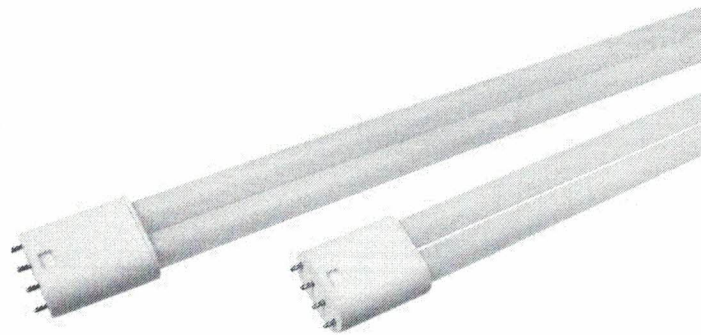


Estimate

PLL LED Lamp - Ballast Bypass



Features

- Ballast bypass (Type B)
- Target Replacement Lamps: FT40W/2G11
- Efficacy: 125 lm/w
- Energy efficient
- Cost-effective
- 5-year warranty

Product Compliance & Certifications:

- UL certified

Specifications

Base	2G11
Color	30K, 35K, 40K, 50K
Wattage	17W
Efficacy	125lm/w
Length	22"
Input Voltage	110V-277V
Operating Temp.	-4°F-120°F
Power Factor	0.9
Dimmable	Non-dimmable
Light Output	30K/35K: 2100lm 40K/50K: 2200lm
Rated Life	up to 50,000 hours
Warranty	5-year warranty

Description

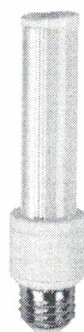
Aleddra's PLL LED lamp is designed for replacing 2-ft 40W PLL lamp (2G11 base) that is used pre-dominantly with 2x2 troffer fixtures. This retrofit lamp avoids the costly fixture upgrade, saves 57.5% on lighting energy consumption from the start, and removes ballast maintenance costs once and for all for the end user. The PLL lamp is UL certified and comes with 5-year warranty.

Ordering Information

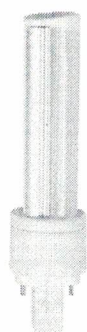
Product #	Length	Base	Lumen	Wattage	Color
APLL-23W-2800-BP-30K	22"	2G11	2100	17W	3000K
APLL-23W-2800-BP-35K	22"	2G11	2100	17W	3500K
APLL-23W-2800-BP-40K	22"	2G11	2200	17W	4000K
APLL-23W-2800-BP-50K	22"	2G11	2200	17W	5000K

LED PL RETROFIT LAMPS

PL SERIES



6W E26



6W GX23



6W G24q



6W GU24



8W E26



8W GX23



8W G24q



8W GU24

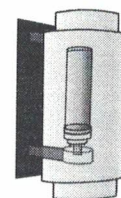
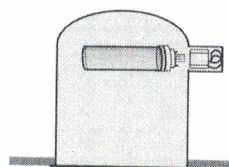
PRODUCT DESCRIPTION:

The six- and eight-watt LED PL Lamps are available in GU24, E26 as well as GX23 and G24q pin base options to replace inefficient 13- and 18-watt compact fluorescents lamps (CFLs). The LED PL lamps ensure a long 50,000-hour lifetime, and deliver an 82 CRI with uniform consistency compared to CFLs. The lamps operate on a 120-277 volt system to easily retrofit into a variety of residential applications, including recessed cans, sconces, and ceiling fixtures.

