



P/N: AST-CLW16-045WXYZA1-acK

Note:

AST = Company name

CLW16 = Product series, LED Corn Lamp

045W = Rating Power

X = LED manufacturer, could be any letter: "B" for Lumileds 2835.

Y = Cover type, "C" for Clear cover, "F" for Frosted cover.

Z=D or S, for CCT Switch Assembly provided or not, "D" Stand for CCT tunable, "S" Stand for single CCT.

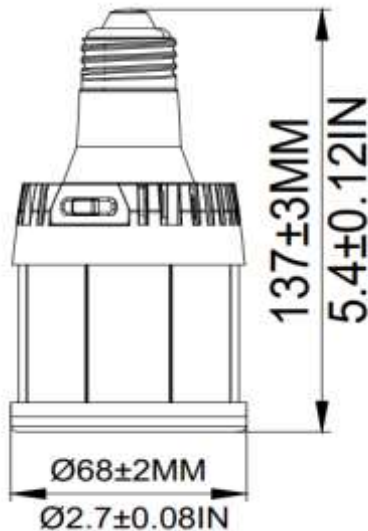
A1 = Version number

a = Lamp base type: "E" for E39 lamp base, "EX" for EX39 lamp base. BLANK for E26.

ck= CCT, can be 30/40/50K for or any two digits for single CCT, like 30K=3000K, 40K=4000K, 50K=5000K.

DIMENSIONS

E26



ADVANTAGE

- UL cUL certificate.
- E26/E39/EX39 lamp base.
- Lumileds Chip, high CRI.
- Internal driver, input voltage 120-277VAC.
- Meet 4kV surge immunity level.
- Direct replacement for Metal Halide, easy installation.
- Fits many different fixtures to replace traditional lamps.
- Two dimming options are available, continuous dimming or segmented dimmer
- Long lifespan and good heat dissipation ,With Sunon fan

NOTICE FOR USER

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

APPLICATION

- Replacement Lamps for Outdoor
- Pole/Arm-mounted Decorative Luminaires(Type B)

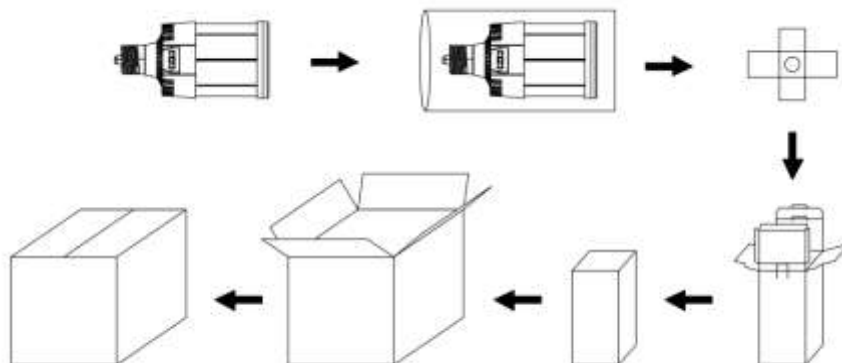
SPECIFICATIONS

OPTICAL	Input Power (Tolerance : $\pm 10\%$)	45W(22W/33W/45W via switch)		
	Color Temperature (Color Tunable)	3000K	4000K	5000K
	Lumen (Tolerance : $\pm 10\%$)	6500LM	6900LM	6700M
	Efficacy (Tolerance : $\pm 3\%$)	145LM/W	155LM/W	150M/W
	CRI	>80		
	Color Consistency	<7 Steps (or <7 SDCM)		
	Diffuser Type	Clear PC		
	Beam Angle (50%) (Tolerance : $\pm 25\%$)	280Degree		
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz		
	PF (Tolerance : -3%)	≥ 0.9		
	THD (Tolerance : +5%)	$\leq 20\%$		
	Flicker Percent	<30%		
	Driver Surge protection	L-N: 4kV		
	Dimmable	0-10V dimming standard (through manual knob on the lamp)		
	Equivalent	100W CFL, 150W MHL/HPS/HID		
MATERIALS	LED Brand	Lumileds		
	LED Type	SMD2835		
	LED QTY	126pcs of 3000K + 126 pcs of 5000K		
	Housing	PC + Aluminum		
	Housing Color	Any colors		
	Waterproof Rating	DAMP		
OTHERS	Operating Temperature	-40°C TO 50°C		
	Storage Temperature	-40°C TO 80°C		
	Operating Humidity	20% - 70% RH		
	Storage Humidity	10% - 75% RH		
	Warranty	5 years		

