



JUNIOR

LED UFO Round High Bay



UFO Junior

Beyond LED Technology's New Junior UFO High Bay is the newest and most feature rich product of 2021. This Junior fixture offers High Lumens per Watt and it's CCT Adjustable. The UFO Junior is built to last with standard 4kv surge protection, 113°F ambient temperature rating, and IP65 rating for elimination of dust, moisture, and airborne contaminants. The unique easy connect driver to optical assembly interface allows for quick and easy maintenance for applications including warehousing, gymnasiums, manufacturing, and outdoor canopies. Our Junior High Bay is fully ready to integrate with most smart control systems.

- Up to 155 Lumens per watt
- CCT Adjustable 3000K, 4000K, & 5000K
- Ultra thin Sleek Design
- 0-10V Dimming capability
- Plug and Play Motion Sensor
- Several mounting options
- IP65 water, dust, corrosion, and pressure proof
- Optional Emergency backup
- Universal 100-277Vac / 480Vac optional
- DLC listed
- Various installation methods

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UFO Junior - HD High Bay Light

SKU #	Model #	Watts	Lumens	CCT	Housing Color	Input Voltage	Certifications
154232	BLT-HB05B-150WS1XYD1-abcde	150W	21902Lm	CCT Adjustable 3000/4000K/5000K	White	100-277Vac	UL
151778	BLT-HB05B-240WS1XYD1-abcde	240W	34922Lm	CCT Adjustable 3000K/4000K/5000K	White	100-277Vac	UL

**Standard
Hook Mount**



**Optional
200W / 240W U-Bracket
SKU: 151886**



**Optional Motion Sensor
SKU: 152598**

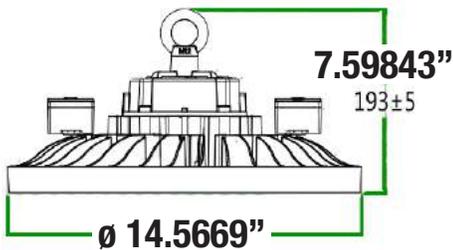


**Optional Motion Sensor
Remote SKU: 152613**

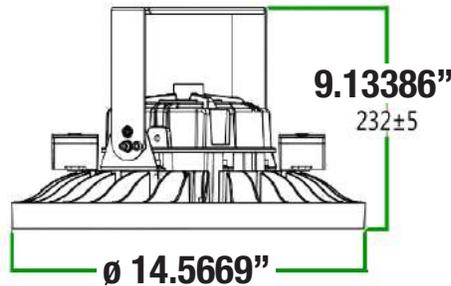


Dimensions

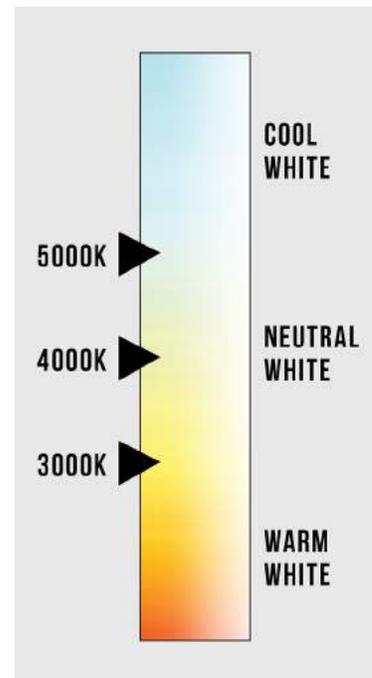
Hook Mounted



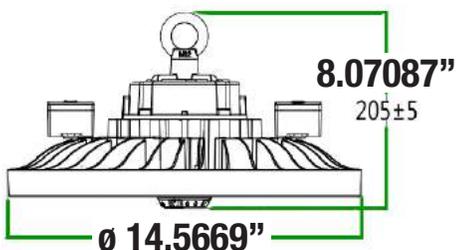
Surface Mounted



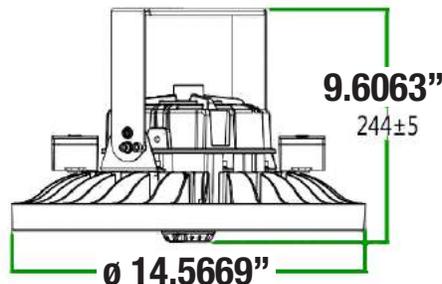
CORRELATED COLOR TEMPERATURE (CCT)



