



Project :

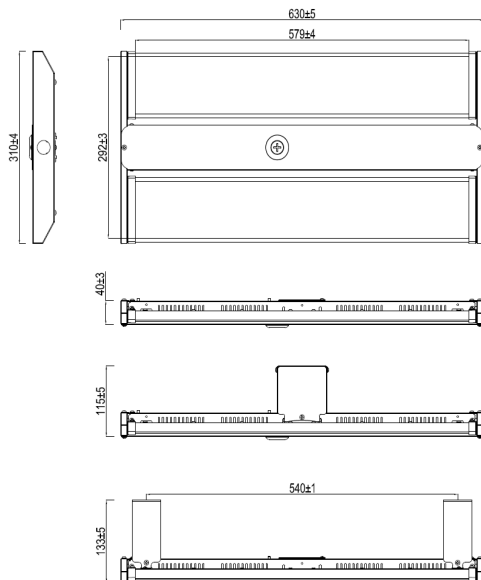
Type :

Part#:

LED Linear High Bay Light



DIMENSIONS



P/N: INS-LHB80E-110WXYZ1-abcd

Detail Specifications:

Note:

INS= Company name;

LHB80E = Product series, LED Linear High Bay Light;

110W= Rating Power;

B= manufacturer of LED, Lumileds(2835);

M= Diffuser type, Matte Lens;

BI= Driver manufacturer, BECKY(120-277VAC);

AI= Version number;

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

WH=White, or Customized;

b=can be "AMS"/ "DMS" or "APS"/ "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;

W= represents for Wattage adjustable;

f= can be any digits for CCT, 40/50K(40=4000K,50=5000K).

ADVANTAGE

- UL cUL DLC certificate.
- Lumileds Chip, high CRI.
- Input voltage 120-277VAC.
- Color tunable.
- Wattage adjustable.
- 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.



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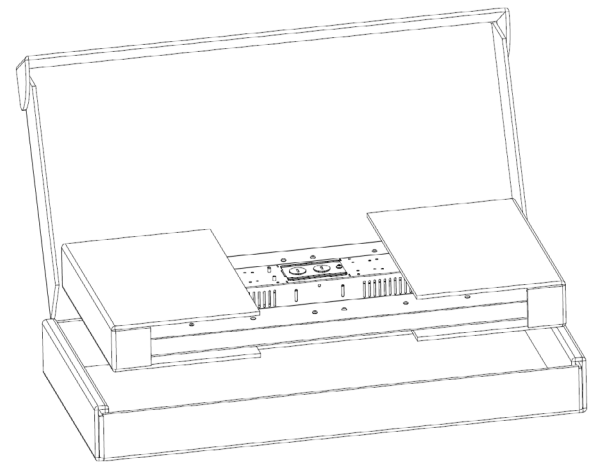
LED Linear High Bay Light

OPTICAL	Input Power (Tolerance : ±10%)	110W (Wattage adjustable range: 25%-100%)	
	Color Temperature (Color Tunable)	4000K	5000K
	Lumen (Tolerance : ±10%)	15074 LM @110W	15515 LM @110W
	Efficacy (Tolerance : ±3%)	139 LM/W @110W	140 LM/W @110W
	CRI	>80	
	Color Consistency	<7 Steps (or <7 SDCM)	
	UGR	<26 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)	
	Diffuser Type	Matte Lens	
Beam Angle (50%) (Tolerance	90 Degree		
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz	
	PF (Tolerance : -3%)	≥0.9	
	THD (Tolerance : +5%)	≥0.9	
	Flicker Percent	≤5%	
	Driver Brand	BECKY	
	Driver Model	BQE120B-130-PVF-AUX (Non-isolated driver)	
	Driver Surge protection	L/N-PE: 6kV, L-N: 6kV	
	Dimming	0-10V dimming (dimming scope 0-100%)	
	Sensor Type	Input Voltage and Frequency	
	Optional Accessory	AC/DC Motion Microwave sensor, AC/DC Motion PIR sensor,	
MATERIALS	LED Brand	Lumileds	
	LED Type	SMD 2835	
	LED QTY	330 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: -30°C TO 50°C	
		With Emergency Power Supply: 0 °C TO 50 °C	
	Storage Temperature	-30 °C TO 80 °C	
	Operating Humidity	20 °C- 90 °C RH	
	Storage Humidity	10 %- 95 % RH	
	Warranty	5 years	

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	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Outer box (No Sensor/ DC Sensor)	680*330*65 MM	1 PC	2.6KG/PC	3.6KG

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



LIGHT DISTRIBUTION TESTING PARAMETERS

Photometric Results

CIE Class: Direct

Measurement Flux: 15074.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(10%,50%): H145.5,H87.7