FEATURES:

- Universal voltage: 120V-277V applications
- Output ranges from 500 - 725 lumens
- Color Rendering Index (CRI): ≥82
- 50,000 hour life
- High power factor: ≥0.90
- Rotatable 270°
- Simple ballast bypass ensures maintenance-free operation
- Instant on
- Non dimmable
- Suitable for totally enclosed luminaires for E26 & GU24 base models only
- Suitable for dry and damp locations
- Five year limited warranty
- Not intended for use with emergency exits
- UL Listed (E26 & GU24 base), UL Classified (GX23 & G24q)

APPLICATIONS:



MODEL SELECTION (Full list of order codes on pg. 2 & 3)

Typical order example: 8PLG24QLED40

WATTAGE	PL		
	FAMILY	BASE	CCT
6= 6 watts 8= 8 watts	PL	GX23LED= GX23 2-pin G24QLED= G24q 4-pin GULED= GU24 twist & lock E26LED= E26 screw base	27= 2700K 30= 3000K 35= 3500K 40= 4000K 50= 5000K

SPECIFICATIONS:

ITEM	SPECIFICATION	6 WATTS - DETAILS					8 WATTS - DETAILS				
GENERAL PERFORMANCE	Color Temperature	2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K
	Lumens Delivered (lm)	500	500	525	525	525	675	675	725	725	725
	Efficacy (lm/w)	83	83	88	88	88	84	84	91	91	91
	Lumen Maintenance (L70)	50,000 hours									
ELECTRICAL	Power Factor	≥.90									
	Input Voltage	120V-277V									
PHYSICAL	Operating Temperature	-4° F to 113° F									
APPLICATION	Environment	Dry & Damp									
	Warranty	5 Year									

ORDERING*:

ORDER CODE	WATTAGE	MODEL	EQUIVALENCY	OUTPUT (LUMENS)	DIMENSIONS	CCT
GX23 BASE (2-PIN)						
76616	6	6PLGX23LED27	13W CFL	500	5.79" x 1.38"	2700K
76617	6	6PLGX23LED35	13W CFL	500	5.79" x 1.38"	3500K
76618	6	6PLGX23LED40	13W CFL	525	5.79" x 1.38"	4000K
76619	6	6PLGX23LED50	13W CFL	525	5.79" x 1.38"	5000K
76625	8	8PLGX23LED27	18W CFL	675	6.75" x 1.38"	2700K
76626	8	8PLGX23LED35	18W CFL	675	6.75" x 1.38"	3500K
76627	8	8PLGX23LED40	18W CFL	725	6.75" x 1.38"	4000K
76628	8	8PLGX23LED50	18W CFL	725	6.75" x 1.38"	5000K
G24Q BASE (4-PIN)						
76608	6	6PLG24QLED27	13W CFL	500	5.50" x 1.38"	2700K
76609	6	6PLG24QLED30	13W CFL	500	5.50" x 1.38"	3000K
76610	6	6PLG24QLED35	13W CFL	525	5.50" x 1.38"	3500K
76611	6	6PLG24QLED40	13W CFL	525	5.50" x 1.38"	4000K
76612	6	6PLG24QLED50	13W CFL	525	5.50" x 1.38"	5000K
76488	8	8PLG24QLED27	18W CFL	675	6.50" x 1.38"	2700K
76489	8	8PLG24QLED30	18W CFL	675	6.50" x 1.38"	3000K
76490	8	8PLG24QLED35	18W CFL	725	6.50" x 1.38"	3500K
76491	8	8PLG24QLED40	18W CFL	725	6.50" x 1.38"	4000K
76492	8	8PLG24QLED50	18W CFL	725	6.50" x 1.38"	5000K
GU24 BASE						
76613	6	6PLGU24LED27	13W CFL	500	5.38" x 1.38"	2700K
76614	6	6PLGU24LED30	13W CFL	500	5.38" x 1.38"	3000K
76615	6	6PLGU24LED40	13W CFL	525	5.38" x 1.38"	4000K
76622	8	8PLGU24LED27	18W CFL	675	6.40" x 1.38"	2700K
76623	8	8PLGU24LED30	18W CFL	675	6.40" x 1.38"	3000K
76624	8	8PLGU24LED40	18W CFL	725	6.40" x 1.38"	4000K

