

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

SERIES SPECIFICATIONS

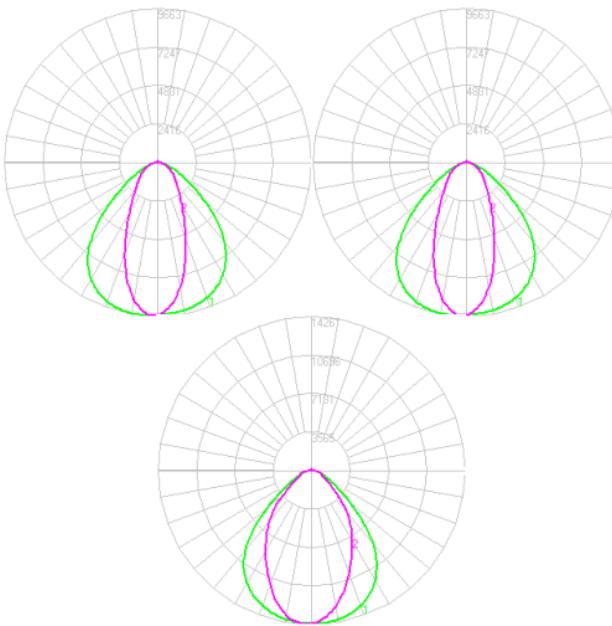


The LHB SO series is the ideal high bay for manufacturing, warehousing, commercial and industrial applications. The series features a built in Z10 sensor receptacle, allowing for 4 pin sensors to be used with the fixture along with color, wattage and optics selections.

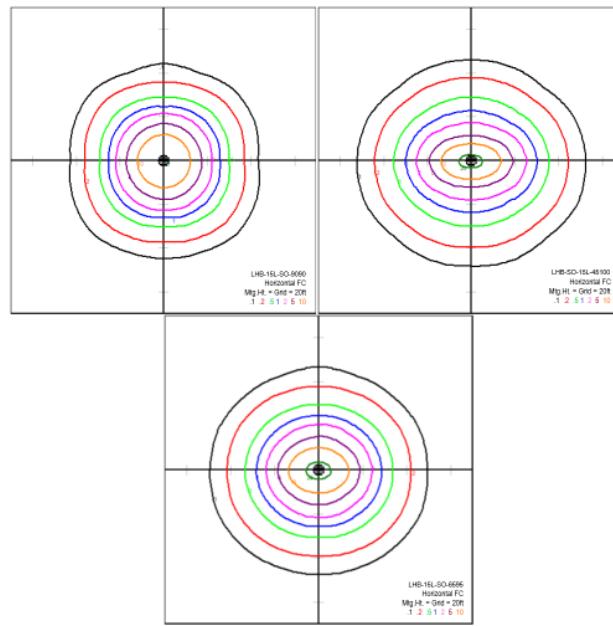


PERFORMANCE SPECIFICATIONS

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

Co-efficient of Utilization

RC	80				70				50				30		
	RW	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

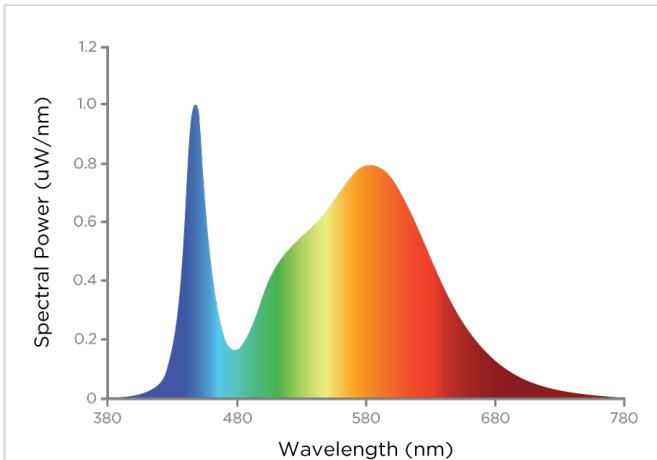
LED SPECIFICATIONS

R Tables

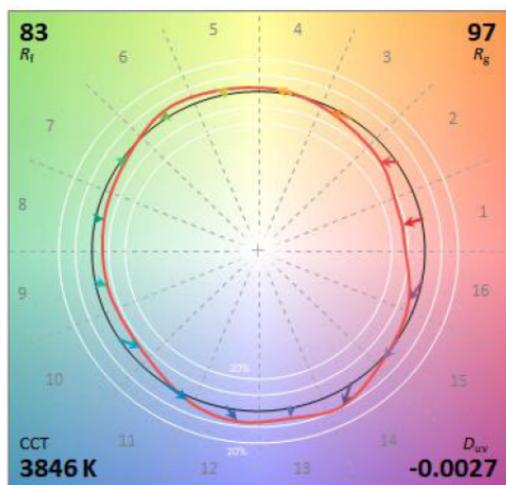
R1	80
R2	87
R3	92
R4	82
R5	81
R6	82
R7	86
R8	65

