



## LLH : LED LINEAR HIGHBAY

### DESCRIPTION

A rugged, high-value LED solution for highbay and lowbay applications, replacing multi-lamp luminaires/fixtures/troffers or up to 1000 watt HID fixtures.

### FEATURES

- >130 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

### LISTINGS

- 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 L70  
>100,000 @ 40°C (104°F)  
>72,000 @ 50°C (122°F)
- 4000K, 5000K CCT
- CRI: 80+

### ELECTRICAL

- Input voltage: 120-277V, 347-480V
- Dimmable power supply (0-10V)
- Driver efficiency: >85%
- Power Factor: >.9
- THD: <20%
- Dimming sink current: 2mA

### 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; see eiko.com for warranty details

project name	type
catalog number	
comments	voltage
approved by	date



LLH-06D/1D/2D



LLH-3D



LLH-4D/5D



LLH-7D

### APPLICATIONS

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



## ORDERING INFORMATION

EXAMPLE: LLH-4D-50K-U

Model	Lumen Package	CCT	Voltage	Sensor
LLH : LED Linear Highbay	<b>06D</b> - 65W; 8,450 lm <b>1D</b> - 110W; 14,400 lm <b>2D</b> - 162W; 21,000 lm <b>3D</b> - 223W; 29,000 lm <b>4D</b> - 265W; 34,500 lm <b>5D</b> - 321W; 42,000 lm <b>7D</b> - 425W; 55,000 lm	<b>40K</b> - 4000K <b>50K</b> - 5000K	<b>U</b> - 120-277V <b>V</b> - 347-480V	<a href="#">See Sensor Overview</a>

## PERFORMANCE SUMMARY

Order Code	Item #	Length	Watts	Nominal Lumens	LPW	CCT	Lens	Dimming	Volts	Replaces	DLC Premium
10568	LLH-06D-40K-U	2'	65W	8,450	130	4000K	Frosted	0-10V	120-277V	HBF 6x T8/4x T5	
10570	LLH-06D-50K-U	2'	65W	8,450	130	5000K	Frosted	0-10V	120-277V	HBF 6x T8/4x T5	✓
10571	LLH-1D-40K-U	2'	110W	14,400	130	4000K	Frosted	0-10V	120-277V	HBF 6x T8/4x T5	
10572	LLH-1D-50K-U	2'	110W	14,400	130	5000K	Frosted	0-10V	120-277V	HBF 6x T8/4x T5	✓
10573	LLH-1D-40K-V	2'	110W	14,400	130	4000K	Frosted	0-10V	347-480V	HBF 6x T8/4x T5	
10576	LLH-1D-50K-V	2'	110W	14,400	130	5000K	Frosted	0-10V	347-480V	HBF 6x T8/4x T5	✓
10579	LLH-2D-40K-U	2'	162W	21,000	130	4000K	Frosted	0-10V	120-277V	HBF 8x T8/6x T5 HO	
10582	LLH-2D-50K-U	2'	162W	21,000	130	5000K	Frosted	0-10V	120-277V	HBF 8x T8/6x T5 HO	✓
10585	LLH-2D-40K-V	2'	162W	21,000	130	4000K	Frosted	0-10V	347-480V	HBF 8x T8/6x T5 HO	
10588	LLH-2D-50K-V	2'	162W	21,000	130	5000K	Frosted	0-10V	347-480V	HBF 8x T8/6x T5 HO	✓
10590	LLH-3D-40K-U	2'	223W	29,000	130	4000K	Frosted	0-10V	120-277V	8x T5 HO	
10593	LLH-3D-50K-U	2'	223W	29,000	130	5000K	Frosted	0-10V	120-277V	8x T5 HO	✓
10595	LLH-3D-40K-V	2'	223W	29,000	130	4000K	Frosted	0-10V	347-480V	8x T5 HO	
10596	LLH-3D-50K-V	2'	223W	29,000	130	5000K	Frosted	0-10V	347-480V	8x T5 HO	✓
10597	LLH-4D-40K-U	4'	265W	34,500	130	4000K	Frosted	0-10V	120-277V	10x T5 HO	
10599	LLH-4D-50K-U	4'	265W	34,500	130	5000K	Frosted	0-10V	120-277V	10x T5 HO	✓
10602	LLH-4D-40K-V	4'	265W	34,500	130	4000K	Frosted	0-10V	347-480V	10x T5 HO	
10604	LLH-4D-50K-V	4'	265W	34,500	130	5000K	Frosted	0-10V	347-480V	10x T5 HO	✓
10605	LLH-5D-40K-U	4'	321W	42,000	130	4000K	Frosted	0-10V	120-277V	1000W HID	
10606	LLH-5D-50K-U	4'	321W	42,000	130	5000K	Frosted	0-10V	120-277V	1000W HID	✓
10607	LLH-5D-40K-V	4'	321W	42,000	130	4000K	Frosted	0-10V	347-480V	1000W HID	
10608	LLH-5D-50K-V	4'	321W	42,000	130	5000K	Frosted	0-10V	347-480V	1000W HID	✓
10609	LLH-7D-40K-U	4'	425W	55,000	130	4000K	Frosted	0-10V	120-277V	1000W HID	
10610	LLH-7D-50K-U	4'	425W	55,000	130	5000K	Frosted	0-10V	120-277V	1000W HID	✓
10611	LLH-7D-40K-V	4'	425W	55,000	130	4000K	Frosted	0-10V	347-480V	1000W HID	
10612	LLH-7D-50K-V	4'	425W	55,000	130	5000K	Frosted	0-10V	347-480V	1000W HID	✓