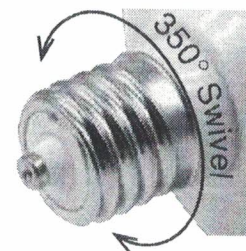
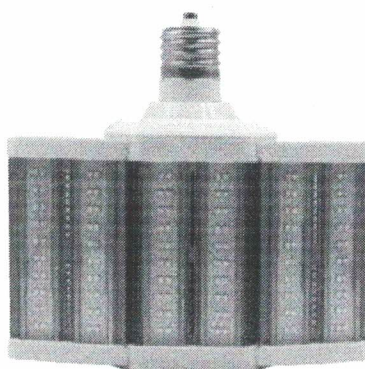
Lighting layouts and spacing criteria available upon request

ORDERING*:

ORDER CODE	WATTAGE	MODEL	EQUIVALENCY	OUTPUT (LUMENS)	DIMENSIONS	CCT
E26 BASE						
76606	6	6PLE26LED27	13W CFL	500	5.88" x 1.38"	2700K
76607	6	6PLE26LED30	13W CFL	500	5.88" x 1.38"	3000K
76620	8	8PLE26LED27	18W CFL	675	6.88" x 1.38"	2700K
76621	8	8PLE26LED30	18W CFL	675	6.88" x 1.38"	3000K

Lighting layouts and spacing criteria available upon request

ProLED Area Light Retrofit Series



Features

- Extending Sides (Fold Down) to 160° beam angle
- 350° rotating base to ease installation
- 4000K and 5000K color temperature
- Rated for enclosed fixtures
- UL Listed for Wet locations
- IP64 Rated for dust protection
- EX39 base
- Integral 4kV Surge Protection
- Replaces 250W-400W MH or HPS
- 50,000 Hour Rated Lifetime
- 5 Year Warranty
- Ballast bypass
- Safety cable included



The ProLED Area Light Retrofit Series lamp is a perfect replacement for a 250W-400W MH or HPS in any exterior parking lot shoe box style luminaire. This lamp utilizes a rotating base to facilitate ease of installation and positioning. Once lamp sides are extended, this lamp offers a 160° beam angle which drastically increases the effective lighting area. This product is enclosed fixture rated, IP64 and is backed with a 5 Year Warranty.

Applications

Pre-existing HID Area Lights (Shoebbox)

Ordering Information

Ordering Code	Product Number	Wattage	CCT	Base
84103	HID80/850/AL/EX39/LED	80	5000K	E39
84105	HID110/850/AL/EX39/LED	110	5000K	E39
84102	HID80/840/AL/EX39/LED	80	4000K	E39
84104	HID110/840/AL/EX39/LED	110	4000K	E39

Example: HID80/850/AL/E39/LED						
HOUSING	WATTAGE	CRI	CCT	MODEL	BASE	TYPE
HID	80	8	50	AL	E39	LED
	80 110	8=82	40=4000K 50=5000K	AL	E39	LED

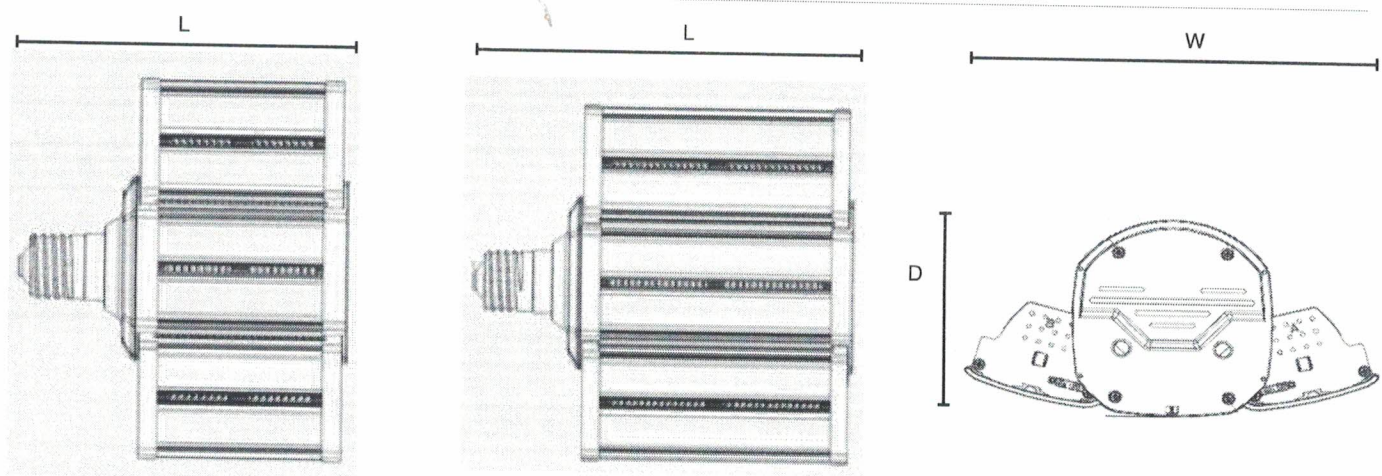
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Product Specification Table