PACKAGE

	Carton Size	Qty /	Net Weight / Carton	Gross Weight / Carton
Inner Carton	75*75*180 MM/2.95*2.95*7IN	1 PC	0.22KG/0.48lb	0.24KG/0.53lb
Outer Carton	395*320*195 MM/15.6*12.6*7.7IN	20 PCS	2.9KG/6.4lb	4.12KG/9.1lb

Tolerance of Outer Carton Size: ± 15 MM/ ± 0.59 IN, Tolerance of Weight: $\pm 10\%$.



LIGHT DISTRIBUTION TESTING PARAMETERS < Clear PC >

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

Luminaire Property

Luminaire Manufacturer:

Voltage: 120.5 V

Power: 45.50 W

Current: 0.380 A

Power Factor: 0.993

Photometric Results

CIE Class: General Diffuse

Measurement Flux: 6915 lm

Downward Ratio: 55%

Horizontal Diffuse Angle(10%,50%): H334.3,H284.6

Vertical Diffuse Angle(10%,50%): V333.2,V284.1

Luminaire Efficacy Rating (LER): 152.03

Max. Intensity: 713.34 cd

S/MH(C0/C180): 2.76

Total Rated Lamp Lumens: 6915.0 lm

Efficiency: 100%

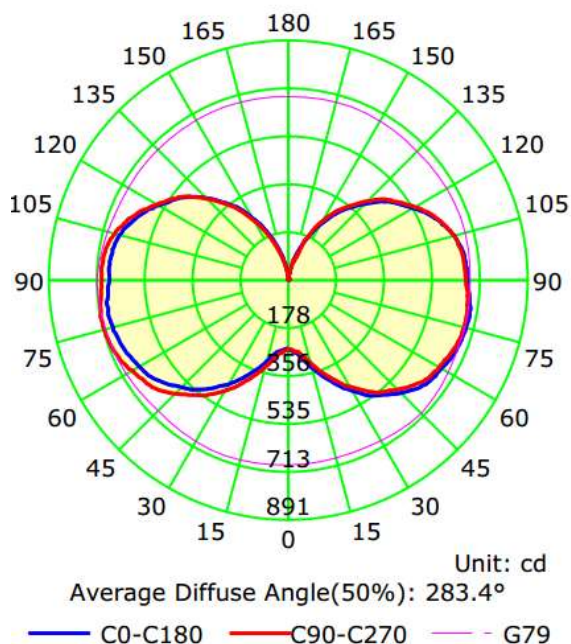
Upward Ratio: 45%

Central Intensity: 256.06 cd

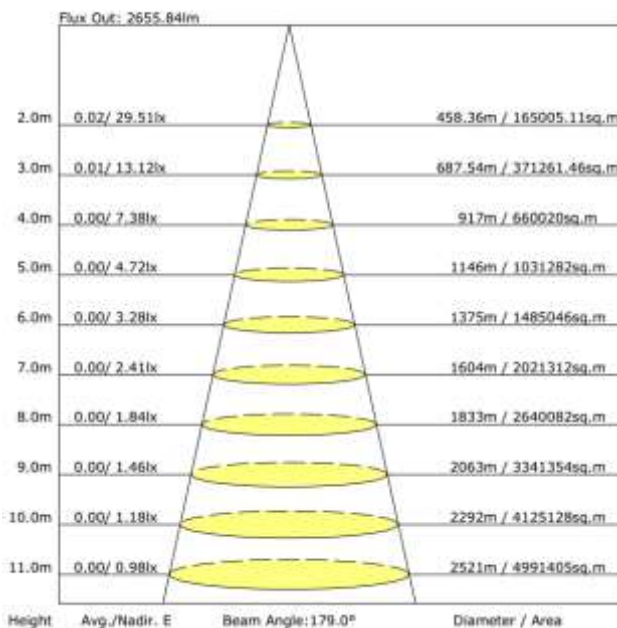
Pos of Max. Intensity: H270 V79

S/MH(C90/C270): 2.78

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



TROUBLE SHOOTINGS

Troubles	Check points
Flickering of the light	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.