### WITH QUICK SHIP SENSOR

10616	LLH-1D-50K-U-S1A †	2'	110W	14,400	130	5000K	Frosted	0-10V	120-277V	HBF 6x T8/4x T5	✓
10618	LLH-2D-50K-U-S1A †	2'	162W	21,000	130	5000K	Frosted	0-10V	120-277V	HBF 8x T8/6x T5 HO	✓
10620	LLH-3D-50K-U-S1A †	2'	223W	29,000	130	5000K	Frosted	0-10V	120-277V	8x T5 HO	✓

✓DesignLights Consortium® Premium Qualified †Quick Ship Sensor Option - EIKO S1A Sensor

## FIXTURE SIZE CROSS REFERENCE

Fixture sizes are different; please refer to chart below for current fixture size.

LLH-C SERIES	Fixture Size	LLH-D SERIES						
		06D	1D	2D	3D	4D	5D	7D
1C	1x2	🍃	🍃	🍃				
2C	1.5x2				🍃			
3C	1x4					🍃	🍃	
4C	1.5x4							🍃
5C								

\*For reference only; refer to performance summary above for fixture performance.

## AVAILABLE ACCESSORIES

Order Code	Item #	Description
09850	FHSCP-UNV-10.7WL	10.7W Emergency Battery Backup
09852	FHSCP-UNV-13.7WL	13.7W Emergency Battery Backup
09854	FHSCP-UNV-17WL	17W Emergency Battery Backup
09849	FHSCP-UNV-5WL	5W Emergency Battery Backup
09851	FHSCP-UNV-7.8WL	7.8W Emergency Battery Backup
09226	LLH-CHAIN	Mounting Chain for LLH, 1.05 meters (1 pair)
09336	LLH-CL-2x1	Clear Lens for LLH-1C-xxK-U
09337	LLH-CL-2x1.5	Clear Lens for LLH-2C-xxK-U
09338	LLH-CL-4x1	Clear Lens for LLH-3C-xxK-U
09700	LLH-CL-4x1.5	Replacement Clear Lens for LLH-4C-xxK-U, LLH-5C-xxK-U
09339	LLH-FL-2x1	Replacement Frosted Lens for LLH-1C-xxK-U
09340	LLH-FL-2x1.5	Replacement Frosted Lens for LLH-2C-xxK-U
09341	LLH-FL-4x1	Replacement Frosted Lens for LLH-3C-xxK-U
09701	LLH-FL-4x1.5	Replacement Frosted Lens for LLH-4C-xxK-U, LLH-5C-xxK-U

