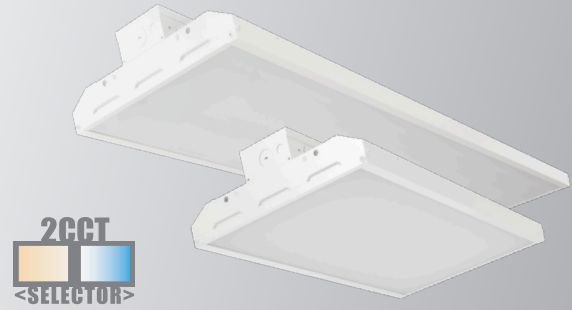


|                 |               |       |       |       |
|-----------------|---------------|-------|-------|-------|
| Catalog Number: | Project Name: | Note: | Date: | Type: |
|-----------------|---------------|-------|-------|-------|

Portor's Next Generation LED Linear High Bay provides high performance efficient and quality light output. Perfect for high ceiling commercial application. Portor can also provide in-house installation solution for accessories such as for Motion Sensor or Emergency Battery Back-up. Saving additional labor cost and installation lead time.

Ideal use for commercial application such as large warehouse, parking/storage garage, gymnasium and retail stores with high ceiling.



**CONSTRUCTION**

Sleek slim design high bay with durable and solid form factor frame. Made out of quality aluminum alloy body with white finish.

**ELECTRICAL**

Luminaire is built with high efficacy LED package 120V-277V universal drivers.

**OPTICAL SYSTEM**

High performance light output perfect for high ceiling. Optic lens designed to reduce glare and improve light distribution through precision lens optics.

**ENERGY SAVINGS**

Over 50% energy savings compare to fluorescent fixtures. Low heat production from LED technology will require overall less maintenance and operating cost.

**MOUNTING**

Comes standard with V-Hooks and chains, Option available for pendant mount and surface mount kit.

**CONTROLS**

Option available for dimmers, occupancy sensors and daylight harvesting to maximize energy savings.

**LISTING**

UL Listed , DLC Premium Listed

**WARRANTY**

5 Years Limited Warranty, Rated for 50,000 hours (See Warranty documentation for details).

|    | WATTAGE | DELIVERED LUMENS | EFFICACY |
|----|---------|------------------|----------|
| 2' | 105W    | 14,175           | 141 lm/W |
|    | 155W    | 20,925           | 135 lm/W |
|    | 170W    | 22,950           | 137 lm/W |
| 4' | 210W    | 28,350           | 139 lm/W |
|    | 300W    | 40,500           | 133 lm/W |

Based on 4000K, 82 CRI. Actual lumens may vary.

**TECHNICAL SPECIFICATION**

|                     |                             |
|---------------------|-----------------------------|
| CCT                 | 4000K/5000K                 |
| CRI                 | 82                          |
| DIMMABLE            | 0-10V dimming               |
| VOLTAGE             | 120V-277V                   |
| POWER FREQUENCY     | 50/60 Hz                    |
| POWER FACTOR        | 0.9                         |
| THD                 | 20%                         |
| WORKING TEMPERATURE | -4°F ~ 104°F                |
| STORAGE TEMPERATURE | -22°F ~ 140°F               |
| IP RATING           | Suitable for damp locations |
| WARRANTY            | 5 year limited              |



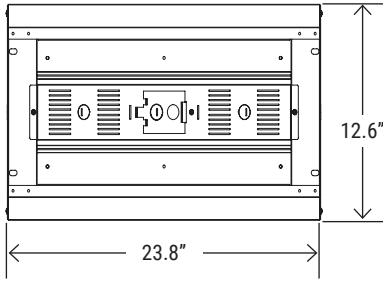
ORDERING SAMPLE:  -  -  -  -  -  -  -

| Series   | Wattage   | CCT                       |
|--|---|---------------------------|
| <b>PT-LHB</b><br>LED Linear<br>High Bay Series | <b>105W</b><br><b>155W</b><br><b>170W</b><br><b>210W</b><br><b>300W</b> | <b>2CCT</b> (4000K/5000K) |