**Hook Mounted with Motion
Sensor**



**Surface Mounted with Motion
Sensor**



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Specifications



OPTICAL	Input Power (Tolerance : ±10%)	240W			
	Color Temperature	3000K	4000K	5000K	
	Lumen (Tolerance : -10%)	32650LM	37200LM	34550LM	
	Efficacy (Tolerance : -3%)	136LM/W	155LM/W	144LM/W	
	CRI	>80			
	Color Consistency	<6 Steps (or <6 SDCM)			
	UGR	<28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)			
	Diffuser Type	PC Lens			
ELECTRICAL	Beam Angle (50%) (Tolerance : ±15%)	90 Degree			
	Input Voltage and Frequency	100-277VAC, 50/60Hz			
	PF (Tolerance : -3%)	≥0.9			
	THD (Tolerance : +5%)	≤20%			
	Flicker Percent	<5%			
	Driver Brand	SOSEN			
	Driver Model	SS-240CNL-260BH			
	Driver Surge protection	L/N-PE: 4kV, L-N: 4kV			
	Dimming	0-10V dimming standard			
Optional Accessory	Motion Sensor, Surge-protective Device				
MATERIALS	LED Brand	Lumileds			
	LED Type	SMD2835			
	LED QTY	800PCS			
	Housing	Die-cast aluminum			
	Housing Color	White			
	Waterproof Rating	WET (IP65)			
OTHERS	Operating Temperature	-40°F to 122°F			
	Storage Temperature	-40°F to 176°F			
	Operating Humidity	20% - 90% RH			
	Storage Humidity	10% - 95% RH			
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 77°F.			

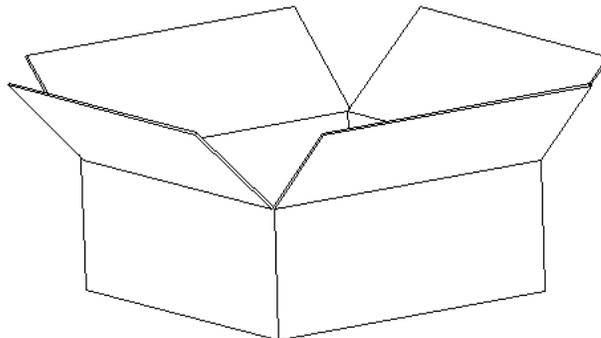
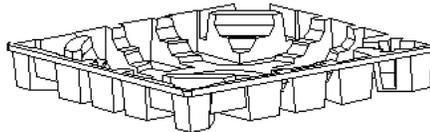
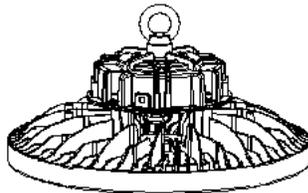
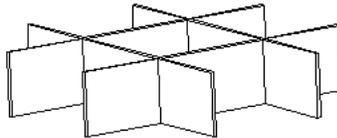
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Packing

Model	Type	Pcs/Box	Dimensions	Weight	Pallet Quantity	Pallet Weight	Pallet Dimensions
240W Hook Mount	UFO	1	18" X 18" X 9"	10 Lb			
240W Surface Mount	UFO	1	18" X 18" X 9"	12 Lb			

Tolerance of Carton Size: ± 0.59 IN, Tolerance of Weight: $\pm 10\%$.



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Installation

Cautions:

1. Can not use the electric generator to test the LED lamp.
2. Please abide by related country, regional and local law and regulations when install this fixture.
3. Please turn off the power before installation or maintenance.
4. Proper earth grounding is required to ensure safety.

Notice:

1. To avoid possibility of electrical shock or fire, the installation personnel must have professional electric knowledge.
2. Please wear gloves to avoid injury before installation.
3. If any smoke or spark of the wire happened, please turn off the power immediately and notify relevant personnel.

