

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

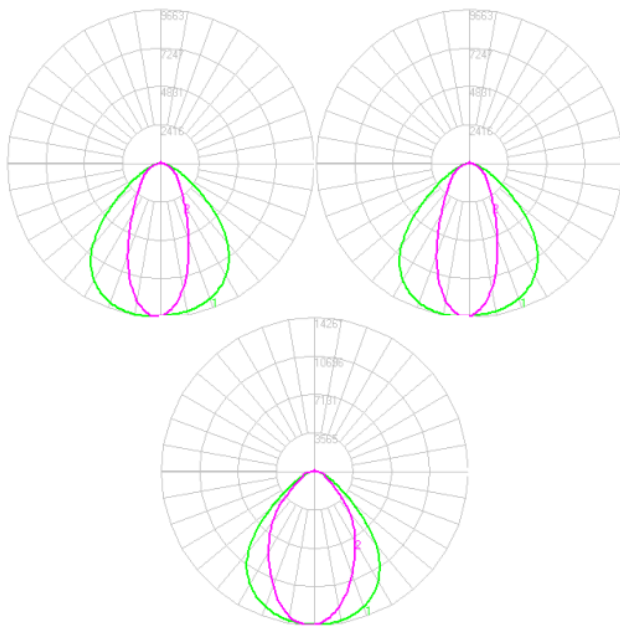
SERIES SPECIFICATIONS

The LHB SO series is the ideal high bay for manufacturing, warehousing, commercial and industrial applications. The series features a built in Z10 sensor receptacle, allowing for 4 pin sensors to be used with the fixture along with color, wattage and optics selections.

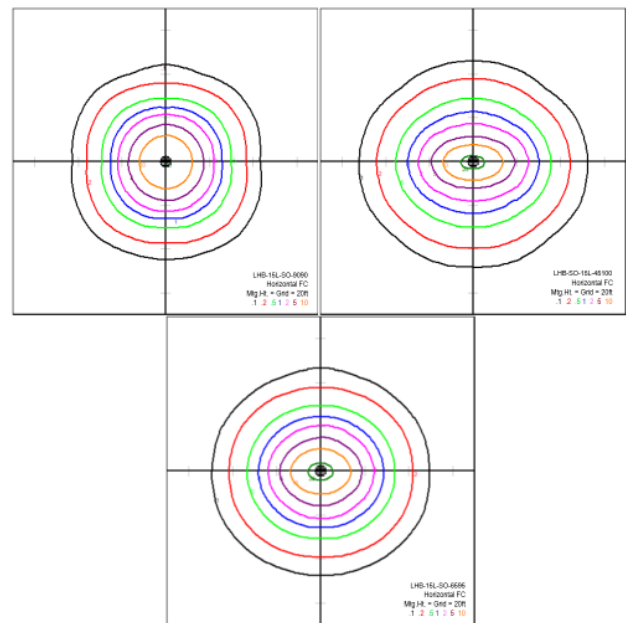


PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart



Isolux Diagram



Zonal Lumen Summary

Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens
0-10	758.5	30-40	3604.23	60-70	646.47	90-100	4.81	120-130	21.55	150-160	24.88
10-20	2170.62	40-50	2693.29	70-80	345.71	100-110	7.55	130-140	26.54	160-170	18.16
20-30	3246.29	50-60	1305.32	80-90	68.58	110-120	14.23	140-150	27.86	170-180	6.98

Total Initial Lumen Output; 14991.57 lm



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Co-efficient of Utilization

RC RW	80				70				50			30		
	70	50	30	10	70	50	30	10	50	30	10	50	30	10
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35
8	60	46	38	32	58	45	37	31	44	37	31	43	36	31
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28
10	52	39	31	26	51	38	31	26	37	30	26	37	30	25

Initial Lumen Output: 14,992lm

Beam Angle: 90°

Spacing Criteria: 1.24(0-180), 1.20(90-270)