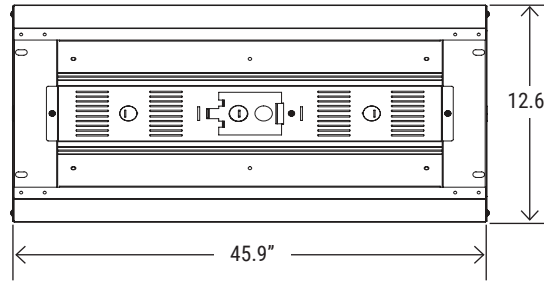
| Accessories/Options         |             |   |                            |  |
|-----------------------------|-------------|---|----------------------------|--|
| EM Battery                  | Transformer | Sensor  | Wireguard                  | Mounting                                       |
| PT-EM1-15W*<br>PT-EM1-30W** | PT-SDT-325  | Blank<br>PT-UNI2-SP-PR<br>ELB-UNI<br>MSH-RC2<br>PT-UNI-35-NDP<br>ELB-UNI-35<br>MSS-RC-100 | WG-HBL4-2FT<br>WG-HBL4-4FT | Blank (Standard V-hook)<br>PM-HBL4<br>SMK-HBL4 |

|                 |               |       |       |       |
|-----------------|---------------|-------|-------|-------|
| Catalog Number: | Project Name: | Note: | Date: | Type: |
|-----------------|---------------|-------|-------|-------|

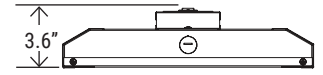
**DIMENSION**



**2'** 105W / 155W

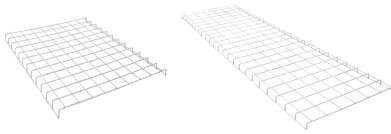


**4'** 170W / 210W / 300W



**SIDE PROFILE**

**WIRE GUARD OPTION**



**WG-HBL4-2FT**  
Wire guard for 105W / 155W

**WG-HBL4-4FT**  
Wire guard for 170W / 240W / 300W

**TRANSFORMER OPTION**



**PT-SDT-325**  
Step-down Auto-transformer

**EM BATTERY OPTION**



**PT-EM1-15W\* / PT-EM1-30W\*\***  
LED Emergency Driver  
*\*Only works with 105W, 150W (max)*  
*\*\*Will work with 170W, 210W, 300W*

**MOUNTING OPTION**



**PM-HBL4**  
Pendant Mount



**SMK-HBL4**  
Surface Mount Kit

**SENSOR OPTION**



**PT-UNI2-SP-PR**  
Dimmable PIR Motion Sensor with Daylight Harvesting



**ELB-UNI**  
Elbow for UNI2-SP-PR (Required)



**MSH-RC2**  
Intelligent Control Unit



**PT-UNI-35-NDP**  
Dimmable PIR Motion Sensor



**ELB-UNI-35**  
Elbow for UNI-35-NDP (Required)



**MSS-RC-100**  
Intelligent Control Unit



| CATALOG NUMBER          | WATTAGE | DELIVERED LUMENS | EFFICACY | DLC PRODUCT ID  | CLASSIFICATION |
|-------------------------|---------|------------------|----------|-----------------|----------------|
| <b>PT-LHB-105W-2CCT</b> | 105W    | 14,175           | 141 lm/W | <b>S-JDT39V</b> | PREMIUM        |
| <b>PT-LHB-155W-2CCT</b> | 155W    | 20,925           | 135 lm/W | <b>S-EMZU6J</b> | PREMIUM        |
| <b>PT-LHB-170W-2CCT</b> | 170W    | 22,950           | 137 lm/W | <b>S-FAD4Z7</b> | PREMIUM        |
| <b>PT-LHB-210W-2CCT</b> | 210W    | 28,350           | 139 lm/W | <b>S-ODAZIC</b> | PREMIUM        |
| <b>PT-LHB-300W-2CCT</b> | 300W    | 40,500           | 133 lm/W | <b>S-TURHP3</b> | PREMIUM        |

Based on 4000K, 82 CRI. Actual lumens may vary.