Rated Wattage	80	110
Rated Lumen Output	10400	14300
Efficacy	>130lm/w	
Energy Savings	250W MH/HPS replacement equating to an approximate 65% energy savings	400W MH/HPS replacement equating to an approximate 70% energy savings
*L70 Useful Lifetime	50000hrs	
L70 Seller	Maintenance and relamping costs reduced dramatically due to high L70 life time rating	
Voltage Range	120 - 277VAC	
Base Type	E39	
CCT	400K, 5000K	
CRI	82	
Beam Angle	160°	
Surge Protection	4kV	
Warranty	5 Year Standard Halco Warranty	
Operating Temperature	- 40°F to 140°F	
Power Factor	>0.9	
**IP Rating	64	
LED Quantity	120	168
Qualifications	DLC Standard, UL, cULus, RoHS	
Product Weight (lbs)	2.69	3.65
Dimensions (in.)	8.7" x 4.3"	11.1" x 4.3"

*Useful Life is defined as the point in time at which the lamp will maintain at least 70% of its initial lumens. The lamp will continue to operate past this point at decreased light levels. ** Check the latest update at www.DesignLights.org for listed product catalog numbers. All versions may not be listed. ***IP64 - Rated as 'Dust Tight' and 'Splash' protected

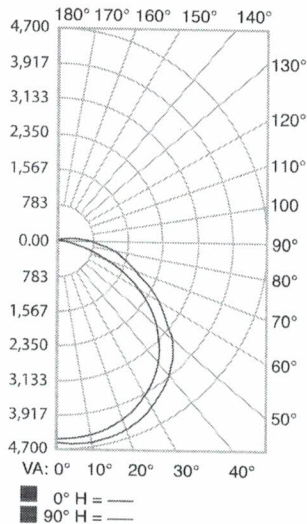
Dimensions



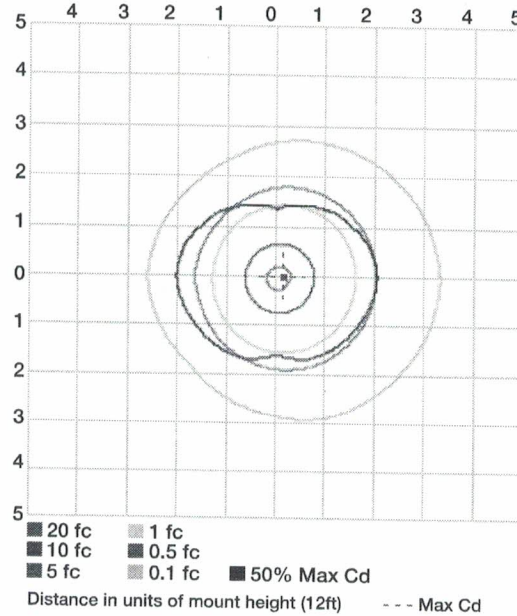
Watt	Dimensions
80W	D-4.66" x W-9.00 x L-8.7"
110W	D-4.66" x W-9.00 x L-11.09"

