Linear Highbay: Bolt-Line
3-Power Selectable

2ft

4ft

Detail Specifications
- Finish: White, Custom finishes available
- IP Rating: Damp Location
- Beam Angle: 110°
- Chip: SMD 2835, R9 >50, CRI >80
- Operating Temperature: -4° - 122° F
- Lens: Clear Prismatic Ribbed
  - Low Glare
- Average life (L70) of 70,000 hours

Applications:
- Warehouse/Distribution Facility
- Utility & Storage
- Garage Structures
- Commercial and Industrial

Product Information:
- Aluminum housing finished with corrosion free power coat
- Replace existing fixtures or use in new construction
- Easy maintenance: driver access from front
- Instant-On to full brightness
- Twist-C Control: Control ready receptacle built into each fixture

Driver Options:
- UNV: 120-277V 0-10V Dimmable
- HV: 347-480V 0-10V Dimmable
- THD: <20% (+/-5% tolerance), PF >0.9, 50/60Hz

Mounting & Installation:
- 3.5' adjustable suspension kit included
- Optional 10 & 20' adjustable suspension kit available
- Optional 6' chain kit available
- Optional surface mount kit available
- Optional pendant mount kit available

Certifications:
- UL Listed for USA and CA
- DLC Premium Listed
- ROHS Compliant
- Approved for CA T24
- 5 Year Limited Warranty
- FCC CFR 47, GCC Part 15, Subpart B:2017

WATT	LUMENS
60	8,700
80	11,600
110	15,950
125	18,125
150	21,750
165	23,925
180	26,100
200	29,000
220	31,900
260	37,700
290	42,050
320	46,400

High Bay Luminaires - DLC Product ID:	
LED-LHB-2FT-3P110-F-40K-UNV	PLIWUESBD5IU
LED-LHB-2FT-3P110-F-50K-UNV	PLIWUESBD5IU
LED-LHB-2FT-3P165-F-40K-UNV	PLZM71M24QLR
LED-LHB-2FT-3P165-F-50K-UNV	PLZM71M24QLR

Series	-	CCT	-	Voltage¹	-	Whip²	-	Plug	-	Optic	-	EMB
LED-LHB-2FT-3P110-F 60/80/110W • 120-277V		**40K** 4000K		**UNV** 120-277V		**(Blank)** No Whip		**(Blank)** Hardwire		**(Blank)** 110° Standard		**(Blank)** No Emergency Back-Up
LED-LHB-2FT-3P165-F 125/150/165W • 120-277V		**50K** 5000K		**HV ¹** 347-480V		**-6** 6ft Whip 3-Wire		**SB** 5-15P Straight Blade Plug		**30D ³** 30°		**EMB** 90 Min. Emergency Back-up
						-10 10ft Whip 3-Wire		**TL** L5-15P Twist Lock Plug				
						-20 20ft Whip 3-Wire						
						-6F 6' Whip 5-Wire						
						-10F 10' Whip 5-Wire						
						-20F 20' Whip 5-Wire						

1. HV: High voltage is made to order.

2. 3-wire: for non-dimming or twist-c sensor applications.
   5-wire: for 0-10v dimming applications. Emergency models will ship standard with extra emergency wire.

3. 30D only available on 4ft models

Optional Accessories (Order Separately)

Suspension Kits
SK-10FT-Y-LC-PD 10' Y-Shape, Loop Top, Paddle Bottom (Adjustable Length)
SK-20FT-Y-LC-PD 20' Y-Shape, Loop Top, Paddle Bottom (Adjustable Length)
SK-10FT-Y-LC-CB 10' Y-Shape, Loop Top, Carabiner Bottom (Adjustable Length)
SK-20FT-Y-LC-CB 20' Y-Shape, Loop Top, Carabiner Bottom (Adjustable Length)
CK-6FT-V 6' chain hanging kit

Mounting Kits
LHB-3P-PDM 165W, 220W, 320W Pendant Mount Kit
LHB-3P-SM 165W, 220W, 320W Surface Mount Kit

Wire Guards
LHB-2FT-WG 2ft 110 & 165W
LHB-3P-4FT-WG 2ft 220 & 320W

Whips (Field Install)
6'-WHIP-1/2KO 6' Whip
10'-WHIP-1/2KO 10' Whip Custom whips to size available
20'-WHIP-1/2KO 20' Whip Custom whips to size available

Sensors¹
S-TWC-PIR -ON/OFF PIR Sensor On/Off Only 5/10/15min
S-TWC-PIR-1 PIR Bi-Level Motion + Daylight Sensor (Remote Req'd)
S-TWC-PIR-SL PIR SILVAIR Bluetooth Mesh + Daylight Sensor
S-TWC-PIR-BT PIR ENVISIONLS Bluetooth Control