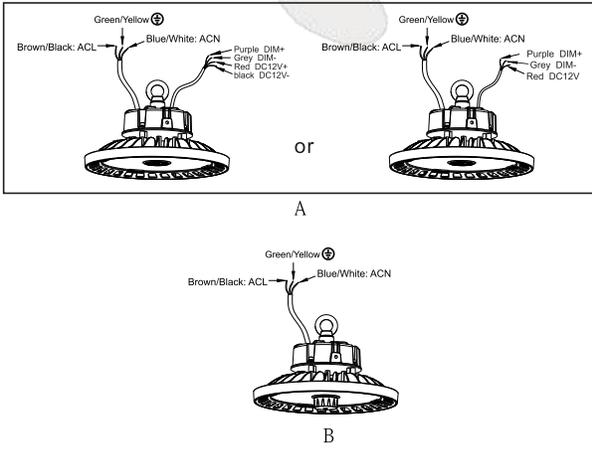
Attention:

1. Please check if there is any damage during shipping. If so, please contact manufacturer timely.
2. Please read the installation instruction carefully to check whether all the accessories are complete. After confirmation, then install the fixture according to installation steps.

Wiring Diagram & Instruction:

This led high bay light can be equipped with optional DC motion sensor, and is available with 1-10V dimming function, with following 3 dimming solutions:

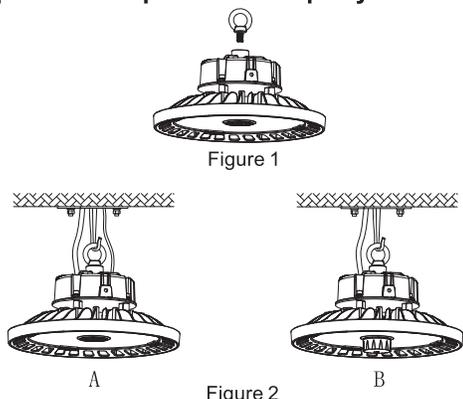
1. 1-10V dimming,
2. Intelligent dimming with DC motion sensor,
3. Pre-install tool-free handling DC motion sensor dimming module, and choose dimming function freely.
4. According to different product models, there are two different cases that DC12V wire and DIM wire may have three or four cores. Please refer to Figure A for the specific wiring method.



Installation Methods: Hook Mount, Ceiling Mount, 1/2"NPT Mount. (Please choose the most suitable installation method for the purchased product as per your needs)

Hook Mount:

1. Screw the hook into the fixture, tighten and fix it. (figure 1)
2. Hang the fixture on the ceiling hook or chain. (figure 2)
3. After installation, connect the wire of the fixture to the mains according to local wiring rules, ensure the connection is stable and make good protection on the connection.



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Installation

Ceiling Mount:

1. Mark with a mark pen or sharp tool on the mounting surface and drill. (figure 3)
2. Fix screws into the holes with a hammer. (figure 4)
3. Align the bracket hole with screw hole (figure 5), and push the fixture to one side (figure 6) and fix it.
4. After installation, connect the wire of the fixture to the mains according to local wiring rules, ensure the connection is stable and make good protection on the connection. By adjusting the brackets screws, users can adjust 50° to the left or right vertically. (figure 7)

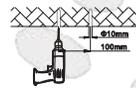


Figure 3

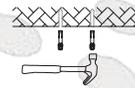


Figure 4

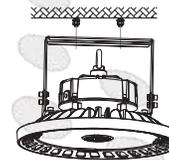


Figure 5

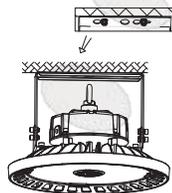


Figure 6

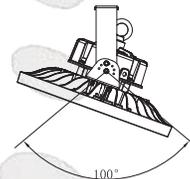


Figure 7

1/2"NPT Mount

1. Unscrew the nuts on 1/2" NTP. (figure 8)
2. Insert 1/2" NTP stem into the bracket hole. (figure 9)
3. Re-screw the nuts. (figure 10)
4. After installation, connect the wire of the fixture to the mains according to local wiring rules, ensure the connection is stable and make good protection on the connection. By adjusting the brackets screws, users can adjust 50° to the left or right vertically. (figure 11)

