

### Key Features & Benefits:

- Wattage, Kelvin & Beam Angle Selectable
- DLC Premium Listed
- Damp Location
- 0–10V Dim to Off
- IntelliSense™ Quick Connect for Network Controls or Stand Alone Remote Control
- Comes with V-hooks and 3ft of Chain for Standard Mounting
- IK10 Impact Resistance Provides Maximum Mechanical Protection, Ensuring Long Term Durability in Demanding Environments.

Project:

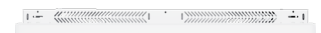
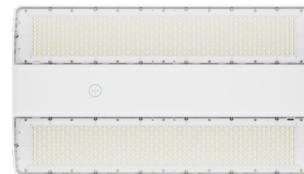
Date:

Catalog #:

Notes:

### Product Specifications:

Selectable Wattage: 255W–295W–320W  
 Selectable Kelvin: 4000K–5000K–5700K  
 Selectable Beam Angle: 90x90°–45x100°–65x95°  
 Lumens: Up to 51,000  
 Efficacy: Up to 170 lm/W  
 Input Voltage: 120–347 VAC  
 Input Frequency: 50/60 Hz  
 Operating Temperature: -40°F to 122°F (-40°C to 50°C)  
 Dimming: 0–10V Dim to Off  
 CRI: >80  
 Warranty: 5 Years  
 L70 Lifetime: 200,000 hrs Calculated per TM21  
 Dimensions: 22.05" x 12.40" x 1.89"  
 Weight (lbs): 8.82  
 Default Settings: 320W, 5000K & 90x90° Beam Angle



### Ordering Guide:

| ESL | - | FAMILY                | - | SELECTABLE WATTAGE                                                                                         | - | GENERATION         | - | SELECTABLE KELVIN        | - | VOLTAGE          | - | OPTIONS                   |
|-----|---|-----------------------|---|------------------------------------------------------------------------------------------------------------|---|--------------------|---|--------------------------|---|------------------|---|---------------------------|
| ESL | - | LHB                   | - | 255320W                                                                                                    | - | 5                  | - | 4057                     | - | (Blank) Standard | - | See Options Table on pg 2 |
|     |   | (LHB) Linear High Bay |   | (85130W) 85W–105W–130W<br>(105165W) 105W–130W–165W<br>(165240W) 165W–215W–240W<br>(255320W) 255W–295W–320W |   | (5) 5th Generation |   | (4057) 4000K–5000K–5700K |   |                  |   |                           |



### FACTORY INSTALLED OPTIONS

|       |                                                                                                                                                                                         |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EM18* | Emergency Backup Battery Unit, Auto Test Function, 18 Watt Output, 90 Minutes, 100–347 VAC Input, 170 VDC Output, Enclosed Box, UL Listed for Factory or Field install, Lithium Battery |
| EM25* | Emergency Backup Battery Unit, Auto Test Function, 25 Watt Output, 90 Minutes, 100–347 VAC Input, 170 VDC Output, Enclosed Box, UL Listed for Factory or Field install, Lithium Battery |
| EM40* | Emergency Backup Battery Unit, Auto Test Function, 40 Watt Output, 90 Minutes, 100–347 VAC Input, 170 VDC Output, Enclosed Box, UL Listed for Factory or Field install, Lithium Battery |

### FIELD INSTALLED ACCESSORIES

|                        |                                               |
|------------------------|-----------------------------------------------|
| ESL-ISS-MSEN-03        | Network PIR + Daylight Sensor for LHB5        |
| ESL-OCCP-AUX-01        | Stand Alone PIR + Daylight Sensor for Highbay |
| ESL-REM100             | Remote for Stand Alone Sensor                 |
| ESL-LHB5-PM            | LHB5 Pendant Mount                            |
| ESL-LHB5-SM            | LHB5 Surface Mount                            |
| ESL-LHB5-WG-S          | LHB5 Wire Guard for 85130W and 105165W        |
| ESL-LHB5-WG-M          | LHB5 Wire Guard for 165240W                   |
| ESL-LHB5-WG-L          | LHB5 Wire Guard for 255320W                   |
| ESL-ACCS-AC-10FT-S2-02 | Aircraft Cable 10 Feet Set of 2               |