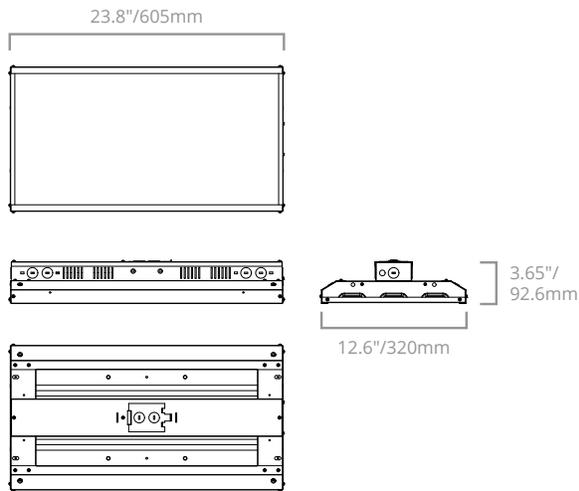
Order Code	Item #	Description
09227	LLH-PENDANT BOX	Pendant Box for 120/277V LLH, 1/2" Nominal Pipe Dia.
09906	LLH-PENDANT BOX-347/480	Pendant Box for 347/480V LLH, 1/2" Nominal Pipe Diameter
09818	LLH-SMK-1	Surface Mount Kit, 12.6"
09819	LLH-SMK-2	Surface Mount Kit, 17.3"
09230	LLH-V HOOK-1	V-Hook (1 pair) for LLH-1C-xxK-U, LLH-3C-xxK-U
09229	LLH-V HOOK-1.5	V-Hook (1 pair) for LLH-2C-xxK-U, LLH-4C-xxK-U, LLH-5C-xxK-U
09222	LLH-WG-2x1	Wireguard for LLH-1C-xxK-U
09223	LLH-WG-2x1.5	Wireguard for LLH-2C-xxK-U
09224	LLH-WG-4x1	Wireguard for LLH-3C-xxK-U
09702	LLH-WG-4x1.5	Wireguard for LLH-4C-xxK-U, LLH-5C-xxK-U
08845	LLH-YTK	Y-Toggle Cable - 10 ft. (1 only/2 needed per order)

For sensor options, see EIKO Sensor Overview at [eiko.com](http://eiko.com) 

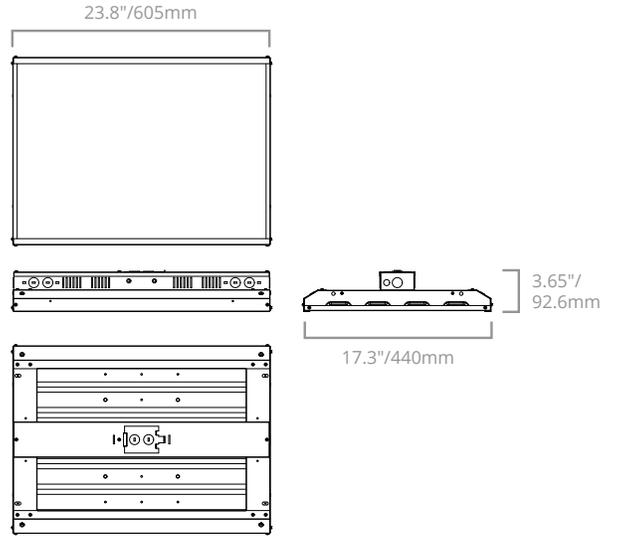
## ACCESSORIES CROSS REFERENCE

Order Code	Item #	Description	06D	1D	2D	3D	4D	5D	7D	"U"	"V"
09850	FHSCP-UNV-10.7WL	10.7W Emergency Battery Backup	✓	✓	✓	✓	✓	✓	✓		
09852	FHSCP-UNV-13.7WL	13.7W Emergency Battery Backup	✓	✓	✓	✓	✓	✓	✓		
09854	FHSCP-UNV-17WL	17W Emergency Battery Backup	✓	✓	✓	✓	✓	✓	✓	✓	✗
09849	FHSCP-UNV-5WL	5W Emergency Battery Backup	✓	✓	✓	✓	✓	✓	✓		
09851	FHSCP-UNV-7.8WL	7.8W Emergency Battery Backup	✓	✓	✓	✓	✓	✓	✓		
09226	LLH-CHAIN	Mounting Chain for LLH, 1.05 meters (1 pair)	✓	✓	✓	✓	✓	✓	✓	✓	✓
09336	LLH-CL-2x1	Clear Lens for LLH-1C-xxK-U	✓	✓	✓	✗	✗	✗	✗	✓	✓
09337	LLH-CL-2x1.5	Clear Lens for LLH-2C-xxK-U	✗	✗	✗	✓	✗	✗	✗	✓	✓
09338	LLH-CL-4x1	Clear Lens for LLH-3C-xxK-U	✗	✗	✗	✗	✓	✓	✗	✓	✓
09700	LLH-CL-4x1.5	Replacement Clear Lens for LLH-4C-xxK-U, LLH-5C-xxK-U	✗	✗	✗	✗	✗	✗	✓	✓	✓
09339	LLH-FL-2x1	Replacement Frosted Lens for LLH-1C-xxK-U	✓	✓	✓	✗	✗	✗	✗	✓	✓
09340	LLH-FL-2x1.5	Replacement Frosted Lens for LLH-2C-xxK-U	✗	✗	✗	✓	✗	✗	✗	✓	✓
09341	LLH-FL-4x1	Replacement Frosted Lens for LLH-3C-xxK-U	✗	✗	✗	✗	✓	✓	✗	✓	✓
09701	LLH-FL-4x1.5	Replacement Frosted Lens for LLH-4C-xxK-U, LLH-5C-xxK-U	✗	✗	✗	✗	✗	✗	✓	✓	✓
09227	LLH-PENDANT BOX	Pendant Box for 120/277V LLH, 1/2" Nominal Pipe Dia.	✓	✓	✓	✓	✓	✓	✓	✓	✗
09906	LLH-PENDANT BOX-347/480	Pendant Box for 347/480V LLH, 1/2" Nominal Pipe Dia.	✓	✓	✓	✓	✓	✓	✓	✗	✓
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 (1 pair) for LLH-1C-xxK-U, LLH-3C-xxK-U	✓	✓	✓	✗	✓	✓	✗	✓	✓
09229	LLH-V HOOK-1.5	V-Hook (1 pair) for LLH-2C-xxK-U, LLH-4C-xxK-U, LLH-5C-xxK-U	✗	✗	✗	✓	✗	✗	✓	✓	✓
09222	LLH-WG-2x1	Wireguard for LLH-1C-xxK-U	✓	✓	✓	✗	✗	✗	✗	✓	✓
09223	LLH-WG-2x1.5	Wireguard for LLH-2C-xxK-U	✗	✗	✗	✓	✗	✗	✗	✓	✓
09224	LLH-WG-4x1	Wireguard for LLH-3C-xxK-U	✗	✗	✗	✗	✓	✓	✗	✓	✓
09702	LLH-WG-4x1.5	Wireguard for LLH-4C-xxK-U, LLH-5C-xxK-U	✗	✗	✗	✗	✗	✗	✓	✓	✓
08845	LLH-YTK	Y-Toggle Cable - 10 ft. (1 only/2 needed per order)	✓	✓	✓	✓	✓	✓	✓	✓	✓

