LEDKING
QUALITY LIGHTING SOLUTIONS

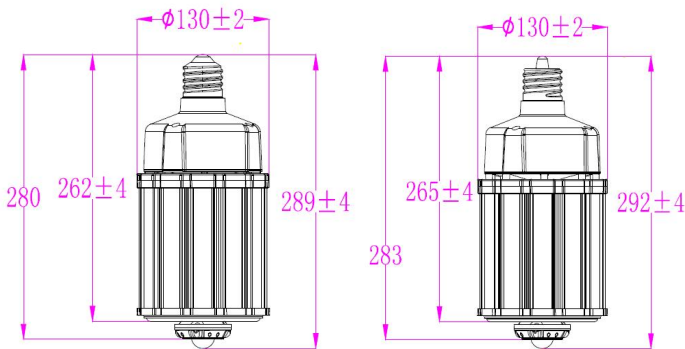# ITEM#431

LED KING LIGHTING DISTRIBUTION
E-mail: sales@ledkingtx.com
www.ledkingtx.com

P/N:

AST-CLW08E-100WXYA1-adbcK

Note:

CLW08E= Product series, LED Corn Light

100W = Rating Power

X = LED manufacturer, B =LUMILEDS

Y = Cover type, X=C, for Clear cover;
     X=F, for Frosted cover

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

b=represent the Top cover material, "P" for plastic material, "M" for metal 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

280   262±4   289±4

265±4   292±4   283

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: 440*240*240MM.

➤ No-professionals, must not install and disassemble the lamps.

ADVANTAGE

➤ UL cUL certificate.

➤ E39 EX39 lamp base.

➤ Can be with clear or frosted cover.

➤ Big heat sink, NO fan.

➤ Internal driver, input voltage AC100-277V. 0-10v dimming

➤ Meet 6KV surge immunity level

➤ Microwave or PIR sensors is available.

➤ Two dimming options are available, continuous dimming or segmented dimming

➤ Easy installation.

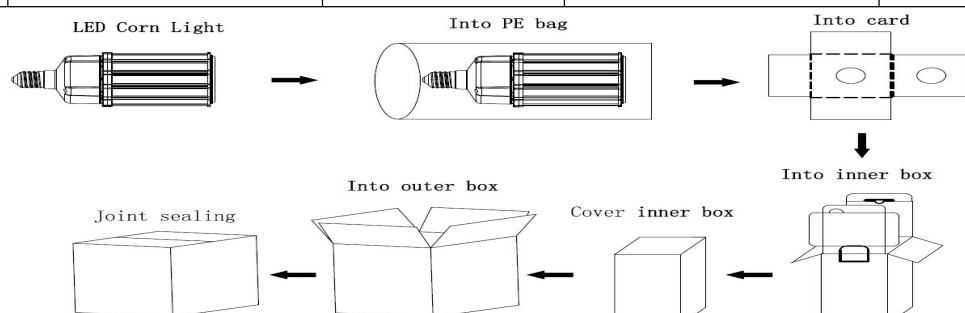➤ Fits many different fixtures to replace traditional lamps.

APPLICATION

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

SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	100W			
	Color Temperature	2700K	3000K	3500K	4000-6500K
	Lumen (Tolerance : -10%)-In Luminaires	13000LM	14000LM	14200LM	15000LM
	Efficacy (Tolerance : -3%)-In Luminaires	130LM/W	140LM/W	142LM/W	150LM/W
	CRI	>80			
	Color Consistency	6 Steps (or ＜6 SDCM)			
	Diffuser Type	Clear (Optional :Frosted)			
	Viewing Angle	285 Degree			
ELECTRICAL	Input Voltage	100-277VAC 50/60Hz			
	PF	≥0.9			
	THD	≤20%			
	Flicker Percent	＜5%			
	Driver Surge protection	L-N: 6kV			
	Dimmable	YES			
	Equivalent	200W CFL, 250W MHL/HPS/HID			
MATERIALS	LED Brand	Lumileds			
	LED Type	SMD2835			
	LED QTY	416pcs			
	Housing	PC + Aluminum			
	Housing Color	Any colour			
	Waterproof Rating	IP64			
OTHERS	Operating Temperature	-40℃ TO 50℃			
	Operating Humidity	20%-70% RH			
	Storage Temperature	-40℃ TO 80℃			
	Storage Humidity	10%-75% RH			
	Warranty Time	5 years warranty with 24/7 operating hours lamp lifetime at 25℃ and in installed fixture.			

