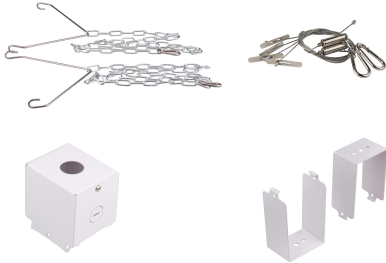


GREENTEK ENERGY SYSTEMS, LLC
www.greentekes.com



P/N: GT-LHBT-110WBMP-abe

Note:

GT= Company name;

LHBT= Product series, LED Linear High Bay Light;

110W= Rating Power;

B= manufacturer of LED, Lumileds(2835);

M= Diffuser type, Matte Lens;

P= Driver manufacturer, Class P driver ;

a=can be any two letters to represent lamp colors,

WH=White, or Customized;

b=can be "MS" or "PS" or blank

for AC option Microwave sensor or

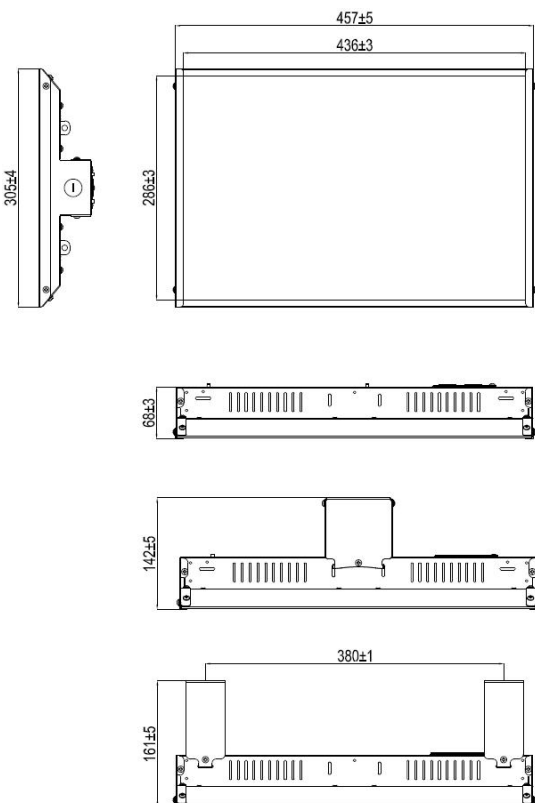
AC Motion PIR sensor provided or not;

e=can be "XXK" for CCT,

40K=4000K, 50K=5000K, 57K=5700K



DIMENSIONS



ADVANTAGE

- UL DLC certificate.
- Lumileds Chip, high CRI.
- Input voltage 120-277VAC.
- Output constant current lever can be adjusted through output cable with 0-10V.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO flickering, NO humming.
- Green and eco-friendly without mercury.

APPLICATION

- Warehouse, factory and workshops;
- Exhibition hall and supermarkets, etc.

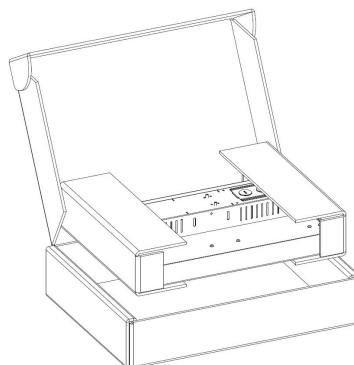
SPECIFICATIONS

OPTICAL	Input Power (Tolerance : $\pm 10\%$)	110W		
	Color Temperature	4000K	5000K	5700K
	Lumen (Tolerance : $\pm 10\%$)	15177 LM	15230 LM	15257 LM
	Efficacy (Tolerance : $\pm 3\%$)	141 LM/W	142 LM/W	142 LM/W
	CRI	>80		
	Color Consistency	<6 Steps (or <6 SDCM)		
	UGR	<28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)		
	Diffuser Type	Matte Lens		
	Beam Angle (50%) (Tolerance : $\pm 15\%$)	90 Degree		
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz		
	PF (Tolerance : -3%)	≥ 0.9		
	THD (Tolerance : +5%)	$\leq 20\%$		
	Flicker Percent	$\leq 30\%$		
	Driver Brand	Tosmart		
	Driver Model	AST-CNB-100U-130V (Non-isolated driver)		
	Driver Surge protection	L/N-PE: 2kV, L-N: 2kV		
	Dimming	0-10V dimming (dimming scope 10-100%)		
	Sensor Type	Daylight Sensor,Occupancy Sensor,Multifunction Sensor		
	Optional Accessory	AC Motion Microwave sensor, AC Motion PIR sensor		
	MATERIALS	LED Brand	Lumileds	
LED Type		SMD 2835		
LED QTY		240 PCS		
Housing		IRON		
Housing Color		White, or Customized		
Waterproof Rating		DAMP (IP20)		
OTHERS	Operating Temperature	Without Motion Sensor: -30°C TO 50°C		
		With Motion Sensor: -30°C TO 50°C		
	Storage Temperature	-30°C TO 80°C		
	Operating Humidity	20% - 90% RH		
	Storage Humidity	10% - 95% RH		
Warranty	5 years			

