



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

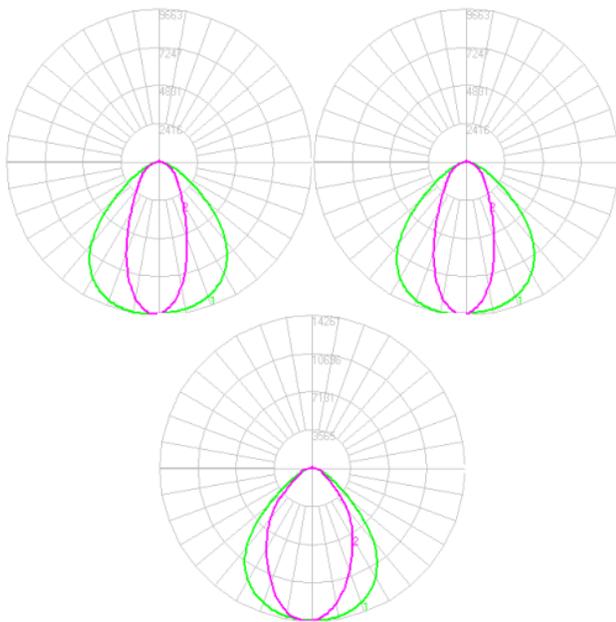
**SERIES SPECIFICATIONS**

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.

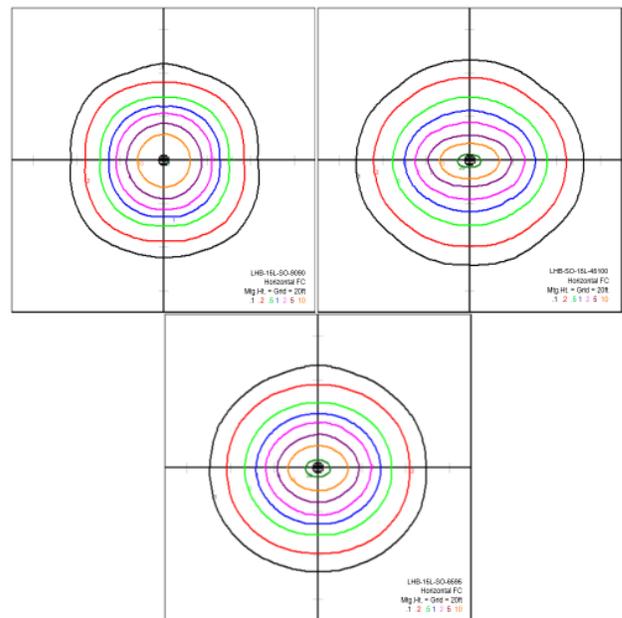


**PERFORMANCE SPECIFICATIONS**

**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



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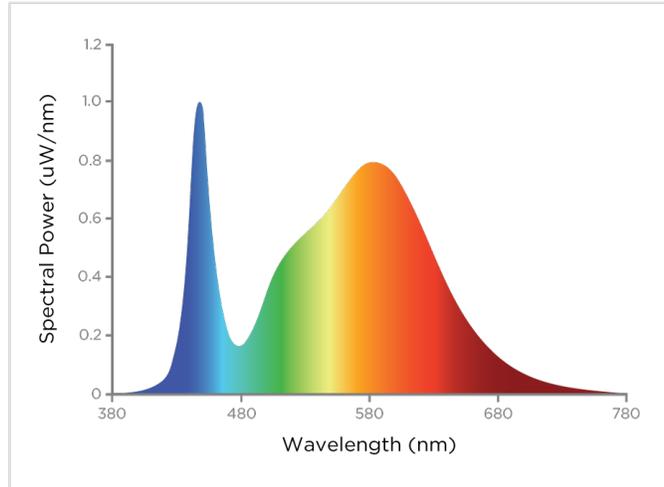
## LED SPECIFICATIONS

### R Tables

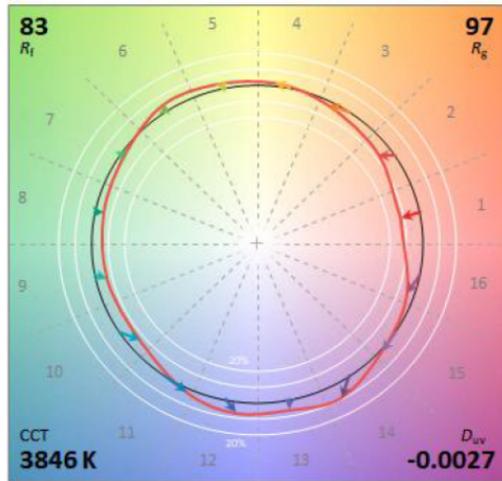
<b>R1</b>	80
<b>R2</b>	87
<b>R3</b>	92
<b>R4</b>	82
<b>R5</b>	81
<b>R6</b>	82
<b>R7</b>	86
<b>R8</b>	65