Photometrics

Polar Candela
80W ISO FC_15ft



ISO Footcandle plot
80W ISO FC_15ft



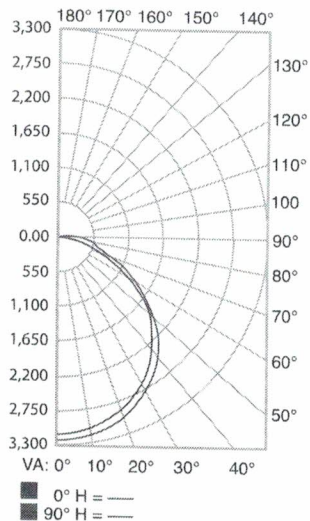
ZONAL LUMEN SUMMARY
ZONE LUMENS% LUMINAIRE

0-30	3,500.6	26.3%
0-40	5,760.9	43.4%
0-60	10,173.2	76.6%
60-90	2,797.5	21.1%
70-100	1,400.4	10.5%
90-120	215.8	1.6%
0-90	12,970.7	97.6%
90-180	317.4	2.4%
0-180	13,288.1	100%

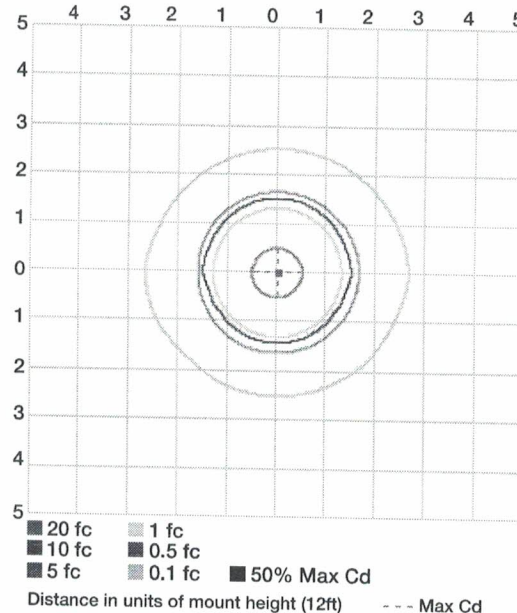
LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	422.8	3.2%	90-100	136.3	1%
10-20	1,217.0	9.2%	100-110	48.3	0.4%
20-30	1,860.8	14.0%	110-120	31.1	0.2%
30-40	2,260.3	17.0%	120-130	25.0	0.2%
40-50	2,341.5	17.6%	130-140	22.5	0.2%
50-60	2,070.9	15.6%	140-150	21.0	0.2%
60-70	1,533.5	11.5%	150-160	17.3	0.1%
70-80	882.0	6.6%	160-170	11.6	0.1%
80-90	382.1	2.9%	170-180	4.2	0%

Polar Candela
80W ISO FC_15ft



ISO Footcandle plot
80W ISO FC_15ft



ZONAL LUMEN SUMMARY
ZONE LUMENS% LUMINAIRE

0-30	2,479.7	27%
0-40	4,084.2	44.4%
0-60	7,209.5	78.4%
60-90	1,809.2	19.7%
70-100	853.6	9.3%
90-120	111.3	1.2%
0-90	9,018.8	98%
90-180	182.0	2%
0-180	9,200.8	100%