PACKAGE

	Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Inner box	135*135*295MM	1 PC	1.43 KG	1.57 KG
Outer box	420*285*315MM	6 PCS	8.58 KG	10.42 KG

LED Corn Light → Into PE bag → Into card

Into inner box

Joint sealing ← Into outer box ← Cover inner box

LIGHT DISTRIBUTION TESTING PARAMETERS

Remark: The testing data comes directly from the product test. < PC Clear >

Luminaire Property

Luminaire Manufacturer:
Voltage: 119.9 V
Power: 103.90 W

Current: 0.873 A
Power Factor: 0.993

Photometric Results

CIE Class: General Diffuse
Measurement Flux: 15469.9 lm
Downward Ratio: 53%
Horizontal Diffuse Angle(50%): H289.2
Vertical Diffuse Angle(50%): V289
Luminaire Efficacy Rating (LER): 148.94
Max. Intensity: 1624.35 cd
S/MH(C0/C180): 3.33
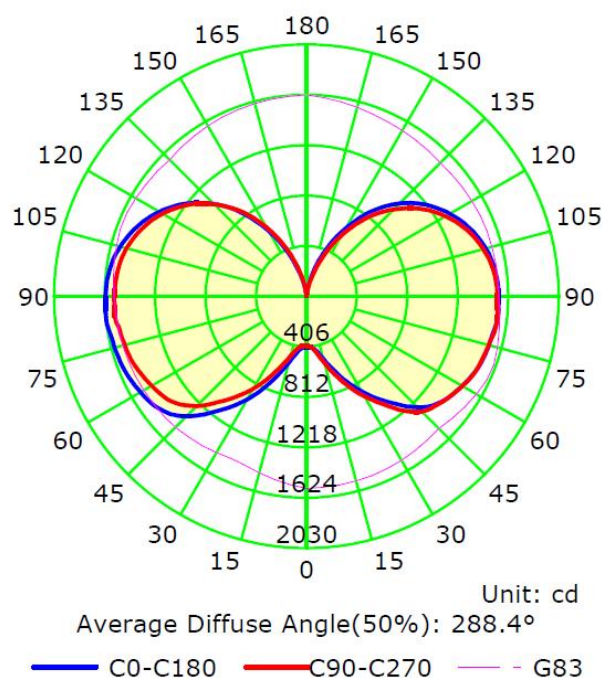
Total Rated Lamp Lumens: 15469.9 lm
Efficiency: 100%
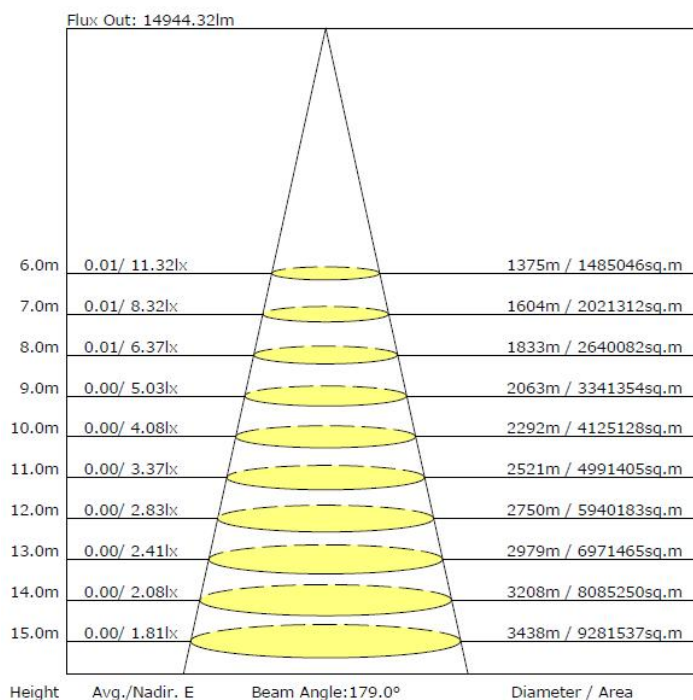Upward Ratio: 47%

Central Intensity: 407.65 cd
Pos of Max. Intensity: H180 V83
S/MH(C90/C270): 3.30

Luminous Intensity Distribution Curve

Average Diffuse Angle(50%): 288.4°

—— C0-C180 —— C90-C270 - - G83

The Average Illuminance Effective Figure

Flux Out: 14944.32lm

Height	Avg./Nadir. E	Diameter / Area
6.0m	0.01/ 11.32lx	1375m / 1485046sq.m
7.0m	0.01/ 8.32lx	1604m / 2021312sq.m
8.0m	0.01/ 6.37lx	1833m / 2640082sq.m
9.0m	0.00/ 5.03lx	2063m / 3341354sq.m
10.0m	0.00/ 4.08lx	2292m / 4125128sq.m
11.0m	0.00/ 3.37lx	2521m / 4991405sq.m
12.0m	0.00/ 2.83lx	2750m / 5940183sq.m
13.0m	0.00/ 2.41lx	2979m / 6971465sq.m
14.0m	0.00/ 2.08lx	3208m / 8085250sq.m
15.0m	0.00/ 1.81lx	3438m / 9281537sq.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.