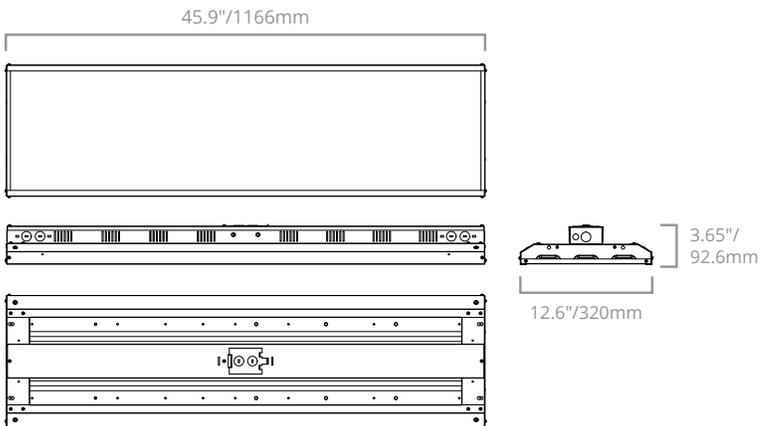
# DIMENSIONS



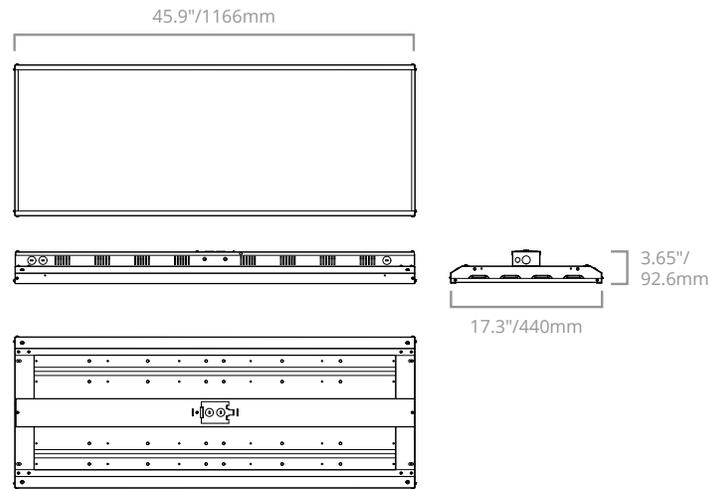
LLH-06D/1D/2D



LLH-3D



LLH-4D/5D

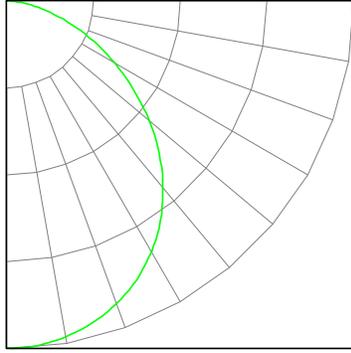


LLH-7D

# PHOTOMETRICS

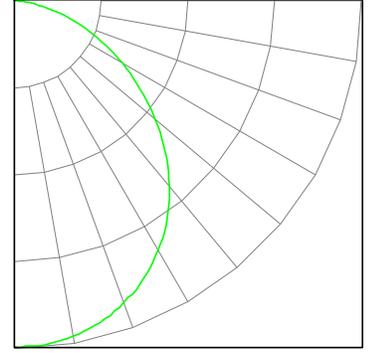
LLH-06D-xxK-y

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	2415.38	29.8%
0-40	3925.65	48.4%
0-60	6674.89	82.4%
0-80	7968.02	98.3%
0-90	8066.81	99.5%
60-80	1293.13	16.0%
70-80	434.40	5.4%
80-90	98.79	1.2%
0-180	8105.08	100%



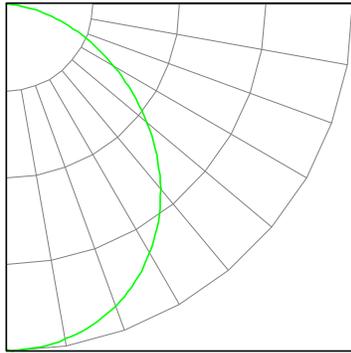
LLH-1D-xxK-y

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	4124.4	29.8%
0-40	6690.37	48.3%
0-60	11369.92	82.1%
0-80	13618.25	98.4%
0-90	13797.97	99.7%
60-80	2248.33	16.2%
70-80	763.37	5.5%
80-90	179.72	1.3%
0-180	13841.93	100%



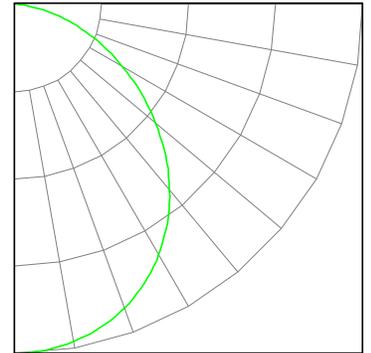
LLH-2D-xxK-y

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	6085.76	30.0%
0-40	9850.05	48.6%
0-60	16662.35	82.2%
0-80	19931.55	98.3%
0-90	20202.57	99.6%
60-80	3269.19	16.1%
70-80	1114.31	5.5%
80-90	271.02	1.3%
0-180	20273.93	100%



