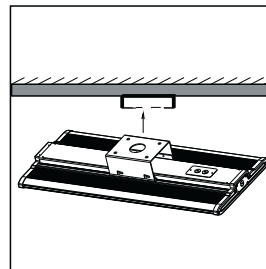
Option3: Ceiling mounting



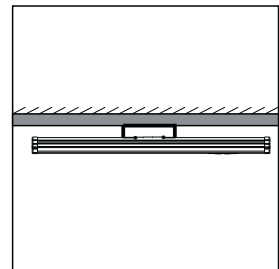
1. Take out the product



2. Prepare ceiling bracket A / B



3. Fix Ceiling Bracket B to the ceiling and secure 4 screws on Suction Bracket A.



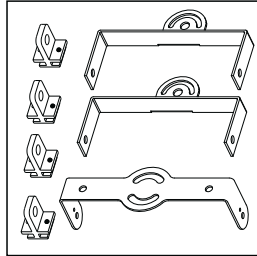
4. Install the four screws on the ceiling bracket A into the ceiling bracket B.

Installation Instruction

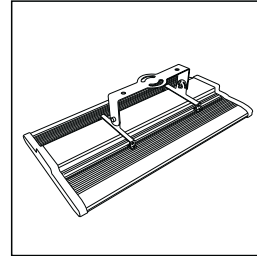
Option4:Rotate installation



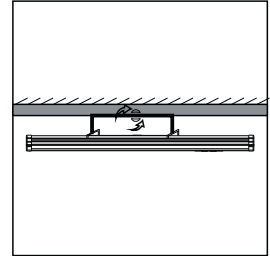
1.Take out the product



2.Prepare hanging bracket A, swivel bracket A, and swivel bracket B.



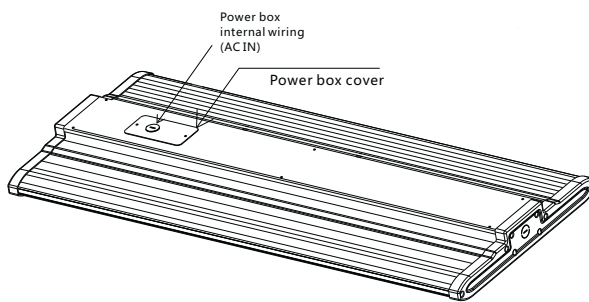
3.Fix the suspension bracket A, swivel bracket A and swivel bracket B with screws



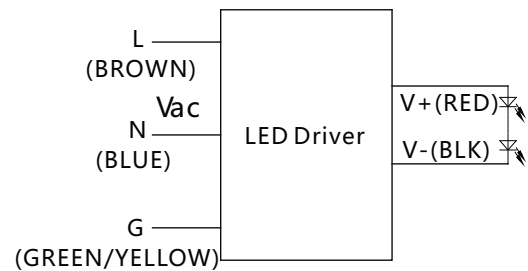
4.Fix the swivel bracket on the fixture above the ceiling and rotate it to the desired angle

Please pay attention to the status and function of the lamp before installation.
Connect with a connectable way.

Connection instructions A:

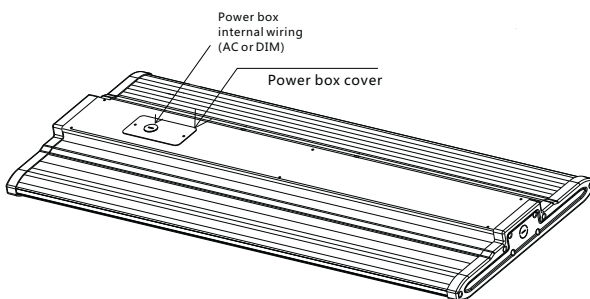


Without any function wiring diagram

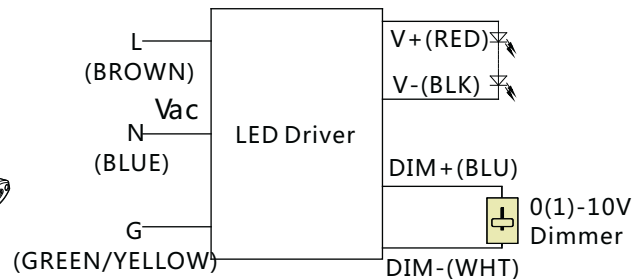


Open the power box, insert a 1/2-inch conduit into the junction box, tighten the nut at the end of the conduit with a screw, and secure the junction box after wiring in the power box.

