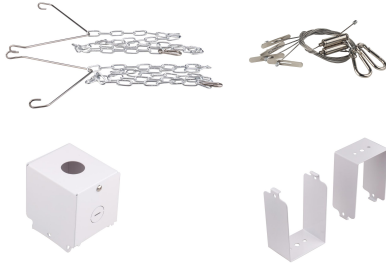


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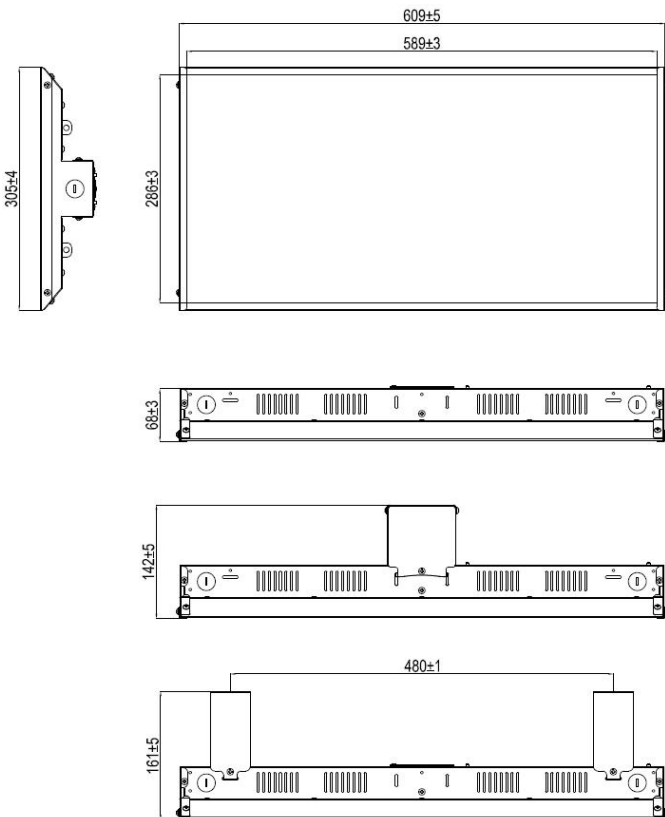
P/N: GT-LHBT-165WBMP-abe

Note:

GT= Company name;  
 LHBT= Product series, LED Linear High Bay Light;  
 165W= 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 otion Mircowave 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.

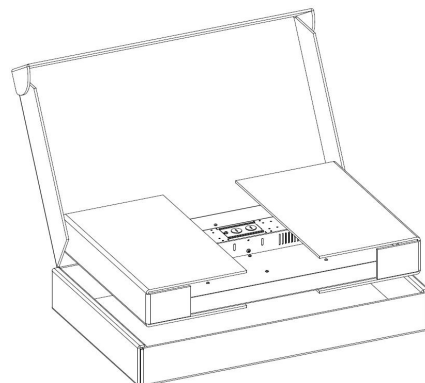
## SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : $\pm 10\%$ )	165W		
	Color Temperature	4000K	5000K	5700K
	Lumen (Tolerance : $\pm 10\%$ )	23035 LM	23250 LM	23358 LM
	Efficacy (Tolerance : $\pm 3\%$ )	140 LM/W	141 LM/W	141 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		
<b>ELECTRICAL</b>	Beam Angle (50%) (Tolerance : $\pm 15\%$ )	90 Degree		
	Input Voltage and Frequency	120-277VAC, 50/60Hz		
	PF (Tolerance : -3%)	$\geq 0.9$		
	THD (Tolerance : +5%)	$\leq 20\%$		
	Flicker Percent	$\leq 30\%$		
	Driver Brand	Tosmart		
	Driver Model	AST-CNB-150U-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		
<b>MATERIALS</b>	Optional Accessory	AC Motion Microwave sensor, AC Motion PIR sensor		
	LED Brand	Lumileds		
	LED Type	SMD 2835		
	LED QTY	300 PCS		
	Housing	IRON		
	Housing Color	White, or Customized		
<b>OTHERS</b>	Waterproof Rating	DAMP (IP20)		
	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)	660*330*90 MM	1 PC	2.8KG/PC	3.8KG

