

Project:	
Location:	
Model#: LHB-15L-WS-3CS-35K	Type:
Client:	Qty:
Prepared by:	Date:

SERIES SPECIFICATIONS

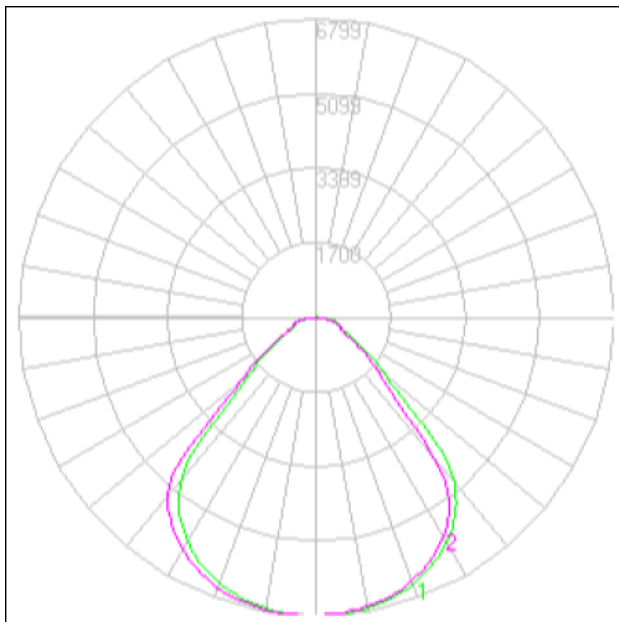


The LHB series linear high bay is designed with contractor requirements with many installation situations considered. It features a built in Z10 socket, allowing for 4-pin twist-lock sensors to be used with the fixture along with color and wattage selections. Available in multiple wattage and lumen packages the LHB is ideal for manufacturing, warehousing, commercial, and industrial applications and boasts a quick-change lenses design, allowing you to swap lenses in the field without the need for tools. It also has optional Emergency operation and surface mount kits available.

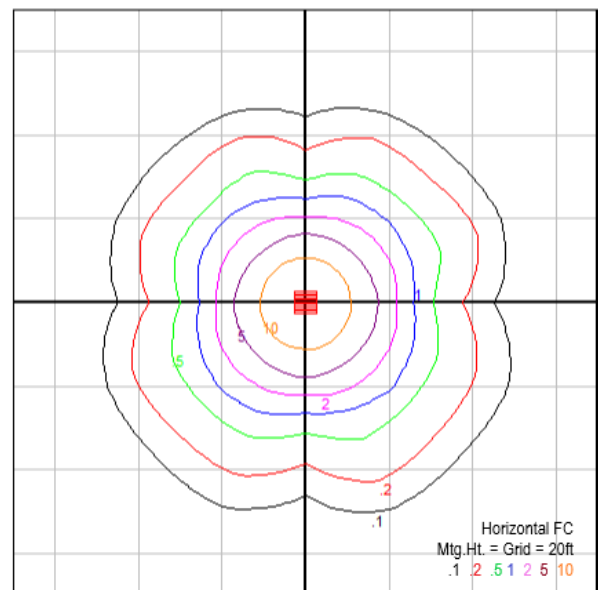


PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart



Isolux Diagram





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Zonal Lumen Summary

Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens
0-10	645.35	30-40	3394.6	60-70	1016.1	90-100	1.71	120-130	5.18	150-160	6.94
10-20	1871.3	40-50	2598	70-80	515.31	100-110	2.34	130-140	6.54	160-170	5.25
20-30	2876.9	50-60	1648.1	80-90	158.3	110-120	3.65	140-150	7.5	170-180	2.14

Total Initial Lumen Output; 14765.2 lm at; 100W, 4000K

Co-efficient of Utilization

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	103	100	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	68	64	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	54	49	60	54	48	59	53	48	57	52	48	46
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37
9	61	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	35	34
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	36	32	31