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

Limited Product Warranty: 5 years

Efficacy: 146lm/W

Field Angle: 125°

Environmental Rating(s): IP20

Certification Standards: cULus

CBCP: 8,018cd

Luminaire Type: Suspended, Direct

UL Classification: Damp Location Listed

CCN Number: IFAM-7

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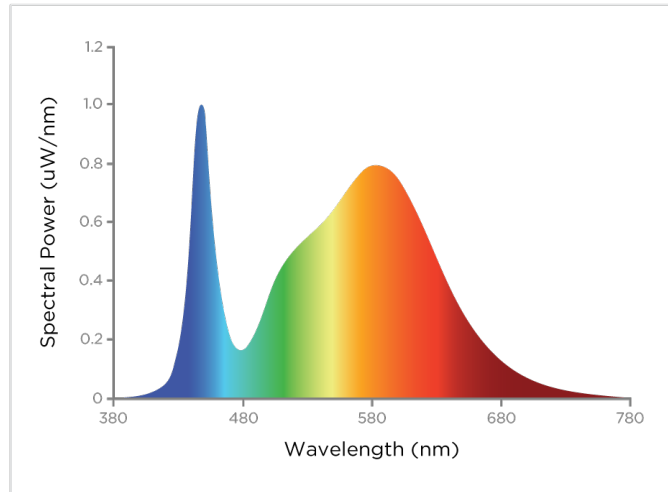
LED SPECIFICATIONS

R Tables

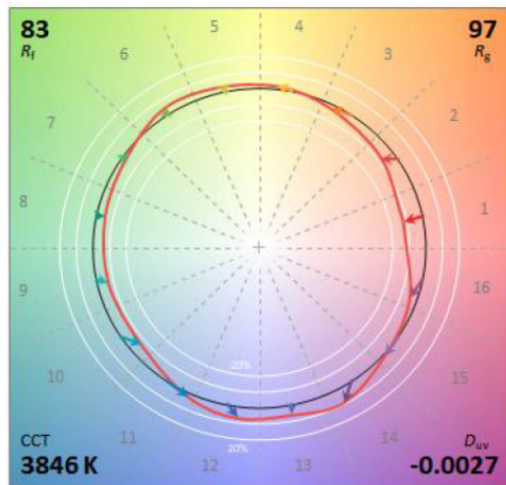
R1	80
R2	87
R3	92
R4	82
R5	81
R6	82
R7	86
R8	65

R9	3
R10	69
R11	81
R12	58
R13	82
R14	96
R15	75
Ra	82

SPD



TM-30



Source Type: LED
 Rg: 97
 L90: >48,000 Hrs
 Colour Tolerance: ±300K

CRI: > 80
 L70: >54,000 Hrs
 Colour Temperature: 3500K/4000K/5000K
 Duv: -0.0021

Rf: 83
 L80: >54,000 Hrs
 Chromaticity: x=0.3764 y=0.3699 (4000K)



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ELECTRICAL SPECIFICATIONS

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

Input Frequency: 50/60 Hz
Current Draw at 347Vac: 00.3026A
Power Factor at 120Vac: > 0.95
THD at 347Vac(%): 12.07
Over Temperature Protection: Auto recovery. The output recovers when the temperature returns to normal.

Fixture Draw: 105; 90; 70W (S)
Max On-Delay: <1s
Power Factor at 347Vac: > 0.952
Max Operating Case Temperature: 55°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: Painted Steel
Weight: 3.00 kg / 6.60 lbs

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

Mounting: Suspended, Direct
Lens Type: 90°x90°/45°x100°/65°x95° (S)

