



## LLH Linear High Bay

### FEATURES

- 135 lpw ultra-high efficiency delivers superior performance over fluorescent and HID, saving up to 60% of energy costs
- Universal 0-10V driver for continuous dimming
- Optional Z10 receptacle simplifies adding controls

### CERTIFICATIONS

- UL Listed for dry and damp locations
- DesignLights Consortium® Premium Qualified - meets the requirements for the highest DLC qualification for efficacy and lumen maintenance

### PERFORMANCE

- Rated lifetime:
- L80: >54,000 hours @ 45°C
- L90: >36,000 hours @ 45°C
- 4000K, 5000K CCT
- CRI: >80

### ELECTRICAL

- Input voltage: 120-277V
- 0-10V dimming to <10% with dim-to-off capability
- Driver efficiency: >85%
- Power Factor: >.9
- THD: <20%
- Dimming sink current: 2mA
- Auxiliary Power: 12VDC, 100mA

### THERMAL

- -22°F to 122°F (-30°C to 50°C) operating temperature

### CONSTRUCTION

- Heavy gauge steel body with welded frame construction resists twisting and bowing
- Diffuse frosted acrylic lens to control glare (standard) or optional clear lens for higher light output (sold separately)
- 10 ft. Y-toggle aircraft cable mounting hardware included
- Built-in 2.5kV surge protection

### WARRANTY

- 5 year limited warranty. Additional warranty options available. Contact EiKO for details

|                |         |
|----------------|---------|
| project name   | type    |
| catalog number | voltage |
| approved by    | date    |



### APPLICATIONS

- Warehouses
- Manufacturing Plants
- Distribution Centers
- Grocery Stores
- Gymnasiums
- Indoor Recreational Facilities
- Cold Storage
- Big Box Retail
- Service Repair Centers

## CONFIGURATOR

| MODEL                 | LUMEN PACKAGE                                                                                                                                                                                                               | CCT                                      | VOLTAGE             | OPTIONS                |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------|------------------------|
| LLH : Linear High Bay | <b>06DX</b> - 65W; 8,800 lm<br><b>1DX</b> - 110W; 14,950 lm<br><b>2DX</b> - 162W; 21,850 lm<br><b>3DX</b> - 223W; 30,300 lm<br><b>4DX</b> - 265W; 36,000 lm<br><b>5DX</b> - 321W; 43,650 lm<br><b>7DX</b> - 425W; 57,800 lm | <b>40K</b> - 4000K<br><b>50K</b> - 5000K | <b>U</b> - 120-277V | See page 2 for options |



PERFORMANCE SUMMARY

| ORDER CODE | ITEM #         | LENGTH | WATTS | NOMINAL LUMENS | LPW | CCT   | LENS    | DIMMING | VOLTS    | REPLACES           | DLC PREMIUM |
|------------|----------------|--------|-------|----------------|-----|-------|---------|---------|----------|--------------------|-------------|
| 11340      | LLH-06DX-40K-U | 2'     | 65W   | 8,800          | 135 | 4000K | Frosted | 0-10V   | 120-277V | HBF 6x T8/4x T5    | ✓           |
| 11341      | LLH-06DX-50K-U | 2'     | 65W   | 8,800          | 135 | 5000K | Frosted | 0-10V   | 120-277V | HBF 6x T8/4x T5    | ✓           |
| 11342      | LLH-1DX-40K-U  | 2'     | 110W  | 14,950         | 135 | 4000K | Frosted | 0-10V   | 120-277V | HBF 6x T8/4x T5    | ✓           |
| 11343      | LLH-1DX-50K-U  | 2'     | 110W  | 14,950         | 135 | 5000K | Frosted | 0-10V   | 120-277V | HBF 6x T8/4x T5    | ✓           |
| 11344      | LLH-2DX-40K-U  | 2'     | 162W  | 21,850         | 135 | 4000K | Frosted | 0-10V   | 120-277V | HBF 8x T8/6x T5 HO | ✓           |
| 11345      | LLH-2DX-50K-U  | 2'     | 162W  | 21,850         | 135 | 5000K | Frosted | 0-10V   | 120-277V | HBF 8x T8/6x T5 HO | ✓           |
| 11346      | LLH-3DX-40K-U  | 2'     | 223W  | 30,300         | 135 | 4000K | Frosted | 0-10V   | 120-277V | 8x T5 HO           | ✓           |
| 11347      | LLH-3DX-50K-U  | 2'     | 223W  | 30,300         | 135 | 5000K | Frosted | 0-10V   | 120-277V | 8x T5 HO           | ✓           |
| 11348      | LLH-4DX-40K-U  | 4'     | 265W  | 36,000         | 135 | 4000K | Frosted | 0-10V   | 120-277V | 10x T5 HO          | ✓           |
| 11349      | LLH-4DX-50K-U  | 4'     | 265W  | 36,000         | 135 | 5000K | Frosted | 0-10V   | 120-277V | 10x T5 HO          | ✓           |
| 11350      | LLH-5DX-40K-U  | 4'     | 321W  | 43,650         | 135 | 4000K | Frosted | 0-10V   | 120-277V | 1000W HID          | ✓           |
| 11351      | LLH-5DX-50K-U  | 4'     | 321W  | 43,650         | 135 | 5000K | Frosted | 0-10V   | 120-277V | 1000W HID          | ✓           |
| 11352      | LLH-7DX-40K-U  | 4'     | 425W  | 57,800         | 135 | 4000K | Frosted | 0-10V   | 120-277V | 1000W HID          | ✓           |
| 11353      | LLH-7DX-50K-U  | 4'     | 425W  | 57,800         | 135 | 5000K | Frosted | 0-10V   | 120-277V | 1000W HID          | ✓           |