Initial Lumen Output: 15,000 lm

Beam Angle: 90°

Spacing Criteria: 1.28 mtg hgt, 1.28 mtg hgt

Ambient Operating Temp: -40°C ~ 50°C / -40°F ~ +122°F

CCN Number: IFAM-7

Efficacy: 135 lm/W

Field Angle: 125°

Environmental Rating(s): IP20

Certification Standards: cULus, DLC Premium

Limited Product Warranty: 5 years

CBCP: 6,688 CD

Luminaire Type: Suspended, Direct

UL Classification: Damp Location

DLC Number: S-56W177

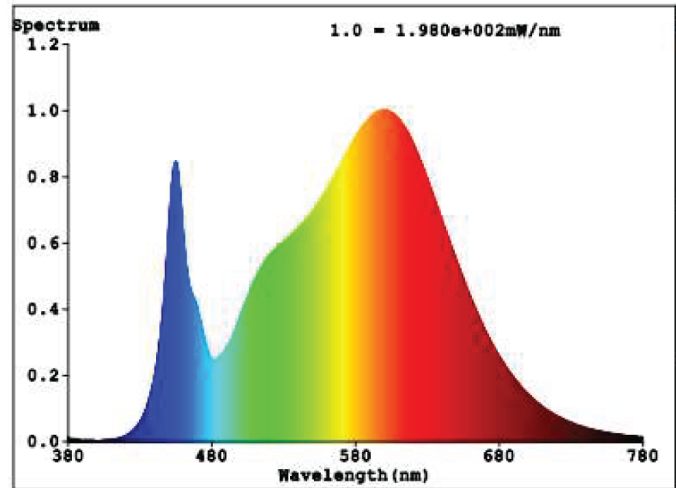
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LED SPECIFICATIONS

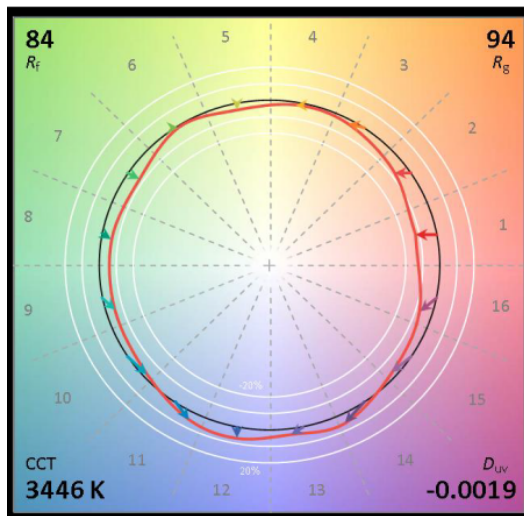
R Tables

R1	83	R9	8
R2	93	R10	84
R3	94	R11	80
R4	80	R12	68
R5	83	R13	86
R6	91	R14	98
R7	81	R15	76
R8	60	-	-

SPD



TM-30



Source Type: LED

Rg: 94

L90: >48,000 Hrs

Colour Tolerance: $\pm 300K$

CRI: > 80

L70: >54,000 Hrs

Colour Temperature: 3500K

Duv: -0.0019

Rf: 84

L80: >54,000 Hrs

Chromaticity: $x=0.4063$ $y=0.3869$



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ELECTRICAL SPECIFICATIONS

Input Voltage: 120-347Vac
Current Draw at 120Vac: 0.874
Auxiliary Control: 12Vdc
THD at 120Vac(%): 3.09
Dimming: 0-10Vdc
Driver Certifications: cRUus

Input Frequency: 50/60Hz
Current Draw at 347Vac: 0.328
Power Factor at 120Vac: 0.999
THD at 347Vac(%): 12.07
Over Temperature Protection: Auto recovery. The output recovers when the temperature returns to normal.

Fixture Draw: 105W; 90W; 70W (WS)
Max On-Delay: < 1.000 S
Power Factor at 347Vac: 0.902
Max Operating Case Temperature: 055 °C
Short Circuit Protection: Auto recovery. The output recovers when short is removed.

OCCUPANCY SENSOR INFORMATION

Sensor Type: Zhaga Z10 Socket built-in.
Sensor and programmer extra

Programing Type: PIR

PHYSICAL SPECIFICATIONS

Finish Colour: White
Housing Material: Aluminium
Weight: 12.540 Kg / 5.693 Lbs

Finish Type: Powder Coat
Lens Material: Polycarbonate (PC)
Entries: 5 @ 3/4"