**PT-LHB-105W**

Wattage: 105W

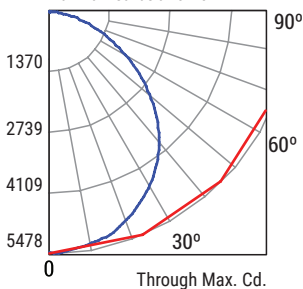
Delivered lumens: 14176

Efficacy: 136 lm/W

CCT: 5000K

CRI: 80

Maximum Candela : 5478.1



**Coefficients of Utilization**

| pfc | 20% |     |     |     |     |     |     |     |     |     |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
|     | 80% |     |     |     | 70% |     |     |     | 50% |     |    |
|     | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% |    |
| pcc |     |     |     |     |     |     |     |     |     |     |    |
| pw  |     |     |     |     |     |     |     |     |     |     |    |
| RCR | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10 |
|     | 119 | 109 | 100 | 91  | 84  | 77  | 71  | 66  | 62  | 58  | 54 |
|     | 119 | 105 | 92  | 81  | 75  | 69  | 64  | 60  | 57  | 54  | 51 |
|     | 119 | 101 | 85  | 73  | 67  | 62  | 58  | 54  | 51  | 48  | 45 |
|     | 119 | 97  | 80  | 67  | 61  | 56  | 52  | 49  | 46  | 43  | 40 |
|     | 116 | 103 | 90  | 78  | 71  | 65  | 60  | 56  | 53  | 50  | 47 |
|     | 116 | 99  | 84  | 71  | 64  | 58  | 53  | 49  | 46  | 43  | 40 |
|     | 116 | 96  | 79  | 66  | 59  | 53  | 48  | 44  | 41  | 38  | 35 |
|     | 111 | 92  | 77  | 64  | 57  | 51  | 46  | 42  | 39  | 36  | 33 |
|     | 111 | 88  | 73  | 60  | 53  | 47  | 42  | 38  | 35  | 32  | 29 |
|     | 111 | 85  | 70  | 57  | 50  | 44  | 39  | 35  | 32  | 29  | 26 |
|     | 111 | 82  | 67  | 54  | 47  | 41  | 36  | 32  | 29  | 26  | 23 |
|     | 111 | 79  | 64  | 51  | 44  | 38  | 33  | 29  | 26  | 23  | 20 |
|     | 111 | 76  | 61  | 48  | 41  | 35  | 30  | 26  | 23  | 20  | 17 |
|     | 111 | 73  | 58  | 45  | 38  | 32  | 27  | 23  | 20  | 17  | 14 |
|     | 111 | 70  | 55  | 42  | 35  | 29  | 24  | 20  | 17  | 14  | 11 |
|     | 111 | 67  | 52  | 39  | 32  | 26  | 21  | 17  | 14  | 11  | 8  |
|     | 111 | 64  | 49  | 36  | 29  | 23  | 18  | 14  | 11  | 8   | 5  |
|     | 111 | 61  | 46  | 33  | 26  | 20  | 15  | 11  | 8   | 5   | 2  |
|     | 111 | 58  | 43  | 30  | 23  | 17  | 12  | 8   | 5   | 2   |    |
|     | 111 | 55  | 40  | 27  | 20  | 14  | 9   | 6   | 3   |     |    |
|     | 111 | 52  | 37  | 24  | 17  | 11  | 7   | 4   |     |     |    |
|     | 111 | 49  | 34  | 21  | 14  | 8   | 5   |     |     |     |    |
|     | 111 | 46  | 31  | 18  | 11  | 6   |     |     |     |     |    |
|     | 111 | 43  | 28  | 15  | 8   |     |     |     |     |     |    |
|     | 111 | 40  | 25  | 12  |     |     |     |     |     |     |    |
|     | 111 | 37  | 22  | 9   |     |     |     |     |     |     |    |
|     | 111 | 34  | 19  | 6   |     |     |     |     |     |     |    |
|     | 111 | 31  | 16  | 3   |     |     |     |     |     |     |    |
|     | 111 | 28  | 13  |     |     |     |     |     |     |     |    |