Connection instructions B:



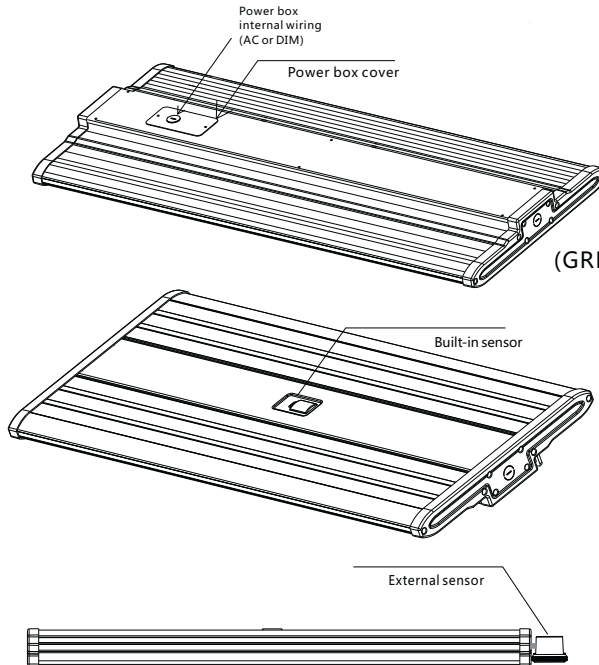
0(1)-10V Dimming wiring diagram



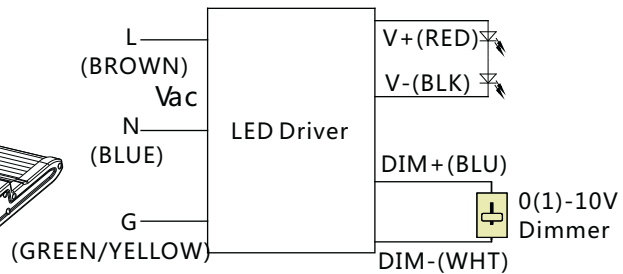
Open the power box, insert a 1/2-inch conduit into the junction box, tighten the nut at the end of the conduit with a screw, and secure the junction box after wiring in the power box.

Installation Instruction

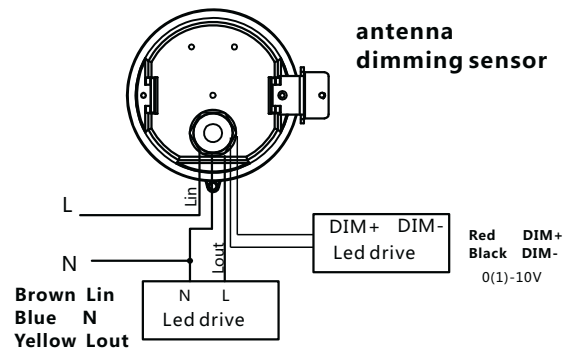
Connection instructions C:



0(1)-10V Dimming wiring diagram



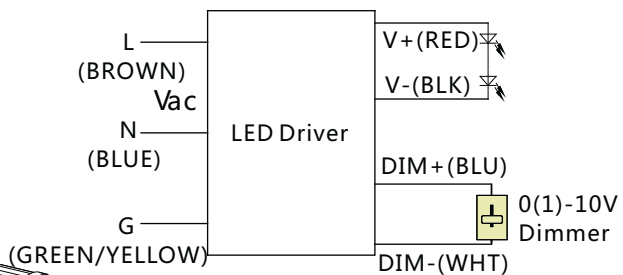
Antenna dimming sensor wiring diagram



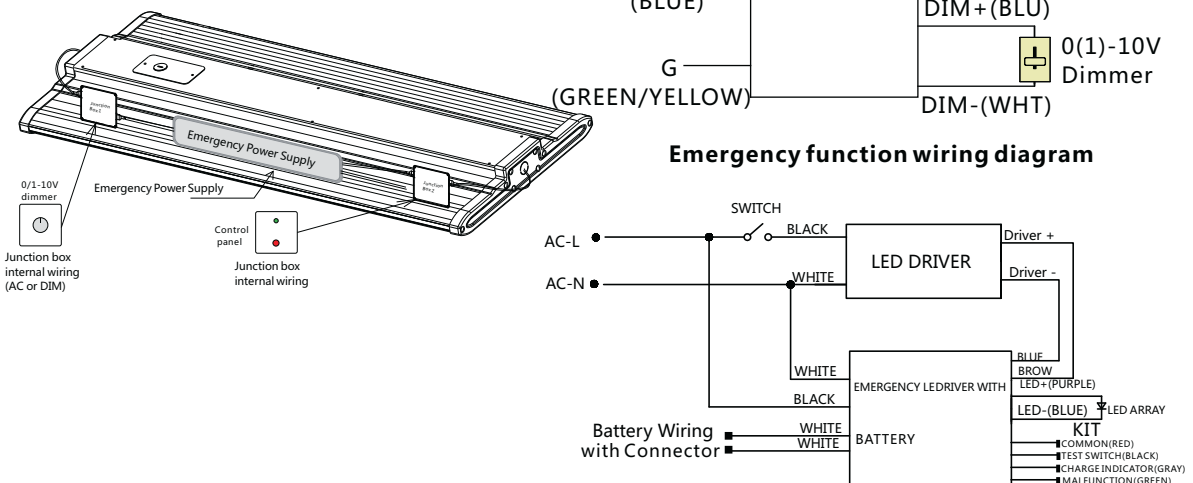
Open the power box, insert a 1/2-inch conduit into the junction box, tighten the nut at the end of the conduit with a screw, and secure the junction box after wiring in the power box.

Connection instructions D:

0(1)-10V Dimming wiring diagram



Emergency function wiring diagram

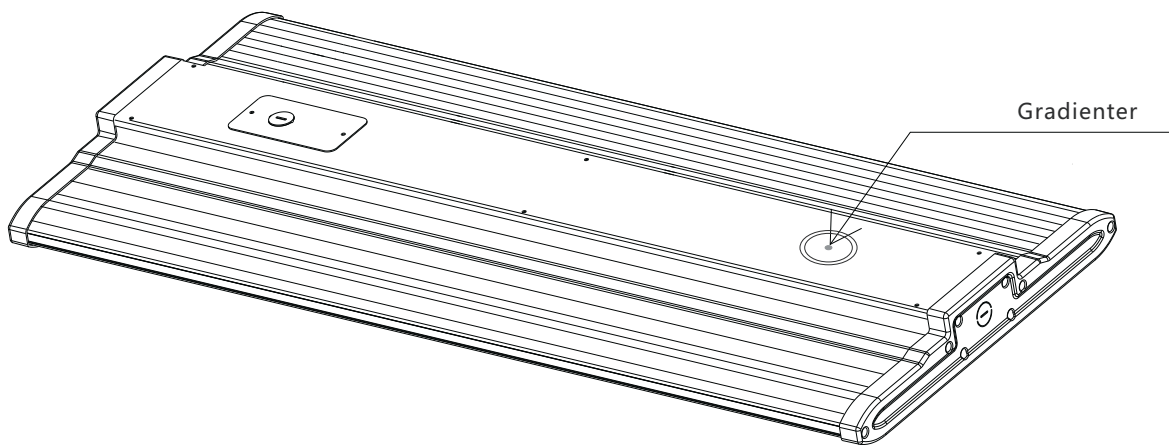


Installation Instruction

Open the power box, insert a 1/2-inch conduit into the junction box, tighten the nut at the end of the conduit with a screw, and secure the junction box after wiring in the power box

Precautions(Installation Instruction)

At the time of installation, the mercury in the gradienter is observed to be in the middle state, indicating that the lamps have been installed smoothly.