Vertical Diffuse Angle(10%,50%): V142.1,V100.4

Luminaire Efficacy Rating (LER): 139.00

Max. Intensity: 6555.61 cd

S/MH(C0/C180): 1.27

Total Rated Lamp Lumens: 15074.7 lm

Efficiency: 100%

Upward Ratio: 0%

C0r0 Intensity: 6513.11 cd

Pos of Max. Intensity: H22.5 V3

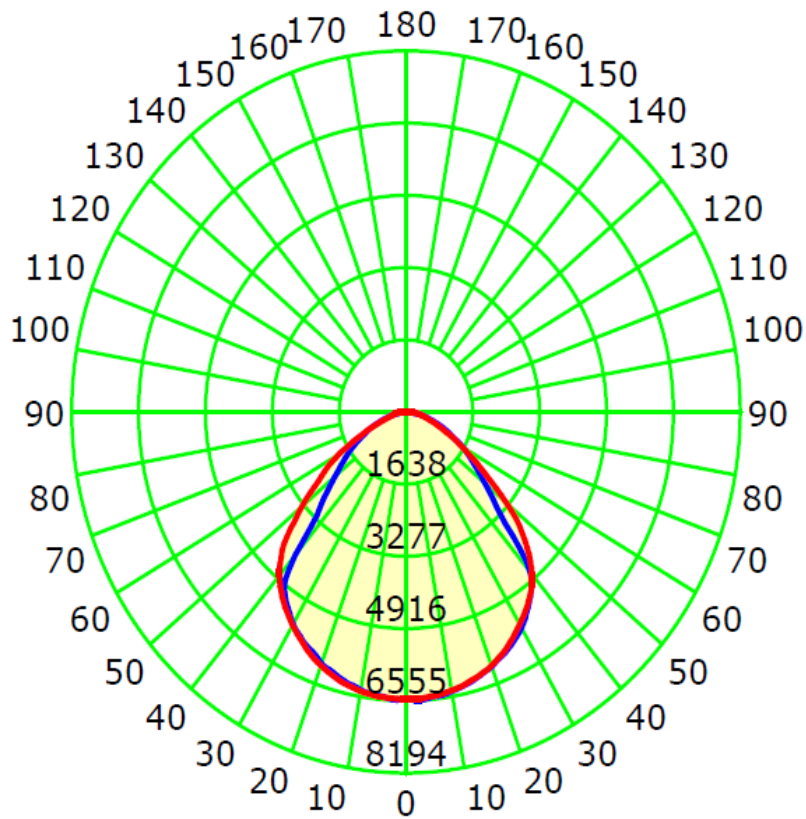
S/MH(C90/C270): 1.27

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.
Flickering of the light	Please check the connection.

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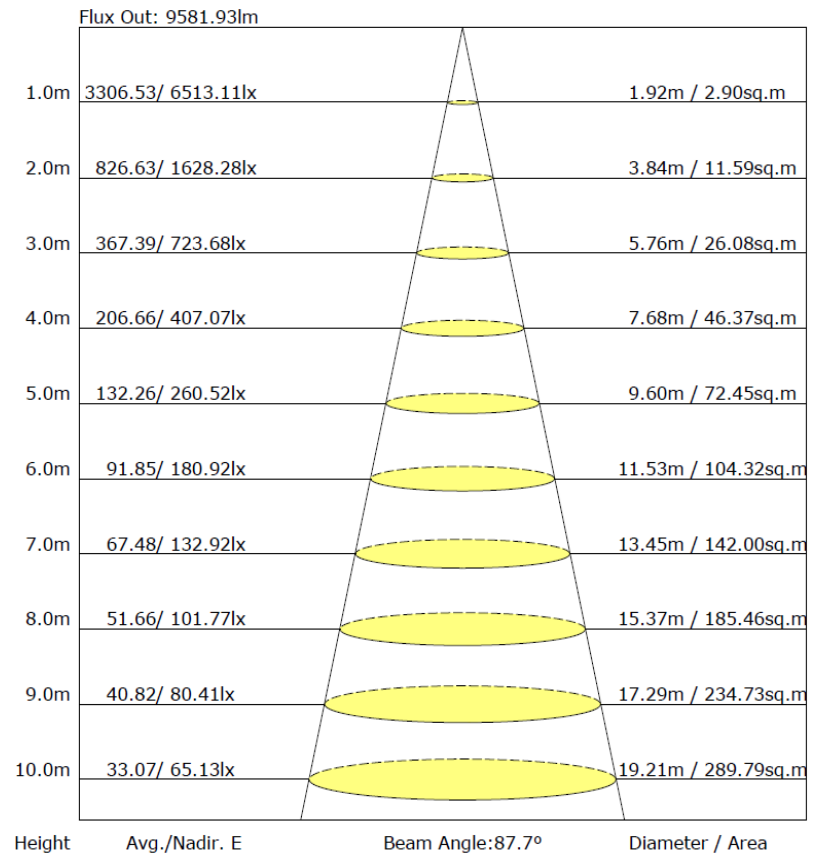
Luminous Intensity Distribution Curve



Unit: cd
Average Diffuse Angle(50%): 94.0°

— C0-C180 — C90-C270

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.