\*Not Compatible with High Voltage Fixtures

### Catalog Data:

| ITEM#                    | SELECTABLE WATTAGE | SELECTABLE KELVIN | MAX LUMEN OUTPUT | MAX EFFICACY (lm/w) | DIMENSIONS (LxWxH)      |
|--------------------------|--------------------|-------------------|------------------|---------------------|-------------------------|
| ESL-LHB-85130W-54057     | 85W–105W–130W      | 4000K–5000K–5700K | 20,000           | 170                 | 11.22" x 15.00" x 1.89" |
| ESL-LHB-105165W-54057    | 105W–130W–165W     | 4000K–5000K–5700K | 26,000           | 170                 | 11.22" x 15.00" x 1.89" |
| ESL-LHB-165240W-54057    | 165W–215W–240W     | 4000K–5000K–5700K | 36,800           | 170                 | 11.22" x 20.08" x 1.89" |
| ESL-LHB-255320W-54057    | 255W–295W–320W     | 4000K–5000K–5700K | 51,000           | 170                 | 12.40" x 22.05" x 1.89" |
| ESL-LHB-165240W-54057-HV | 165W–215W–240W     | 4000K–5000K–5700K | 36,700           | 170                 | 11.22" x 20.08" x 1.89" |
| ESL-LHB-255320W-54057-HV | 255W–295W–320W     | 4000K–5000K–5700K | 51,100           | 170                 | 12.40" x 22.05" x 1.89" |

### Electrical Load — Standard Voltage:

| SYSTEM WATTS | INPUT CURRENT |         |         |         | INPUT VOLTAGE | INPUT FREQUENCY | POWER FACTOR | THD  | OPERATING TEMPERATURE             | SURGE PROTECTION | DIMMING             |
|--------------|---------------|---------|---------|---------|---------------|-----------------|--------------|------|-----------------------------------|------------------|---------------------|
|              | 120 VAC       | 208 VAC | 240 VAC | 277 VAC |               |                 |              |      |                                   |                  |                     |
| 85           | 0.71          | 0.41    | 0.35    | 0.31    | 120–347 VAC   | 50/60 Hz        | >0.9         | <20% | -40°F to 122°F<br>(-40°C to 50°C) | 6kV              | 0–10V<br>Dim to Off |
| 105          | 0.88          | 0.50    | 0.44    | 0.38    |               |                 | >0.9         |      |                                   |                  |                     |
| 130          | 1.08          | 0.63    | 0.54    | 0.47    |               |                 | >0.10        |      |                                   |                  |                     |
| 165          | 1.38          | 0.79    | 0.69    | 0.60    |               |                 | >0.11        |      |                                   |                  |                     |
| 215          | 1.79          | 1.03    | 0.90    | 0.78    |               |                 | >0.12        |      |                                   |                  |                     |
| 240          | 2.00          | 1.15    | 1.00    | 0.87    |               |                 | >0.13        |      |                                   |                  |                     |
| 255          | 2.13          | 1.23    | 1.06    | 0.92    |               |                 | >0.14        |      |                                   |                  |                     |
| 295          | 2.46          | 1.42    | 1.23    | 1.06    |               |                 | >0.15        |      |                                   |                  |                     |
| 320          | 2.67          | 1.54    | 1.33    | 1.16    |               |                 | >0.16        |      |                                   |                  |                     |

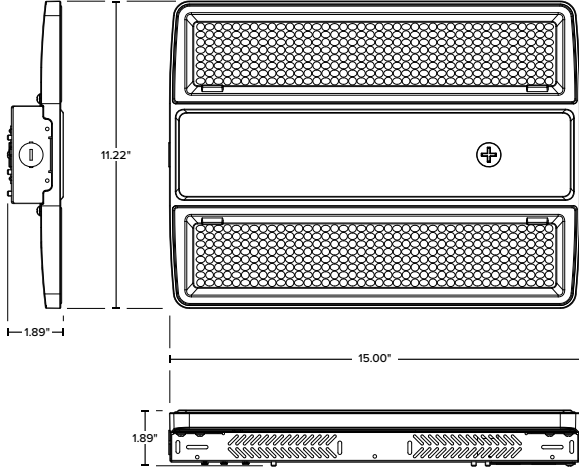
### Electrical Load — High Voltage:

| SYSTEM WATTS | INPUT CURRENT |         |         | INPUT VOLTAGE | INPUT FREQUENCY | POWER FACTOR | THD  | OPERATING TEMPERATURE             | SURGE PROTECTION | DIMMING             |
|--------------|---------------|---------|---------|---------------|-----------------|--------------|------|-----------------------------------|------------------|---------------------|
|              | 277 VAC       | 347 VAC | 480 VAC |               |                 |              |      |                                   |                  |                     |
| 165          | 0.60          | 0.48    | 0.34    | 277–480 VAC   | 50/60 Hz        | >0.11        | <20% | -40°F to 122°F<br>(-40°C to 50°C) | 6kV              | 0–10V<br>Dim to Off |
| 215          | 0.78          | 0.62    | 0.45    |               |                 | >0.12        |      |                                   |                  |                     |
| 240          | 0.87          | 0.69    | 0.50    |               |                 | >0.13        |      |                                   |                  |                     |
| 255          | 0.92          | 0.73    | 0.53    |               |                 | >0.14        |      |                                   |                  |                     |
| 295          | 1.06          | 0.85    | 0.61    |               |                 | >0.15        |      |                                   |                  |                     |
| 320          | 1.16          | 0.92    | 0.67    |               |                 | >0.16        |      |                                   |                  |                     |

