

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

SERIES SPECIFICATIONS

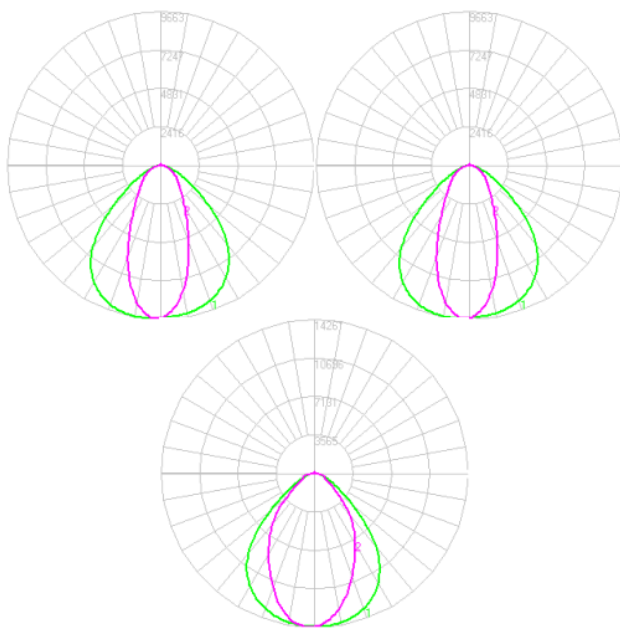


The LHB SO series is the ideal high bay for manufacturing, warehousing, commercial and industrial applications. The series features a built in Z10 sensor receptacle, allowing for 4 pin sensors to be used with the fixture along with color, wattage and optics selections.

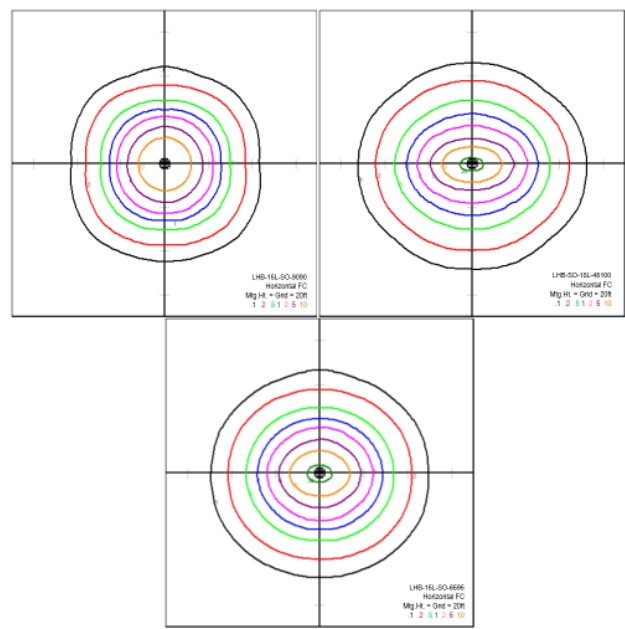


PERFORMANCE SPECIFICATIONS

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

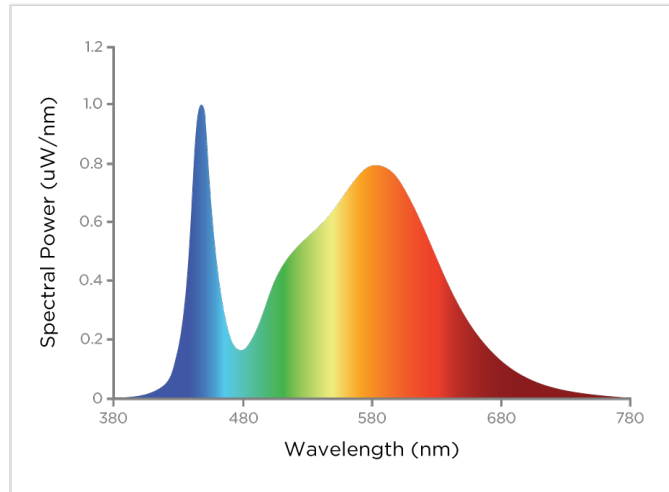
LED SPECIFICATIONS

R Tables

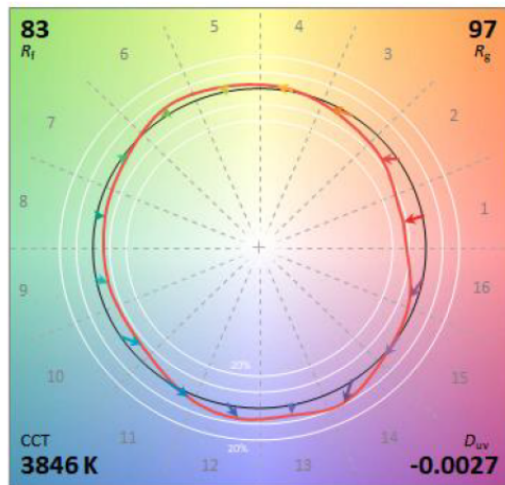
| | |
|-----------|-----------|
| R1 | 80 |
| R2 | 87 |
| R3 | 92 |
| R4 | 82 |
| R5 | 81 |
| R6 | 82 |
| R7 | 86 |
| R8 | 65 |

| | |
|------------|-----------|
| 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: 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