QUICK SHIP WITH Z10 RECEPTACLE

|       |                   |    |      |        |     |       |         |       |          |                    |   |
|-------|-------------------|----|------|--------|-----|-------|---------|-------|----------|--------------------|---|
| 12024 | LLH-1DX-50K-U-Z10 | 2' | 110W | 14,950 | 135 | 5000K | Frosted | 0-10V | 120-277V | HBF 6x T8/4x T5    | ✓ |
| 12025 | LLH-2DX-50K-U-Z10 | 2' | 162W | 21,850 | 135 | 5000K | Frosted | 0-10V | 120-277V | HBF 8x T8/6x T5 HO | ✓ |
| 12026 | LLH-3DX-50K-U-Z10 | 2' | 223W | 30,300 | 135 | 5000K | Frosted | 0-10V | 120-277V | 8x T5 HO           | ✓ |

WITH Xi-Fi WIRELESS CONTROL SYSTEM

|       |                     |    |      |        |     |       |         |       |          |                    |   |
|-------|---------------------|----|------|--------|-----|-------|---------|-------|----------|--------------------|---|
| 11354 | LLH-06DX-40K-U-XiFi | 2' | 65W  | 8,800  | 135 | 4000K | Frosted | 0-10V | 120-277V | HBF 6x T8/4x T5    | ✓ |
| 11355 | LLH-06DX-50K-U-XiFi | 2' | 65W  | 8,800  | 135 | 5000K | Frosted | 0-10V | 120-277V | HBF 6x T8/4x T5    | ✓ |
| 11356 | LLH-1DX-40K-U-XiFi  | 2' | 110W | 14,950 | 135 | 4000K | Frosted | 0-10V | 120-277V | HBF 6x T8/4x T5    | ✓ |
| 11357 | LLH-1DX-50K-U-XiFi  | 2' | 110W | 14,950 | 135 | 5000K | Frosted | 0-10V | 120-277V | HBF 6x T8/4x T5    | ✓ |
| 11358 | LLH-2DX-40K-U-XiFi  | 2' | 162W | 21,850 | 135 | 4000K | Frosted | 0-10V | 120-277V | HBF 8x T8/6x T5 HO | ✓ |
| 11359 | LLH-2DX-50K-U-XiFi  | 2' | 162W | 21,850 | 135 | 5000K | Frosted | 0-10V | 120-277V | HBF 8x T8/6x T5 HO | ✓ |
| 11360 | LLH-3DX-40K-U-XiFi  | 2' | 223W | 30,300 | 135 | 4000K | Frosted | 0-10V | 120-277V | 8x T5 HO           | ✓ |
| 11361 | LLH-3DX-50K-U-XiFi  | 2' | 223W | 30,300 | 135 | 5000K | Frosted | 0-10V | 120-277V | 8x T5 HO           | ✓ |

REQUIRED Xi-Fi ACCESSORIES

|       |               |                           |
|-------|---------------|---------------------------|
| 10893 | EC-004-2N-129 | Xi-Fi Dongle              |
| 10894 | EC-018-9N-147 | Xi-Fi Precision ID Remote |

