LED CORN LIGHT

UL LISTED cULus

DLC QPL LISTED

DIMENSIONS

P/N: AST-CLW08-045WBCA1-acK

Note:

AST= Company name

CLW08 = Product series, LED Corn Light

045W = Rating Power

B = LED manufacturer, LUMILEDS
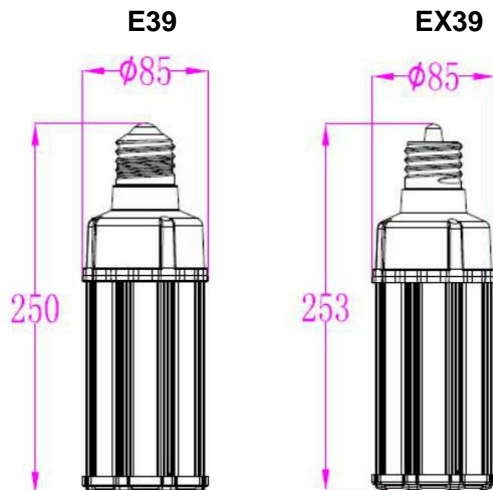
C = Cover type, Clear cover

a=represent the lamp base type, can be "E" for E39, "EX" for EX39,

b=represent the Top cover material,can be "P" or "m","P" for plastic,"m" for metal.

cK=CCT, 30K=3000K, 35K=3500K,40K=4000K, 45K=4500K,50K=5000K, 57K=5700K

E39   **EX39**

Ø85   Ø85

250   253

ADVANTAGE

- ➢ UL cUL DLC certificate.
- ➢ E39 EX39 lamp base.
- ➢ Can be with clear or frosted cover.
- ➢ IP65 Waterproof Rating.
- ➢ Big heat sink, NO fan.
- ➢ Internal driver, input voltage AC100-277V.
- ➢ Meet 4KV surge immunity level.
- ➢ Sealant pouring for whole driver and lamp plastic housing.
- ➢ Long lifespan and good heat dissipation.
- ➢ Direct replacement for Metal Halide, easy installation.
- ➢ Fits many different fixtures to replace traditional lamps.

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 thefixtures before install the lamps.
- ➢ Suitable for damp locations. Do not use with dimmers.
- ➢ Suitable for use in enclosed luminaires, min. lamp compartment dimensions: 400*200*200MM.
- ➢ No-professionals, must not install and disassemble the lamps.

APPLICATION

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

SPECIFICATIONS

OPTICAL	Input Power	45W
	Lumen	4725-5625 LM
	Lumen Efficacy	105-125LM/W
	Color Temperature	3000K, 3500K, 4000K, 4500K, 5000K, 5700K
	CRI	>80
	Viewing Angle	185.58Degree
ELECTRICAL	Input Voltage	100-277VAC 50/60Hz
	PF	≥0.9
	THD	≤20%
	Equivalent	100W CFL，150W MHL/HPS/HID
MATERIALS	LED Brand	LUMILEDS
	LED Type	SMD2835
	LED QTY	126 PCS
	Housing	PC + Aluminum
	Housing Color	Any Colors
	Cover	Clear
	Waterproof Rating	IP64
OTHERS	Operating Temperature	-40℃ TO 45℃
	Operating Humidity	20％-70％ RH
	Storage Temperature	-40℃ TO 80℃
	Storage Humidity	10％-75％ RH
	Warranty Time	5 Years

PACKAGE

	Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Inner box	90*90*285MM	1 PC	0.65 KG	0.85 KG
Outer box	380*290*305MM	12 PCS	7.8 KG	11.2 KG
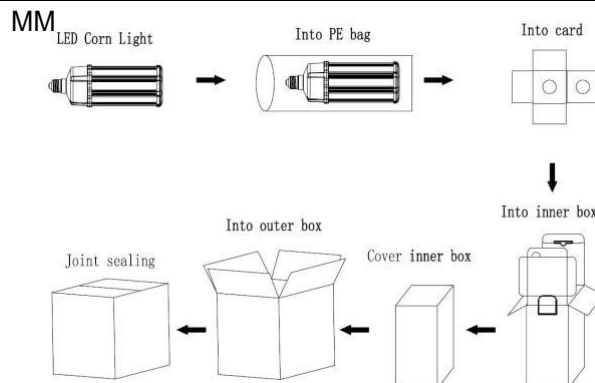
LIGHT DISTRIBUTION TESTING PARAMETERS

Remark: The testing data comes from the product in luminaires.