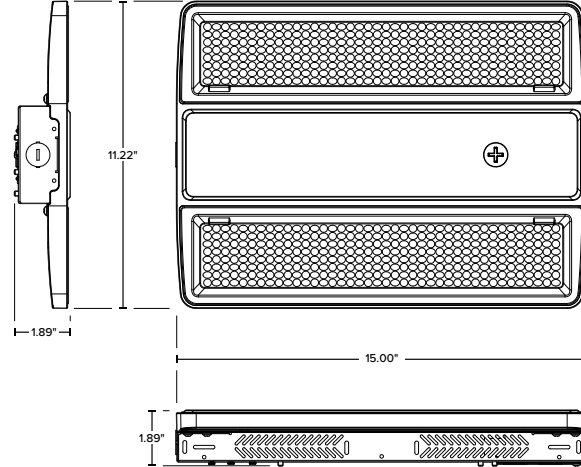


### Dimensions:

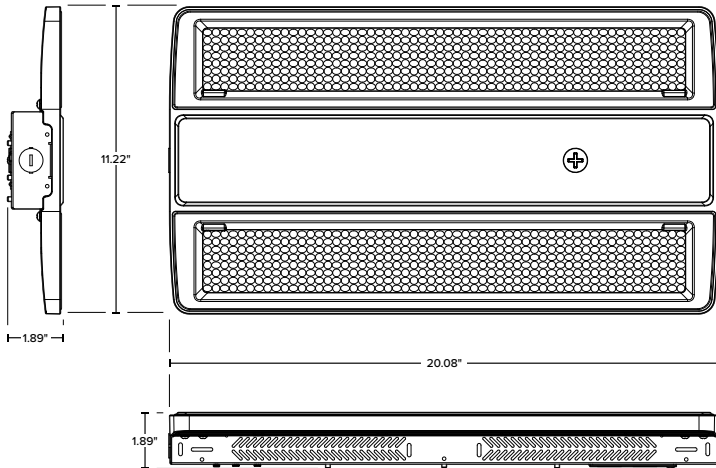
#### ESL-LHB-85130W-54057



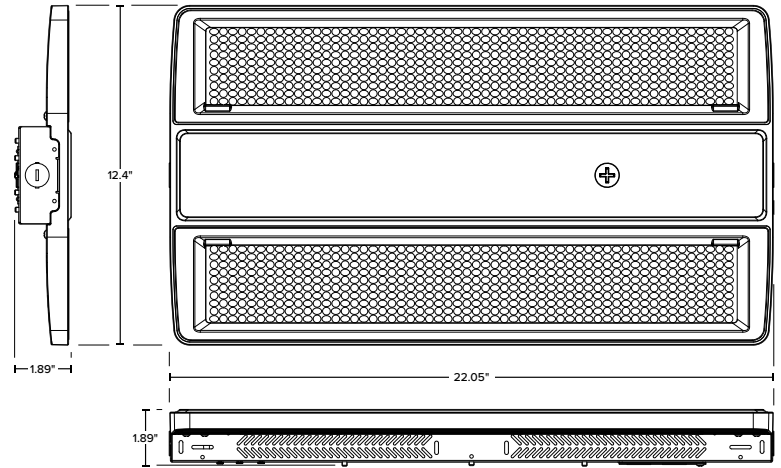
#### ESL-LHB-105165W-54057



#### ESL-LHB-165240W-54057 & ESL-LHB-165240W-54057-HV



#### ESL-LHB-255320W-54057 & ESL-LHB-255320W-54057-HV



### Lumen Ambient Temperature (LAT) Multipliers:

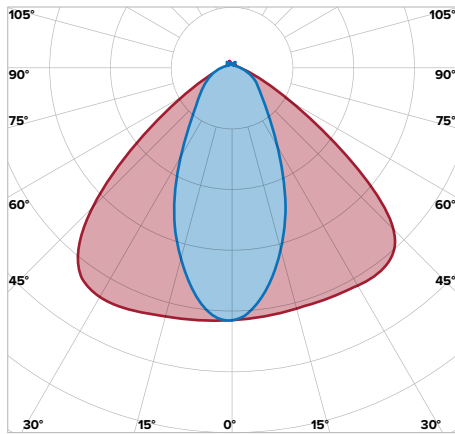
| AMBIENT |        | LUMEN MULTIPLIER |
|---------|--------|------------------|
| 0 °C    | 32 °F  | 1.02             |
| 10 °C   | 50 °F  | 1.01             |
| 20 °C   | 68 °F  | 1.00             |
| 25 °C   | 77 °F  | 1.00             |
| 30 °C   | 86 °F  | 1.00             |
| 40 °C   | 104 °F | 0.99             |
| 50 °C   | 122 °F | 0.96             |