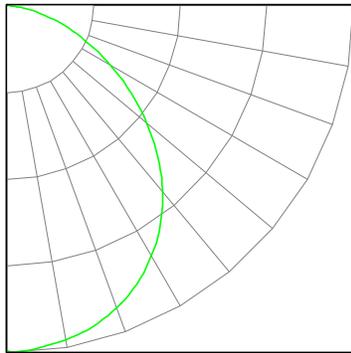
LLH-3D-xxK-y

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	8224.91	29.9%
0-40	13331.08	48.5%
0-60	22593.37	82.2%
0-80	27035.74	98.3%
0-90	27392.8	99.6%
60-80	4442.36	16.2%
70-80	1514.17	5.5%
80-90	357.07	1.3%
0-180	27496.39	100%



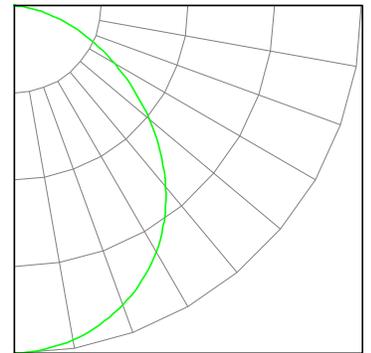
LLH-4D-xxK-y

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	10218.99	29.8%
0-40	16619.88	48.5%
0-60	28250.23	82.5%
0-80	33703.2	98.4%
0-90	34124.94	99.6%
60-80	5452.98	15.9%
70-80	1835.73	5.4%
80-90	421.73	1.2%
0-180	34253.9	100%



LLH-5D-xxK-y

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	11957.77	29.8%
0-40	19397.12	48.4%
0-60	32941.45	82.2%
0-80	39411.08	98.4%
0-90	39927.84	99.7%
60-80	6469.63	16.1%
70-80	2197.49	5.5%
80-90	516.76	1.3%
0-180	40067.53	100%



LLH-7D-xxK-y

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	16296.36	29.7%
0-40	26494.6	48.2%
0-60	45140.66	82.2%
0-80	54066.22	98.4%
0-90	54795.46	99.8%
60-80	8925.56	16.2%
70-80	3030.24	5.5%
80-90	729.24	1.3%
0-180	54931.57	100%

