

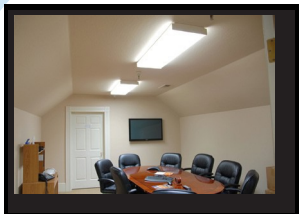
# Retrofit

# T8, fluorescent Commercial Quality Lamps



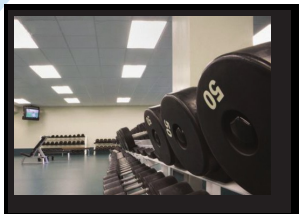
Our \* **replacement lamps** deliver unprecedented **value**, performance & **savings** without compromise.

- Consumes up to **50% less energy** high efficiency & longer usable life than comparable 4' - 8' fluorescent.

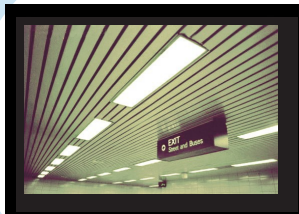


- Bright, even light**  
**Instant on/of**  
**No delays or flicker**

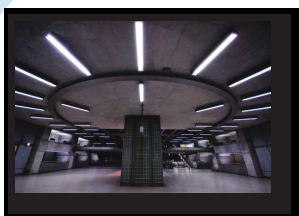
- Easily retrofit** for existing conventional fixtures, **Universal voltage 100-277** no ballasts needed



- Safe**— free of hazardous **lead, mercury & fragile glass**, no damaging UV light, infrared radiation or CO<sub>2</sub> emissions




- Unlimited** indoor applications for overhead illumination, retail fixtures, signage & accents – (4' - 8' lengths available)



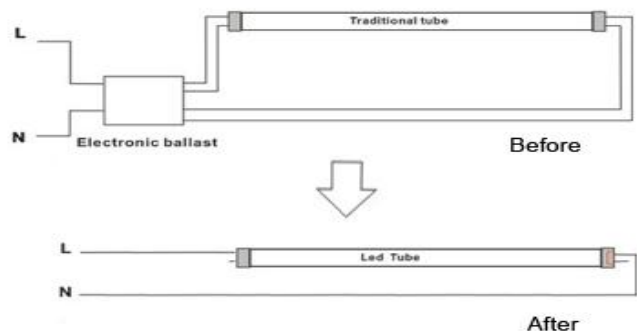
Ask about our great volume pricing.

## High-integrity “industrial grade” lamps that are built to last...

High Efficiency & Long Life   
Quality Materials for Optimal Performance  
Standardized Formats & “Smart” Features  
Environmentally Responsible & Safe

	4' "	8' "
Line Voltage	100-277v	100-277v
Wattage	15w	30w
Lumens	2000	4000
Efficacy (LM/W)	133	133
Hours	50,000	
Color Accuracy (CRI)	≥ 80+	
Color Options (CCT)	Neutral White (4000K) Cool White (6500K)	
Beam Angle	160°	
Certifications	CE RoHS (UL/ETL Pending)	
Warranty	5 Years	

**Easy Installation**  
Only bypass ballast/starter  
Always shut off the power before work



**CCT LIGHTING SYSTEMS, INC**  
A DIVISION OF CUSTOM CONTROL TECHNOLOGY, INC

2230 West 77th Street. Hialeah, FL 33016  
Phone: 305-805-3700 Fax: 305-818-5976  
email: gerry@cct-inc.com



# 360° LED Stubby Lamp 60W

Item No. : CCT-SLHD-006



## Product Features

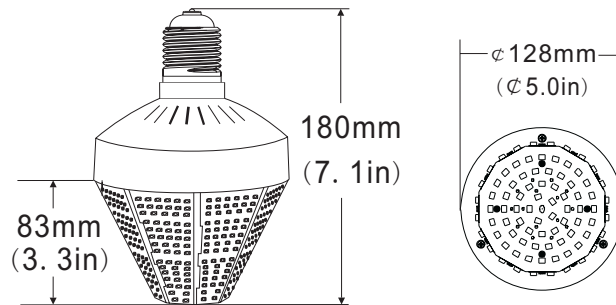
- ◆ Beam angle : 360 degrees
- ◆ Aluminum fins heat sinks and active air exchanging cooling system in order to speed up heat dissipation
- ◆ Direct replacement for CFL with screwed lamp base
- ◆ Take full advantage of the luminous efficiency
- ◆ No RF interference, No IR/UV radiation ,no mercury pollution
- ◆ Wide colour availability in degrees Kelvin(K),2700-6700K
- ◆ Green, energy saving, long and reliable life of 50,000 hours
- ◆ Environment friendly ,energy saving (70~80%)
- ◆ Special circuit design, each LED work separately, avoiding the single broken LED influence problem

## Technical Specifications

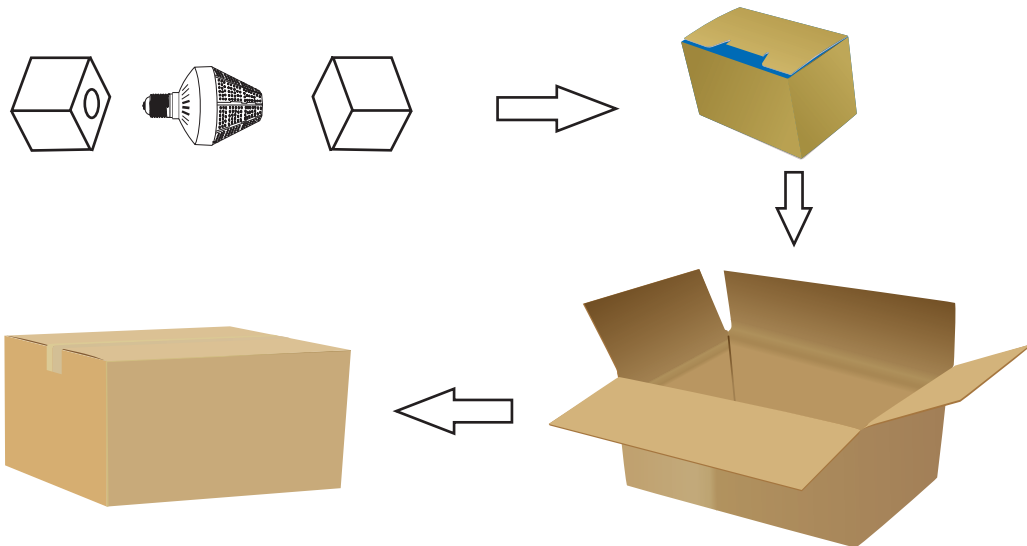
Rated Power	60W
Input Voltage	100-277VAC / 50-60Hz
Certificate	CE ROHS
PF	>0.95
Power Efficiency	>88%
Beam Angle	360°
Light Source/Count	420pcs 2835 SMD LED / Epistar Chip 10*30mil
Lamp Base	E40 / E39 / E27 / E26
LED Luminous Efficiency	>110lm/w
Luminous Flux	6900 lm ±10%
Color Temperature Standard	Warm White: 2,700 ~3,500 K
	Natural White: 4,000~5,000 K
	Cool White: 5,500~6,700K
Color Rendering Index(CRI)	Ra > 80
LED Emitter Life	50,000hours
Replacement	CFL 180W
Applications	Indoor lighting; houses、offices、hotels、custom applications ,etc...
Operating Temperature	-40 ~ 45°C
The Dimensions	∅ 128*180mm
N. W	0.52kg
Packing	1pc/Box, 12pcs/Carton
Packing Size (L*W*H)	16 * 16 * 20 cm / 50 * 46 * 34 cm



## Mechanical Specification

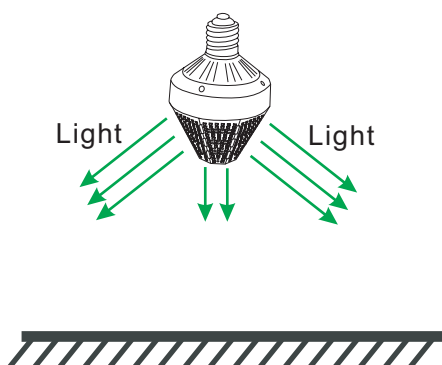


## Package



Packaging unit	Dimensions (L * W * H)	Gross weight	Volume weight
1pc / Box	160*160*200mm	0.7kg	1.1kg
12pcs / Carton	500*460*340mm	9.8kg	15.7kg

## Application



Restaurant

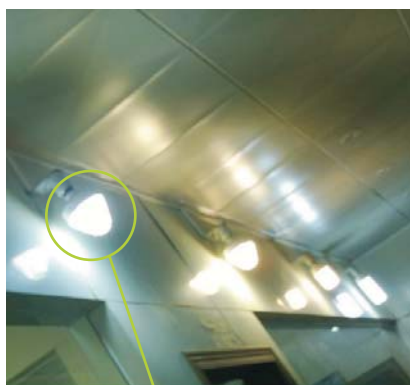


Mall

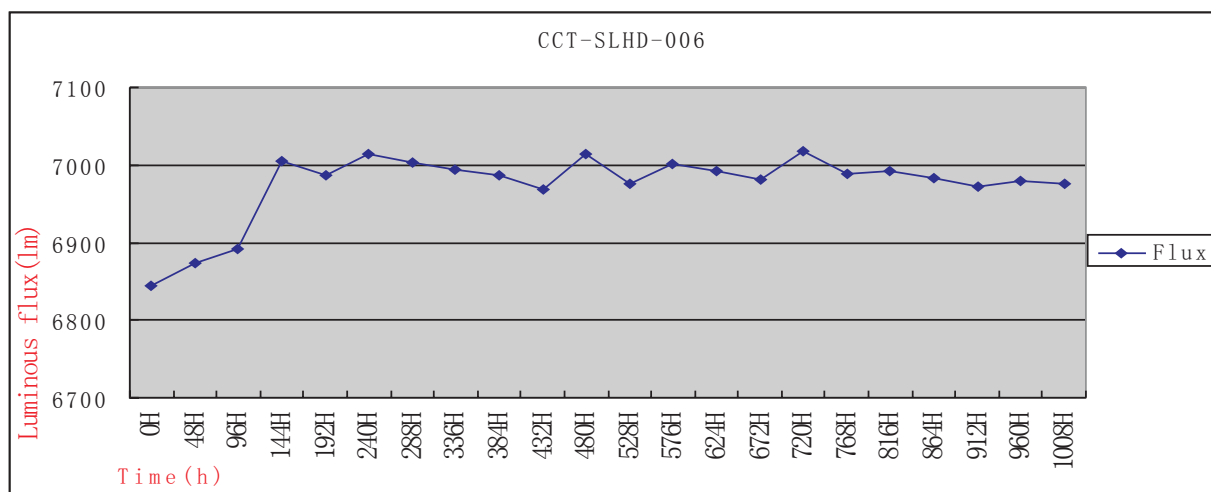




## Illuminance Maintenance



Time	Tools	Temperature	Test Item
0H	Integrating Spheres	TA=32°C	61.7W, 6845lm, 5822K
48H		TA=32°C	61.7W, 6873lm, 5835K
96H		TA=32°C	61.8W, 6891lm, 5873K
144H		TA=33°C	61.8W, 7005lm, 5849K
192H		TA=34°C	61.8W, 6987lm, 5833K
240H		TA=34°C	61.8W, 7015lm, 5836K
288H		TA=34°C	61.7W, 7003lm, 5897K
336H		TA=33°C	61.6W, 6994lm, 5871K
384H		TA=33°C	61.6W, 6987lm, 5838K
432H		TA=33°C	61.5W, 6968lm, 5858K
480H		TA=33°C	62.0W, 7014lm, 5848K
528H		TA=34°C	61.8W, 6975lm, 5851K
576H		TA=34°C	61.9W, 7001lm, 5829K
624H		TA=33°C	61.8W, 6993lm, 5897K
672H		TA=33°C	61.8W, 6982lm, 5845K
720H		TA=34°C	62.0W, 7017lm, 5836K
768H		TA=34°C	61.8W, 6989lm, 5835K
816H		TA=33°C	62.0W, 6993lm, 5877K
864H		TA=35°C	62.0W, 6984lm, 5828K
912H		TA=34°C	61.8W, 6972lm, 5847K
960H	TA=35°C	61.8W, 6980lm, 5836K	
1008H	TA=35°C	61.8W, 6975lm, 5882K	



## Environment

Body Temperature



Ta=25°C

Tc. Max: 57°C

Working Temp.	-20 ~ 45°C
Working Humidity	<80% RH, (non-condensing)
Storage Temp., Humidity	-40 ~ 55°C, <90% RH