## Beam Angle Diagrams:

### NARROW AISLE BEAM

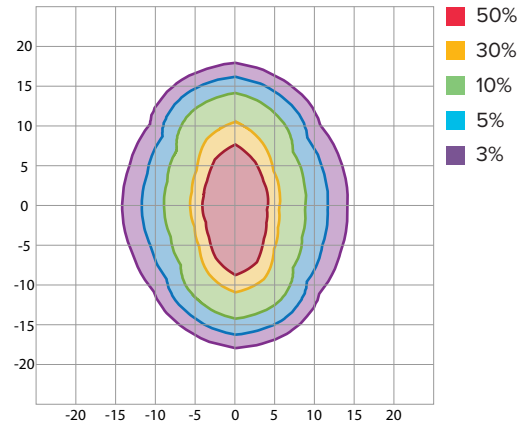
Beam Angle  
45° x 100°

Polar Candela Distribution



■ 0°–180° Plane  
■ 90°–270° Plane

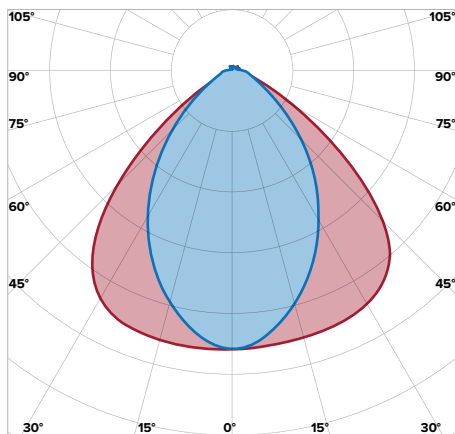
Isocandela Diagram



### AISSLE BEAM

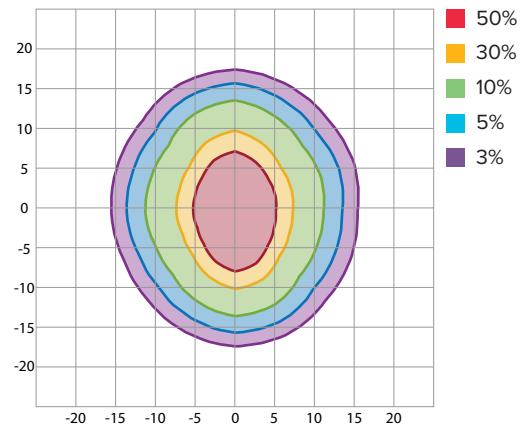
Beam Angle  
70° x 100°

Polar Candela Distribution



■ 0°–180° Plane  
■ 90°–270° Plane

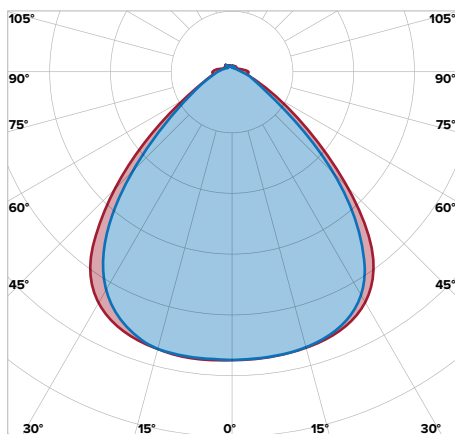
Isocandela Diagram



### STANDARD BEAM

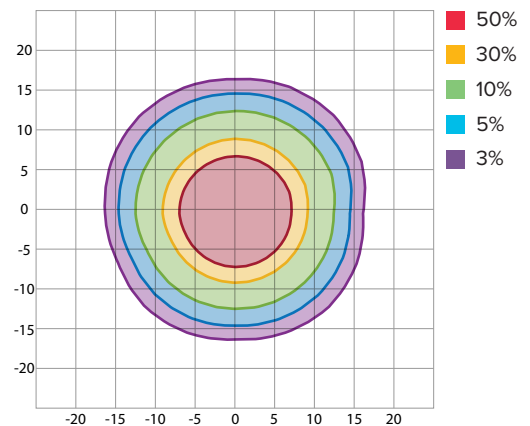
Beam Angle  
90° x 90°

Polar Candela Distribution



■ 0°–180° Plane  
■ 90°–270° Plane

Isocandela Diagram



### Standard Voltage Lumen Data Breakdown:

| ITEM#                 | SELECTABLE<br>WATTAGE | SELECTABLE<br>KELVIN | SELECTABLE<br>BEAM ANGLE | EFFICACY<br>(lm/w) | LUMEN OUTPUT | WATTAGE |
|-----------------------|-----------------------|----------------------|--------------------------|--------------------|--------------|---------|
| ESL-LHB-85130W-54057  | 85W                   | 4000K                | 90x90°                   | 151                | 12986        | 86      |
|                       |                       |                      | 45x100°                  | 146                | 12368        | 85      |
|                       |                       |                      | 65x95°                   | 161                | 13212        | 82      |
|                       |                       | 5000K                | 90x90°                   | 159                | 13824        | 87      |
|                       |                       |                      | 45x100°                  | 154                | 13076        | 85      |
|                       |                       |                      | 65x95°                   | 170                | 13933        | 82      |
|                       |                       | 5700K                | 90x90°                   | 151                | 12986        | 86      |
|                       |                       |                      | 45x100°                  | 146                | 12369        | 85      |
|                       |                       |                      | 65x95°                   | 161                | 13212        | 82      |
|                       | 105W                  | 4000K                | 90x90°                   | 146                | 15665        | 107     |
|                       |                       |                      | 45x100°                  | 140                | 14800        | 106     |
|                       |                       |                      | 65x95°                   | 155                | 15676        | 101     |
|                       |                       | 5000K                | 90x90°                   | 155                | 16443        | 106     |
|                       |                       |                      | 45x100°                  | 150                | 15702        | 105     |
|                       |                       |                      | 65x95°                   | 166                | 16616        | 100     |
|                       |                       | 5700K                | 90x90°                   | 148                | 15701        | 106     |
|                       |                       |                      | 45x100°                  | 142                | 14869        | 105     |
|                       |                       |                      | 65x95°                   | 156                | 15753        | 101     |
|                       | 130W                  | 4000K                | 90x90°                   | 139                | 18820        | 135     |
|                       |                       |                      | 45x100°                  | 134                | 17895        | 134     |
|                       |                       |                      | 65x95°                   | 153                | 19400        | 127     |
|                       |                       | 5000K                | 90x90°                   | 151                | 19693        | 130     |
|                       |                       |                      | 45x100°                  | 145                | 18365        | 127     |
|                       |                       |                      | 65x95°                   | 163                | 20019        | 123     |