Precautions(Antenna dimming sensor)

- 1.Microwaves cannot pass through metal or brick walls if thicker than 20CM. They will through thinner walls but there will be some attenuation.
- 2.Installation should pay attention to the objects within the induction region with weather which may activate the sensor. For example; the trees in the sensing area, the branches with the force of the wind blowing swing movement(rapid) which will cause the lamp illuminate for a long time.

Precautions(Emergency function)

- 1.Do not mate connector until installation is complete and AC power is supplied
- 2.Test accessory leads-observe proper polarity wiring

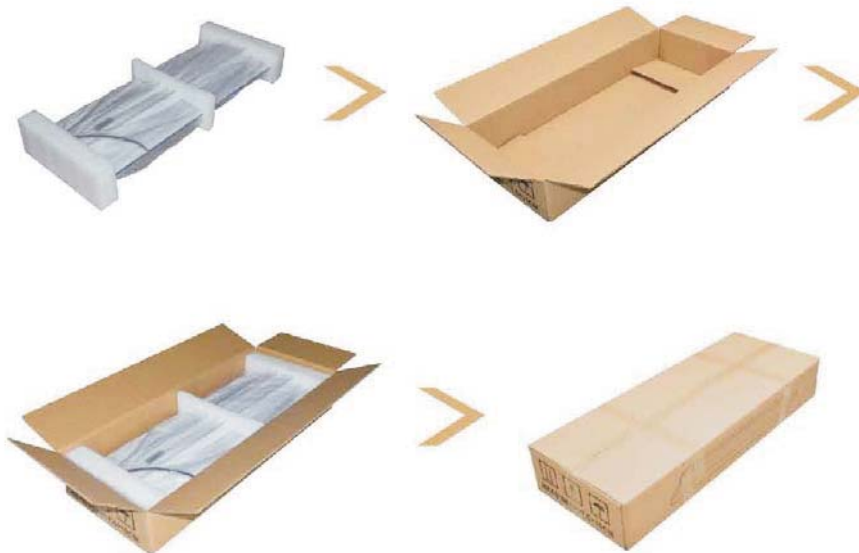
TROUBLESHOOTING

- 1.Check that the line voltage at the fixture is correct.
Refer to wiring directions.
- 2.Is the fixture grounded properly?
- 3.Be sure the photocell,if used,is functioning properly.

CLEANING&MAINTENANCE

CAUTION:Be sure fixture temperature is cool enough to touch.Do not clean or maintain while fixture is energized.

Packing Info



PRODUCT NOTESICH

- 1.Read the instructions carefully before installing the product and keep it for reference.
- 2.If you Buy 1-10V,0-10V,time controlled dimming products,Please refer to 0-10V,1-10V, time control dimming wiring diagram.
- 3.Product dimminig wire already be adjusted to do a good job of water treatment before delivery,if you do not need to adjust the light,please do not move the dimming wire.
- 4.Cut off the power supply when install maintain, or disassemble the product to avoid dange, we advise you had better it by professional.
- 5.Operating temperature is 40°C,environment humidity is 10% to 90%,If beyond the scope it will affect product life.
- 6.You cannot use rough cloth to clean products,otherwise you will cause damage to the husk, banned use of corrosive or solubility chemical liquid cleaning products,otherwise,it will damage the protective layer on the surface of a product.
- 7.when the lamp comes of its service life,please seriously do a good job in recycling.You can also ask the local relevant institution or retailer for recycling advice.