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

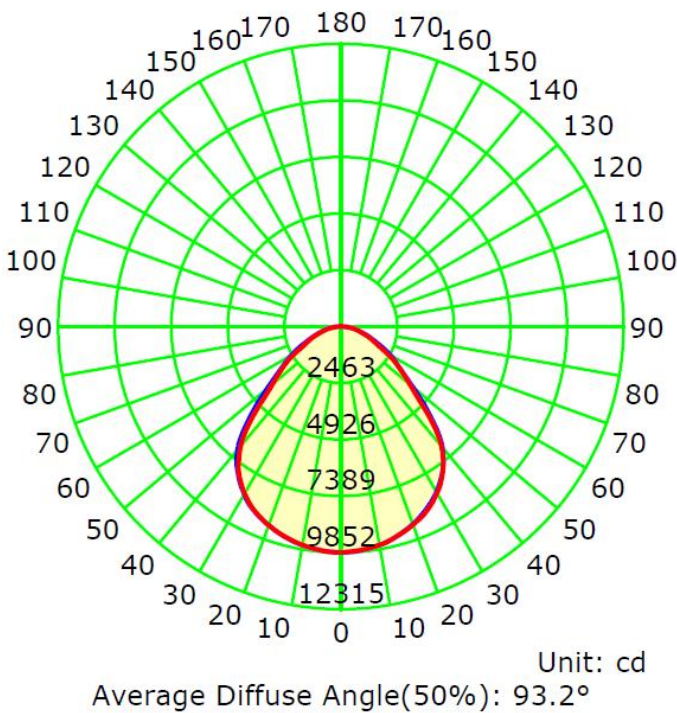


## LIGHT DISTRIBUTION TESTING PARAMETERS

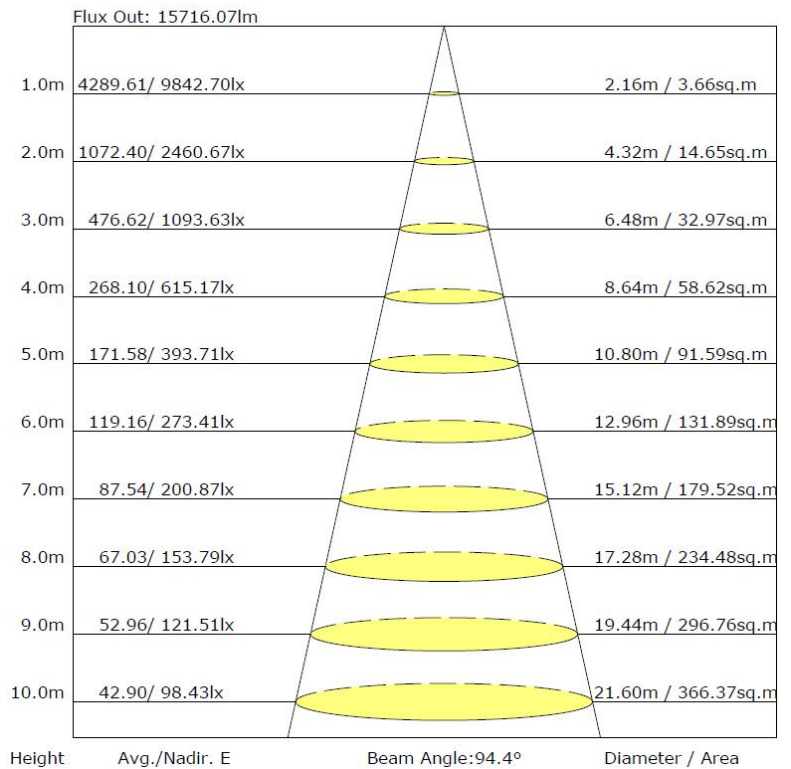
### Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 23035.1 lm
Measurement Flux: 23035.1 lm	Efficiency: 100%
Downward Ratio: 100%	Upward Ratio: 0%
Horizontal Diffuse Angle(10%,50%): H147.4,H94.4	
Vertical Diffuse Angle(10%,50%): V145.6,V92.1	
Luminaire Efficacy Rating (LER): 140.32	C0r0 Intensity: 9842.7 cd
Max. Intensity: 9852.38 cd	Pos of Max. Intensity: H247.5 V1
S/MH(C0/C180): 1.26	S/MH(C90/C270): 1.26

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.