Sensor Remote
S-LINE-R Remote for S-Line Sensor
ENVISION CONNECT Bluetooth smart app. Download on Apple or Android app store.
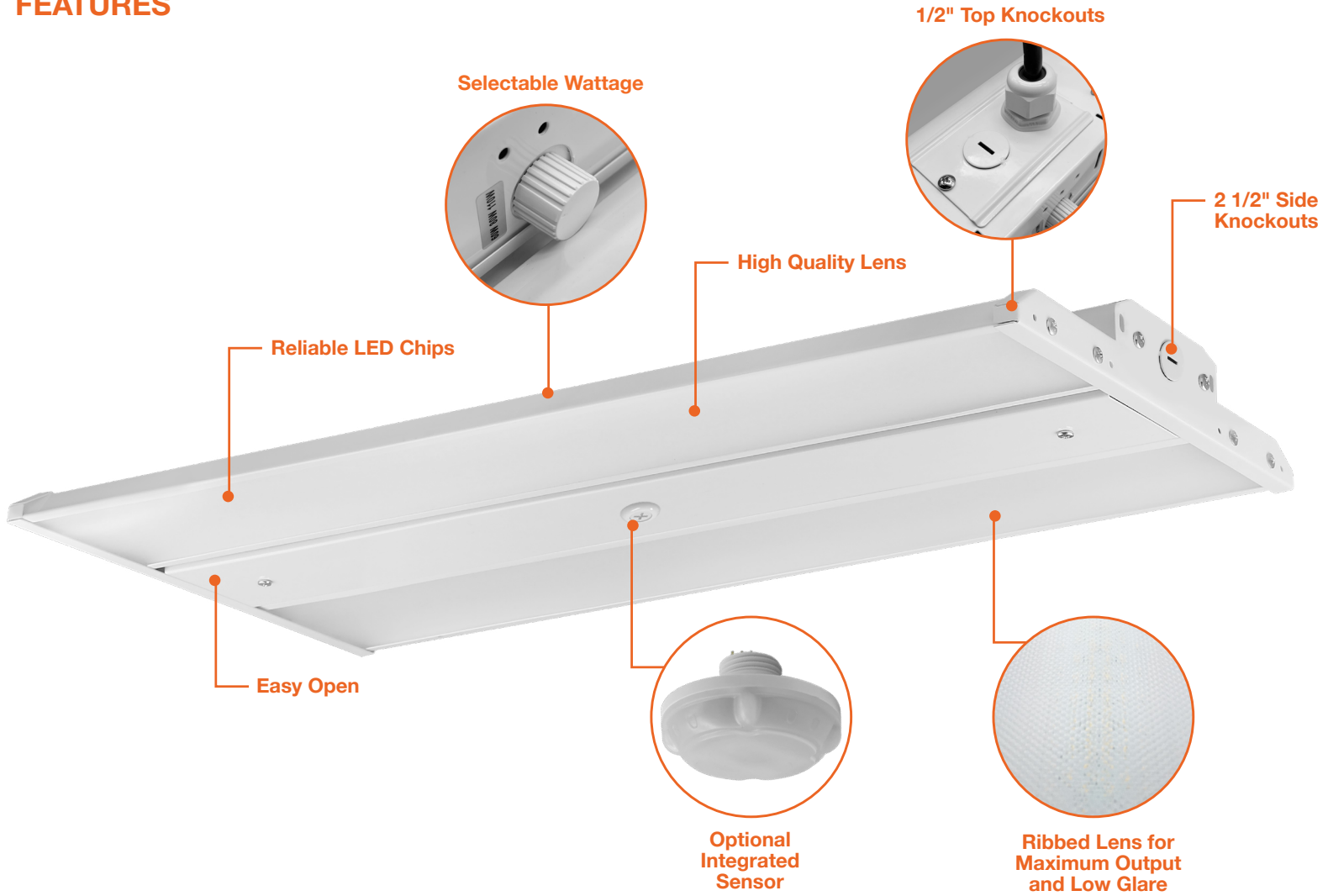
1. Sensor Note:
   Microwave: Detects motion through barriers such as walls, and doors. Ideal for applications where obstacles might obstruct the line of sight. Works effectively outdoors, in large open spaces, & parking lots. Do not use in areas of high vibrations or metal.
   PIR: Ideal for indoor environments with clear lines of sight to the area of interest. Detects warm objects, like a person or animal. Good for high vibration, areas of metal.