SHIPPING INFORMATION

OrderingCode(s): 0630-5613 - LHB-15L-WS-3CS-SO-WRV

Box Weight: 3.00 kg / 6.60 lbs

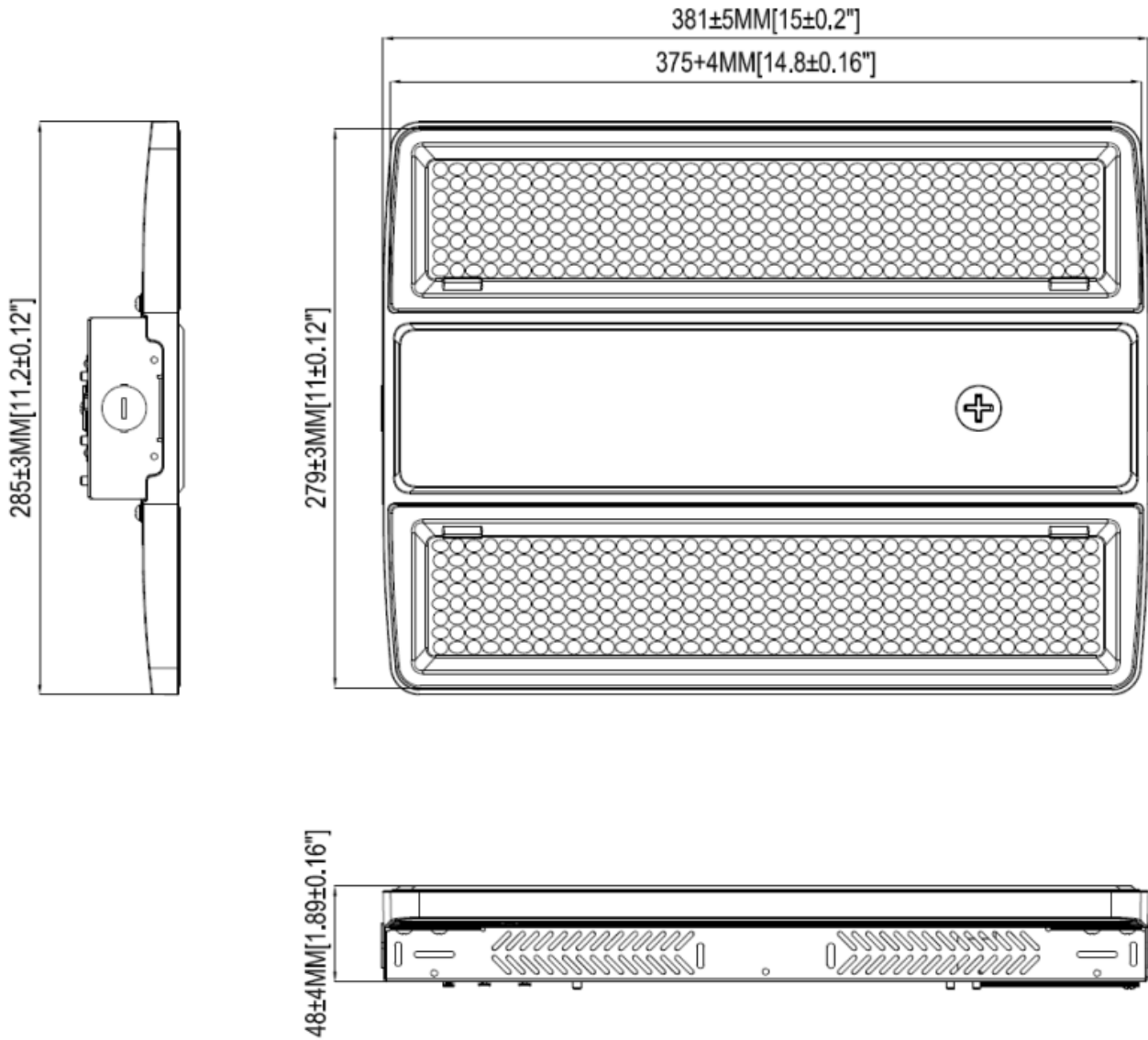
Box Quantity: 1

Box Dimensions (L-W-H): 401.32 X 304.8
X 94.996 mm / 15.8 X 12 X 3.74 in

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LINE DRAWING

Line Drawings





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SERIES ARCHITECTURE

Series Architecture

SERIES	LUMEN PACKAGE	WATTAGE	COLOUR TEMP	OPTICS	VOLTAGE
LHB(SO)	[-15L] : 15,000 Lumens Max.	[-WS] : 105/90/70W	[-3CS] 3500K/4000K/5000K	[-SO] 90X90.45X100,65X95	[-WRV] : 120-347Vac
	[-23L] : 23,000 Lumens Max.	[-WS] : 160/130/105W			
	[-35L] : 35,000 Lumens Max.	[-WS] : 240/180/160W			

SERIES	SIZE	OPTICS	3500K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
LHB	15L	90x90	14,420	139	14,992	146	14,816	107
		45x100	14,147	135	14,280	140	13,861	131
		65x95	15,055	150	15,609	157	15,375	151

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