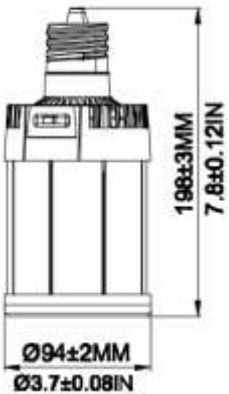


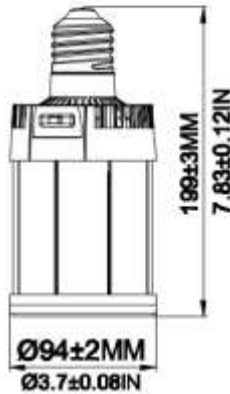


DIMENSIONS

EX39



E39



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*220*220 MM.

P/N: AST-CLW16-080WXYZA1-adcK

Note:

AST = Company name

CLW16 = Product series, LED Corn Lamp

080W = 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.

d= dimming type: "C" for Continuous dimming and "S" for Segmented dimmer,

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

ADVANTAGE

- UL cUL certificate.
- E39/EX39 lamp base.
- Lumileds Chip, high CRI.
- Internal driver, input voltage 120-277VAC.
- Meet 6kV 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

APPLICATION

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

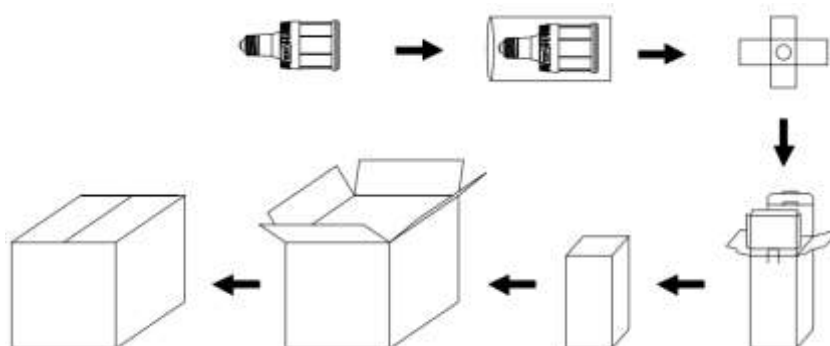
SPECIFICATIONS

OPTICAL	Input Power (Tolerance : $\pm 10\%$)	80W(40W/60W/80W via switch)		
	Color Temperature (Color Tunable)	3000K	4000K	5000K
	Lumen (Tolerance : $\pm 10\%$)	11000LM	12800LM	11600LM
	Efficacy (Tolerance : $\pm 3\%$)	140LM/W	160 LM/W	145LM/W
	CRI	>80		
	Color Consistency	<7 Steps (or <7 SDCM)		
	Diffuser Type	Clear PC		
	Beam Angle (50%) (Tolerance : $\pm 25\%$)	280 Degree		
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: 6kV		
	Dimmable	0-10V dimming standard (through manual knob on the lamp)		
	Equivalent	150W CFL, 250W MHL/HPS/HID		
MATERIALS	LED Brand	Lumileds		
	LED Type	SMD2835		
	LED QTY	198 pcs of 3000K + 198 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 / Carton	Net Weight / Carton	Gross Weight /
Inner Carton	100*100*240MM/4*4*9.45IN	1 PC	0.58 KG/1.28lb	0.66KG/1.46lb
Outer Carton	420*320*255MM/16.5*12.6*10IN	12 PCS	7KG/15.4lb	9KG/19.8lb

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: 277.8 V
Power: 75.36 W

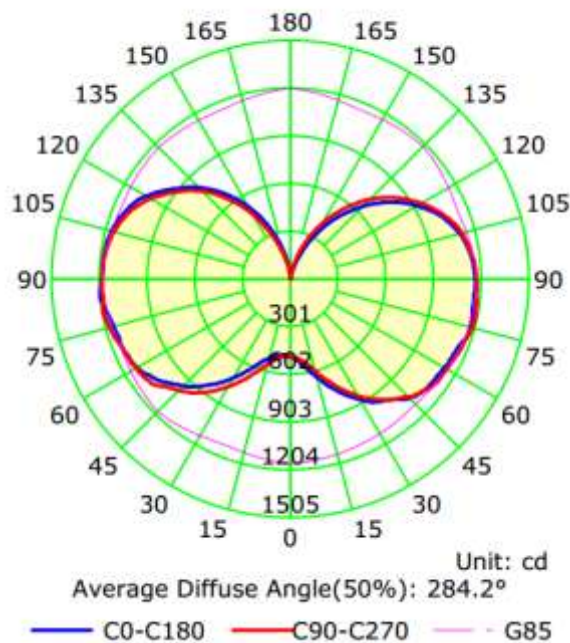
Current: 0.289 A
Power Factor: 0.940

Photometric Results

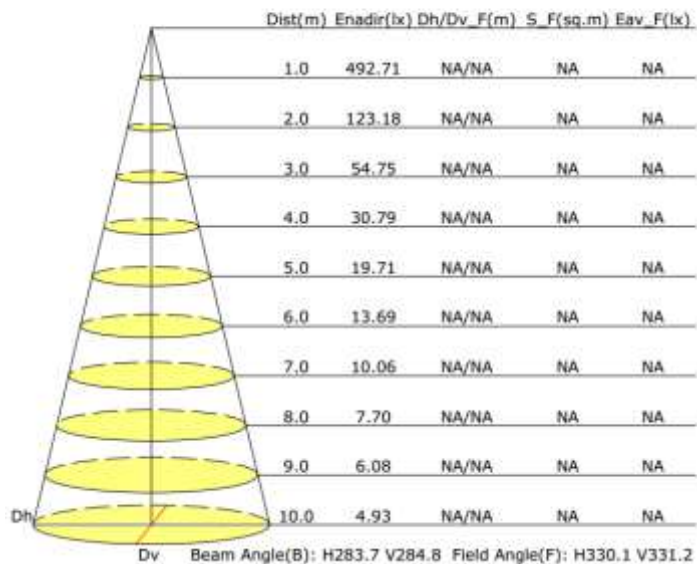
CIE Class: General Diffuse
Measurement Flux: 11840.8 lm
Downward Ratio: 55%
Horizontal Diffuse Angle(10%,50%): H330.3,H284.3
Vertical Diffuse Angle(10%,50%): V331.2,V285
Luminaire Efficacy Rating (LER): 157.17
Max. Intensity: 1204.16 cd
S/MH(C0/C180): 2.59

Total Rated Lamp Lumens: 11840.8 lm
Efficiency: 100%
Upward Ratio: 45%
Central Intensity: 492.71 cd
Pos of Max. Intensity: H180 V85
S/MH(C90/C270): 2.63

Luminous Intensity Distribution Curve



Illuminance at a Distance(Field Angle)



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.