**Cautions:** No unventilated application

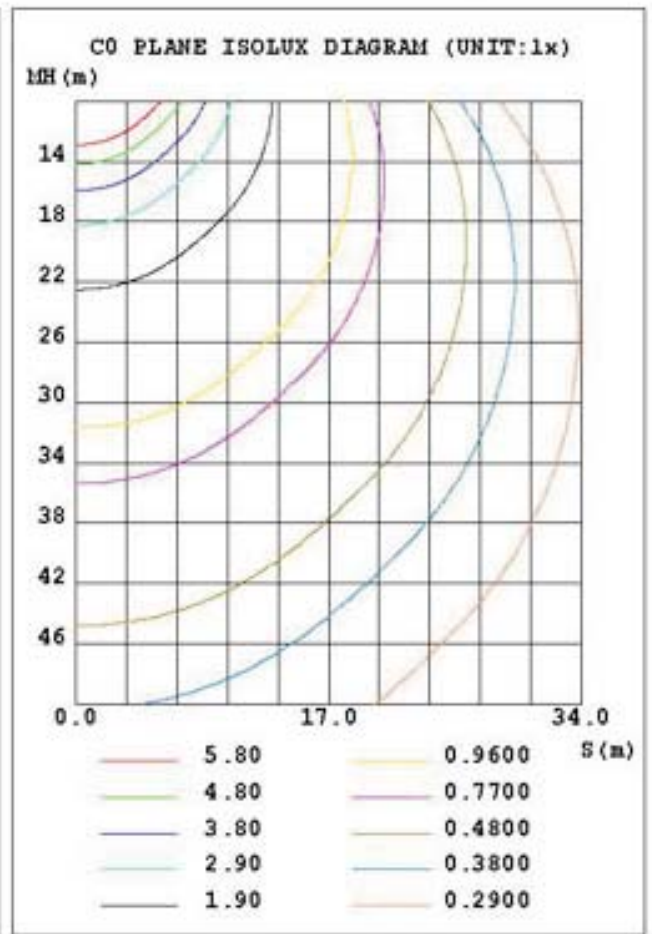
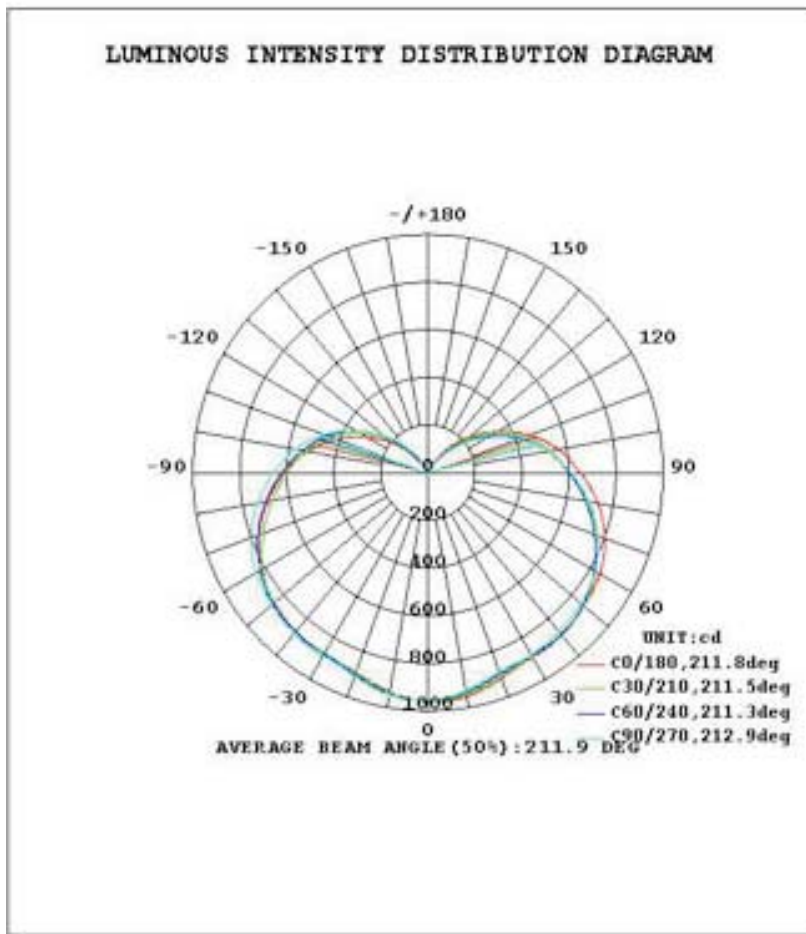
✦ Application in enclosed fixtures may speed up lumen depreciation and shorten lamp life. ①





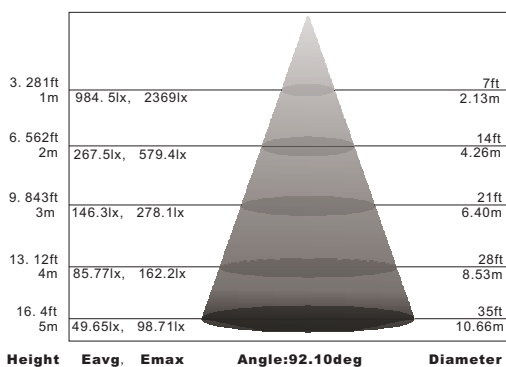
## Luminaire Photometric Test Report

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	963.8	S/MH (C0/180)	1.43
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	1.42
RATED VOLTAGE (V)	228	TOTAL FLUX (lm)	7029.8	$\eta$ UP, DN (C0-180)	13.4, 35.6
NOMINAL FLUX (lm)	7029.8	CIE CLASS	SEMI-D.	$\eta$ UP, DN (C180-360)	14.8, 36.2
LAMPS INSIDE	1	$\eta$ up (%)	28.2	CIBSE SHR NOM	1.75
TEST VOLTAGE (V)	228.2	$\eta$ down (%)	71.8	CIBSE SHR MAX	1.75

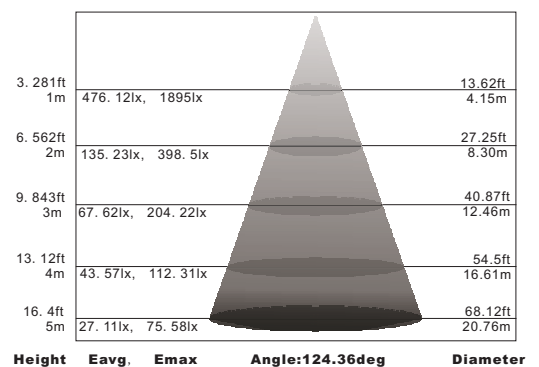


## AAI Figure

With 90 degrees Lampshade



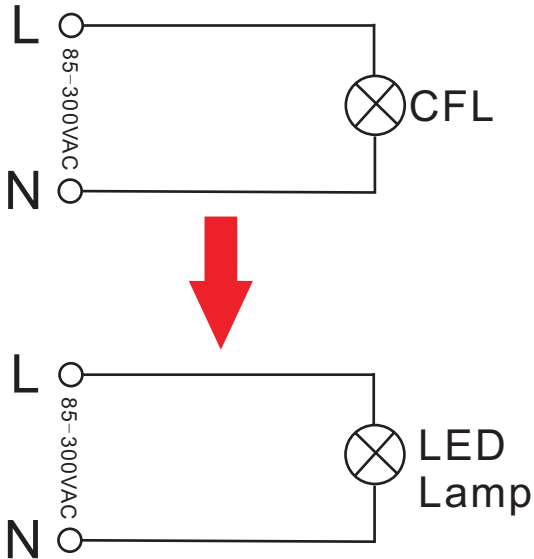
With 120 degrees Lampshade



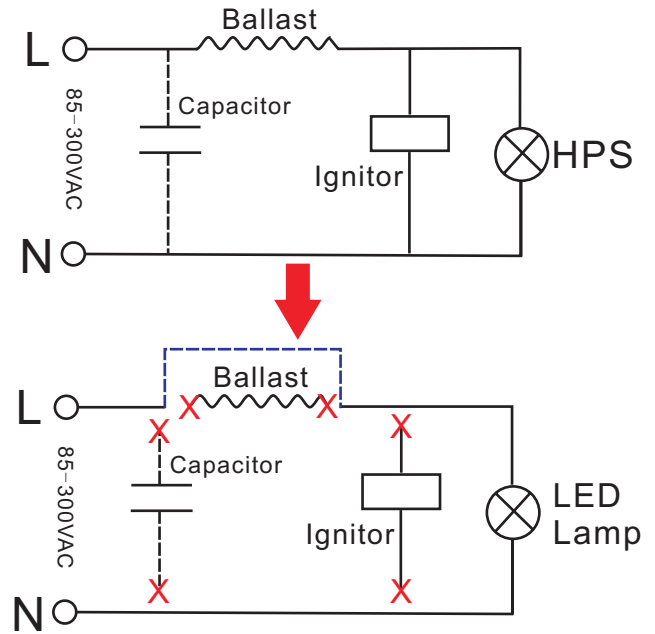


## Installation

### Replace CFL



### Replace HPS

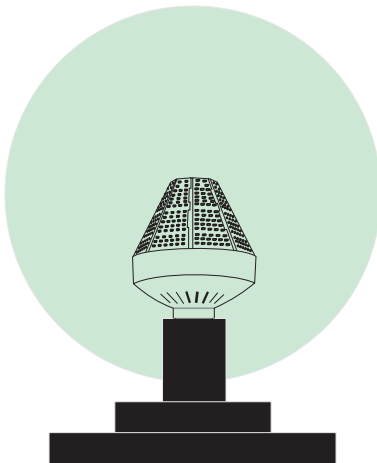


### Note:

- ✦ Don't take the LED lamp apart
- ✦ Recommend indoor use
- ✦ The LED lamp must work under the right voltage according to the specification
- ✦ **Not suitable for dimmers or electronic switches or remote controls**
- ✦ Application in enclosed fixtures may speed up lumen depreciation and shorten lamp life

### Cautions ①

When the products are used in the **enclosed fixtures**. Pay attention to the size of the confined space and keep well ventilated. Ensure the lamp has enough space for heat dissipation which ensures lumen maintenance and extends its working life.



When 60W led stubby light is used in confined space, the fixture's diameter must be more than **26"**



# 360° LED Torch Lamp 60W

Item No : CCT-TLHD-60W



## Product Features

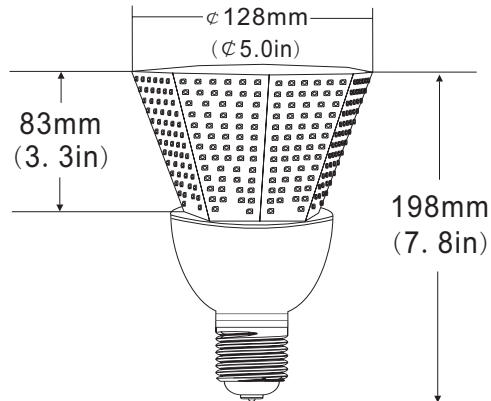
- ◆ Beam angle : 360 degrees
- ◆ Active air exchanging cooling system in order to speed up heat dissipation
- ◆ Direct replacement for CFL with screwed lamp base
- ◆ Take full advantage of the luminous efficiency
- ◆ No RF interference, No IR/UV radiation ,no mercury pollution
- ◆ Wide colour availability in degrees Kelvin(K),2700-6700K
- ◆ Green, energy saving, long and reliable life of 50,000 hours
- ◆ Environment friendly ,energy saving (70~80%)
- ◆ Special circuit design, each LED work separately, avoiding the single broken LED influence problem

## Technical Specifications

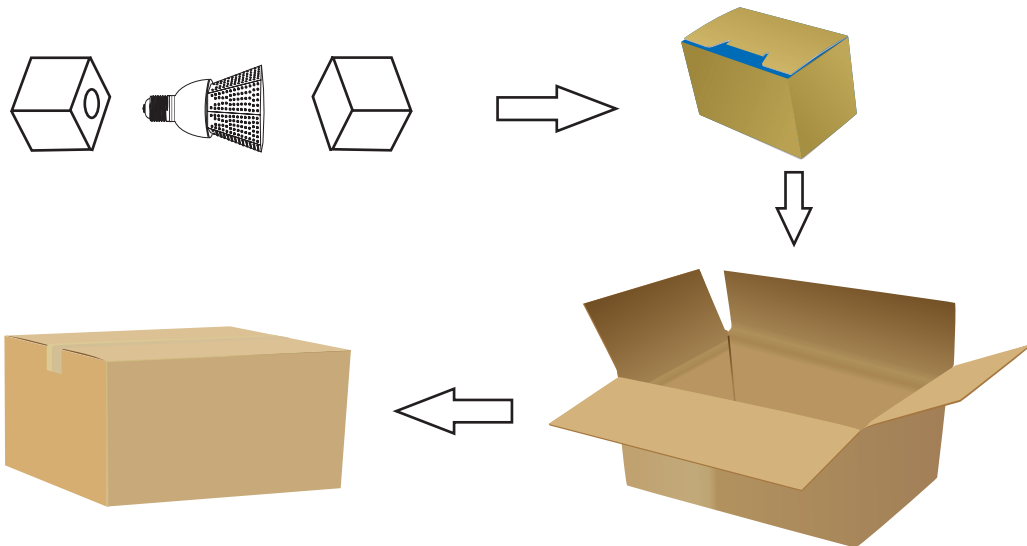
Rated Power	60W
Input Voltage	100-277VAC / 50-60Hz
Certificate	ETL CE ROHS
PF	>0.95
Power Efficiency	>88%
Beam Angle	360°
Light Source/Count	520pcs 2835 SMD LED / Epistar Chip 10*30mil
Lamp Base	E40 / E39 / E27 / E26
LED Luminous Efficiency	>110lm/w
Luminous Flux	6900 lm ±10%
Color Temperature Standard	Warm White: 2,700 ~3,500 K
	Natural White: 4,000~5,000 K
	Cool White: 5,500~6,700K
Color Rendering Index(CRI)	Ra > 80
LED Emitter Life	50,000hours
Replacement	CFL 180W
Applications	Indoor lighting; houses、offices、hotels、custom applications ,etc...
Operating Temperature	-40 ~ 45°C
Dimensions	∅ 128*198mm
N. W	0.36kg
Packing	1pc/Box, 12pcs/Carton
Packing Size (L*W*H)	16 * 16 * 20 cm / 50 * 46 * 34 cm