Mounting: Suspended, Direct
Lens Type: Prismatic 90° X 90°

SHIPPING INFORMATION

OrderingCode(s): LHB-15L_WS-3CS; Options ordered seperately

Box Weight: 12.540 Kg / 5.693 Lbs

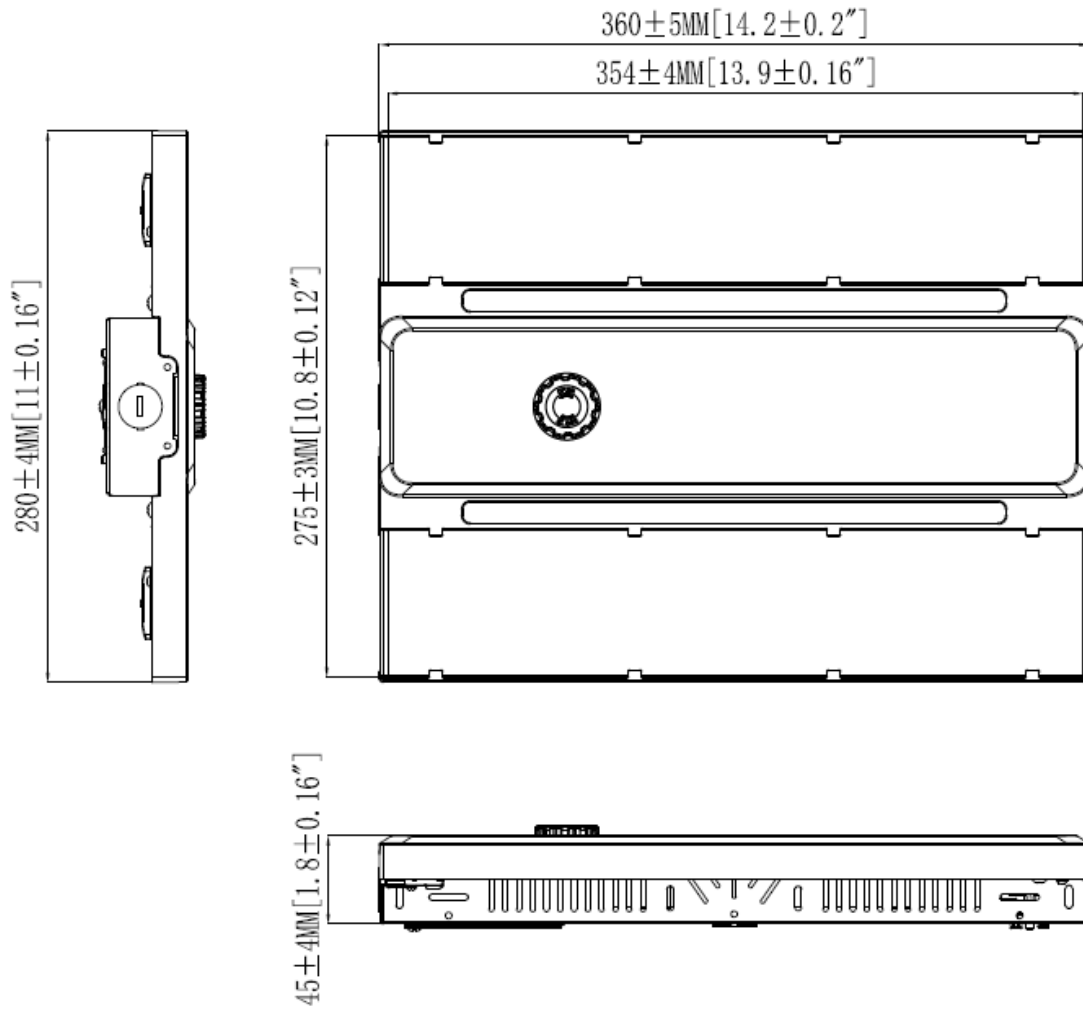
Box Quantity: 1

Box Dimensions (L-W-H): 380.0 x 300.0 x 70.1 mm / 14.960 x 11.810 x 2.760 in.

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LINE DRAWING

Line Drawings





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SERIES ARCHITECTURE

Series Architecture

EXAMPLE; LHB-15L-WS-3CS

SERIES	LUMENS	WATTAGE	COLOUR TEMP
LHB	[-15L] : 15,000 Lumens Max	[-WS] : 105/90/70W	[-3CS]: 3500K/4000K/5000K
	[-22L] : 22,000 Lumens Max	[-WS] : 155/130/105W	
	[-30L] : 30,000 Lumens Max	[-WS] : 215/180/160W	

The LHB comes standard with a 10ft Y-Toggle suspension cable kit. Fixtures can be surface mounted using the LHB-SMK surface mount kit (Sold Separately).

Options	Part Number	Description	Note
	LHB-45X90-LG	Aisle Lighting Lense. (Large)	Field Installed
	LHB-45X90-SM	Aisle Lighting Lense. (Small)	Field Installed
	LHB-EM		Field Installed
	LHB-SMK		Field Installed

Optional Extras: Z10-IROC-DIM; Z10-IROC-REMOTE