DLC QPL® LISTED

c UL us LISTED E495045

P/N:

AST-CLW08E-080WBCZA1-adPcK

Note:

CLW08E= Product series, LED Corn Light
080W = Rating Power
B= LUMILEDS ,LED manufacturer,
C= Cover type, for Clear cover,
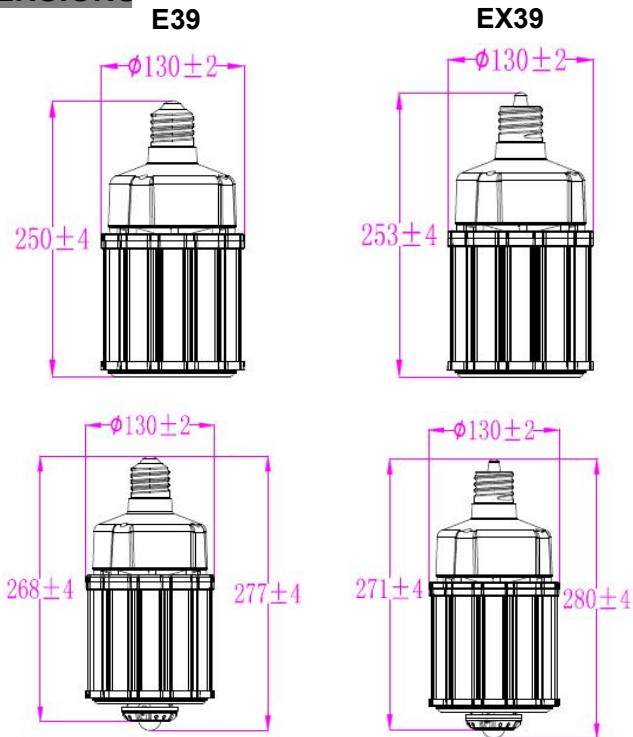Z=Sensor type.   "N"for none sensor, "M"for motion sensor,   "P"for PIR sensor.
a= represent the lamp base type, can be "E" for E39, "EX" for EX39.
d= dimming type: "L" for Continuous dimming and "S " for Segmented dimmer
P=represent the Top cover material, "P" for plastic material,
cK= represents CCT, can be two digital. 30K=3000K, 35K=3500K,45K=4500K, 50K=5000K, 57K=5700K, 65K=6500K

DIMENSIONS

E39

EX39

Φ130±2   Φ130±2

250±4   253±4

Φ130±2   Φ130±2

268±4   277±4   271±4   280±4

ADVANTAGE

➢ UL cUL DLC-V5.1(Standard)certificate
➢ Continuous resistance with dimming function..
➢ Big heat sink, NO fan.
➢ Internal driver, input voltage AC100-277V.
➢ Meet 6KV surge immunity level
➢ Two dimming options are available, continuous dimming or segmented dimmer
➢ Both microwave and PIR sensors are available.
➢ Continuous resistance with dimming (lamp body) function and 0-10v dimming (sensor) function.

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: 420*230*230MM.
◆ No-professionals, must not install and disassemble the lamps.

APPLICATION

➢ Replacement Lamps for High Bay Luminaires (Type B)

SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	80W（Wattage adjustable W=80W/63W/54W）						
	Color Temperature	3000K	3500K	4000K	4500K	5000K	5700K	6500K
	Lumen (Tolerance : -10%)-In Luminaires	9389LM	9542LM	9695LM	9826LM	9956LM	10087LM	10458LM
	Efficacy (Tolerance : -3%)-In Luminaires	122LM/W	123LM/W	125LM/W	126LM/W	128LM/W	130LM/W	134LM/W
	CRI	>80						
	Color Consistency	6 Steps (or ＜6 SDCM)						
	Diffuser Type	Clear / Frosted						
	Beam Angle (50%) (Tolerance : ±25%)	141 Degree						
ELECTRICAL	Input Voltage and Frequency	100-277VAC 50/60Hz						
	PF (Tolerance : -3%)	≥0.9						
	THD (Tolerance : +5%)	≤20%						
	Flicker Percent	＜5%						
	Driver Surge protection	L-N:6kV						
	Dimmable	YES						
	Equivalent	150W CFL，250W MHL/HPS/HID						
MATERIALS	LED Brand	Lumileds						
	LED Type	SMD2835						
	LED QTY	350 PCS						
	Housing	PC + Aluminum						
	Housing Color	Any colour						
	Waterproof Rating	IP64						
OTHERS	Operating Temperature	-40℃ TO 50℃						
	Storage Temperature	-40℃ TO 80℃						
	Operating Humidity	20％-70％ RH						
	Storage Humidity	10％-75％ RH						
	Warranty	5 years.						

PACKAGE

	Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Inner box	135*135*285MM	1 PC	1.48 KG	1.6 KG
Outer box	420*285*305MM	6 PCS	8.9 KG	10.6 KG
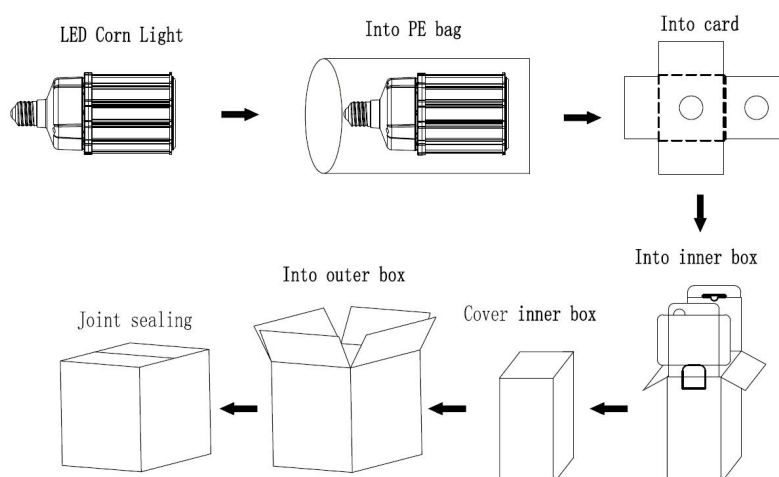
LIGHT DISTRIBUTION TESTING PARAMETERS