**CP Summary**

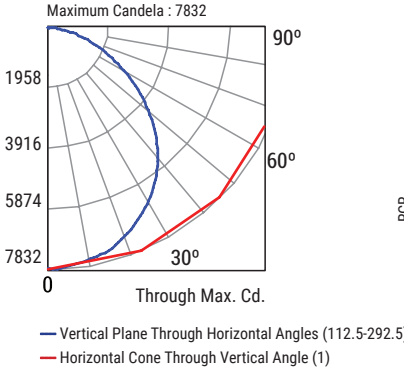
|     | 0°     | 90°    |
|-----|--------|--------|
| 0°  | 5457.6 | 5457.6 |
| 5°  | 5426.7 | 5421.0 |
| 15° | 5221.5 | 5225.2 |
| 25° | 4815.9 | 4795.3 |
| 35° | 4242.1 | 4204.2 |
| 45° | 3436.1 | 3411.2 |
| 55° | 2490.5 | 2454.1 |
| 65° | 1552.7 | 1497.6 |
| 75° | 745.6  | 702.4  |
| 85° | 162.7  | 132.3  |
| 90° | 12.9   | 16.1   |

**Zonal Lumen Summary**

|          | Lumens   | %Fixture |
|----------|----------|----------|
| 0° - 20° | 1983.52  | 14.00    |
| 0° - 30° | 4190.27  | 29.60    |
| 0° - 40° | 6817.56  | 48.10    |
| 0° - 60° | 11656.22 | 82.20    |
| 0° - 80° | 13941.92 | 98.40    |
| 0° - 90° | 14118.82 | 99.60    |

|                 |               |       |       |       |
|-----------------|---------------|-------|-------|-------|
| Catalog Number: | Project Name: | Note: | Date: | Type: |
|-----------------|---------------|-------|-------|-------|

|                    |                      |                                |                           |                   |                |
|--------------------|----------------------|--------------------------------|---------------------------|-------------------|----------------|
| <b>PT-LHB-155W</b> | Wattage: <b>155W</b> | Delivered lumens: <b>20443</b> | Efficacy: <b>137 lm/W</b> | CCT: <b>5000K</b> | CRI: <b>80</b> |
|--------------------|----------------------|--------------------------------|---------------------------|-------------------|----------------|