## Mechanical Specification



## Package



Packaging unit	Dimensions (L * W * H)	Gross weight	Volume weight
1pc / Box	160*160*200mm	0.7kg	1.1kg
12pcs / Carton	500*460*340mm	9.8kg	15.7kg

## Application



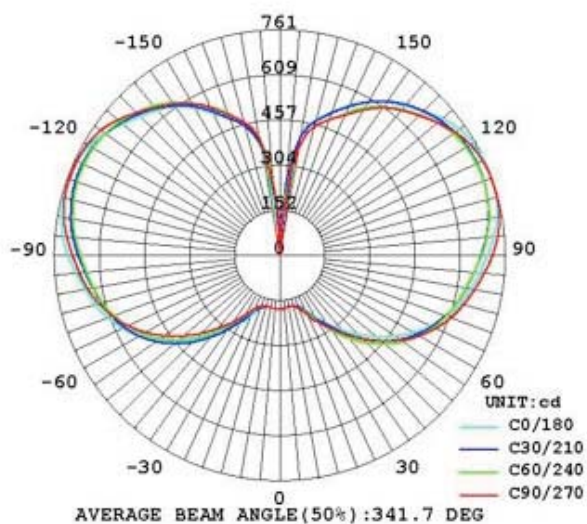




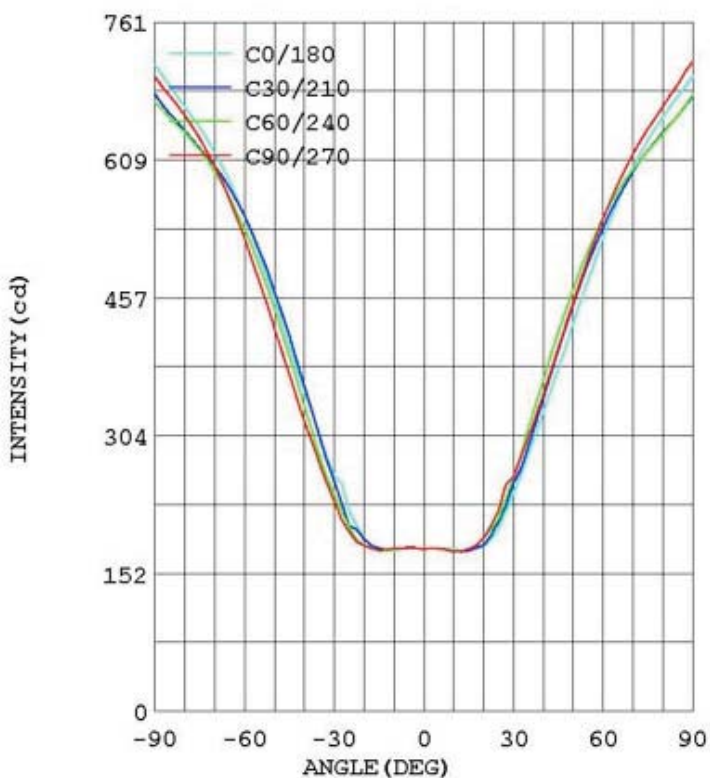
## Luminaire Photometric Test Report

DATA OF LAMP		Imax(cd)	761.0	S/MH (C0/180)	2.97
MODEL		EFFICIENCY(%)	100.0	S/MH (C90/270)	2.86
NOMINAL POWER(W)	60	TOTAL FLUX(lm)	7290.8	Voltage(V)	214.8
RATED VOLTAGE(V)	214	EFFICIENCY(lm/W)	122.7	Current(A)	0.295
NOMINAL FLUX(lm)	7290.9	$\eta$ up(%)	58.1	Power (W)	59.44
LAMPS QUANTITY	1	$\eta$ down(%)	41.9	Power Factor(PF)	0.936
TEST VOLTAGE (V)	214.9	Effective Flux(lm)	7290.6	EEL	0.111

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



## Environment

Body Temperature



Ta=25°C

Tc. Max: 60°C

Working Temp.	-20 ~ 45°C
Working Humidity	<80% RH, (non-condensing)
Storage Temp.,Humidity	-40 ~ 55°C, <90% RH

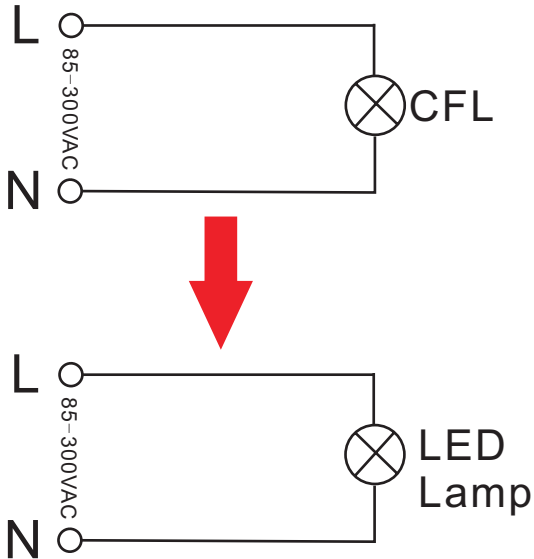
**Cautions:** No unventilated application

✦ Application in enclosed fixtures may speed up lumen depreciation and shorten lamp life. ①

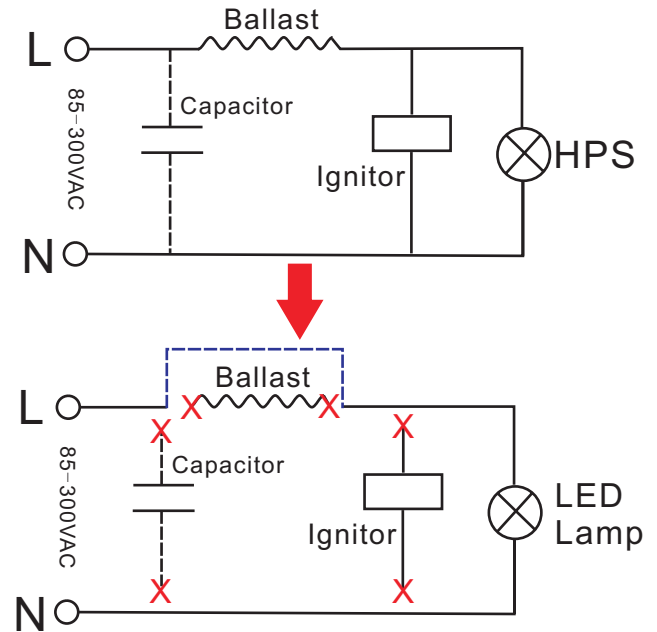


## Installation

### Replace CFL



### Replace HPS

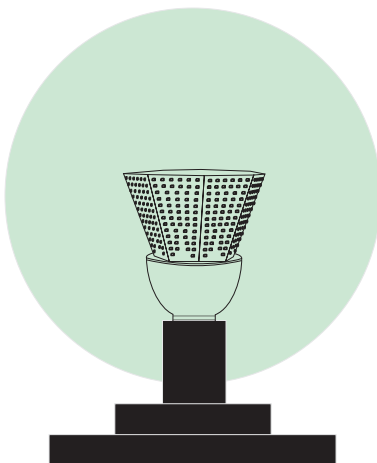


### Note:

- ✦ Don't take the LED lamp apart
- ✦ Recommend indoor use
- ✦ The LED lamp must work under the right voltage according to the specification
- ✦ **Not suitable for dimmers or electronic switches or remote controls**
- ✦ Application in enclosed fixtures may speed up lumen depreciation and shorten lamp life

### Cautions ①

When the products are used in the **enclosed fixtures**. Pay attention to the size of the confined space and keep well ventilated. Ensure the lamp has enough space for heat dissipation which ensures lumen maintenance and extends its working life.



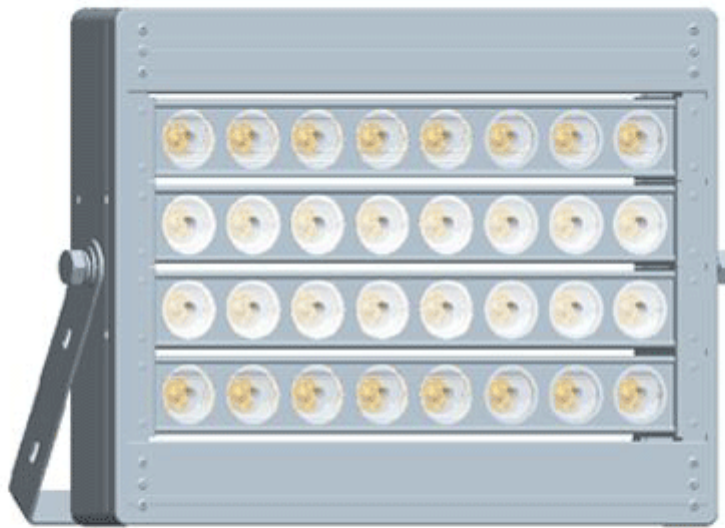
When 60W led torch light is used in confined space, the fixture's diameter must be more than **26"**