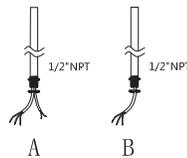


Figure 8

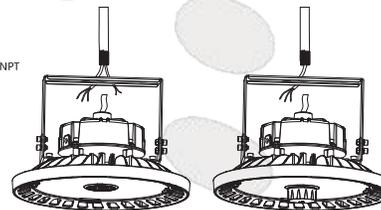


Figure 9

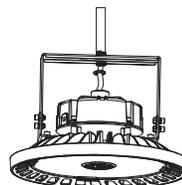


Figure 10

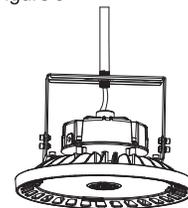


Figure 11

Installation of DC motion sensor

It could be easily installed without using any tools. Choose whether to install the motion sensor or not as per your demand (figure 12); if not, unscrew the motion sensor and replace it with a protection cover, and vice versa.

Note: the motion sensor has no dialing code, and a remote controls needed for adjustment. Please refer to the instruction for remote control adjustment.

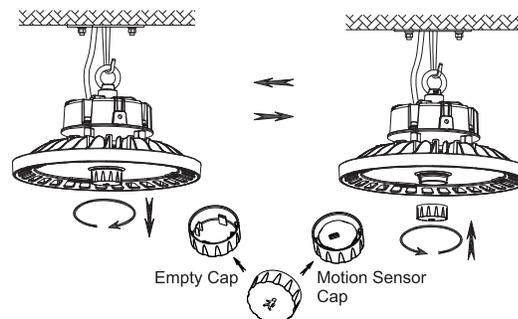


Figure 12

Warning / Avertissement:

MIN 90°C SUPPLY CONDUCTOR.

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

LES FILS D'ALIMENTATION 90°C MIN.

CE PRODUIT DOIT ÊTRE INSTALLÉ SELON LE CODE D'INSTALLATION PERTINENT, PAR UNE PERSONNE QUI CONNAÎT BIEN LE PRODUIT ET SON FONCTIONNEMENT AINSI QUE LES RISQUES INHÉRENTS.

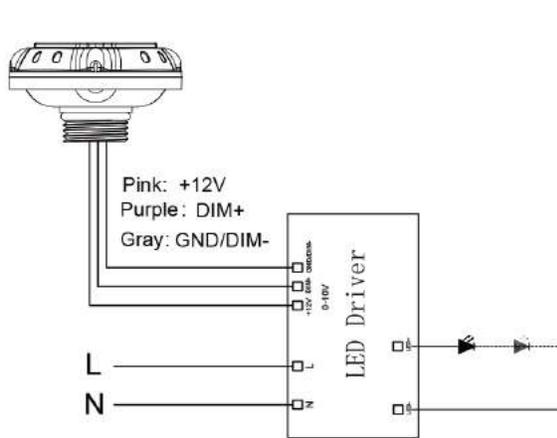
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Due to continuous product improvement, information in this document is subject to change.

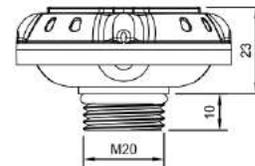
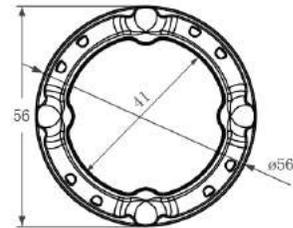
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Motion Sensor Specifications - SKU 152598