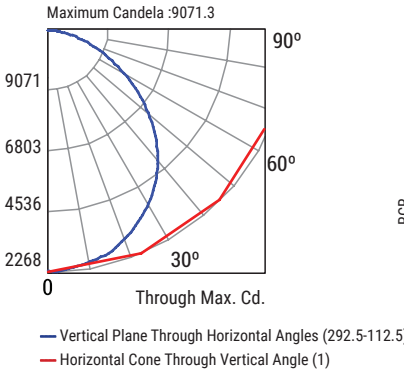


| RCR | Coefficients of Utilization |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|     | pfc                         | 80% |     |     |     | 70% |     |     |     | 50% |     |     |     |
|     |                             | pcc | pw  | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% |
| 0   |                             | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |     |
| 1   |                             | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 98  | 95  | 93  |     |
| 2   |                             | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 81  | 77  |     |
| 3   |                             | 91  | 81  | 73  | 67  | 89  | 80  | 72  | 67  | 77  | 70  | 65  |     |
| 4   |                             | 84  | 72  | 64  | 57  | 82  | 71  | 63  | 57  | 68  | 62  | 56  |     |
| 5   |                             | 77  | 65  | 56  | 50  | 75  | 64  | 55  | 49  | 61  | 54  | 49  |     |
| 6   |                             | 71  | 58  | 50  | 43  | 69  | 57  | 49  | 43  | 56  | 48  | 43  |     |
| 7   |                             | 66  | 53  | 44  | 38  | 65  | 52  | 44  | 38  | 51  | 43  | 38  |     |
| 8   |                             | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  | 46  | 39  | 34  |     |
| 9   |                             | 58  | 44  | 36  | 31  | 56  | 44  | 36  | 31  | 43  | 36  | 31  |     |
| 10  |                             | 54  | 41  | 33  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  |     |

| CP Summary |        |        |
|------------|--------|--------|
|            | 0°     | 90°    |
| 0°         | 7810.3 | 7810.3 |
| 5°         | 7768.9 | 7753.2 |
| 15°        | 7490.2 | 7485.3 |
| 25°        | 6918.0 | 6914.7 |
| 35°        | 6138.4 | 6101.0 |
| 45°        | 4979.2 | 4956.4 |
| 55°        | 3583.7 | 3525.2 |
| 65°        | 2195.6 | 2088.0 |
| 75°        | 1038.5 | 964.1  |
| 85°        | 224.0  | 184.3  |
| 90°        | 16.4   | 12.8   |

| Zonal Lumen Summary |          |          |
|---------------------|----------|----------|
|                     | Lumens   | %Fixture |
| 0° - 20°            | 2845.31  | 13.90    |
| 0° - 30°            | 6029.64  | 29.50    |
| 0° - 40°            | 9847.17  | 48.20    |
| 0° - 60°            | 16883.48 | 82.60    |
| 0° - 80°            | 20112.90 | 98.40    |
| 0° - 90°            | 20360.50 | 99.60    |

|                    |                      |                                |                           |                   |                |
|--------------------|----------------------|--------------------------------|---------------------------|-------------------|----------------|
| <b>PT-LHB-170W</b> | Wattage: <b>170W</b> | Delivered lumens: <b>23302</b> | Efficacy: <b>139 lm/W</b> | CCT: <b>5000K</b> | CRI: <b>80</b> |
|--------------------|----------------------|--------------------------------|---------------------------|-------------------|----------------|

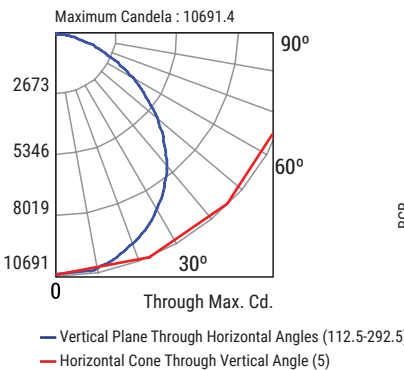


| RCR | Coefficients of Utilization |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|     | pfc                         | 80% |     |     |     | 70% |     |     |     | 50% |     |     |     |
|     |                             | pcc | pw  | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% |
| 0   |                             | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |     |
| 1   |                             | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 98  | 95  | 93  |     |
| 2   |                             | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 81  | 77  |     |
| 3   |                             | 91  | 81  | 73  | 67  | 89  | 80  | 72  | 67  | 77  | 70  | 65  |     |
| 4   |                             | 84  | 72  | 64  | 57  | 82  | 71  | 63  | 57  | 68  | 62  | 56  |     |
| 5   |                             | 77  | 65  | 56  | 50  | 75  | 64  | 55  | 49  | 61  | 54  | 49  |     |
| 6   |                             | 71  | 58  | 50  | 43  | 69  | 57  | 49  | 43  | 56  | 48  | 43  |     |
| 7   |                             | 66  | 53  | 44  | 38  | 65  | 52  | 44  | 38  | 51  | 43  | 38  |     |
| 8   |                             | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  | 46  | 39  | 34  |     |
| 9   |                             | 58  | 44  | 36  | 31  | 56  | 44  | 36  | 31  | 43  | 36  | 31  |     |
| 10  |                             | 54  | 41  | 33  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  |     |