Z10 SENSORS

|       |                |                                                                                          |
|-------|----------------|------------------------------------------------------------------------------------------|
| 11947 | SEN5A/PIR/Z10* | Sensor Passive Infrared Occupancy Bi-Level Dimming with Photocell Z10                    |
| 11931 | SEN5A/M/Z10*   | Sensor Microwave Occupancy Bi-Level Dimming with Photocell Z10                           |
| 11933 | SEN5A/CT       | Commissioning Tool for Series 5 Sensors (includes BAY-E-SEN/PIR and BAY-E-SEN/M Sensors) |

LOW VOLTAGE SENSORS

|       |                     |                                                                                                  |
|-------|---------------------|--------------------------------------------------------------------------------------------------|
| 12091 | SEN/PIR/4CBL/FM † ‡ | Sensor 12-24V DC PIR Bi-Level Dim with PC and Bluetooth Control High Bay Lens Fixture Mount IP65 |
| 12093 | LLH-SEN4C-KIT       | Mounting Kit for 4CBL Sensors                                                                    |

347/480V SENSORS

|       |           |                                                                 |
|-------|-----------|-----------------------------------------------------------------|
| 10221 | SEN-3C-KO | Sensor, 347/480V PIR OCC/PC-DDC IP66 Highbay Lens 1/2" KO Mount |
| 10226 | SEN-3-RC  | Sensor Remote Programmer for SEN-3B/3C                          |

\*Requires SEN5A/CT to commission sensor †Requires LLH-SEN4C-KIT to install ‡Requires commissioning software; contact Eiko for details

ADDITIONAL FACTORY INSTALLED OPTIONS

EXAMPLE: LLH-7DX-40K-U-EM15W

EMERGENCY BATTERIES

**EM15W** - 15W Emergency Battery  
**EM30W** - 30W Emergency Battery

SENSORS AND CONTROLS

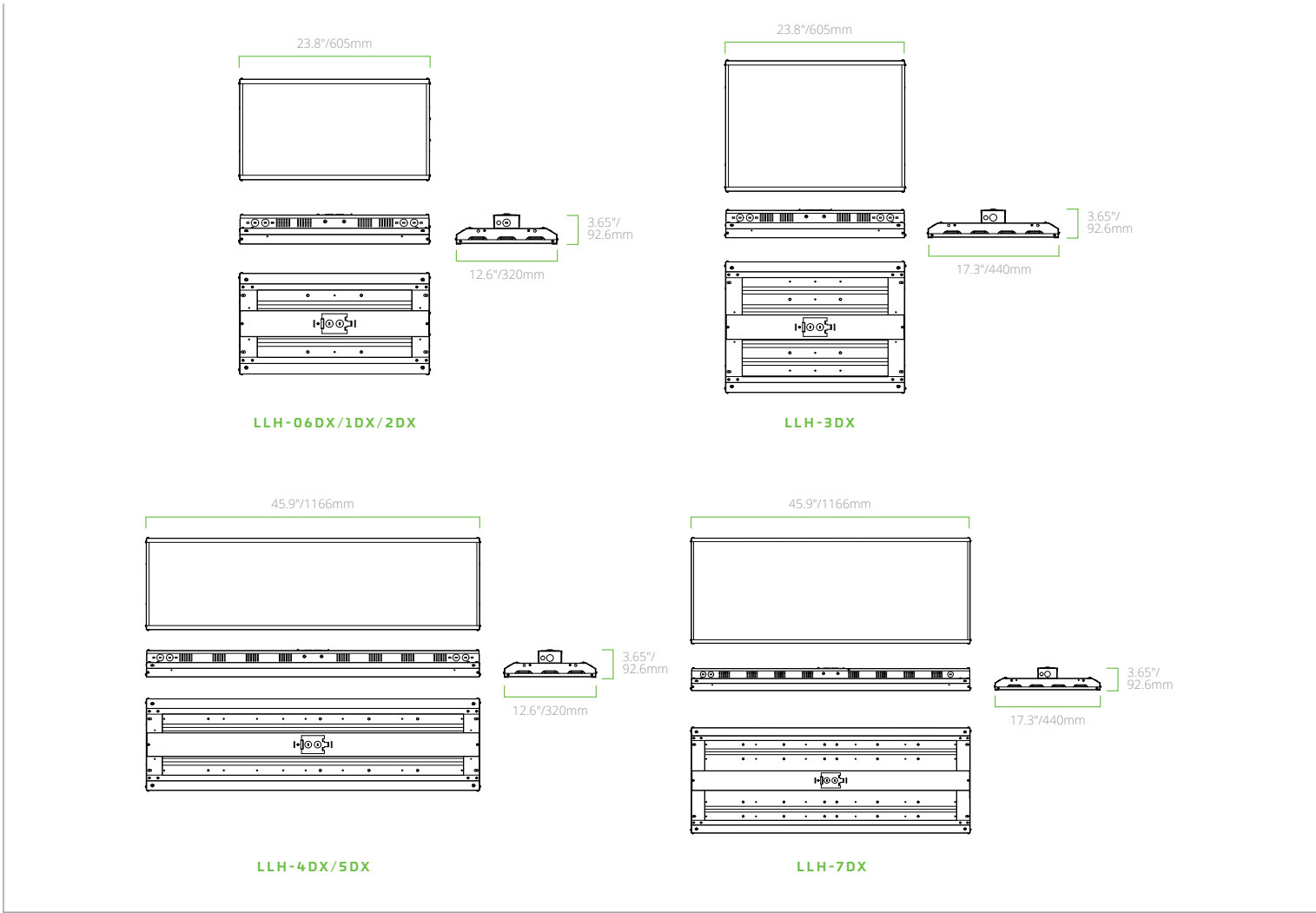
**Z10** - Add Z10 Receptacle to 120-277V LLH-DX fixtures  
**SEN4CBL** - SEN/PIR/4CBL Sensor PIR Bi-level dimming with PC IP65 Non-Mesh BLE Commissioning  
**SEN3C** - SEN-3C-KO Sensor 347/480V PIR OCC/PC-DDC IP66 with High Bay Lens †

