



GREENTEK ENERGY SYSTEMS, LLC

www.GreentekEnergySystems.com

P/N: GT-PHB05-440WBMN4FT-abdf

Note:

GT= Company name;

PHB05 = Product series, LED Linear High Bay Light;

440W= Rating Power;

B= manufacturer of LED, Lumileds(2835);

M= Diffuser type, Matte Lens;

N=LED driver type;

4FT=Product length;

a=can be any two letters to represent lamp colors,
WH=White, or Customized;

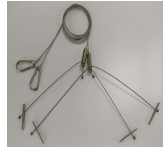
b=can be "AMS" or "APS" or "DMS" or "DPS" or blank for
AC/DC Motion Microwave sensor or AC/DC
Motion PIR sensor provided or not;

d= can be "EM" or blank for emergency driver provided or
not;

f= can be any digits for CCT, 40-57K
(40=4000K,45=4500K,50=5000K,57=5700K).



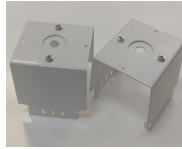
Type A



Type B



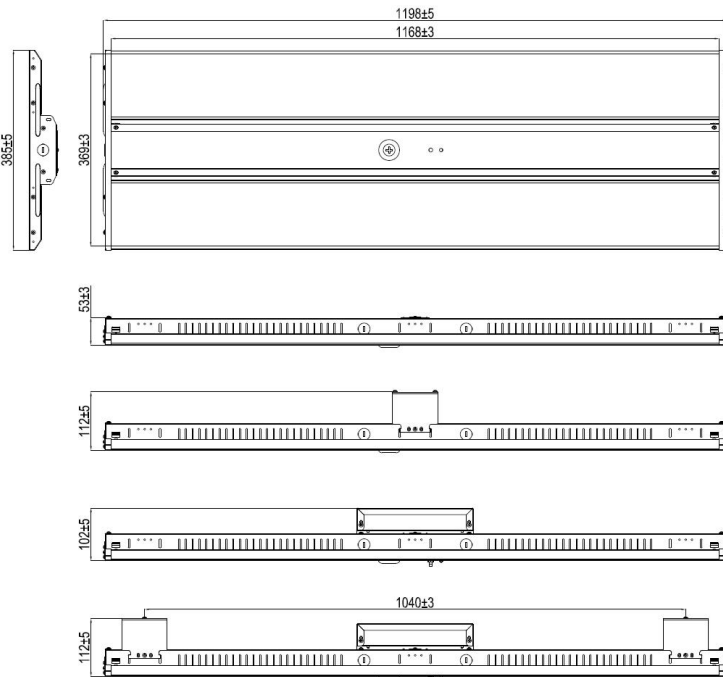
Type C



Type D



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.

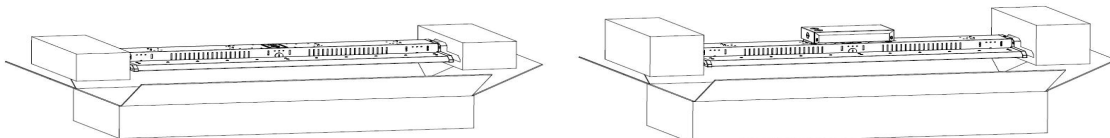
SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	440W
	Color Temperature	4000K, 4500K, 5000K, 5700K
	Lumen (Tolerance : -10%)	57000~61000 LM
	Efficacy (Tolerance : -3%)	133~137 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 : ±15%)	90 Degree	
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz
	PF (Tolerance : -3%)	≥0.9
	THD (Tolerance : +5%)	≤20%
	Flicker Percent	≤70%
	Driver Brand	DAERMAY
	Driver Model	MP-240T130A *2PCS (Non-isolated driver)
	Driver Surge protection	L/N-PE: 6kV, L-N: 6kV
	Dimming	0-10V dimming standard
	Optional Accessory	AC/DC Motion Microwave sensor, AC/DC Motion PIR sensor, 10KV/Surge protector, Emergency Power Supply(20W/90min)
MATERIALS	LED Brand	Lumileds
	LED Type	SMD 2835
	LED QTY	1980 PCS
	Housing	IRON
	Housing Color	White, or Customized
	Waterproof Rating	DAMP (IP20)
OTHERS	Operating Temperature	Without Motion Sensor and Emergency Power Supply: -30°C TO 50°C
		With Motion Sensor: -25°C TO 50°C
		With Emergency Power Supply: 0°C TO 50°C
	Storage Temperature	-40°C TO 80°C
	Operating Humidity	20% - 90% RH
	Storage Humidity	10% - 95% RH
Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25°C	