|                       |                       | 5700K                | 90x90°                   | 144                | 18807        | 131     |
|                       |                       |                      | 45x100°                  | 138                | 18287        | 133     |
|                       |                       |                      | 65x95°                   | 155                | 19522        | 126     |
| ESL-LHB-105165W-54057 | 105W                  | 4000K                | 90x90°                   | 151                | 16191        | 107     |
|                       |                       |                      | 45x100°                  | 145                | 15402        | 106     |
|                       |                       |                      | 65x95°                   | 155                | 15617        | 101     |
|                       |                       | 5000K                | 90x90°                   | 160                | 17117        | 107     |
|                       |                       |                      | 45x100°                  | 155                | 16233        | 105     |
|                       |                       |                      | 65x95°                   | 172                | 17200        | 100     |
|                       |                       | 5700K                | 90x90°                   | 156                | 16700        | 107     |
|                       |                       |                      | 45x100°                  | 152                | 16144        | 106     |
|                       |                       |                      | 65x95°                   | 165                | 16471        | 100     |
|                       | 130W                  | 4000K                | 90x90°                   | 147                | 19546        | 133     |
|                       |                       |                      | 45x100°                  | 140                | 18814        | 134     |
|                       |                       |                      | 65x95°                   | 154                | 20154        | 131     |
|                       |                       | 5000K                | 90x90°                   | 156                | 20693        | 133     |
|                       |                       |                      | 45x100°                  | 153                | 20223        | 132     |
|                       |                       |                      | 65x95°                   | 169                | 21399        | 127     |
|                       |                       | 5700K                | 90x90°                   | 152                | 20159        | 133     |
|                       |                       |                      | 45x100°                  | 147                | 19870        | 135     |
|                       |                       |                      | 65x95°                   | 161                | 20421        | 127     |
|                       | 165W                  | 4000K                | 90x90°                   | 143                | 23452        | 164     |
|                       |                       |                      | 45x100°                  | 135                | 22400        | 166     |
|                       |                       |                      | 65x95°                   | 151                | 24153        | 160     |
|                       |                       | 5000K                | 90x90°                   | 152                | 25031        | 165     |
|                       |                       |                      | 45x100°                  | 148                | 23714        | 160     |
|                       |                       |                      | 65x95°                   | 163                | 25916        | 159     |
|                       |                       | 5700K                | 90x90°                   | 147                | 24087        | 164     |
|                       |                       |                      | 45x100°                  | 143                | 23692        | 166     |
|                       |                       |                      | 65x95°                   | 151                | 24153        | 160     |