Linear Highbay: Bolt-Line
3-Power Selectable

FEATURES

Selectable Wattage

1/2" Top Knockouts

2 1/2" Side Knockouts

High Quality Lens

Reliable LED Chips

Easy Open

Optional Integrated Sensor

Ribbed Lens for Maximum Output and Low Glare

DIMENSIONS

10"

24.6"

3P110W

11.75"

24.6"

3P165W

2.3"

46"

11.75"

3P220/320W
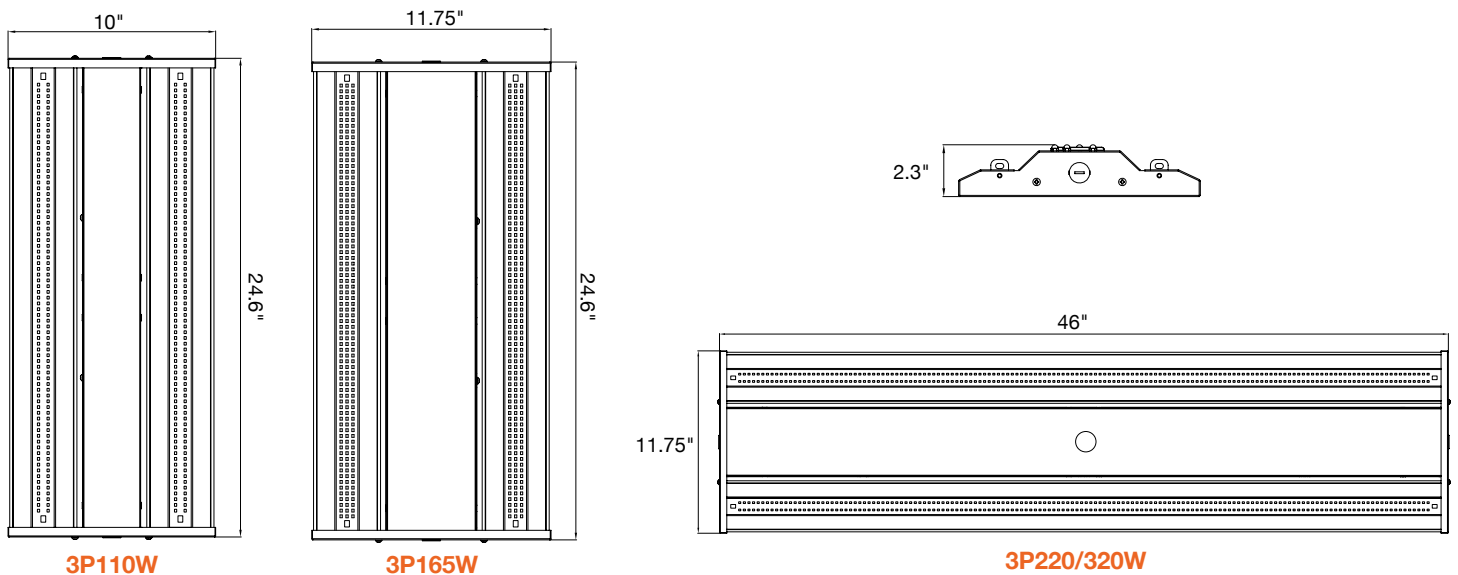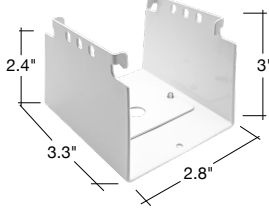
ACCESSORIES

SK-10FT-Y-LC-PD
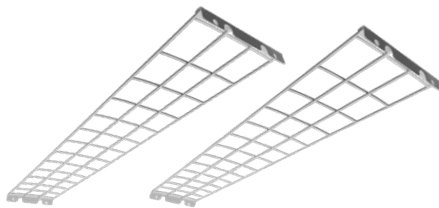SK-20FT-Y-LC-PD

SK-10FT-Y-LC-CB
SK-20FT-Y-LC-CB

CK-6FT-V
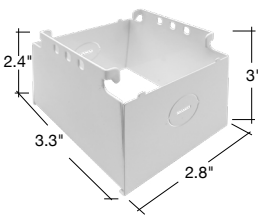
Pendant Mount 2ft
LHB-2FT-3P-PDM
Center Hole Size .85"