PACKAGE

	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Outer box (DC Sensor/ No Sensor)	1300*460*125 MM	1 PC	7.0KG/PC	8.7KG
Outer box(AC Sensor)	1440*460*130 MM	1 PC	7.3KG/PC	9.2KG
Outer box (Backup Driver)	1300*460*175 MM	1 PC	8.5KG/PC	10.4KG
Outer box (Backup Driver + AC Sensor)	1440*460*185 MM	1 PC	8.8KG/PC	10.8KG

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



LIGHT DISTRIBUTION TESTING PARAMETERS

Photometric Results

CIE Class: Direct

Measurement Flux: 60467.5 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 140.5, 142.4, 146.5, 146.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 85.9, 86.3, 85.8, 85.3

Luminaire Efficacy Rating (LER): 136.93

Max. Intensity: 29737.34 cd

S/MH(C0/C180): 1.22

Total Rated Lamp Lumens: 60467.5 lm

Efficiency: 100%

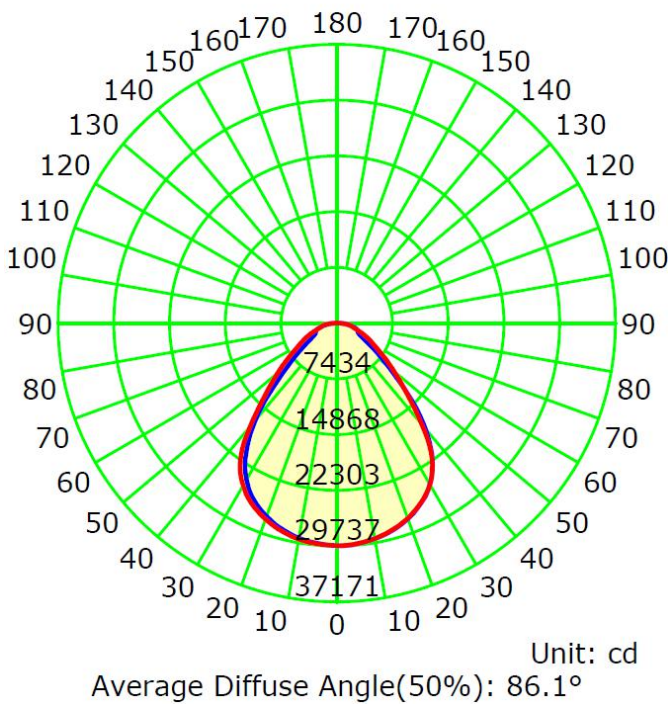
Upward Ratio: 0%

C0r0 Intensity: 29691.62 cd

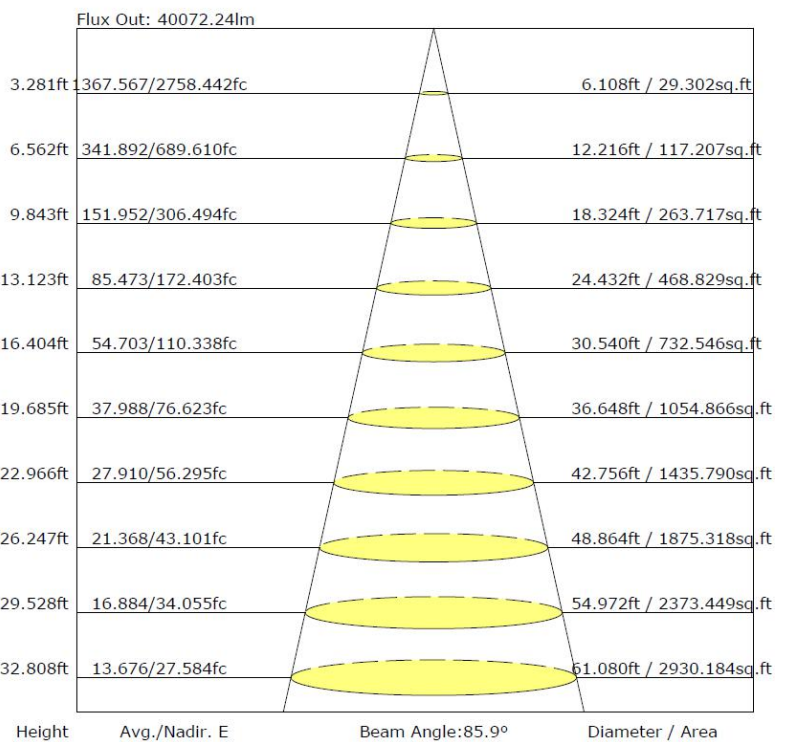
Pos of Max. Intensity: H337.5 V2

S/MH(C90/C270): 1.24

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.