

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: _____

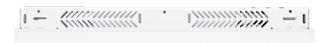
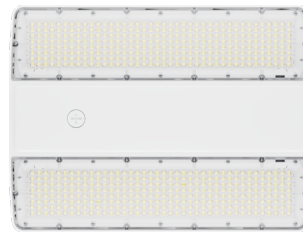
Date: _____

Catalog #: _____

Notes: _____

Product Specifications:

Selectable Wattage: 105W–130W–165W
 Selectable Kelvin: 4000K–5000K–5700K
 Selectable Beam Angle: 90x90°–45x100°–65x95°
 Lumens: Up to 26,000
 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: 15.00" x 11.22" x 1.89"
 Weight (lbs): 5.51
 Default Settings: 165W, 5000K & 90x90° Beam Angle



Ordering Guide:

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

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 |
| CS3W6W | Cord Set, 3 Conductor, 18 Gauge, White, 6-Foot Length, Whip End |
| CS3B6W | Cord Set, 3 Conductor, 18 Gauge, Black, 6-Foot Length, Whip End |
| CS3W6P | Cord Set, 3 Conductor, 18 Gauge, White, 6-Foot Length, Straight Blade Plug |
| CS3B6P | Cord Set, 3 Conductor, 18 Gauge, Black, 6-Foot Length, Straight Blade Plug |
| CS3B6TL5 | Cord Set, 3 Conductor, 18 Gauge, Black, 6-Foot Length, Twist Lock, NEMA L5–15 (120V) |
| CS3B6TL6 | Cord Set, 3 Conductor, 18 Gauge, Black, 6-Foot Length, Twist Lock, NEMA L6–15 (240V) |
| CS3B6TL7 | Cord Set, 3 Conductor, 18 Gauge, Black, 6-Foot Length, Twist Lock, NEMA L7–15 (277V) |

FIELD INSTALLED ACCESSORIES

| | |
|------------------------|--|
| ESL-ISS-MSEN-03 | Network PIR + Daylight Sensor for LHB5 |
| ESL-OCCP-LV-01 | PIR Occupancy |
| ESL-REM100 | Occupancy Sensor Remote |
| 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:

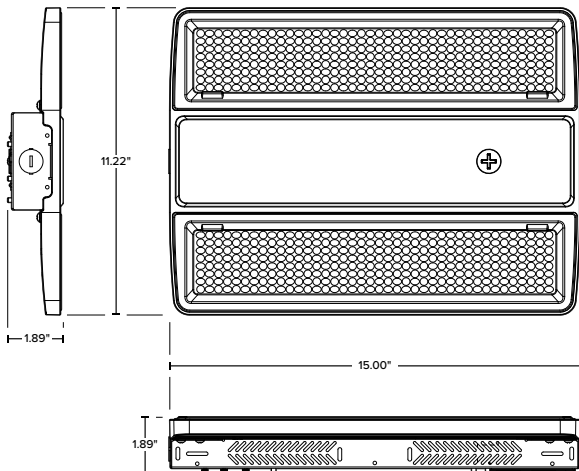
| SYSTEM WATTS | INPUT CURRENT | | | | INPUT VOLTAGE | INPUT FREQUENCY | POWER FACTOR | THD | OPERATING TEMPERATURE | SURGE PROTECTION | DIMMING |
|--------------|---------------|---------|---------|---------|---------------|-----------------|--------------|------|-----------------------------------|------------------|---------------------|
| | 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 (-40°C to 50°C) | 6kV | 0–10V 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:

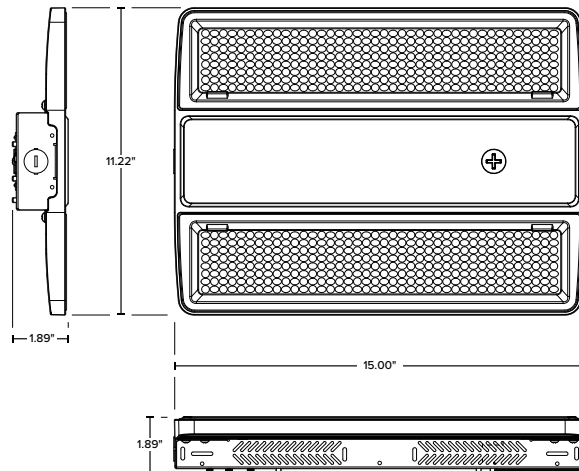
| SYSTEM WATTS | INPUT CURRENT | | | INPUT VOLTAGE | INPUT FREQUENCY | POWER FACTOR | THD | OPERATING TEMPERATURE | SURGE PROTECTION | DIMMING |
|--------------|---------------|---------|---------|---------------|-----------------|--------------|------|-----------------------------------|------------------|---------------------|
| | 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 (-40°C to 50°C) | 6kV | 0-10V 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:

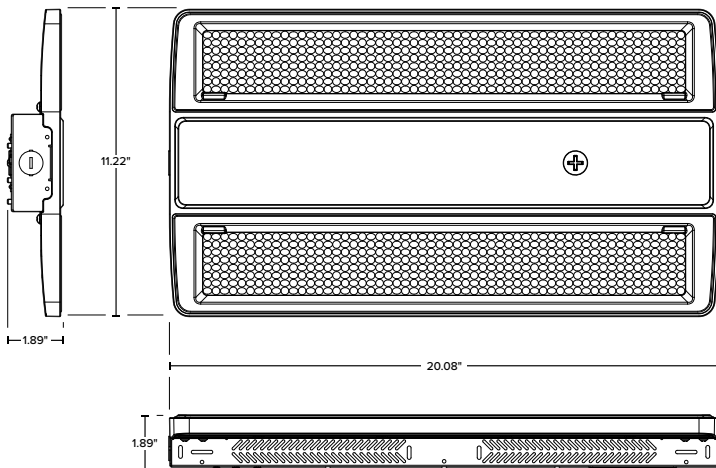
ESL-LHB-85130W-54057



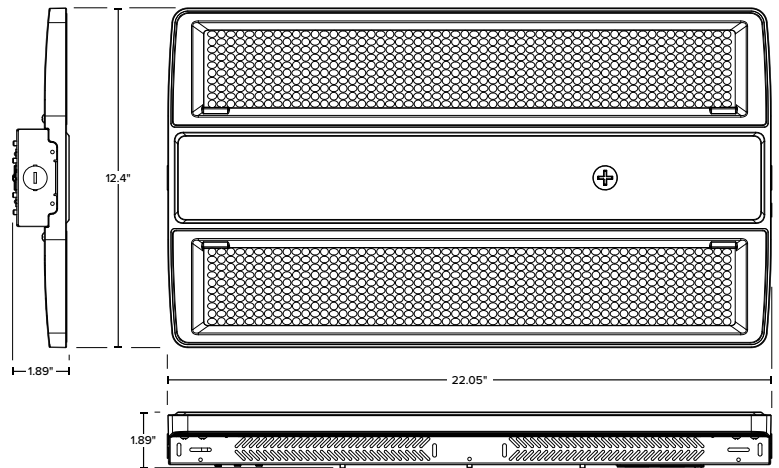
ESL-LHB-105165W-54057



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



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

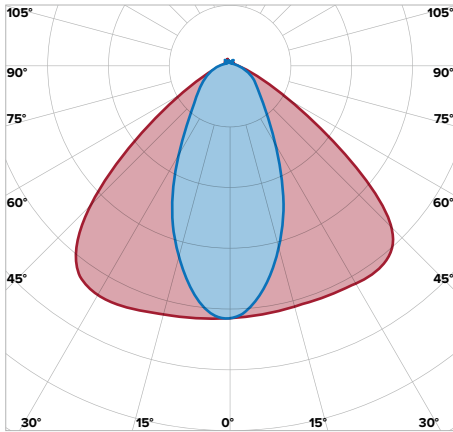


Beam Angle Diagrams:

NARROW AISLE BEAM

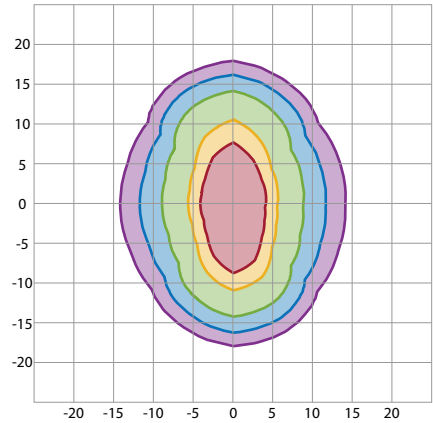
Beam Angle
45° x 100°

Polar Candela Distribution



- 0°–180° Plane
- 90°–270° Plane

Isocandela Diagram

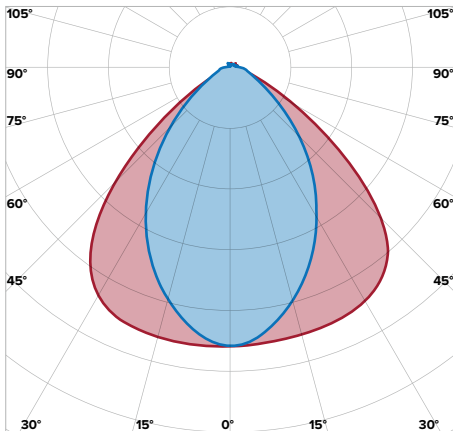


- 50%
- 30%
- 10%
- 5%
- 3%

aisle beam

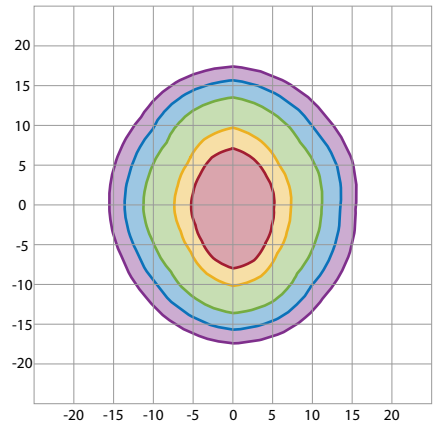
Beam Angle
70° x 100°

Polar Candela Distribution



- 0°–180° Plane
- 90°–270° Plane

Isocandela Diagram

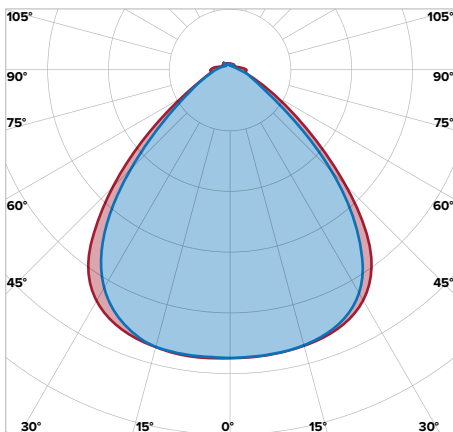


- 50%
- 30%
- 10%
- 5%
- 3%

STANDARD BEAM

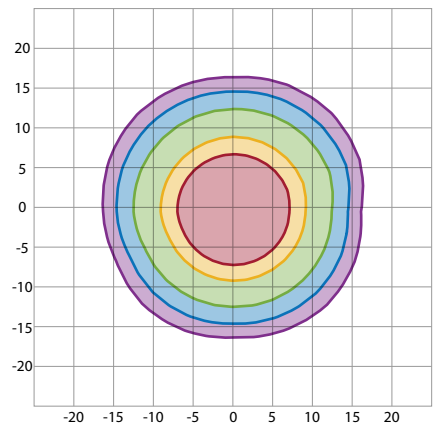
Beam Angle
90° x 90°

Polar Candela Distribution



- 0°–180° Plane
- 90°–270° Plane

Isocandela Diagram



- 50%
- 30%
- 10%
- 5%
- 3%

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 |

Standard Voltage Lumen Data Breakdown:

| ITEM# | SELECTABLE WATTAGE | SELECTABLE KELVIN | SELECTABLE BEAM ANGLE | EFFICACY (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 WATTAGE | SELECTABLE KELVIN | SELECTABLE BEAM ANGLE | EFFICACY (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 WATTAGE | SELECTABLE KELVIN | SELECTABLE BEAM ANGLE | EFFICACY (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 | |