<b>R9</b>	3
<b>R10</b>	69
<b>R11</b>	81
<b>R12</b>	58
<b>R13</b>	82
<b>R14</b>	96
<b>R15</b>	75
<b>Ra</b>	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:** 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

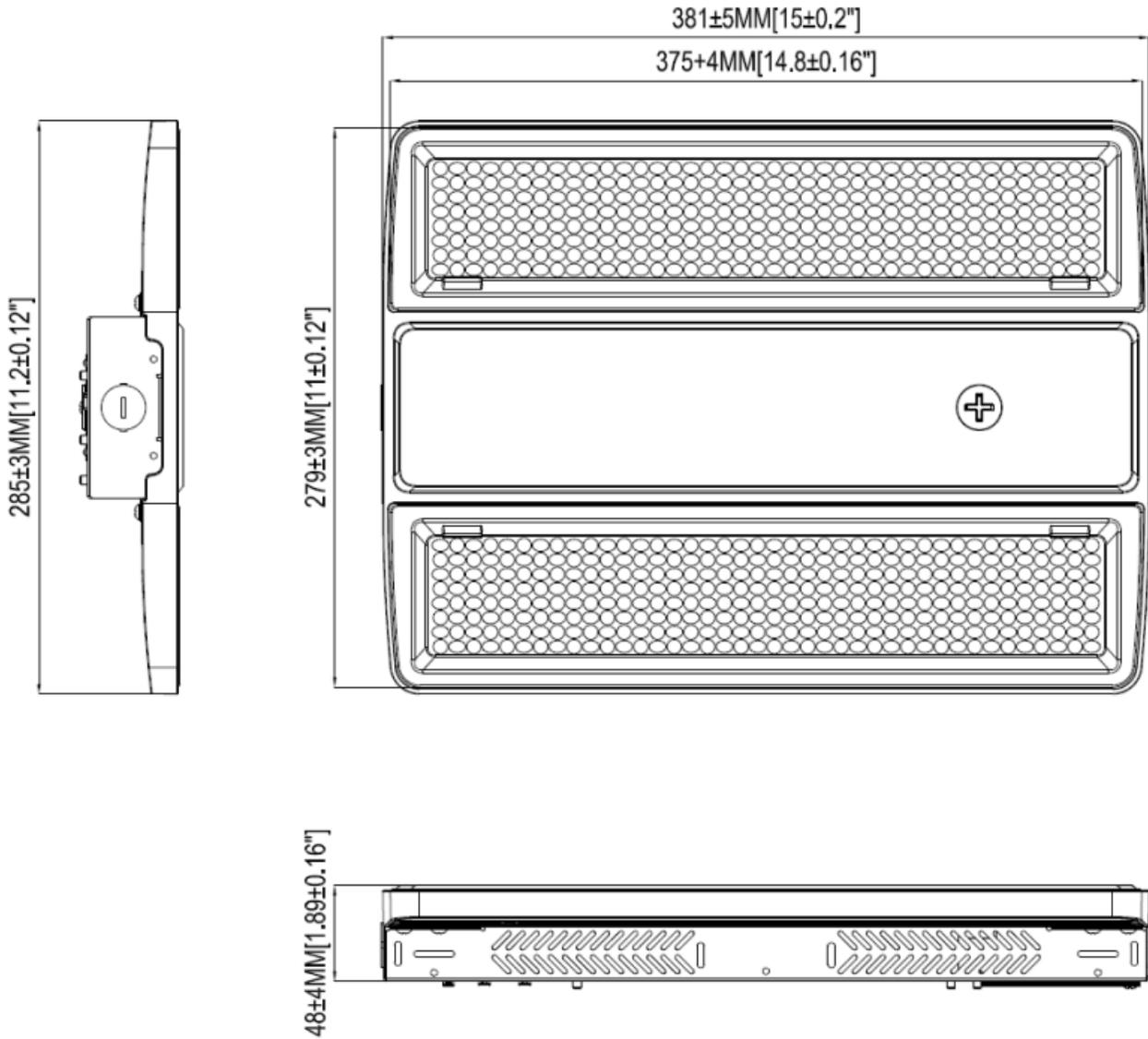
**Box Quantity:** 1

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

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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(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