\*120-277V only †347-480V only

ACCESSORIES

| ORDER CODE | ITEM #                  | DESCRIPTION                                                   | MODEL CROSS REFERENCE |    |    |    |    |    |    |     |     |
|------------|-------------------------|---------------------------------------------------------------|-----------------------|----|----|----|----|----|----|-----|-----|
|            |                         |                                                               | 06D                   | 1D | 2D | 3D | 4D | 5D | 7D | "U" | "V" |
| 09226      | LLH-CHAIN               | Mounting Chain for LLH, 1.05 meters (1 pair)                  | ✓                     | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓   | ✓   |
| 09336      | LLH-CL-2x1              | Clear Lens for LLH-06D, 1D & 2D- 40K/50K-U                    | ✓                     | ✓  | ✓  | ✗  | ✗  | ✗  | ✗  | ✓   | ✓   |
| 09337      | LLH-CL-2x1.5            | Clear Lens for LLH-3D-40K/50K-U                               | ✗                     | ✗  | ✗  | ✓  | ✗  | ✗  | ✗  | ✓   | ✓   |
| 09338      | LLH-CL-4x1              | Clear Lens for LLH-4D & 5D-40K/50K-U                          | ✗                     | ✗  | ✗  | ✗  | ✓  | ✓  | ✗  | ✓   | ✓   |
| 09700      | LLH-CL-4x1.5            | Clear Lens for LLH-7D-40K/50K-U                               | ✗                     | ✗  | ✗  | ✗  | ✗  | ✗  | ✓  | ✓   | ✓   |
| 09339      | LLH-FL-2x1              | Frosted Lens for LLH-06D, 1D & 2D-40K/50K-U                   | ✓                     | ✓  | ✓  | ✗  | ✗  | ✗  | ✗  | ✓   | ✓   |
| 09340      | LLH-FL-2x1.5            | Frosted Lens for LLH-3D-40K/50K-U                             | ✗                     | ✗  | ✗  | ✓  | ✗  | ✗  | ✗  | ✓   | ✓   |
| 09341      | LLH-FL-4x1              | Frosted Lens for LLH-4D & 5D-40K/50K-U                        | ✗                     | ✗  | ✗  | ✗  | ✓  | ✓  | ✗  | ✓   | ✓   |
| 09701      | LLH-FL-4x1.5            | Frosted Lens for LLH-7D-40K/50K-U                             | ✗                     | ✗  | ✗  | ✗  | ✗  | ✗  | ✓  | ✓   | ✓   |
| 09227      | LLH-PENDANT BOX         | Pendant Box for 120/277V LLH, 1/2" Nominal Pipe Diameter      | ✓                     | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓   | ✗   |
| 09906      | LLH-PENDANT BOX-347/480 | Pendant Box for 347/480V LLH, 1/2" Nominal Pipe Diameter      | ✓                     | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✗   | ✓   |
| 09818      | LLH-SMK-1               | Surface Mount Kit, 12.6"                                      | ✓                     | ✓  | ✓  | ✗  | ✓  | ✓  | ✗  | ✓   | ✓   |
| 09819      | LLH-SMK-2               | Surface Mount Kit, 17.3"                                      | ✗                     | ✗  | ✗  | ✓  | ✗  | ✗  | ✓  | ✓   | ✓   |
| 09230      | LLH-V HOOK-1            | V-Hook for LLH-06D, 1D, 2D, 4D & 5D-40K/50K-U                 | ✓                     | ✓  | ✓  | ✗  | ✓  | ✓  | ✗  | ✓   | ✓   |
| 09229      | LLH-V HOOK-1.5          | V-Hook for LLH-3D & 7D-40K/50K-U                              | ✗                     | ✗  | ✗  | ✓  | ✗  | ✗  | ✓  | ✓   | ✓   |
| 09222      | LLH-WG-2x1              | Wireguard for LLH-06D,1D & 2D-40K/50K-U                       | ✓                     | ✓  | ✓  | ✗  | ✗  | ✗  | ✗  | ✓   | ✓   |
| 09223      | LLH-WG-2x1.5            | Wireguard for LLH-3D-40K/50K-U                                | ✗                     | ✗  | ✗  | ✓  | ✗  | ✗  | ✗  | ✓   | ✓   |
| 09224      | LLH-WG-4x1              | Wireguard for LLH-4D & 5D-40K/50K-U                           | ✗                     | ✗  | ✗  | ✗  | ✓  | ✓  | ✗  | ✓   | ✓   |
| 09702      | LLH-WG-4x1.5            | Wire Guard for LLH-7D-40K/50K-U                               | ✗                     | ✗  | ✗  | ✗  | ✗  | ✗  | ✓  | ✓   | ✓   |
| 11243      | LLH-SMSA-KO             | Side Mounted Sensor Adapter for KO Sensors (for LLH-D series) | ✓                     | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓   | ✓   |

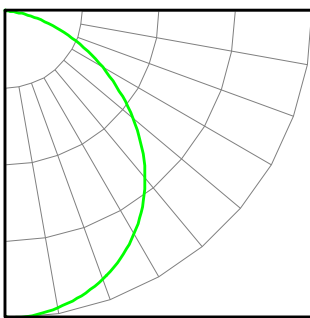
PRODUCT DIMENSIONS



# PHOTOMETRICS

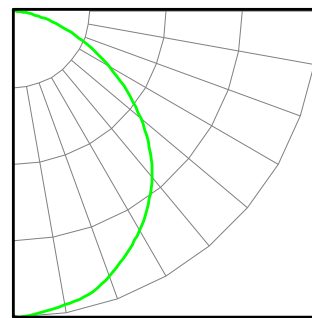
## LLH-06DX-xxK-U

| ZONAL LUMEN SUMMARY |         |          |
|---------------------|---------|----------|
| ZONE                | LUMENS  | %FIXTURE |
| 0-30                | 2585.29 | 29.8%    |
| 0-40                | 4203.82 | 48.5%    |
| 0-60                | 7158.26 | 82.6%    |
| 0-80                | 8535.37 | 98.5%    |
| 0-90                | 8637.16 | 99.7%    |
| 60-80               | 1377.11 | 15.9%    |
| 70-80               | 458.35  | 5.3%     |
| 80-90               | 101.78  | 1.2%     |
| 0-180               | 8666.25 | 100%     |



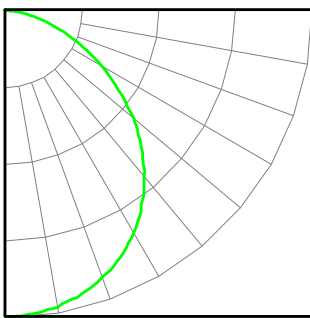
## LLH-1DX-xxK-U

| ZONAL LUMEN SUMMARY |          |          |
|---------------------|----------|----------|
| ZONE                | LUMENS   | %FIXTURE |
| 0-30                | 4283.36  | 29.3%    |
| 0-40                | 6975.94  | 47.8%    |
| 0-60                | 11970.4  | 82.0%    |
| 0-80                | 14348.38 | 98.3%    |
| 0-90                | 14538.11 | 99.6%    |
| 60-80               | 2377.98  | 16.3%    |
| 70-80               | 806.61   | 5.5%     |
| 80-90               | 189.73   | 1.3%     |
| 0-180               | 14601.15 | 100%     |