Wiring diagram



Unit:mm



On/off control



Stand-by dimming level



Detection area



Remote control setting



Hold time



10-15M Highbay altitude



Daylight sensor



5 years



Stand-by period

01 Technical data

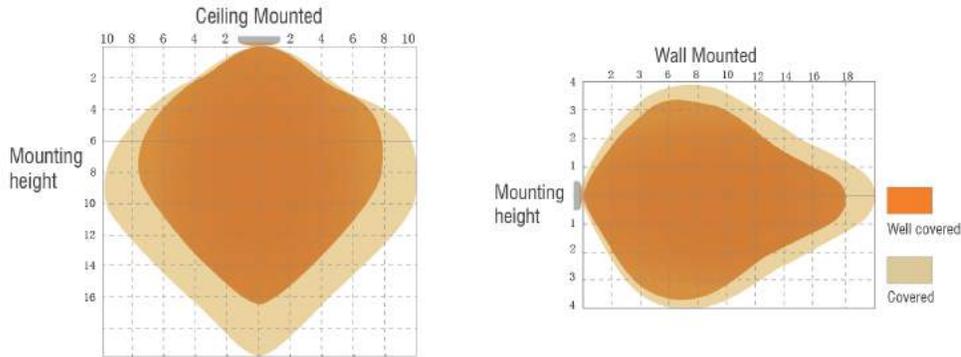
Operating voltage	12±2V DC
Operating current	30mA
Output	DIM 0-10V
Stand-by power	<0.5W
Brightness	70%/80%/90%/100%
Sensitivity	20%/50%/75%/100%
Hold time	10s/1min/10min/30min
Daylight threshold	10Lux/30Lux/50Lux/100Lux/Disable
Stand-by time	1min/30min/60min/+∞
Stand-by dimming level	10%/20%/30%/50%
Microwave frequency	5.8GHz±75MHz
Microwave power	<0.5mW
Detection angle	30°-150°
Control line	Pink:+12V; Purple:DIM+; Gray:GND/DIM-
Mounting height	Max.15m(ceiling mounted)
Detection range	Max.015m(ceiling mounted) Max.20m(wall mounted)
Operating temperature	-30° C+60° C
IP rating	IP65

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Motion Sensor Specifications - SKU 152598

02 Detection coverage

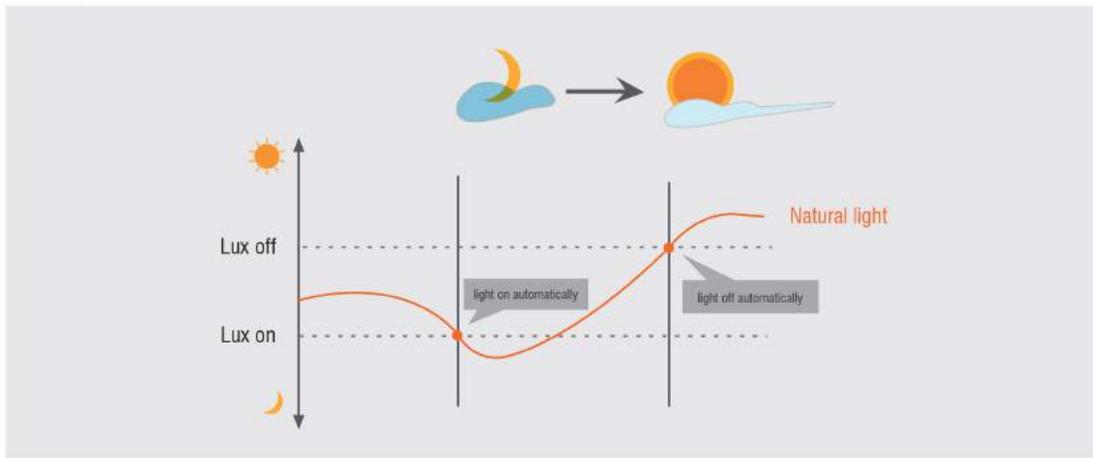


03 Lux on/off

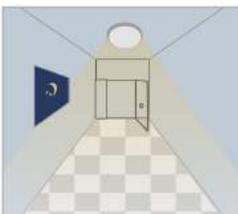
Adopted dual PD technology, HB01DMS-A/B is able to differentiate artificial light brightness from natural light after installed inside the fixture, and automatically turn off light when ambient brightness exceeds preset lux level.

Preconditions to use the Lux-off function:

1. Stand-by period is $+\infty$;
2. Stand-by dimming level is on 10%, 20%, 30% or 50%;
3. Daylight threshold is on 10Lux, 30Lux, 50Lux or 100Lux.