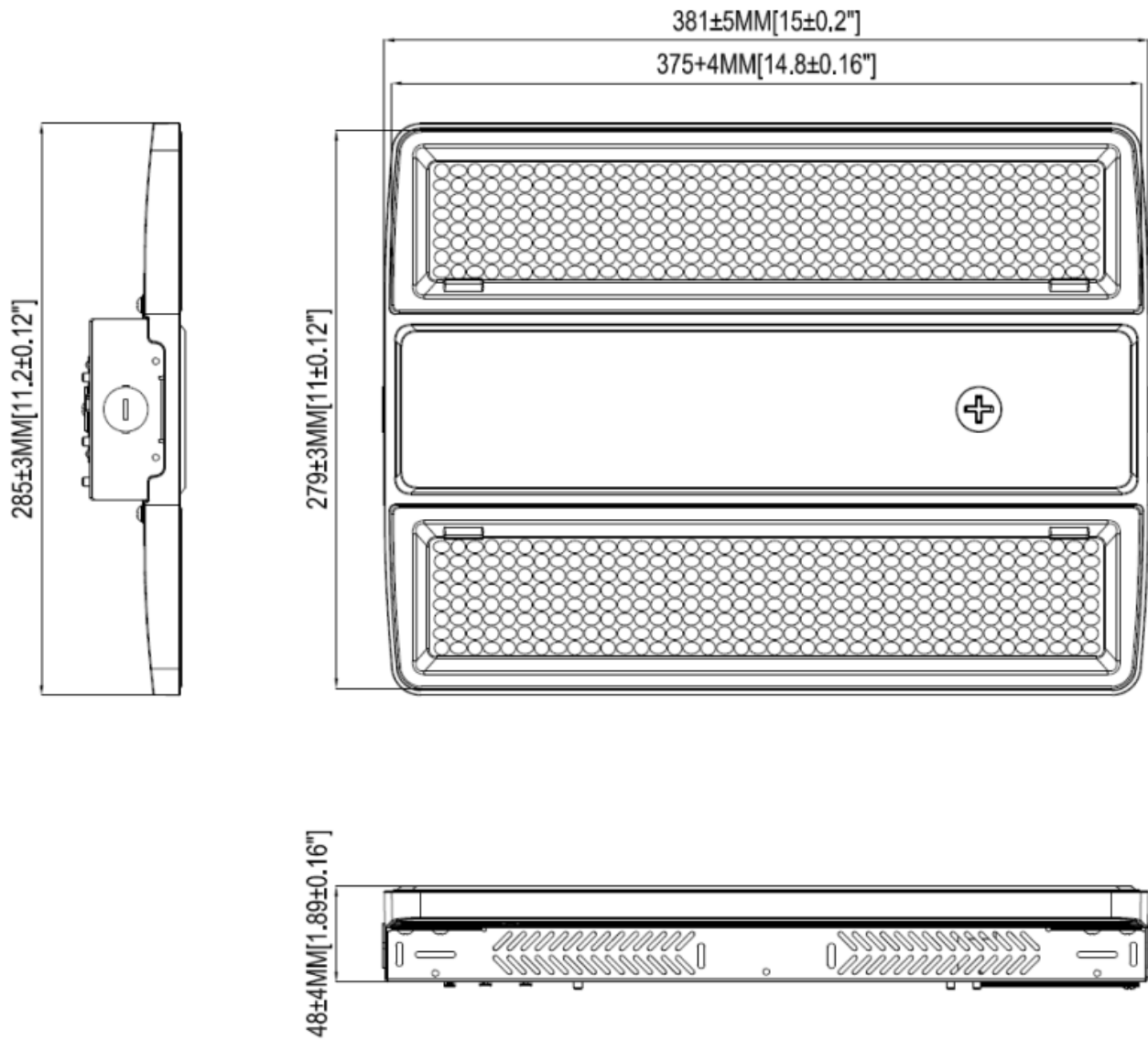
Box Weight: 3.00 kg / 6.60 lbs

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

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