### Standard Voltage Lumen Data Breakdown:

| ITEM#                 | SELECTABLE<br>WATTAGE | SELECTABLE<br>KELVIN | SELECTABLE<br>BEAM ANGLE | EFFICACY<br>(lm/w) | LUMEN OUTPUT | WATTAGE |
|-----------------------|-----------------------|----------------------|--------------------------|--------------------|--------------|---------|
| ESL-LHB-165240W-54057 | 165W                  | 4000K                | 90x90°                   | 155                | 25784        | 166     |
|                       |                       |                      | 45x100°                  | 151                | 25244        | 167     |
|                       |                       |                      | 65x95°                   | 168                | 26574        | 158     |
|                       |                       | 5000K                | 90x90°                   | 161                | 26776        | 166     |
|                       |                       |                      | 45x100°                  | 159                | 26268        | 165     |
|                       |                       |                      | 65x95°                   | 170                | 26722        | 157     |
|                       |                       | 5700K                | 90x90°                   | 156                | 25939        | 166     |
|                       |                       |                      | 45x100°                  | 155                | 25609        | 165     |
|                       |                       |                      | 65x95°                   | 166                | 26258        | 158     |
|                       | 215W                  | 4000K                | 90x90°                   | 148                | 32214        | 217     |
|                       |                       |                      | 45x100°                  | 145                | 31479        | 217     |
|                       |                       |                      | 65x95°                   | 161                | 33124        | 206     |
|                       |                       | 5000K                | 90x90°                   | 156                | 33588        | 216     |
|                       |                       |                      | 45x100°                  | 153                | 33000        | 216     |
|                       |                       |                      | 65x95°                   | 165                | 34071        | 206     |
|                       |                       | 5700K                | 90x90°                   | 151                | 32715        | 217     |
|                       |                       |                      | 45x100°                  | 150                | 32314        | 216     |
|                       |                       |                      | 65x95°                   | 160                | 33211        | 207     |
|                       | 240W                  | 4000K                | 90x90°                   | 144                | 34848        | 242     |
|                       |                       |                      | 45x100°                  | 140                | 33813        | 242     |
|                       |                       |                      | 65x95°                   | 156                | 35950        | 230     |
|                       |                       | 5000K                | 90x90°                   | 152                | 36061        | 238     |
|                       |                       |                      | 45x100°                  | 149                | 35708        | 240     |
|                       |                       |                      | 65x95°                   | 162                | 36762        | 227     |
|                       |                       | 5700K                | 90x90°                   | 147                | 35204        | 239     |
|                       |                       |                      | 45x100°                  | 146                | 35145        | 240     |
|                       |                       |                      | 65x95°                   | 157                | 35604        | 227     |
| ESL-LHB-255320W-54057 | 255W                  | 4000K                | 90x90°                   | 152                | 38808        | 256     |
|                       |                       |                      | 45x100°                  | 147                | 37769        | 257     |
|                       |                       |                      | 65x95°                   | 165                | 40907        | 248     |
|                       |                       | 5000K                | 90x90°                   | 159                | 40298        | 253     |
|                       |                       |                      | 45x100°                  | 156                | 39589        | 253     |
|                       |                       |                      | 65x95°                   | 170                | 41415        | 244     |
|                       |                       | 5700K                | 90x90°                   | 152                | 38725        | 255     |
|                       |                       |                      | 45x100°                  | 147                | 37584        | 255     |
|                       |                       |                      | 65x95°                   | 163                | 39974        | 246     |
|                       | 295W                  | 4000K                | 90x90°                   | 146                | 43114        | 296     |
|                       |                       |                      | 45x100°                  | 140                | 41580        | 296     |
|                       |                       |                      | 65x95°                   | 162                | 45919        | 283     |
|                       |                       | 5000K                | 90x90°                   | 156                | 45140        | 290     |
|                       |                       |                      | 45x100°                  | 150                | 43535        | 290     |
|                       |                       |                      | 65x95°                   | 166                | 46727        | 282     |
|                       |                       | 5700K                | 90x90°                   | 147                | 43340        | 295     |
|                       |                       |                      | 45x100°                  | 143                | 41922        | 294     |
|                       |                       |                      | 65x95°                   | 159                | 44932        | 283     |
|                       | 320W                  | 4000K                | 90x90°                   | 139                | 44778        | 322     |
|                       |                       |                      | 45x100°                  | 137                | 44152        | 322     |
|                       |                       |                      | 65x95°                   | 160                | 49542        | 309     |
|                       |                       | 5000K                | 90x90°                   | 151                | 47279        | 314     |
|                       |                       |                      | 45x100°                  | 149                | 46481        | 312     |
|                       |                       |                      | 65x95°                   | 169                | 51076        | 303     |
|                       |                       | 5700K                | 90x90°                   | 144                | 46072        | 320     |
|                       |                       |                      | 45x100°                  | 140                | 44779        | 319     |
|                       |                       |                      | 65x95°                   | 153                | 46841        | 307     |