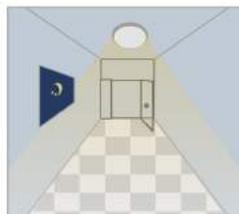
04 Application—Lux on/off



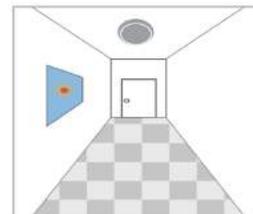
Light automatically on when ambient brightness is lower than preset lux level.



With insufficient ambient brightness, light dims to 100% when motion detected.



Light dims to stand-by level if no motion detected after hold time.



Light off when ambient lux level is higher than preset lux amount.

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Motion Sensor Remote Control Specifications - SKU 152613

HB03R

Remote for dimmable sensors



Display Area

BRIGHTNESS (70%/80%/90%/100%)
DAYLIGHT (10k/30k/50k/100k)
STANDBY DIM (10%/20%/30%/50%)

HOLD TIME (10S/1min/10min/30min)
SENSITIVITY (20%/50%/75%/100%)
STANDBY TIME (+∞ /1min/30min/60min)

Button Setting Area

- ON/OFF** (Long press the "ON/OFF" button until the brightness indicator light is on(First-row),Press to turn on or turn off the fixture.)
- BRIGHTNESS** (Press to adjust dimming level 70%/80%/90%/100%.)
- SEND** (Press to save settings after each change,The indicator light confirms the save setting.)
- HOLD TIME** (Press to adjust hold time 10s/1min/10min/30min.)
- DAYLIGHT** (Long press the button until the daylight indicator light is on,press to adjust daylight threshold 10k/30k/50k/100k.)
- SENSITIVITY** (Press to adjust sensitivity 20%/50%/75%/100%.) Note: PIR Motion Sensor have no sensitivity setting,the default 100%.
- STANDBY DIM** (Press to adjust stand-by dimming level 10%/20%/30%/50%.)
- STANDBY TIME** (Press to adjust stand-by time +∞ /1min/30min/60min.)
 Note: "+∞" means unlimited stand-by time,and the light control mode is the light control priority mode, otherwise it's the light threshold mode.
- RESET**
 Press "RESET"button,products with DIP switch will be controlled by DIP switches;Otherwise all the setting will change,which is Brightness 70%/ Hold time 10s/ Sensitivity 20%/ Daylight threshold disable/Stand-by dimming level 10% / Stand-by time+∞.
- TEST**
 The button "TEST" is for testing purpose after debugging,Pressing this button,the sensor goes to test mode(hold time is only 3s).
- +** Press to increase brightness(0-100%).
- Press to reduce brightness(100%-0%).

Attention

1. If you want to send a setting,it will only work if the remote control is on.If you don't press any button within 10 seconds,the indicator light will go out.
2. When using "ON/OFF" button,the rest buttons except the "ON/OFF","BRIGHTNESS"and "SEND"buttons will be disabled.
3. When using "TEST" button,the rest buttons except the "TEST","SENSITIVITY"and "SEND"buttons will be disabled.
4. Every change needs to press "SEND" button,it will be saved.
5. Because of the power supply DIMMING ratio difference, when using different power, "BRIGHTNESS" and "STANDBY DIM" adjust percentage of the power will have difference with the measured power.
6. Light control priority mode: the on/off illumination values of each gear are 10k/50k, 30k/100k, 50k/150k and 100k/200k.
7. Light threshold mode:the on/off illumination values of each gear is 10k/30k/50k/100k, when the light intensity is less than set value and the movement of someone or an object is induced, the light is turned on to the preset brightness.

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User Notice

- Please turn off the power before installing or changing assembly parts.
- The input voltage and lamps should be matching. Before connecting the power line, please make sure the wiring section is insulated.
- Only professionals should install and disassemble the lamps.

Trouble Shooting

- Flickering light - Turn off the power and turn on again in 3 minutes. If the same phenomena occurs, then call Support.
- Not working - Please check all power connections.

Application



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Application