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

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
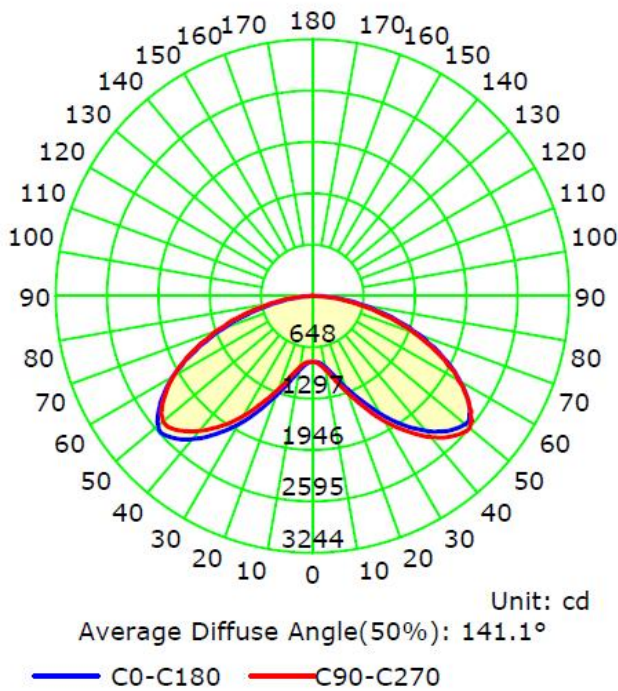Luminous Height (mm):
Current: 0.647 A
Power Factor: 0.990

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
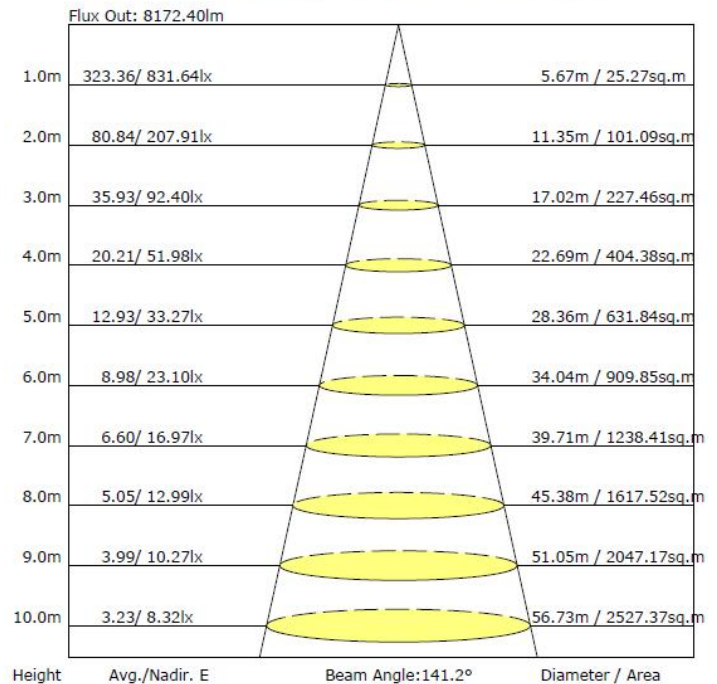Power: 76.88 W

Photometric Results

CIE Class: Direct
Measurement Flux: 9389.8 lm
Downward Ratio: 99%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 169.1, 169.0, 169.7, 168.5
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 141.2, 141.0, 141.7, 141.0
Luminaire Efficacy Rating (LER): 122.19
Max. Intensity: 2595.94 cd
S/MH(C0/C180): 2.94

Total Rated Lamp Lumens: 9389.8 lm
Efficiency: 100%
Upward Ratio: 1%
C0r0 Intensity: 831.64 cd
Pos of Max. Intensity: H90 V50
S/MH(C90/C270): 2.94

Luminous Intensity Distribution Curve

Unit: cd

Average Diffuse Angle(50%): 141.1°

—— C0-C180 —— C90-C270

The Average Illuminance Effective Figure

Flux Out: 8172.40lm

Height	Avg./Nadir. E	Diameter / Area
1.0m	323.36/ 831.64lx	5.67m / 25.27sq.m
2.0m	80.84/ 207.91lx	11.35m / 101.09sq.m
3.0m	35.93/ 92.40lx	17.02m / 227.46sq.m
4.0m	20.21/ 51.98lx	22.69m / 404.38sq.m
5.0m	12.93/ 33.27lx	28.36m / 631.84sq.m
6.0m	8.98/ 23.10lx	34.04m / 909.85sq.m
7.0m	6.60/ 16.97lx	39.71m / 1238.41sq.m
8.0m	5.05/ 12.99lx	45.38m / 1617.52sq.m
9.0m	3.99/ 10.27lx	51.05m / 2047.17sq.m
10.0m	3.23/ 8.32lx	56.73m / 2527.37sq.m

Beam Angle:141.2°

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.