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email: gerry@cct-inc.com

**CCT-FXN200**

**CCT-FXN200-HI**



CE RoHS

V 1.3

## IP66 200 watt Flood Light

### Feature:

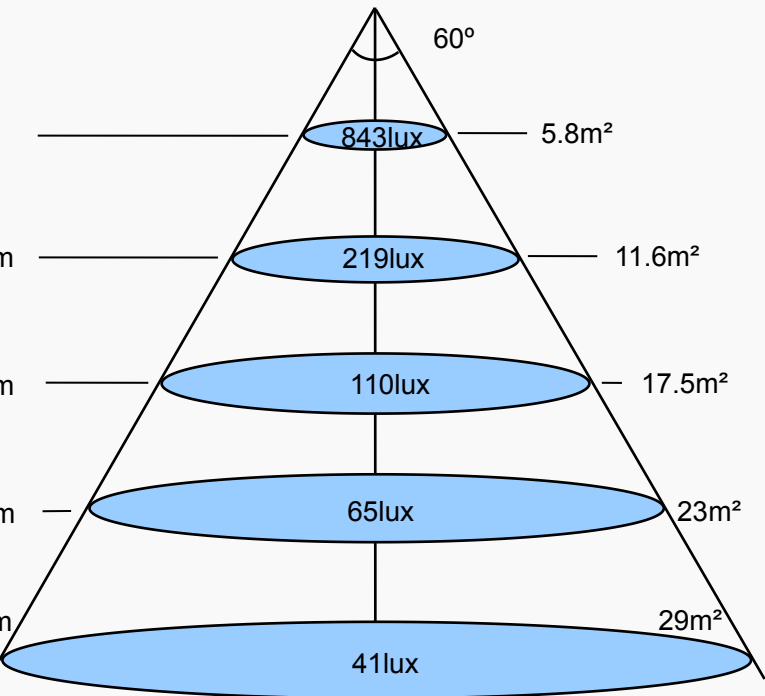
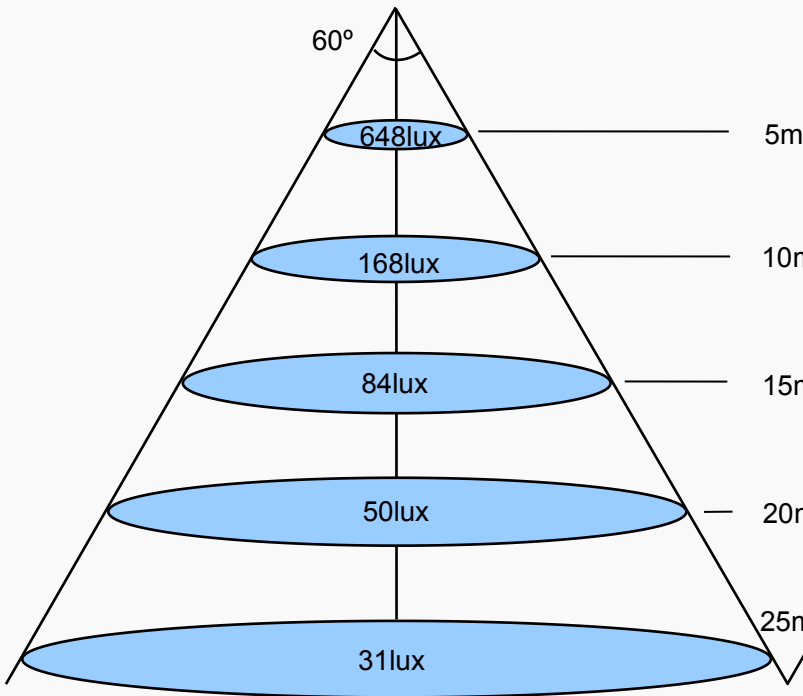
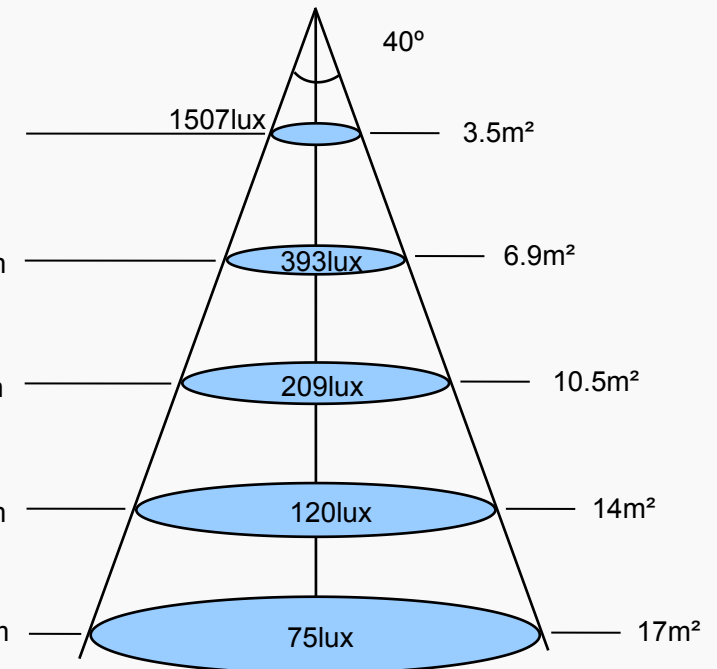
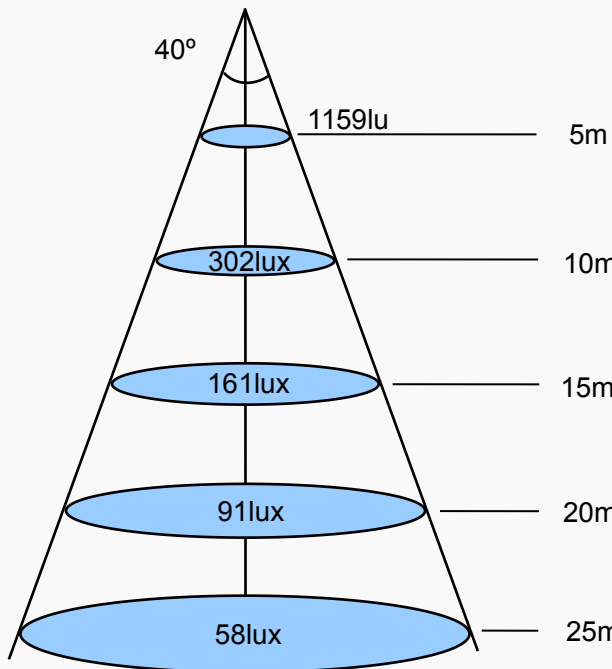
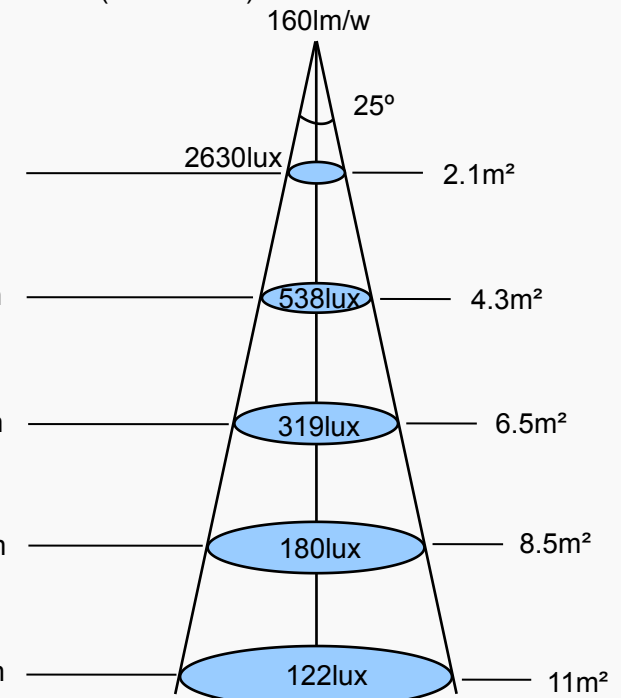
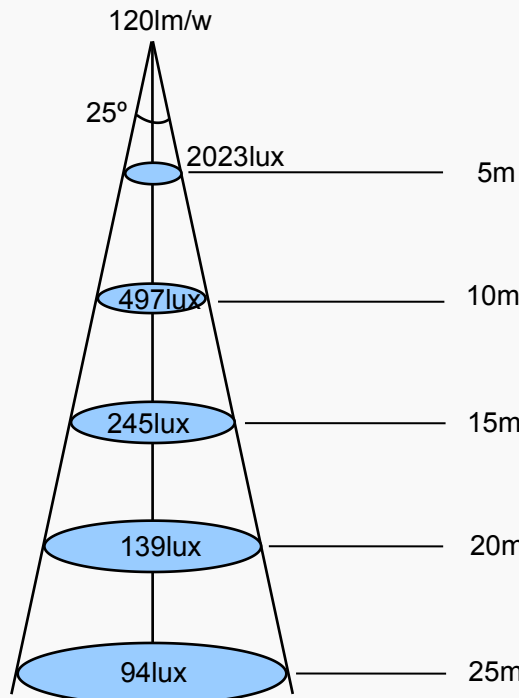
- \* Brightest Flood Light in the world!
- \* Premium Precise Optical Lens System, 2-10 times brighter than conventional light
- \* Modular Design, Easier Maintenance
- \* Direct Heat Path Technology, 2-5 times better stability
- \* Anti-Glare System, suitable for any occasions
- \* IP66, underwater use support
- \* 5 Years Warranty!

### TECHNICAL PARAMETER

ITEM	IP66 Waterproof LED Lamp	
ITEM NO	CCT-FXN200	CCT-FXN200-Hi
Power	200W	200W
Light Source	Epistar /Brigelux Power /Cree Chip	Epistar /Brigelux Power Chip
Input Voltage	90-265VAC 50-60HZ	90-265VAC 50-60HZ
Power Factor (PF)	≥0.95	≥0.95
Power Efficiency	≥90%	≥90%
Color Index(CRI)	Ra>65	Ra>65
Light Angle	10°, 25°, 40°, 60°, 90°	25°, 40°, 60°, 90°
Color Temp:	2700-3500K 5000-6500K 6500-7500K	2700-3500K 5000-6500K 6500-7500K
LED Luminous Efficiency	120lm / Watt	160lm / Watt
Luminous Flux (Typ.)	24000lm	32000lm
Equal Flux (Typ.) *	48000lm	64000lm
Life Span	≥80000 hours	≥80000 hours
Work Temperature:	- 25 ° C ~ 55 ° C	- 25 ° C ~ 55 ° C
Storage Temperature:	- 40 ° C ~ 80 ° C	- 40 ° C ~ 80 ° C
Working Humidity	10 % ~ 90 % RH	10 % ~ 90 % RH
IP Rating	IP66	IP66
Light Attenuation(80000h)	30%	30%
Light Body Size (LxWxH)	468.8x393.4x75mm	468.8x393.4x75mm
Lamp Net Weight(KG)	10	10
Package Size:	569x495x194mm	569x495x194mm
Total Weight(KG)	13	13



# Luminance Indication(Center Lux)



# 1000W LED Flood Light Test Report

**Test Item: 1000Watt Flood Light**

**Test Company: Independent Laboratory Testing**

**Test Date: From Feb.1st 2011 to Oct 11st 2011**

## 1. Life Span Test Project

### Test Method:

Light Fixture maintains bright in constant temperature and humidity environment, temperature range should be within 45+/-2 degree, relative humidity is no more than 60% ,wind speed is less than 0.05m/s. Light Fixture is driven of the constant temperature and humidity environment, adjust the ambient temperature to 25+/-2 degree. The measure it with power

### Test data:

Hour(H)	Light Flux(LM)	DC Voltage	DC Current(A)	Preservation Rate of light
1	110000lm	31.33	35	100%
1000	107800lm	31.35	35	98%
2000	107360lm	31.30	35	97.6%
3000	106150lm	31.35	35	96.5%
5000	104500lm	31.28	35	95%
6000	103730lm	31.37	35	94.3%
6500	102850lm	31.37	35	93.5%

### Estimated life Span:

According To energy star requirements for LED life Spain, light saving rate is 93.50% for 6500hours and life span is greater than 80000 hours

### Failure Determined:

When retention rate is less than 70%, we regard it as led failure. The Visible brightness is observed obviously down, central color temperature shifts seriously, the basic lighting requirements for customers or Users can not be satisfied, or it has bad effect to the eyes of users. Failure time: generally 100000hours.

## 2. Opto-electric test project:

### Lamp Parameters:

Input Power AC(W)	Rated	1050
	Measured	1049
Power Factor	Rated	0.95
	Measured	0.95
Input Frequency (HZ)	Rated	50~60
	Measured	50
Color Temperature (K)	Rated	2800-7500
	Measured	6750
Luminous Flux (lm)	Rated	110000
	Measured	115400
Input Voltage (V)	Rated	30-34
	Measured	31.3
Input Current (A)	Rated	35
	Measured	35
Luminary Efficiency (lm/W)	Rated	110
	Measured	115
Color Index (RA)	Rated	65
	Measured	70.5

### Test Instruction

1. The Luminous surface of fixture is horizontal
2. LED Driver is inbuilt type.
3. Light Source: □□□-100□50CW-A11 10pcs
4. Keep the light on for 2 hours when measured; write down the numbers after the light source is stable
5. Test Environment temperature: 25+/-1C, Humidity: 61+/-10% RH
6. Photometric Test Condition: Use The Sphere- Radiometer to test optical and color Parameters: Integrating sphere diameter-1.5, inner ball coating is barium sulfate, reflection rate 90-95% . Measuring method-4%,the spectrum range is 380-790nm
7. Uncertainty explanation: under impact from test environment and temperature, the system inaccuracy of testing instruments will further impact the test results

**Referred test standard:** IES LM-78:2008, IES LM-79:2008, IES LM-80: 2008,  
US Energy star, LED TEST(Version 2),CIE 127:2007,ISBN 978 3 901 906 589