PACKAGE Drop test: ISTA-3B

	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Outer box (No Sensor)	495*330*80 MM	1 PC	2.2KG/PC	3.0KG

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



LIGHT DISTRIBUTION TESTING PARAMETERS

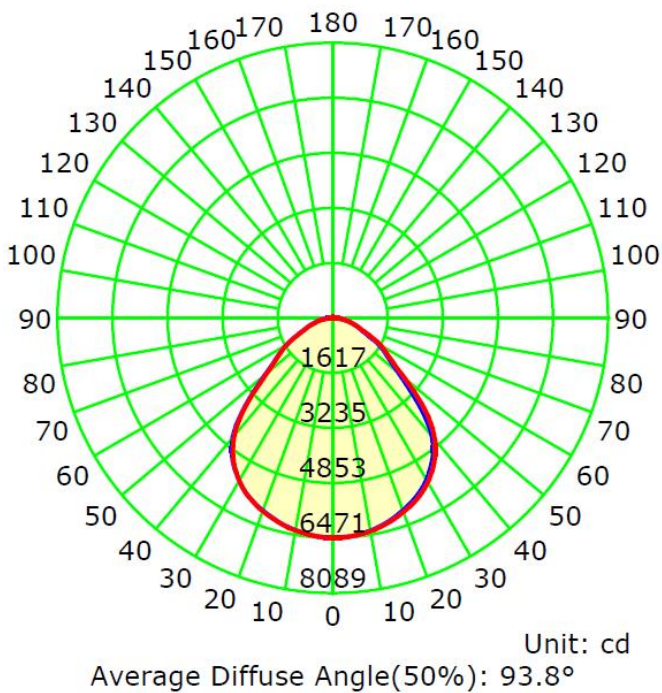
Photometric Results

CIE Class: Direct
 Measurement Flux: 15177.3 lm
 Downward Ratio: 99%
 Horizontal Diffuse Angle(50%): H93.3
 Vertical Diffuse Angle(50%): V94.3
 Luminaire Efficacy Rating (LER): 141.26
 Max. Intensity: 6471.79 cd
 S/MH(C0/C180): 1.26

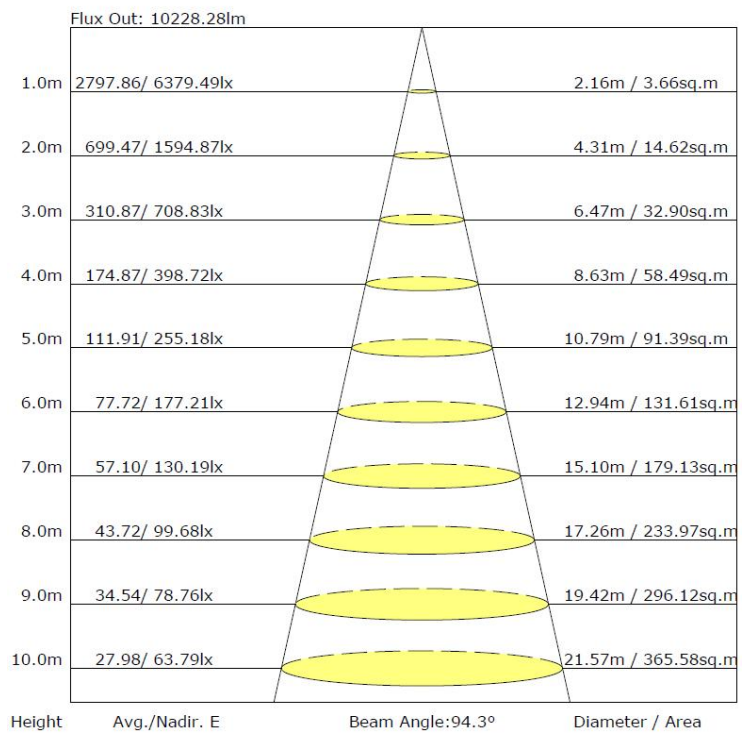
Total Rated Lamp Lumens: 15177.3 lm
 Efficiency: 100%
 Upward Ratio: 1%

C0r0 Intensity: 6465.75 cd
 Pos of Max. Intensity: H90 V1
 S/MH(C90/C270): 1.27

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



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

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.