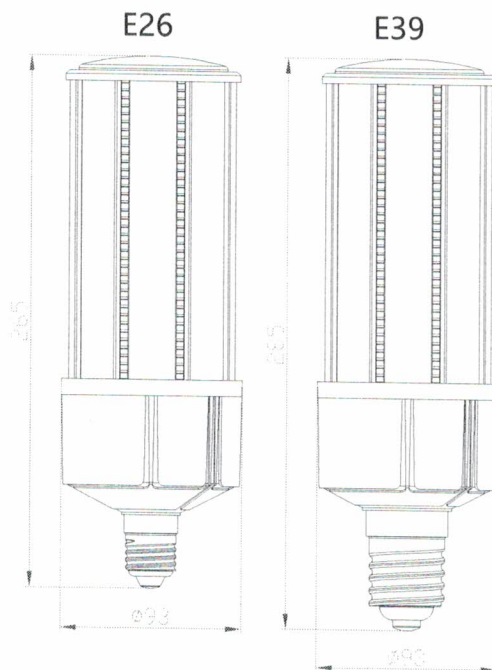
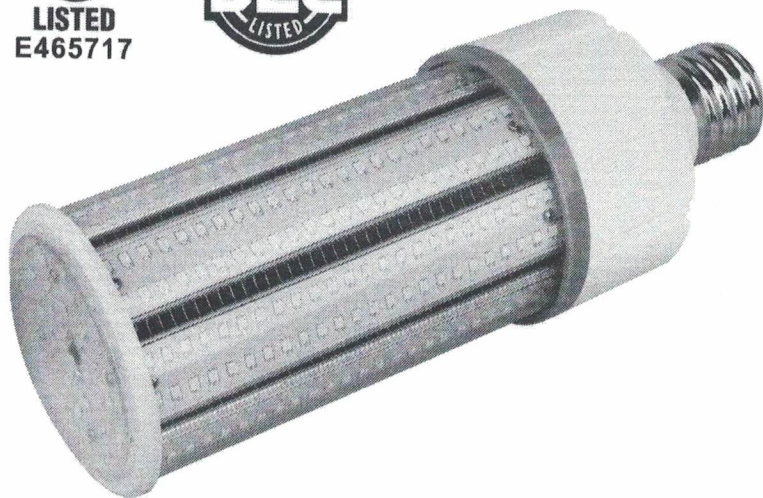
LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	299.4	3.3%	90-100	71.2	0.8%
10-20	862.3	9.4%	100-110	24.0	0.3%
20-30	1,318.1	14.3%	110-120	16.1	0.2%
30-40	1,604.4	17.4%	120-130	15.6	0.2%
40-50	1,666.0	18.1%	130-140	16.1	0.2%
50-60	1,459.4	15.9%	140-150	15.1	0.2%
60-70	1,026.8	11.2%	150-160	12.5	0.1%
70-80	561.2	6.1%	160-170	8.4	0.1%
80-90	221.2	2.4%	170-180	3.0	0%

5



TECHNICAL DATA SHEET

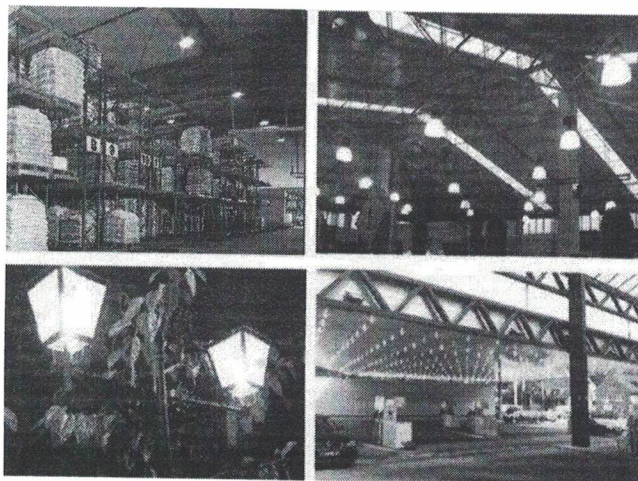


NAME: LED Corn Light

P/N: SNC-CLW-60WB1E26 / SNC-CLW-60WB1E39

Advantage

- UL, CUL certificate
- E26, E39 lamp base
- Warm / Natural / Cool / Cold white
- 360 degree lighting, high CRI.
- IP64 Waterproof Rating
- Big heat sink, one SUNON fan.
- Can be with clear or frosted cover.
- Internal driver, input voltage AC100-277V.
- New style and high efficient wide-range input.
- Long lifespan and good heat dissipation.
- Direct replacement for Metal Halide, Easy Installation.
- Fits many different fixtures to replace traditional lamps.