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email: gerry@cct-inc.com

**CCT-FXN300**

**CCT-FXN300-HI**



V 1.3



## IP66 300 watt Flood Light

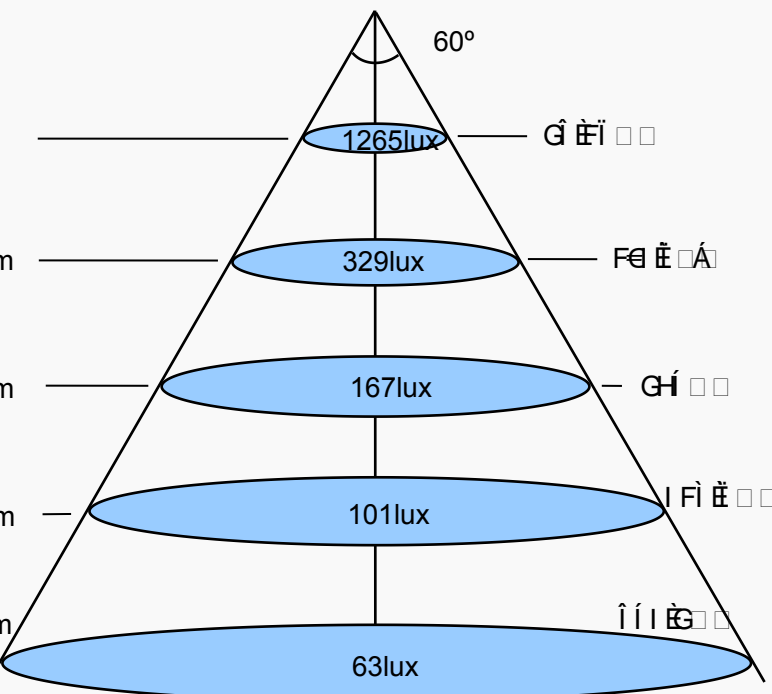
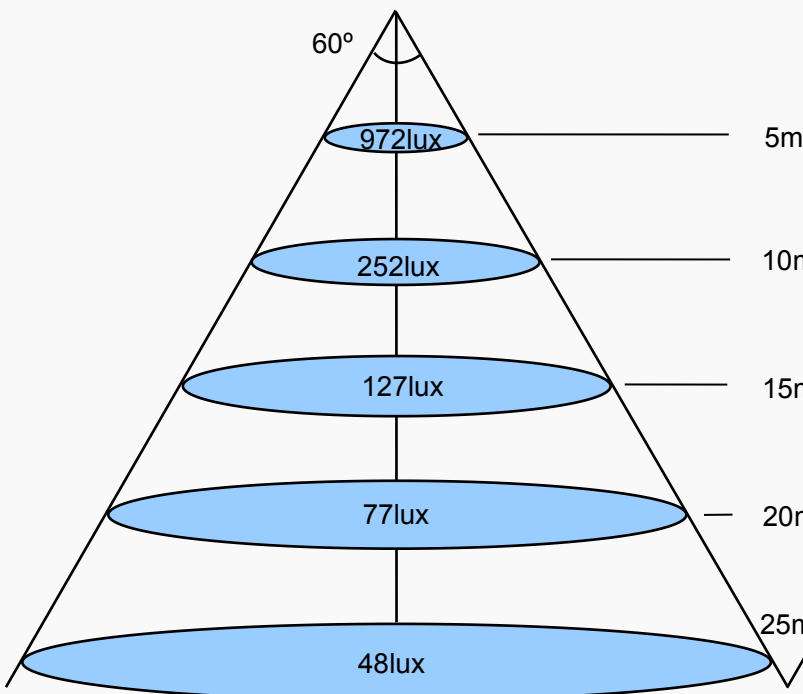
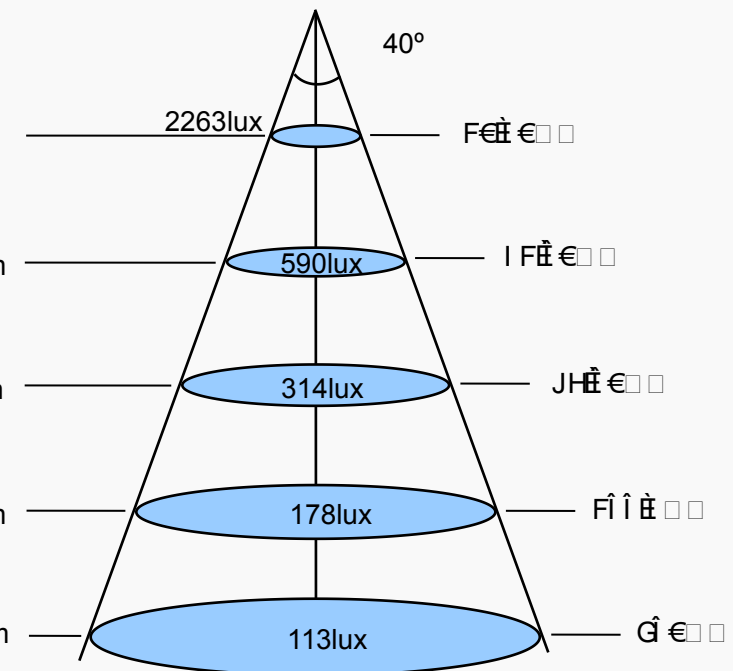
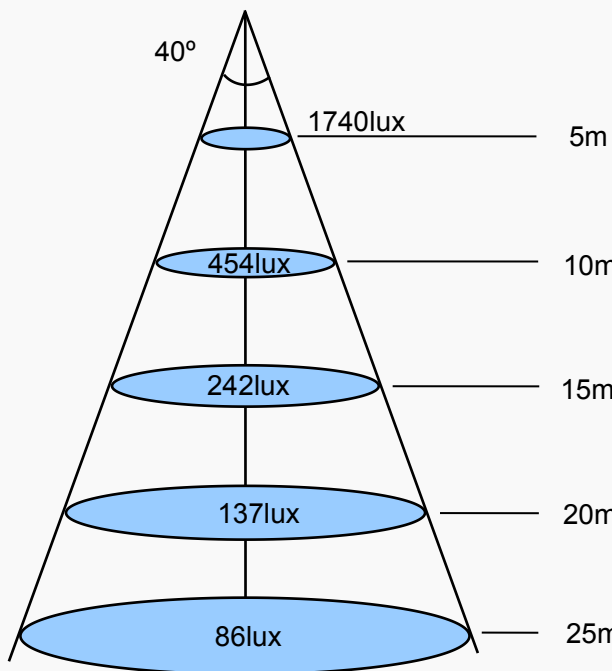
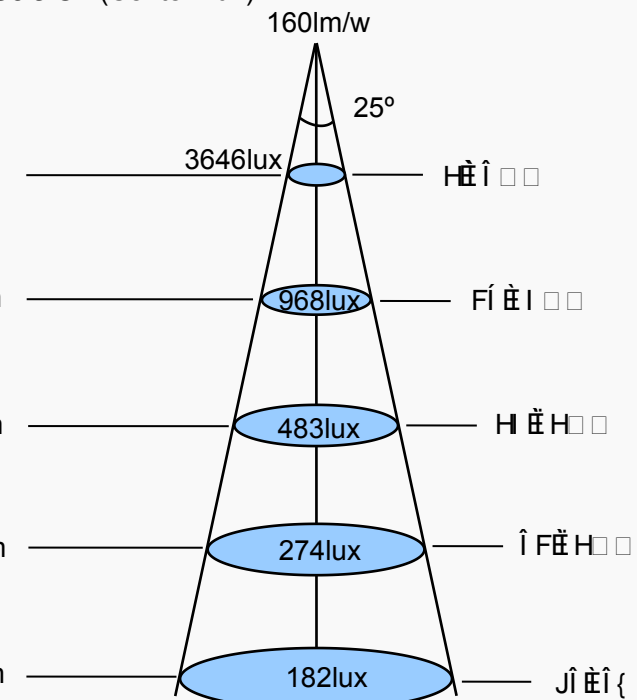
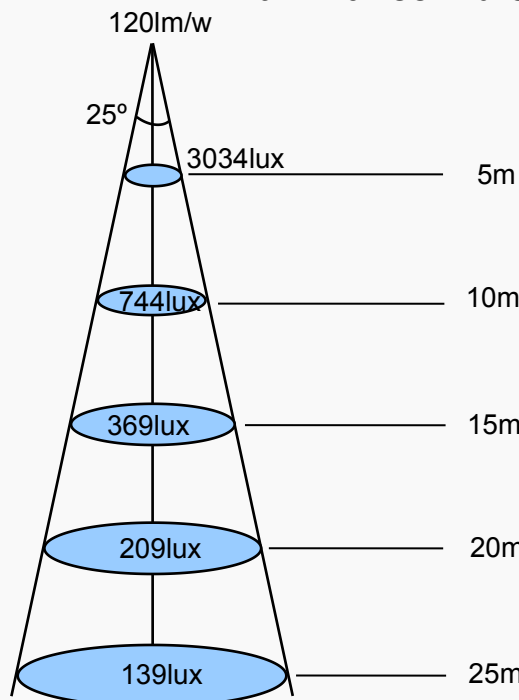
### Feature:

- \* Brightest Flood Light in the world!
- \* Premium Precise Optical Lens System, 2-10 times brighter than conventional light
- \* Modular Design, Easier Maintenance
- \* Direct Heat Path Technology, 2-5 times better stability
- \* Anti-Glare System, suitable for any occasions
- \* IP66, underwater use support
- \* 5 Years Warranty!

### TECHNICAL PARAMETER

ITEM	IP66 Waterproof LED Lamp	
ITEM NO	CCT-FXN300	CCT-FXN300-Hi
Power	300W	300W
Light Source	Epistar /Brigelux Power /Cree Chip	Epistar /Brigelux Power Chip
Input Voltage	90-265VAC 50-60HZ	90-265VAC 50-60HZ
Power Factor (PF)	≥0.95	≥0.95
Power Efficiency	≥90%	≥90%
Color Index(CRI)	Ra>65	Ra>65
Light Angle	10°, 25°, 40°, 60°, 90°	25°, 40°, 60°, 90°
Color Temp:	2700-3500K 5000-6500K 6500-7500K	2700-3500K 5000-6500K 6500-7500K
LED Luminous Efficiency	120lm / Watt	160lm / Watt
Luminous Flux (Typ.)	36000lm	48000lm
Equal Flux (Typ.) *	72000lm	96000lm
Life Span	≥80000 hours	≥80000 hours
Work Temperature:	- 25 ° C ~ 55 ° C	- 25 ° C ~ 55 ° C
Storage Temperature:	- 40 ° C ~ 80 ° C	- 40 ° C ~ 80 ° C
Working Humidity	10 % ~ 90 % RH	10 % ~ 90 % RH
IP Rating	IP66	IP66
Light Attenuation(80000h)	30%	30%
Light Body Size (LxWxH)	468.8x523.4x75mm	468.8x523.4x75mm
Lamp Net Weight(KG)	13	13
Package Size:	593x635x194mm	593x635x194mm
Total Weight(KG)	16	16

# Luminance Indication(Center Lux)



# 1000W LED Flood Light Test Report

**Test Item: 1000Watt Flood Light**

**Test Company: Independent Laboratory Testing**

**Test Date: From Feb.1st 2011 to Oct 11st 2011**

## 1. Life Span Test Project

### Test Method:

Light Fixture maintains bright in constant temperature and humidity environment, temperature range should be within 45+/-2 degree, relative humidity is no more than 60% ,wind speed is less than 0.05m/s. Light Fixture is driven of the constant temperature and humidity environment, adjust the ambient temperature to 25+/-2 degree. The measure it with power

### Test data:

Hour(H)	Light Flux(LM)	DC Voltage	DC Current(A)	Preservation Rate of light
1	110000lm	31.33	35	100%
1000	107800lm	31.35	35	98%
2000	107360lm	31.30	35	97.6%
3000	106150lm	31.35	35	96.5%
5000	104500lm	31.28	35	95%
6000	103730lm	31.37	35	94.3%
6500	102850lm	31.37	35	93.5%

### Estimated life Span:

According To energy star requirements for LED life Spain, light saving rate is 93.50% for 6500hours and life span is greater than 80000 hours

### Failure Determined:

When retention rate is less than 70%, we regard it as led failure. The Visible brightness is observed obviously down, central color temperature shifts seriously, the basic lighting requirements for customers or Users can not be satisfied, or it has bad effect to the eyes of users. Failure time: generally 100000hours.

## 2. Opto-electric test project:

### Lamp Parameters:

Input Power AC(W)	Rated	1050
	Measured	1049
Power Factor	Rated	0.95
	Measured	0.95
Input Frequency (HZ)	Rated	50~60
	Measured	50
Color Temperature (K)	Rated	2800-7500
	Measured	6750
Luminous Flux (lm)	Rated	110000
	Measured	115400
Input Voltage (V)	Rated	30-34
	Measured	31.3
Input Current (A)	Rated	35
	Measured	35
Luminary Efficiency (lm/W)	Rated	110
	Measured	115
Color Index (RA)	Rated	65
	Measured	70.5

### Test Instruction

1. The Luminous surface of fixture is horizontal
2. LED Driver is inbuilt type.
3. Light Source: □□□□100□□0□□ □□11□□10pcs
4. Keep the light on for 2 hours when measured; write down the numbers after the light source is stable
5. Test Environment temperature: 25+/-1C, Humidity: 61+/-10% RH
6. Photometric Test Condition: Use The Sphere- Radiometer to test optical and color Parameters: Integrating sphere diameter-1.5, inner ball coating is barium sulfate, reflection rate 90-95% . Measuring method-4%, the spectrum range is 380-790nm
7. Uncertainty explanation: under impact from test environment and temperature, the system inaccuracy of testing instruments will further impact the test results

**Referred test standard:** IES LM-78:2008, IES LM-79:2008, IES LM-80: 2008,  
US Energy star, LED TEST(Version 2), CIE 127:2007, ISBN 978 3 901 906 589