| CP Summary |        |        |
|------------|--------|--------|
|            | 0°     | 90°    |
| 0°         | 8962.5 | 8962.5 |
| 5°         | 8904.9 | 9024.9 |
| 15°        | 8593.8 | 8652.0 |
| 25°        | 7925.8 | 7908.7 |
| 35°        | 6958.6 | 6878.7 |
| 45°        | 5654.6 | 5467.2 |
| 55°        | 4135.3 | 3934.8 |
| 65°        | 2597.2 | 2390.4 |
| 75°        | 1256.0 | 1111.4 |
| 85°        | 257.0  | 191.4  |
| 90°        | 15.5   | 7.4    |

| Zonal Lumen Summary |          |          |
|---------------------|----------|----------|
|                     | Lumens   | %Fixture |
| 0° - 20°            | 3283.5   | 14.10    |
| 0° - 30°            | 6934.18  | 29.80    |
| 0° - 40°            | 11264.4  | 48.30    |
| 0° - 60°            | 19180.00 | 82.30    |
| 0° - 80°            | 22938.49 | 98.40    |
| 0° - 90°            | 23223.4  | 99.70    |

|                    |                      |                                |                           |                   |                |
|--------------------|----------------------|--------------------------------|---------------------------|-------------------|----------------|
| <b>PT-LHB-215W</b> | Wattage: <b>210W</b> | Delivered lumens: <b>27924</b> | Efficacy: <b>136 lm/W</b> | CCT: <b>5000K</b> | CRI: <b>80</b> |
|--------------------|----------------------|--------------------------------|---------------------------|-------------------|----------------|

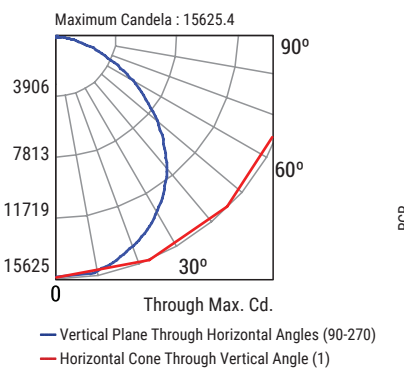


| RCR | Coefficients of Utilization |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|     | pfc                         | 80% |     |     |     | 70% |     |     |     | 50% |     |     |     |
|     |                             | pcc | pw  | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% |
| 0   |                             | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |     |
| 1   |                             | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 98  | 95  | 93  |     |
| 2   |                             | 100 | 92  | 85  | 80  | 97  | 90  | 84  | 79  | 87  | 81  | 77  |     |
| 3   |                             | 91  | 81  | 73  | 67  | 89  | 80  | 72  | 66  | 77  | 70  | 65  |     |
| 4   |                             | 84  | 72  | 64  | 57  | 82  | 71  | 63  | 57  | 68  | 61  | 56  |     |
| 5   |                             | 77  | 65  | 56  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 49  |     |
| 6   |                             | 71  | 58  | 50  | 43  | 69  | 57  | 49  | 43  | 55  | 48  | 43  |     |
| 7   |                             | 66  | 53  | 44  | 38  | 65  | 52  | 44  | 38  | 51  | 43  | 38  |     |
| 8   |                             | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  | 46  | 39  | 34  |     |
| 9   |                             | 58  | 44  | 36  | 31  | 56  | 44  | 36  | 31  | 43  | 36  | 31  |     |
| 10  |                             | 54  | 41  | 33  | 28  | 53  | 40  | 33  | 28  | 39  | 33  | 28  |     |