### High Voltage Lumen Data Breakdown:

| ITEM#                    | SELECTABLE<br>WATTAGE | SELECTABLE<br>KELVIN | SELECTABLE<br>BEAM ANGLE | EFFICACY<br>(lm/w) | LUMEN OUTPUT | WATTAGE |
|--------------------------|-----------------------|----------------------|--------------------------|--------------------|--------------|---------|
| ESL-LHB-165240W-54057-HV | 165W                  | 4000K                | 90x90°                   | 155                | 25784        | 166     |
|                          |                       |                      | 45x100°                  | 151                | 25244        | 167     |
|                          |                       |                      | 65x95°                   | 168                | 26574        | 158     |
|                          |                       | 5000K                | 90x90°                   | 161                | 26776        | 166     |
|                          |                       |                      | 45x100°                  | 159                | 26268        | 165     |
|                          |                       |                      | 65x95°                   | 170                | 26722        | 157     |
|                          |                       | 5700K                | 90x90°                   | 156                | 25939        | 166     |
|                          |                       |                      | 45x100°                  | 155                | 25609        | 165     |
|                          |                       |                      | 65x95°                   | 166                | 26258        | 158     |
|                          | 215W                  | 4000K                | 90x90°                   | 148                | 32214        | 217     |
|                          |                       |                      | 45x100°                  | 145                | 31479        | 217     |
|                          |                       |                      | 65x95°                   | 161                | 33124        | 206     |
|                          |                       | 5000K                | 90x90°                   | 156                | 33588        | 216     |
|                          |                       |                      | 45x100°                  | 153                | 33000        | 216     |
|                          |                       |                      | 65x95°                   | 165                | 34071        | 206     |
|                          |                       | 5700K                | 90x90°                   | 151                | 32715        | 217     |
|                          |                       |                      | 45x100°                  | 150                | 32314        | 216     |
|                          |                       |                      | 65x95°                   | 160                | 33211        | 207     |
|                          | 240W                  | 4000K                | 90x90°                   | 144                | 34848        | 242     |
|                          |                       |                      | 45x100°                  | 140                | 33813        | 242     |
|                          |                       |                      | 65x95°                   | 156                | 35950        | 230     |
|                          |                       | 5000K                | 90x90°                   | 152                | 36061        | 238     |
|                          |                       |                      | 45x100°                  | 149                | 35708        | 240     |
|                          |                       |                      | 65x95°                   | 162                | 36762        | 227     |
|                          |                       | 5700K                | 90x90°                   | 147                | 35204        | 239     |
|                          |                       |                      | 45x100°                  | 146                | 35145        | 240     |
|                          |                       |                      | 65x95°                   | 157                | 35604        | 227     |
| ESL-LHB-255320W-54057-HV | 255W                  | 4000K                | 90x90°                   | 152                | 38808        | 256     |
|                          |                       |                      | 45x100°                  | 147                | 37769        | 257     |
|                          |                       |                      | 65x95°                   | 165                | 40907        | 248     |
|                          |                       | 5000K                | 90x90°                   | 159                | 40298        | 253     |
|                          |                       |                      | 45x100°                  | 156                | 39589        | 253     |
|                          |                       |                      | 65x95°                   | 170                | 41415        | 244     |
|                          |                       | 5700K                | 90x90°                   | 152                | 38725        | 255     |
|                          |                       |                      | 45x100°                  | 147                | 37584        | 255     |
|                          |                       |                      | 65x95°                   | 163                | 39974        | 246     |
|                          | 295W                  | 4000K                | 90x90°                   | 146                | 43114        | 296     |
|                          |                       |                      | 45x100°                  | 140                | 41580        | 296     |
|                          |                       |                      | 65x95°                   | 162                | 45919        | 283     |
|                          |                       | 5000K                | 90x90°                   | 156                | 45140        | 290     |
|                          |                       |                      | 45x100°                  | 150                | 43535        | 290     |
|                          |                       |                      | 65x95°                   | 166                | 46727        | 282     |
|                          |                       | 5700K                | 90x90°                   | 147                | 43340        | 295     |
|                          |                       |                      | 45x100°                  | 143                | 41922        | 294     |
|                          |                       |                      | 65x95°                   | 159                | 44932        | 283     |
|                          | 320W                  | 4000K                | 90x90°                   | 139                | 44778        | 322     |
|                          |                       |                      | 45x100°                  | 137                | 44152        | 322     |
|                          |                       |                      | 65x95°                   | 160                | 49542        | 309     |
|                          |                       | 5000K                | 90x90°                   | 151                | 47279        | 314     |
|                          |                       |                      | 45x100°                  | 149                | 46481        | 312     |
|                          |                       |                      | 65x95°                   | 169                | 51076        | 303     |
|                          |                       | 5700K                | 90x90°                   | 144                | 46072        | 320     |
|                          |                       |                      | 45x100°                  | 140                | 44779        | 319     |
|                          |                       |                      | 65x95°                   | 153                | 46841        | 307     |