# LED Wall Pack Lamp 18W

Item No. : CCT-MWP-018



## Product Features

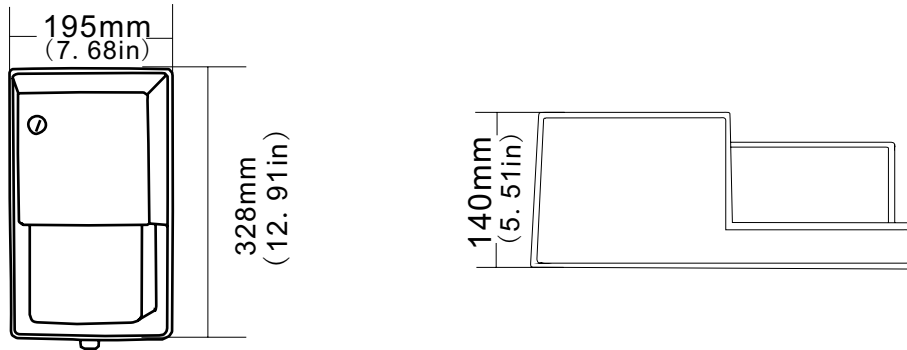
- ◆ Beam angle : 120 degrees
- ◆ Aluminum fins heat sinks is good for heat dissipation
- ◆ It's major to replace the conventiona wall pack light
- ◆ Green, energy saving, long and reliable life of 50,000 hours
- ◆ No RF interference, No IR/UV radiation ,no mercury pollution
- ◆ Wide colour availability in degrees Kelvin(K),2700-6700K
- ◆ Streamline exterior design, beautiful appearance
- ◆ Environment friendly ,energy saving (70~80%)
- ◆ Special circuit design, each LED work separately, avoiding the single broken LED influence problem

## Technical Specifications

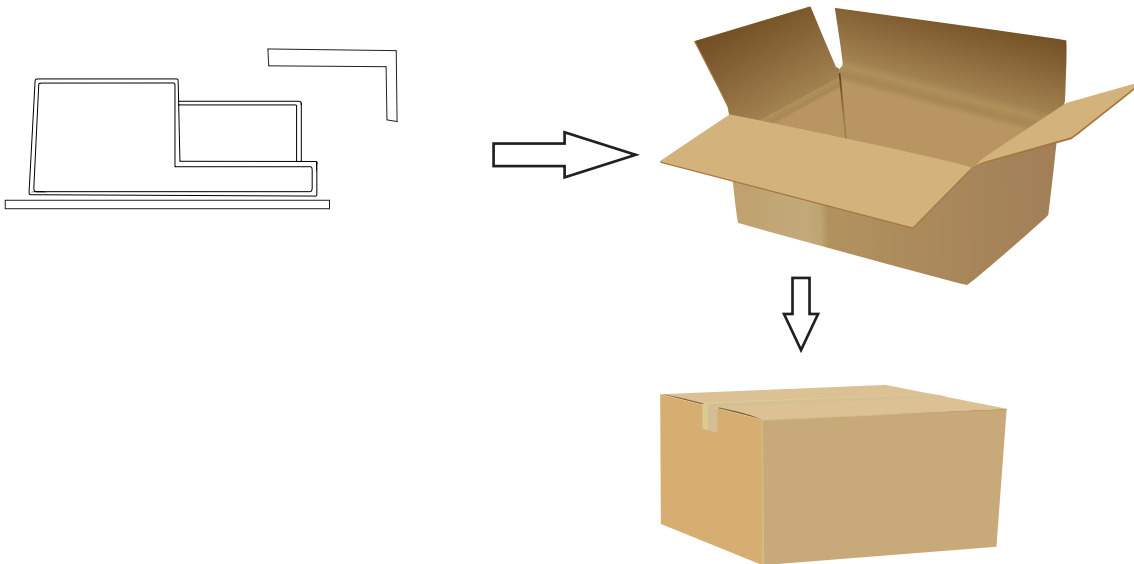
Rated Power	18W
Input Voltage	100-265VAC / 50-60Hz
Certificate	CE ROHS
PF	>0.95
Power Efficiency	>88%
Beam Angle	120°
Light Source/Count	70pcs 5630 SMD LED / Samsung LED
Lamp Base	2 pin wires
LED Luminous Efficiency	>90lm/w
Luminous Flux	1600 lm ±10%
Color Temperature Standard	Warm White: 2,700 ~3,500 K
	Natural White: 4,000~5,000 K
	Cool White: 5,500~6,700K
Color Rendering Index(CRI)	Ra>80
LED Emitter Life	50,000hours
Replacement	HPS 60W
Applications	Lighting building facades, loading areas,garages,custom applications ,etc ...
Operating Temperature	- 40 ~ 45°C
The Dimensions	328*195*140mm(L*W*H)
N. W	3kg
Packing	1pc/Box
Packing Size (L*W*H)	400 * 220 * 165 mm



## Mechanical Specification



## Package



Packaging unit	Dimensions (L * W * H)	Volume weight
1pc / Box	400*220*165mm	4.25kg

## Application



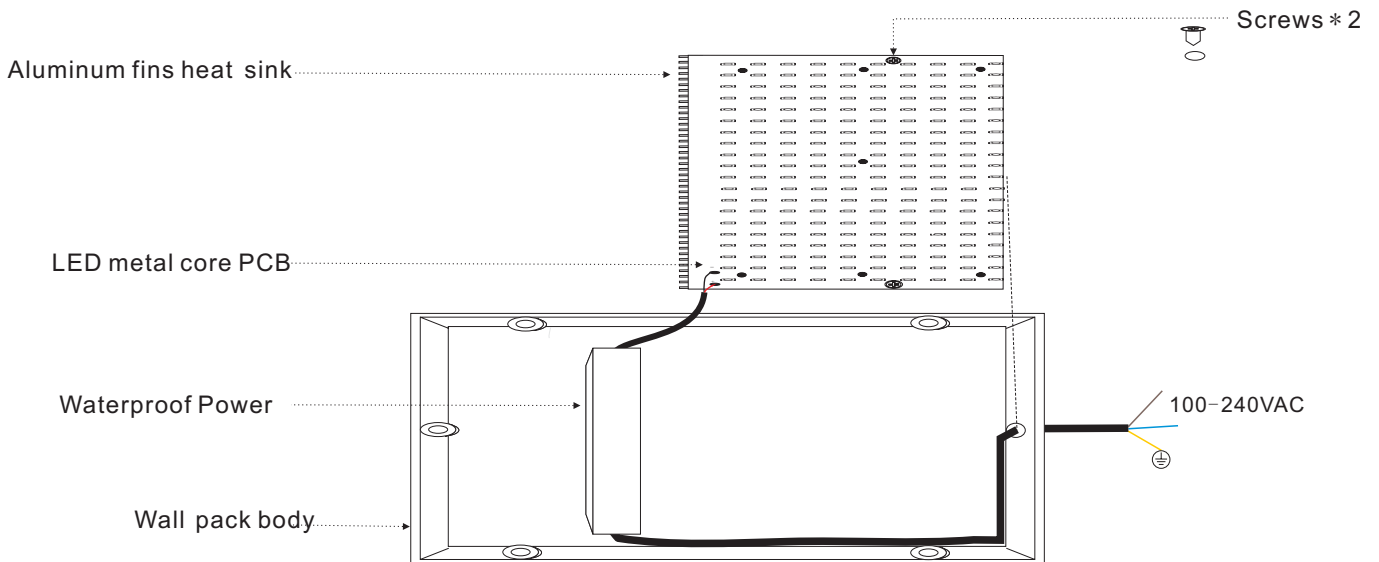


## LED Retrofit for Wall Pack Fixtures

- ◆ How the fixture looks after the installation of the LED retrofit plate into a canopy fixture
- ◆ No wall pack cutting - Fast Installation, No Leaks
- ◆ It has now been converted from a high energy consuming HID system to an energy saving LED, providing a green solution and allowing you to recycle and retrofit your existing fixture.
- ◆ It's as simple as 1, 2, 3. Ready to go.....



## Typical Canopy Light Retrofit



## Environment

Body Temperature



Ta=25°C

Tc. Max: 58°C

Working Temp.	-20 ~ 45°C
Working Humidity	<80% RH, (non-condensing)
Storage Temp., Humidity	-40 ~ 55°C, <90% RH

## Cautions: No unventilated application

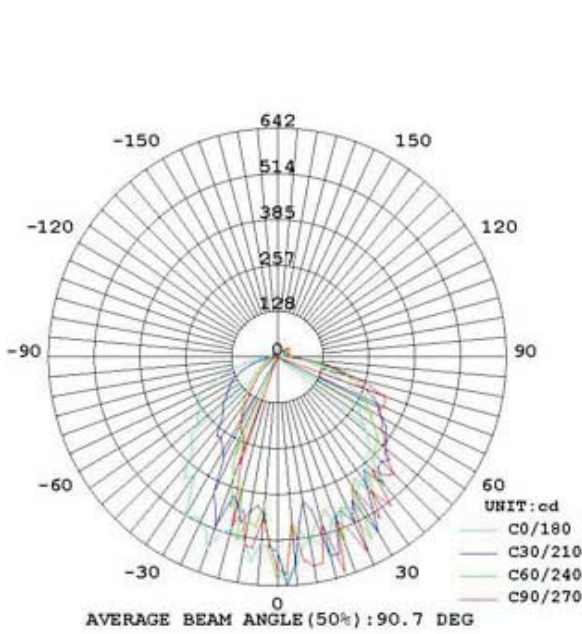
✦ Application in enclosed fixtures may speed up lumen depreciation and shorten lamp life. ①



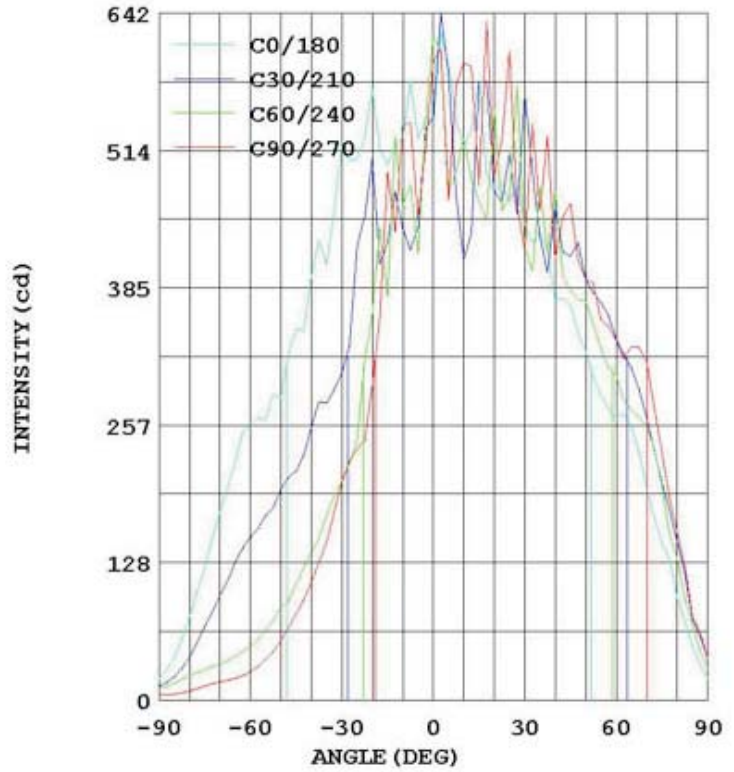
## Luminaire Photometric Test Report

DATA OF LAMP		Imax (cd)	641.8	S/MH (C0/180)	1.28
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.65
NOMINAL POWER (W)	16	TOTAL FLUX (lm)	1516.5	Voltage (V)	110.5
RATED VOLTAGE (V)	110	EFFICIENCY (lm/W)	90.6	Current (A)	0.152
NOMINAL FLUX (lm)	1516.5	$\eta$ up (%)	6.7	Power (W)	16.73
LAMPS QUANTITY	1	$\eta$ down (%)	93.3	Power Factor (PF)	0.993
TEST VOLTAGE (V)	110.6	Effective Flux (lm)	1369.1	EEL	0.166

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION

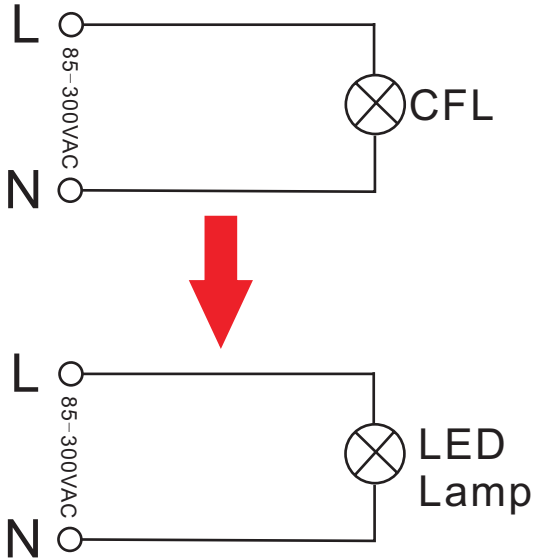




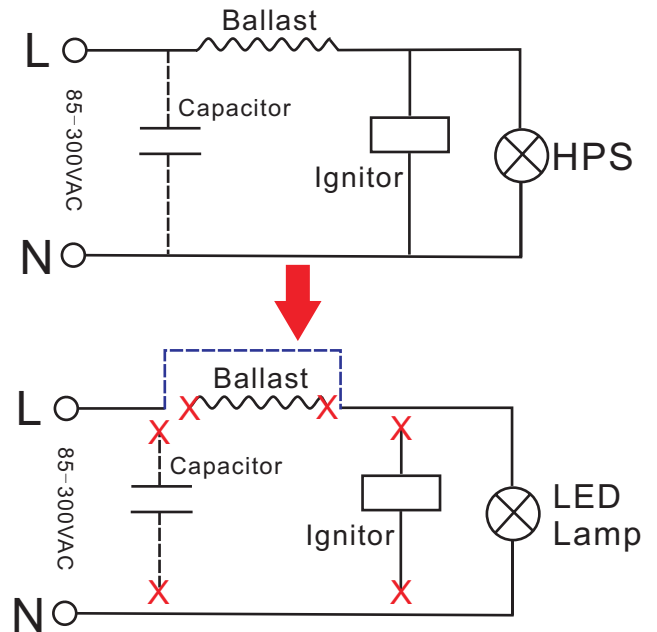


## Installation

### Replace CFL



### Replace HPS



The lamp will be directly fixed on the ceiling as shown below with the mounting hardware during installation.