Application

Widely used in supermarket, warehouse, garage, home, office, hotel, hospital, school, street, garden etc.



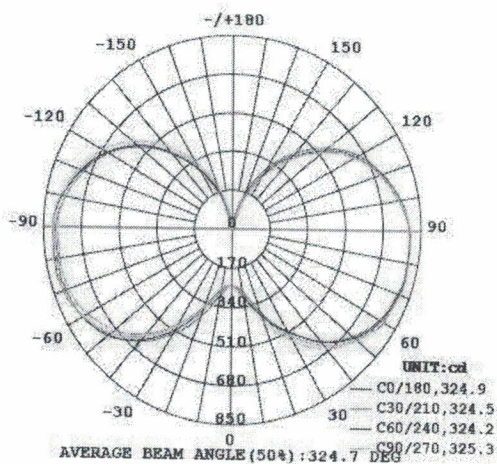
TECHNICAL DATA SHEET

PRODUCT SPECIFICATIONS		
Product name	LED Corn Light	
Light Type	Corn Light	
Part No	SNC-CLW-60WB1E26	SNC-CLW-60WB1E39
Dimension	Φ93*265 MM	Φ93*285 MM
Technical Characteristic		
Cover	Clear	Frosted
Color temperature	2700-6500K	
CRI	> 80	
Lumen	7800-8700 LM	6600-7500 LM
Lumen Efficacy	130-145 LM/W	110-125 LM/W
Input Power	60 W	
Viewing Angle	360 degree	
Input Voltage	AC100-277V 50/60Hz	
PFC	>0.9	
Equivalent	120W CFL , 175W MHL/HPS/HID	
Waterproof Rating	IP64	
MATERIALS		
LED Brand	EPISTAR	
LED Type	SMD2835	
LED QTY	416 PCS	
Housing	PC+AL (Fin)	
Housing color	White+Grey	
OTHERS		
Operating Temperature	-20°C TO 45°C	
Operating Humidity	20%-70% RH	
Storage Temperature	-30°C TO 80°C	
Storage Humidity	10%-75% RH	
Application	Indoor/Outdoor	
Safety Certification	UL、CUL	
Warranty Time	5 Years	

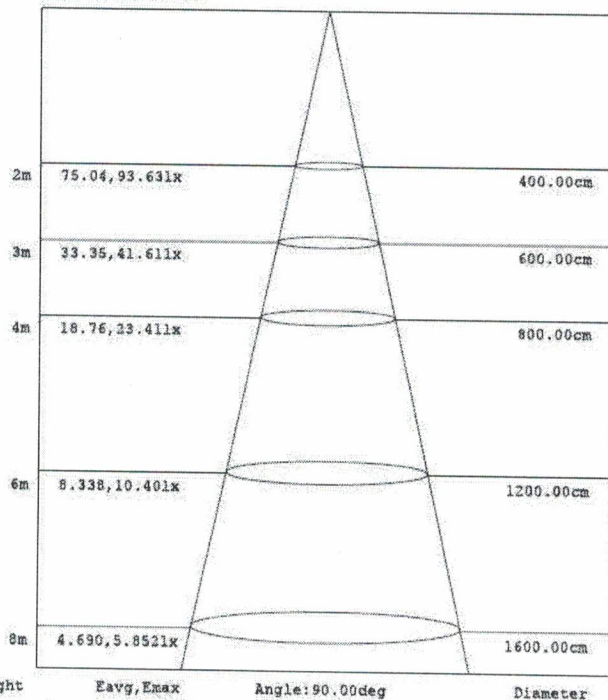
Remark: The testing data comes directly from the product test.