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: $\pm 300\text{K}$

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)

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: cRUs

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: 55oC

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

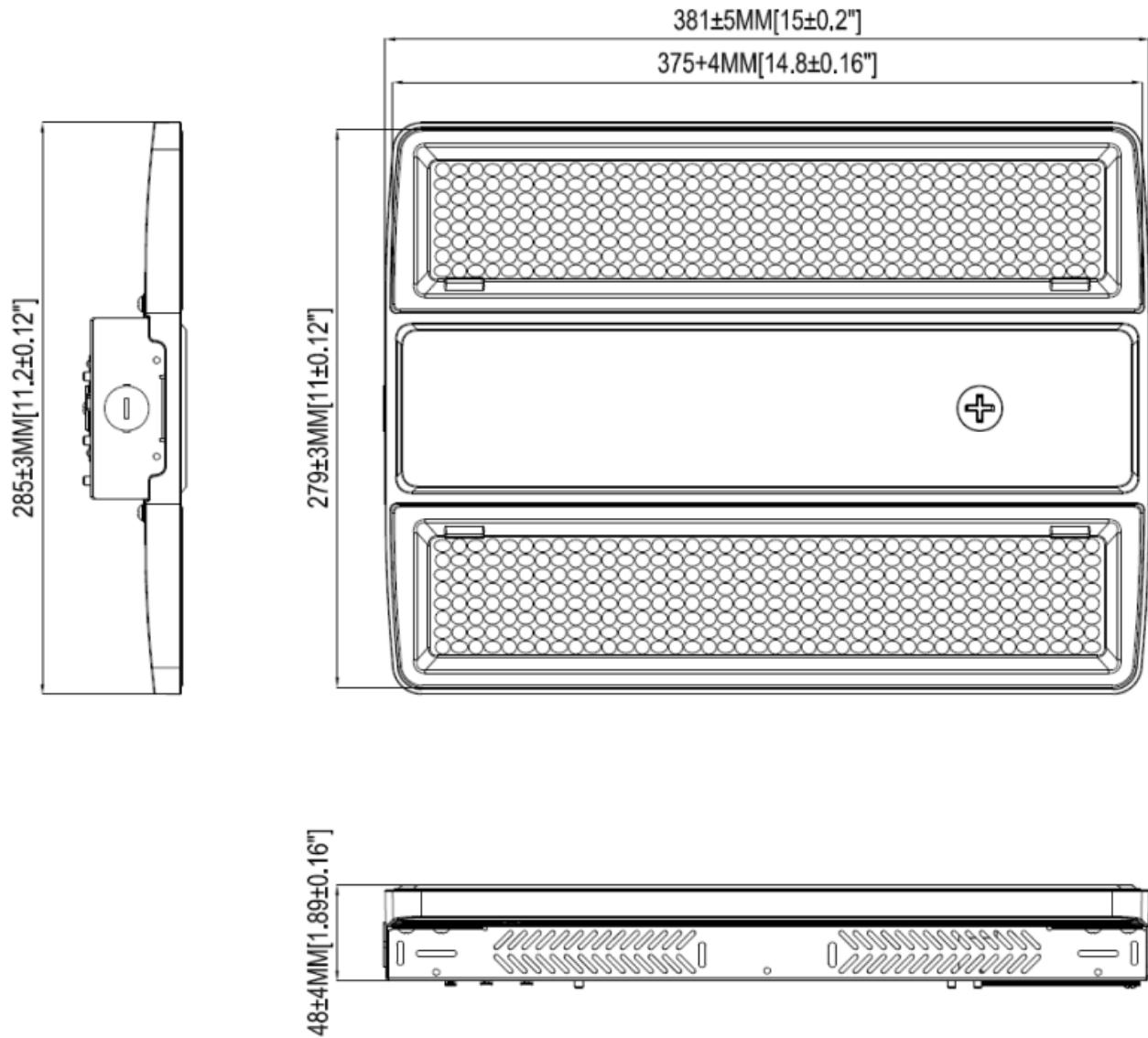
Box Quantity: 1

Box Dimensions (L-W-H): 401.32 X 304.8

X 94.996 mm / 15.8 X 12 X 3.74 in

LINE DRAWING

Line Drawings



SERIES ARCHITECTURE

Series Architecture

SERIES	LUMEN PACKAGE	WATTAGE	COLOUR TEMP	OPTICS	VOLTAGE
LHB(S0)	[-15L] : 15,000 Lumens Max.	[-WS] : 105/90/70W	[-3CS] 3500K/4000K/5000K	[-SO] 90X90.45X100,65X95	[-WRV] : 120-347Vac
	[-22L] : 22,000 Lumens Max.	[-WS] : 160/130/105W			
	[-35L] : 36,000 Lumens Max.	[-WS] : 215/180/160W			

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