### Note:

- ✦ Don't take the LED lamp apart
- ✦ The LED lamp must work under the right voltage according to the specification
- ✦ Not suitable for dimmers or electronic switches or remote controls



# LED Wall Pack Lamp 30W

Item No. : CCT-WP-030

## Product Features



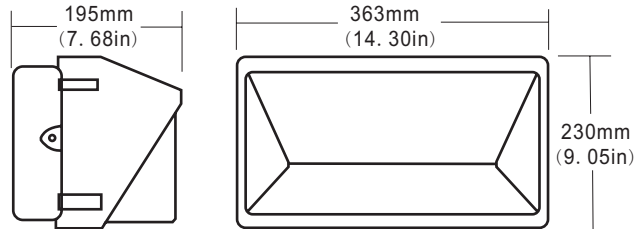
- ◆ Beam angle: 120 degrees
- ◆ Aluminum fins heat sinks is good for heat dissipation
- ◆ It's major to replace the conventiona wall pack light
- ◆ Green, energy saving, long and reliable life of 50,000 hours
- ◆ No RF interference, No IR/UV radiation ,no mercury pollution
- ◆ Wide colour availability in degrees Kelvin(K),2700-6700K
- ◆ Streamline exterior design, beautiful appearance
- ◆ Environment friendly ,energy saving (70~80%)
- ◆ Special circuit design, each LED work separately, avoiding the single broken LED influence problem

## Technical Specifications

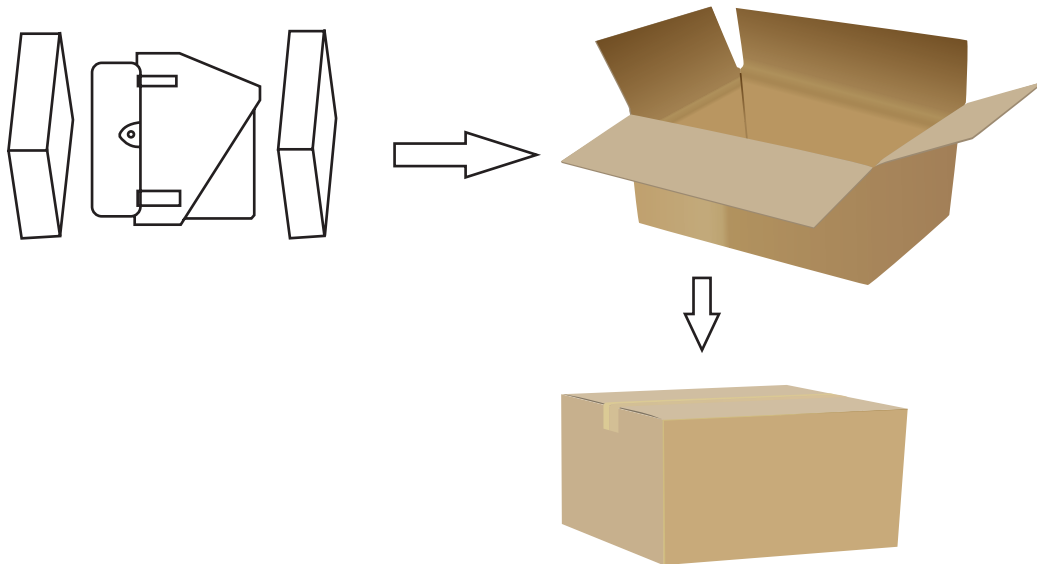
Rated Power	30W
Input Voltage	100-277VAC / 50-60Hz
Certificate	CE ROHS
PF	>0.95
Power Efficiency	>88%
Beam Angle	120°
Light Source/Count	110pcs 5630 SMD LED / Samsung LED
Lamp Base	2 pin wires
LED Luminous Efficiency	>90lm/w
Luminous Flux	2700 lm ±10%
Color Temperature Standard	Warm White: 2,700 ~3,500 K
	Natural White: 4,000~5,000 K
	Cool White: 5,500~6,700K
Color Rendering Index(CRI)	Ra>80
LED Emitter Life	50,000hours
Replacement	HPS 90W
Applications	Lighting building facades, loading areas,garages,custom applications ,etc ...
Operating Temperature	- 40 ~ 45°C
The Dimensions	363*230*195mm
N. W	4.25kg
Packing	1pc/Box
Packing Size (L*W*H)	410 * 270 * 230 cm



## Mechanical Specification



## Package



Packaging unit	Dimensions (L * W * H)	Volume weight
1pc / Box	410*270*230mm	7.5kg

## Application





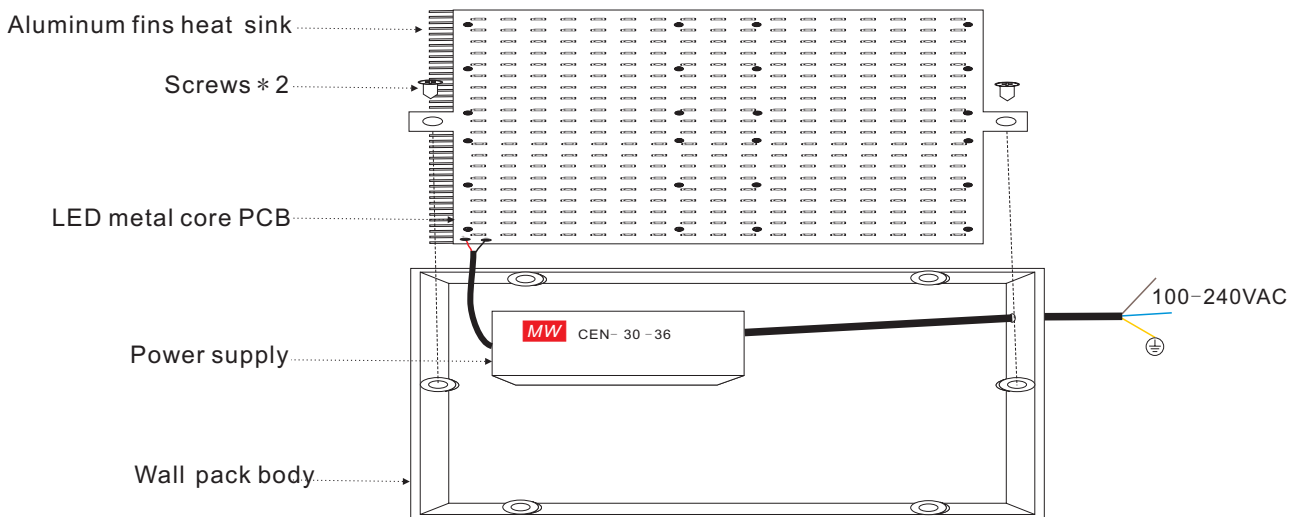


## LED RETROFIT FOR WALL PACK

- ◆ How the fixture looks after the installation of the LED retrofit plate into a canopy fixture
- ◆ No wall pack cutting - Fast Installation, No Leaks
- ◆ It has now been converted from a high energy consuming HID system to an energy saving LED, providing a green solution and allowing you to recycle and retrofit your existing fixture.
- ◆ It's as simple as 1, 2, 3. Ready to go.....



## Typical Canopy Light Retrofit



## Environment

Body Temperature



Ta=25°C

Tc. Max : 60°C

Working Temp.	-20 ~ 45°C
Working Humidity	<80% RH, (non-condensing)
Storage Temp., Humidity	-40 ~ 55°C, <90% RH

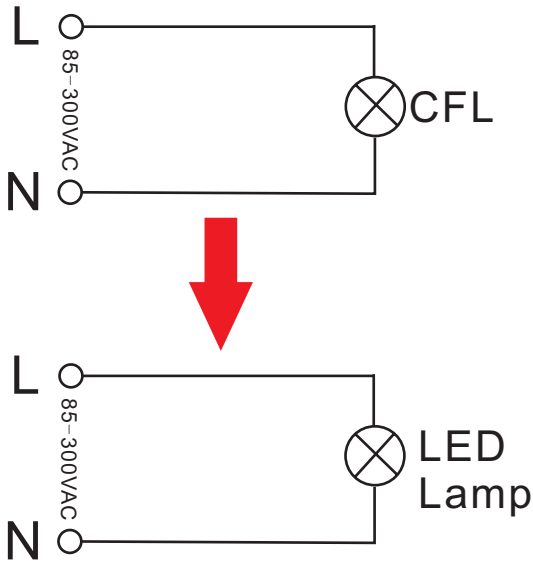
## Cautions: No unventilated application

- ✦ Application in enclosed fixtures may speed up lumen depreciation and shorten lamp life. ①

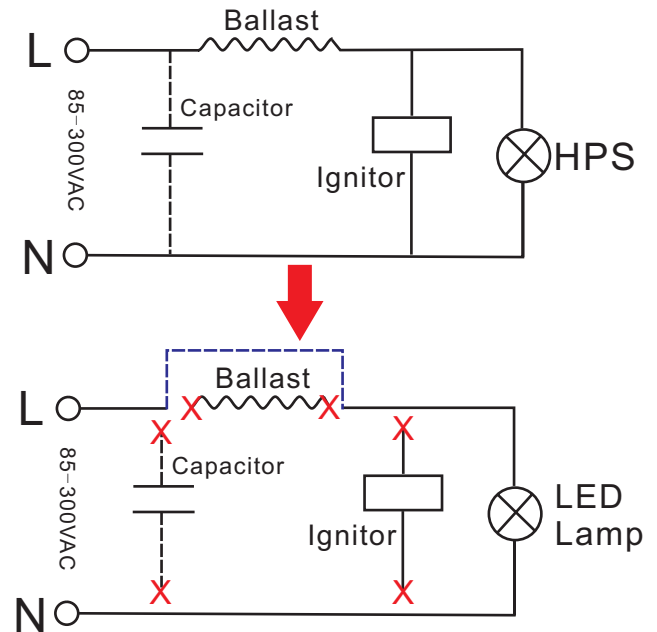


## Installation

### Replace CFL



### Replace HPS



The lamp will be directly fixed on the ceiling as shown below with the mounting hardware during installation.



### Note:

- ✦ Don't take the LED lamp apart
- ✦ The LED lamp must work under the right voltage according to the specification
- ✦ Not suitable for dimmers or electronic switches or remote controls



# LED Wall Pack Lamp G&Y

Item No.: CCT-MWP- ‡



## Product Features

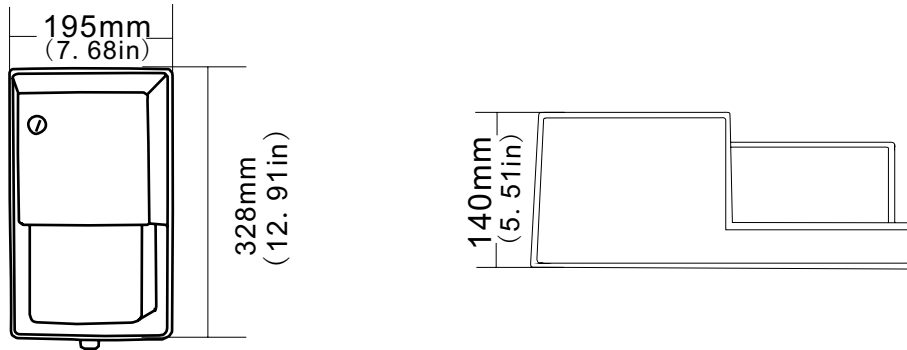
- ◆ Beam angle: 120 degrees
- ◆ Aluminum fins heat sinks is good for heat dissipation
- ◆ It's major to replace the conventiona wall pack light
- ◆ Green, energy saving, long and reliable life of 50,000 hours
- ◆ No RF interference, No IR/UV radiation ,no mercury pollution
- ◆ Wide colour availability in degrees Kelvin(K),2700-6700K
- ◆ Streamline exterior design, beautiful appearance
- ◆ Environment friendly ,energy saving (70~80%)
- ◆ Special circuit design, each LED work separately, avoiding the single broken LED influence problem