Luminaire Property

Luminaire Manufacturer:
Voltage: 119.9 V
Power: 44.60 W

Current: 0.3762 A
Power Factor: 0.988

Photometric Results

IES Classification: Type I
Total Rated Lamp Lumens: 4681.2 lm
Efficiency: 100%
Upward Ratio: 22%
Central Intensity: 149.51 cd
Pos of Max. Intensity: H135 V70
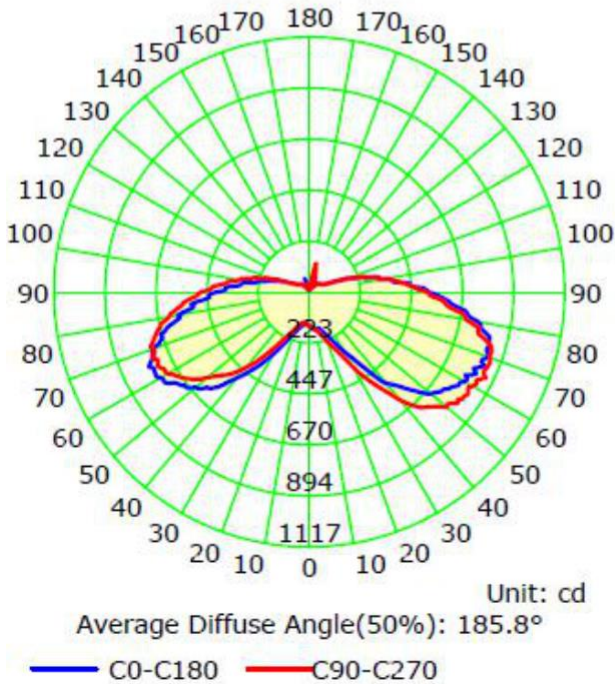
Longitudinal Classification: Short
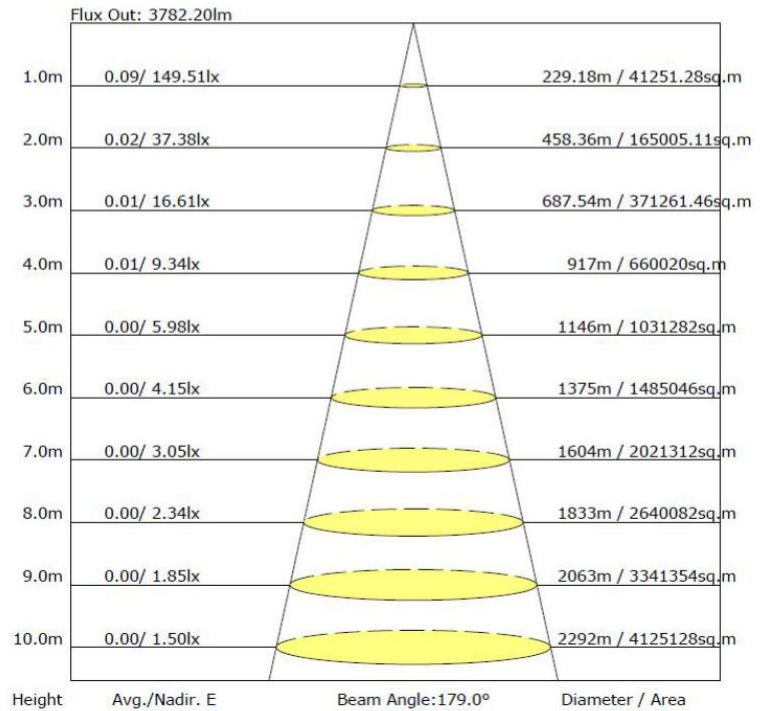Measurement Flux: 4681.2 lm
Downward Ratio: 78%
Luminaire Efficacy Rating (LER): 104.96
Max. Intensity: 894.29 cd

Luminous Intensity Distribution Curve

Unit: cd
Average Diffuse Angle(50%): 185.8°

— C0-C180   — C90-C270

The Average Illuminance Effective Figure

Flux Out: 3782.20lm

Height	Avg./Nadir. E		Diameter / Area
1.0m	0.09/ 149.51lx		229.18m / 41251.28sq.m
2.0m	0.02/ 37.38lx		458.36m / 165005.11sq.m
3.0m	0.01/ 16.61lx		687.54m / 371261.46sq.m
4.0m	0.01/ 9.34lx		917m / 660020sq.m
5.0m	0.00/ 5.98lx		1146m / 1031282sq.m
6.0m	0.00/ 4.15lx		1375m / 1485046sq.m
7.0m	0.00/ 3.05lx		1604m / 2021312sq.m
8.0m	0.00/ 2.34lx		1833m / 2640082sq.m
9.0m	0.00/ 1.85lx		2063m / 3341354sq.m
10.0m	0.00/ 1.50lx		2292m / 4125128sq.m

Beam Angle:179.0°

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.