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.33 lm/W			
MODEL		I _{max} (cd)	857.5	S/MH(C0/180)	2.99
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	3.01
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	8115.5	η UP,DN(C0-180)	22.2,27.7
NOMINAL FLUX(lm)	8115.53	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	23.0,27.2
LAMPS INSIDE	1	η up (%)	45.2	CIBSE SHR NOM	2.00
TEST VOLTAGE(V)	120	η down (%)	54.8	CIBSE SHR MAX	0.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

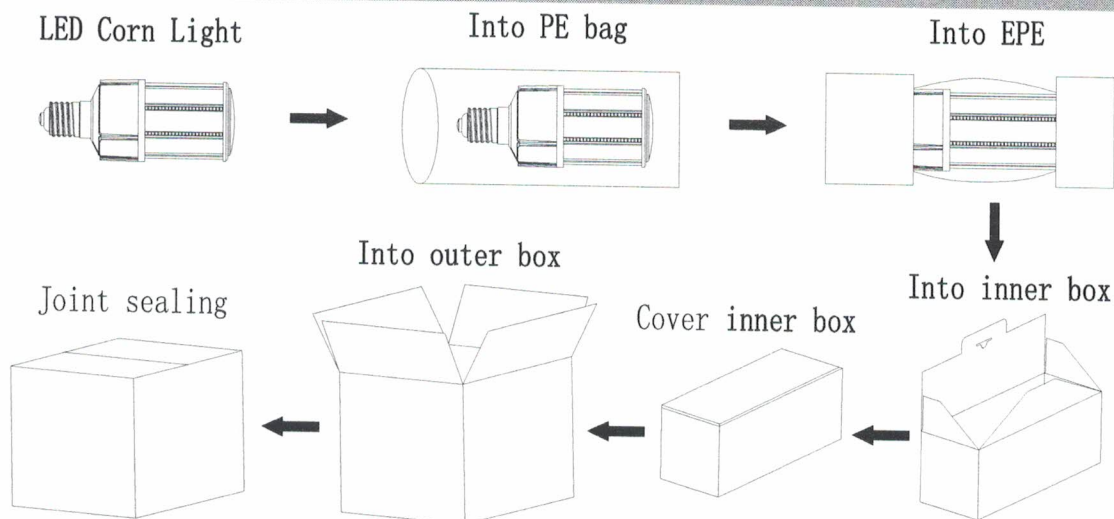


Flux out:943.0 lm



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

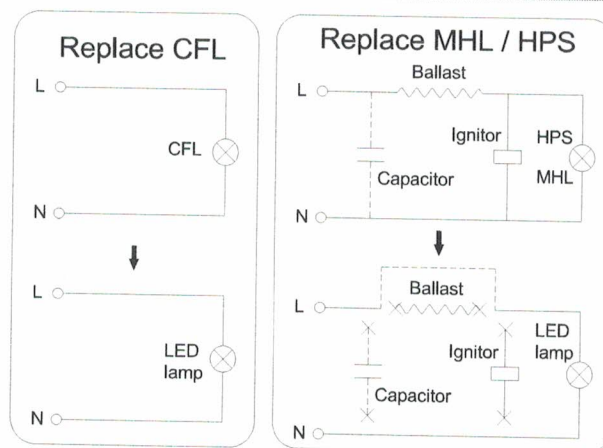
Package



	Size	Qty/ Carton	Net Weight/ Carton	Gross Weight/ Carton
Inner box	310*120*120 MM	1 PC	0.57 KG	0.72 KG
Outer box	495*375*325 MM	12 PCS	6.9 KG	9.8 KG

Notice For User

- Please turn off power before install or change assembly parts.
- The input voltage and lamps should be matched, after connecting the power line, please make sure the wiring section is insulated.
- Make sure to remove or bypass the ballast in the fixtures before install the lamps.
- Suitable for damp locations. Do not use with dimmers.
- Suitable for use in enclosed luminaires, min. lamp compartment dimensions: 420*210*210MM.
- No-professionals, must not install and disassemble the lamps.



Trouble Shootings

Troubles	Check points
Flickering of the lamps	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies
Out of working	Please check the connection