## Technical Specifications

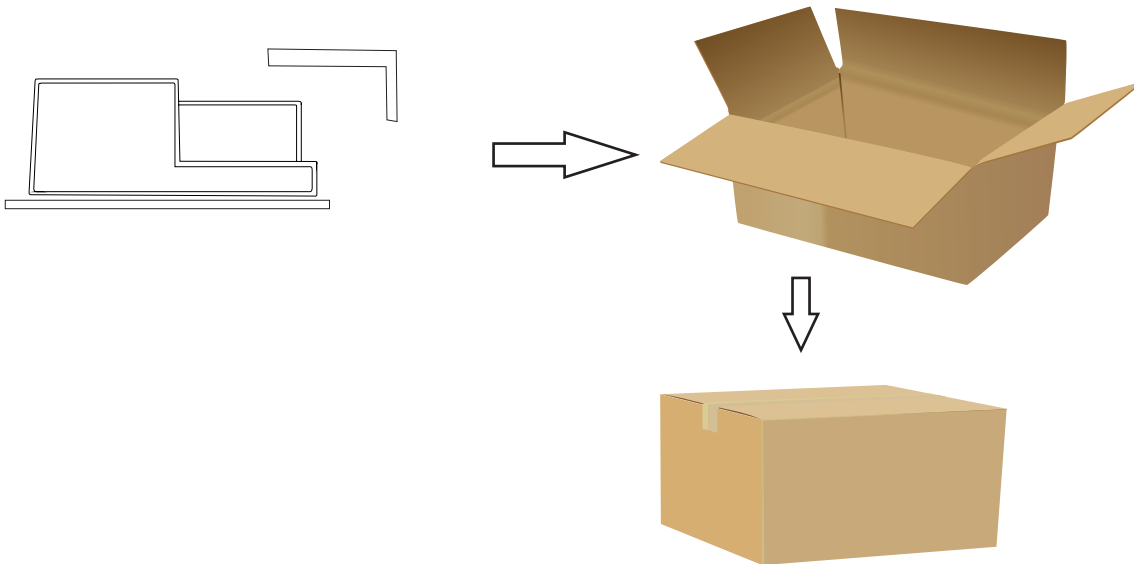
Rated Power	G&Y
Input Voltage	100-265VAC / 50-60Hz
Certificate	CE ROHS
PF	>0.95
Power Efficiency	>88%
Beam Angle	120°
Light Source/Count	70pcs 5630 SMD LED / Samsung LED
Lamp Base	2 pin wires
LED Luminous Efficiency	>100lm/w
Luminous Flux	2000 lm ±10%
Color Temperature Standard	Warm White: 2,700 ~3,500 K
	Natural White: 4,000~5,000 K
	Cool White: 5,500~6,700K
Color Rendering Index(CRI)	Ra>80
LED Emitter Life	50,000hours
Replacement	HPS 60W
Applications	Lighting building facades, loading areas,garages,custom applications ,etc ...
Operating Temperature	- 40 ~ 45°C
Dimensions	328*195*140mm(L*W*H)
N. W	3kg
Packing	1pc/Box
Packing Size (L*W*H)	400 * 220 * 165 mm



## Mechanical Specification



## Package



Packaging unit	Dimensions (L * W * H)	Volume weight
1pc / Box	400*220*165mm	4.25kg

## Application



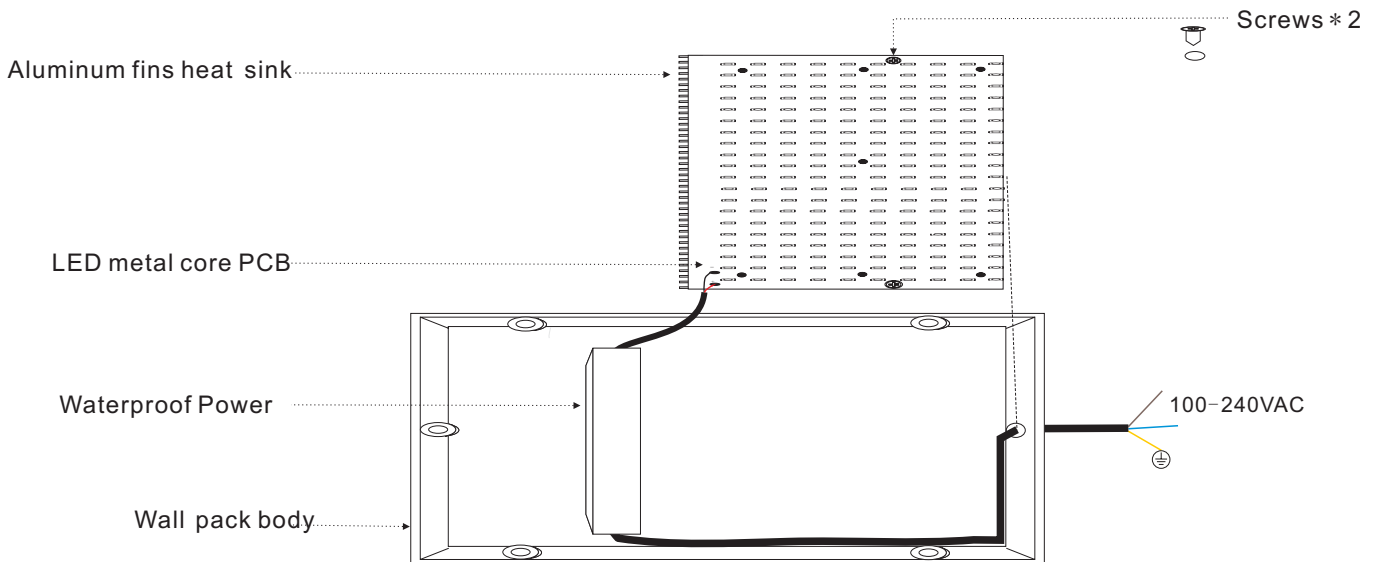


## LED Retrofit for Wall Pack Fixtures

- ◆ How the fixture looks after the installation of the LED retrofit plate into a canopy fixture
- ◆ No wall pack cutting - Fast Installation, No Leaks
- ◆ It has now been converted from a high energy consuming HID system to an energy saving LED, providing a green solution and allowing you to recycle and retrofit your existing fixture.
- ◆ It's as simple as 1, 2, 3. Ready to go.....



## Typical Canopy Light Retrofit



## Environment

Body Temperature



Ta=25°C

Tc. Max: 58°C

Working Temp.	-20 ~ 45°C
Working Humidity	<80% RH, (non-condensing)
Storage Temp., Humidity	-40 ~ 55°C, <90% RH

## Cautions: No unventilated application

✦ Application in enclosed fixtures may speed up lumen depreciation and shorten lamp life. ①

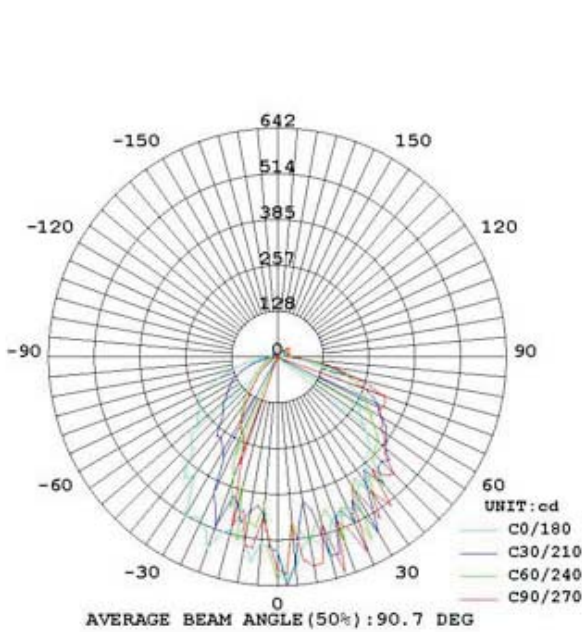




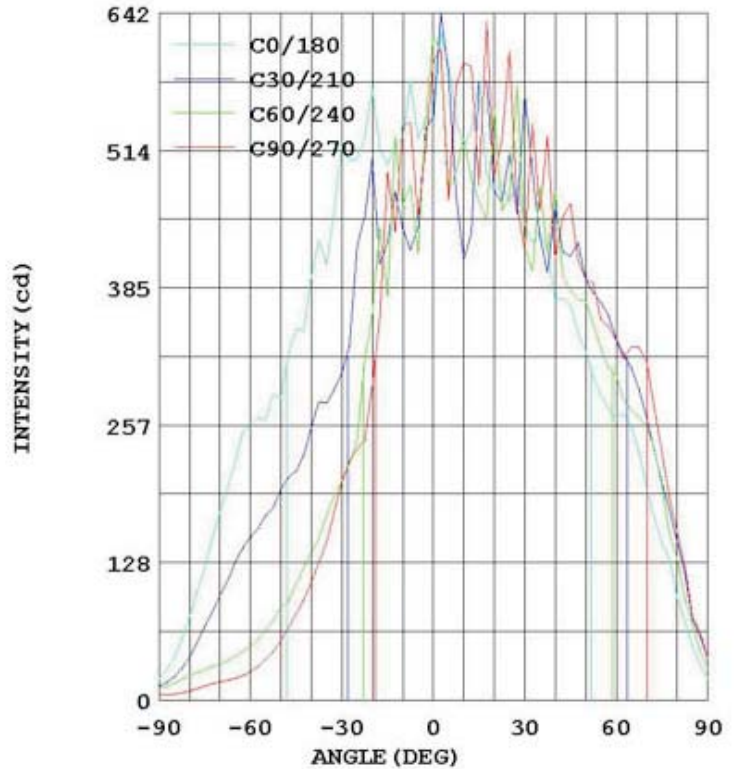
## Luminaire Photometric Test Report

DATA OF LAMP		Imax (cd)	641.8	S/MH (C0/180)	1.28
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.65
NOMINAL POWER (W)	16	TOTAL FLUX (lm)	1516.5	Voltage (V)	110.5
RATED VOLTAGE (V)	110	EFFICIENCY (lm/W)	90.6	Current (A)	0.152
NOMINAL FLUX (lm)	1516.5	$\eta$ up (%)	6.7	Power (W)	16.73
LAMPS QUANTITY	1	$\eta$ down (%)	93.3	Power Factor (PF)	0.993
TEST VOLTAGE (V)	110.6	Effective Flux (lm)	1369.1	EET	0.166

LUMINOUS INTENSITY DISTRIBUTION



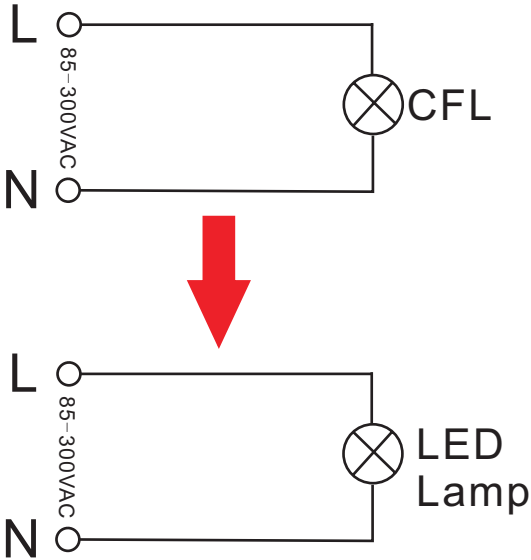
LUMINOUS INTENSITY DISTRIBUTION



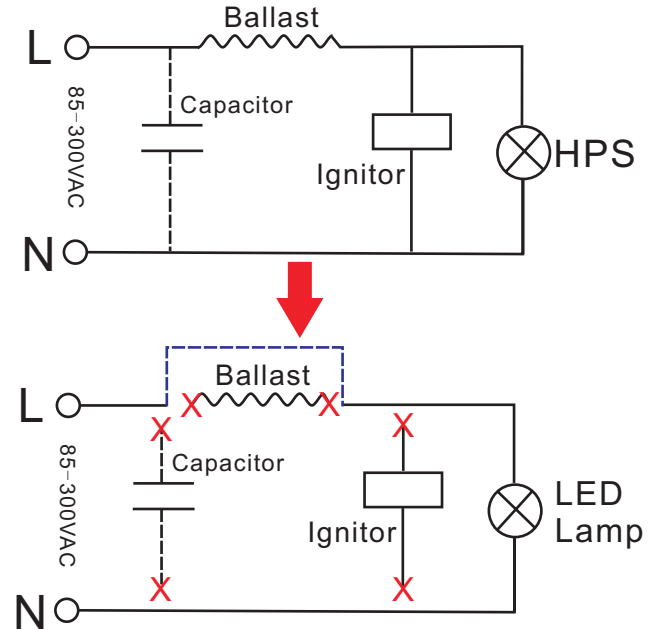


## Installation

### Replace CFL



### Replace HPS



The lamp will be directly fixed on the ceiling as shown below with the mounting hardware during installation.



### Note:

- ✧ Don't take the LED lamp apart
- ✧ The LED lamp must work under the right voltage according to the specification
- ✧ Not suitable for dimmers or electronic switches or remote controls