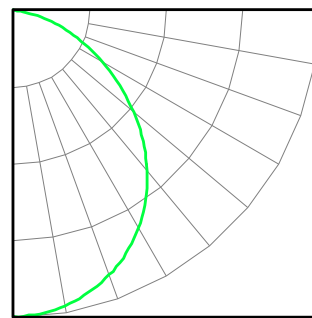
## LLH-2DX-xxK-U

| ZONAL LUMEN SUMMARY |          |          |
|---------------------|----------|----------|
| ZONE                | LUMENS   | %FIXTURE |
| 0-30                | 6231.83  | 29.7%    |
| 0-40                | 10154.29 | 48.3%    |
| 0-60                | 17328.75 | 82.5%    |
| 0-80                | 20686.54 | 98.4%    |
| 0-90                | 20950.58 | 99.7%    |
| 60-80               | 3357.78  | 16.0%    |
| 70-80               | 1123.45  | 5.3%     |
| 80-90               | 264.04   | 1.3%     |
| 0-180               | 21013.38 | 100%     |



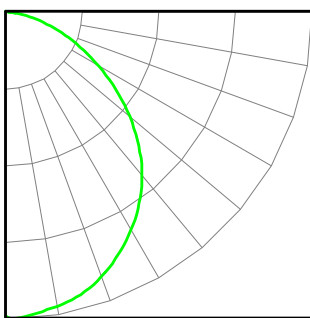
## LLH-3DX-xxK-U

| ZONAL LUMEN SUMMARY |          |          |
|---------------------|----------|----------|
| ZONE                | LUMENS   | %FIXTURE |
| 0-30                | 8729.89  | 29.7%    |
| 0-40                | 14176.79 | 48.3%    |
| 0-60                | 24098.56 | 82.1%    |
| 0-80                | 28865.1  | 98.3%    |
| 0-90                | 29242.87 | 99.6%    |
| 60-80               | 4766.54  | 16.2%    |
| 70-80               | 1622.66  | 5.5%     |
| 80-90               | 377.78   | 1.3%     |
| 0-180               | 29353.39 | 100%     |



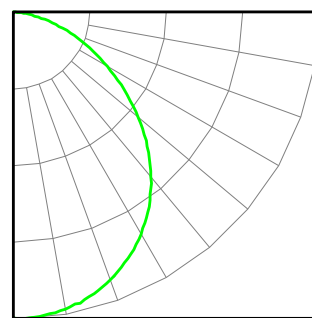
## LLH-4DX-xxK-U

| ZONAL LUMEN SUMMARY |          |          |
|---------------------|----------|----------|
| ZONE                | LUMENS   | %FIXTURE |
| 0-30                | 10647.26 | 29.5%    |
| 0-40                | 17319.89 | 48.0%    |
| 0-60                | 29630.68 | 82.1%    |
| 0-80                | 35513.12 | 98.4%    |
| 0-90                | 35981.54 | 99.7%    |
| 60-80               | 5882.44  | 16.3%    |
| 70-80               | 2001.7   | 5.5%     |
| 80-90               | 468.42   | 1.3%     |
| 0-180               | 36106.27 | 100%     |



## LLH-5DX-xxK-U

| ZONAL LUMEN SUMMARY |          |          |
|---------------------|----------|----------|
| ZONE                | LUMENS   | %FIXTURE |
| 0-30                | 12521.07 | 29.9%    |
| 0-40                | 20331.76 | 48.6%    |
| 0-60                | 34537.26 | 82.5%    |
| 0-80                | 41230.07 | 98.5%    |
| 0-90                | 41723.97 | 99.7%    |
| 60-80               | 6692.8   | 16.0%    |
| 70-80               | 2247.91  | 5.4%     |
| 80-90               | 493.90   | 1.2%     |
| 0-180               | 41841.74 | 100%     |



## LLH-7DX-xxK-U

| ZONAL LUMEN SUMMARY |          |          |
|---------------------|----------|----------|
| ZONE                | LUMENS   | %FIXTURE |
| 0-30                | 17144.64 | 29.2%    |
| 0-40                | 28005.92 | 47.7%    |
| 0-60                | 48180.53 | 82.1%    |
| 0-80                | 57754.55 | 98.4%    |
| 0-90                | 58515.54 | 99.7%    |
| 60-80               | 9574.02  | 16.3%    |
| 70-80               | 3243.1   | 5.5%     |
| 80-90               | 760.99   | 1.3%     |
| 0-180               | 58714.3  | 100%     |