| CP Summary |           |           |
|------------|-----------|-----------|
|            | 0°        | 90°       |
| 0°         | 10546.280 | 10546.280 |
| 5°         | 10483.700 | 10640.400 |
| 15°        | 10177.100 | 10241.600 |
| 25°        | 9466.600  | 9448.500  |
| 35°        | 8390.500  | 8322.500  |
| 45°        | 6902.300  | 6736.400  |
| 55°        | 5097.900  | 4909.700  |
| 65°        | 3169.100  | 3021.300  |
| 75°        | 1534.800  | 1420.700  |
| 85°        | 353.400   | 283.300   |
| 90°        | 31.900    | 25.100    |

| Zonal Lumen Summary |          |          |
|---------------------|----------|----------|
|                     | Lumens   | %Fixture |
| 0° - 20°            | 3873.96  | 13.90    |
| 0° - 30°            | 8206.24  | 29.40    |
| 0° - 40°            | 13384.94 | 47.90    |
| 0° - 60°            | 22960.76 | 82.20    |
| 0° - 80°            | 27472.52 | 98.40    |
| 0° - 90°            | 27829.60 | 99.70    |

|                    |                      |                                |                           |                   |                |
|--------------------|----------------------|--------------------------------|---------------------------|-------------------|----------------|
| <b>PT-LHB-300W</b> | Wattage: <b>300W</b> | Delivered lumens: <b>40310</b> | Efficacy: <b>135 lm/W</b> | CCT: <b>5000K</b> | CRI: <b>80</b> |
|--------------------|----------------------|--------------------------------|---------------------------|-------------------|----------------|



| RCR | Coefficients of Utilization |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|     | pfc                         | 80% |     |     |     | 70% |     |     |     | 50% |     |     |     |
|     |                             | pcc | pw  | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% |
| 0   |                             | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |     |
| 1   |                             | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 95  | 98  | 95  | 92  |     |
| 2   |                             | 100 | 92  | 85  | 80  | 97  | 90  | 84  | 79  | 86  | 81  | 77  |     |
| 3   |                             | 91  | 81  | 73  | 67  | 89  | 80  | 72  | 66  | 76  | 70  | 65  |     |
| 4   |                             | 84  | 72  | 63  | 57  | 82  | 71  | 63  | 57  | 68  | 61  | 56  |     |
| 5   |                             | 77  | 65  | 56  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 48  |     |
| 6   |                             | 71  | 58  | 49  | 43  | 69  | 57  | 49  | 43  | 55  | 48  | 43  |     |
| 7   |                             | 66  | 53  | 44  | 38  | 65  | 52  | 44  | 38  | 50  | 43  | 38  |     |
| 8   |                             | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  | 46  | 39  | 34  |     |
| 9   |                             | 58  | 44  | 36  | 31  | 56  | 44  | 36  | 31  | 43  | 35  | 31  |     |
| 10  |                             | 54  | 41  | 33  | 28  | 53  | 40  | 33  | 28  | 39  | 33  | 28  |     |

| CP Summary |         |         |
|------------|---------|---------|
|            | 0°      | 90°     |
| 0°         | 15478.8 | 15478.8 |
| 5°         | 15310.2 | 15443.6 |
| 15°        | 14776.2 | 14803.9 |
| 25°        | 13636.2 | 13570.9 |
| 35°        | 12043.7 | 11827.9 |
| 45°        | 9717.7  | 9584.2  |
| 55°        | 7111.7  | 6932.0  |
| 65°        | 4509.6  | 4302.6  |
| 75°        | 2195.8  | 2075.9  |
| 85°        | 470.2   | 410.6   |
| 90°        | 35.9    | 43.1    |

| Zonal Lumen Summary |          |          |
|---------------------|----------|----------|
|                     | Lumens   | %Fixture |
| 0° - 20°            | 5619.51  | 13.90    |
| 0° - 30°            | 11867.25 | 29.40    |
| 0° - 40°            | 19289.54 | 47.90    |
| 0° - 60°            | 33001.68 | 81.90    |
| 0° - 80°            | 39638.53 | 98.30    |
| 0° - 90°            | 40167.22 | 99.60    |