**Surface Mount 2ft
(2 Pcs)**
LHB-2FT-3P-SM
Center Hole Size 1"
Center Hole Size
w/ Plate .43"

LHB-2FT-WG
LHB-3P-4FT-WG

6'-WHIP-1/2KO
10'-WHIP-1/2KO
20'-WHIP-1/2KO

S-TWC-PIR
-ON/OFF

S-TWC-PIR-1
S-TWC-PIR-SL
S-TWC-PIR-BT

S-LINE-R
Controller

SB
5-15P Straight
Blade Plug

TL
L5-15P Twist
Lock Plug

HIGHBAY FIXTURE

Accessory Model	Description
LED-LHB-2FT-3P110-F-40K-UNV	Linear Highbay 2ft 3 Power Select w/ Twist-It Technology
LED-LHB-2FT-3P110-F-50K-UNV	Linear Highbay 2ft 3 Power Select w/ Twist-It Technology
LED-LHB-2FT-3P165-F-40K-UNV	Linear Highbay 2ft 3 Power Select w/ Twist-It Technology
LED-LHB-2FT-3P165-F-50K-UNV	Linear Highbay 2ft 3 Power Select w/ Twist-It Technology
LED-LHB-4FT-3P220W-F-40K-UNV	Linear Highbay 4ft 3 Power Select w/ Twist-It Technology
LED-LHB-4FT-3P220W-F-50K-UNV	Linear Highbay 4ft 3 Power Select w/ Twist-It Technology
LED-LHB-4FT-3P320W-F-40K-UNV	Linear Highbay 4ft 3 Power Select w/ Twist-It Technology
LED-LHB-4FT-3P320W-F-UNV-50K	Linear Highbay 4ft 3 Power Select w/ Twist-It Technology

SUSPENSION KITS

Accessory	Description
SK-10FT-Y-LC-PD	10' Y-Shape, Loop Top, Paddle Bottom (Adjustable Length)
SK-20FT-Y-LC-PD	20' Y-Shape, Loop Top, Paddle Bottom (Adjustable Length)
SK-10FT-Y-LC-CB	10' Y-Shape, Loop Top, Carabiner Bottom (Adjustable Length)
SK-20FT-Y-LC-CB	20' Y-Shape, Loop Top, Carabiner Bottom (Adjustable Length)
CK-6FT-V	6' Chain Hanging Kit

MOUNTING KITS

Accessory Model	Description
LHB-3P-PDM	LHB: Pendant mount bracket up to 320W
LHB-3P-SM	LHB: Surface mount bracket up to 320W

WIRE GUARDS

Accessory Model	Description
LHB-2FT-WG	Linear Highbay Wire Guard 2ft
LHB-3P-4FT-WG	Linear Highbay Wire Guard 4ft

WHIPS (FIELD INSTALL)

Accessory Model	Description
6'-WHIP-1/2KO	6' Whip
10'-WHIP-1/2KO	10' Whip
20'-WHIP-1/2KO	20' Whip

SENSORS

Accessory Model	Description
S-TWC-PIR-ON/OFF	PIR Sensor On/Off Only 5/10/15min
S-TWC-PIR-1	PIR Bi-Level Motion + Daylight Sensor (Remote Req'd)
S-TWC-PIR-SL	PIR SILVAIR Bluetooth Mesh + Daylight Sensor
S-TWC-PIR-BT	PIR ENVISIONLS Bluetooth Control

SENSOR REMOTE

Accessory Model	Description
S-LINE-R	Remote for S-Line Sensor
ENVISION CONNECT	Bluetooth smart app. Download on Apple and Android.

PLUG

Accessory Model	Description
SB	5-15P Straight Blade Plug
TL	L5-15P Twist Lock Plug

Control Options

EnVision LED offers 3 control systems compatible with our LED Fixtures for projects of all sizes and budgets.

	Basic Controls	EnVision LS 🔵	EnVisionLED. X SILVAIR 🔵
Description	Standard Plug In Sensors	Basic Bluetooth Wireless Control	Advanced Bluetooth Wireless Control
Recommended Quantity (but not limited to)	N/A	>40-50 Nodes	>50 Nodes
Maximum Zone Quantity	N/A	100	3,000
Commissioning Tool	Remote Only	ENVISIONLS App	SILVAIR App
Commissioning Process	Individually Set via Remote	Wireless Must be done on site	Wireless- Initial linking must be done on site. Commissioning can be done via desktop remotely.
Floor Plan Upload	N/A	N/A	Yes Add a floor plan and mark luminaires & zones via desktop
Gateway	N/A	N/A	Required only for energy monitoring, advanced scheduling, automated demand response.
Individual Luminaire Control	Yes	Yes	Yes
Luminaire Grouping Zoning	N/A	Yes	Yes
High End Power Low End Power	Yes but limited (View Remote)	Yes	Yes
Cost	$	$$	$$$
DLC NLC Listed	N/A	Yes	Yes
Energy Monitoring & Data Reporting	N/A	N/A	Monitor energy usage per individual zone & retrofit cost savings calculation + detailed reporting

EnVision offers a variety of nodes, sensors, & gateways that are controlled via remote, ENVISIONLS Bluetooth Mesh & SILVAIR Bluetooth Mesh on all of our 0-10V dimmable fixtures.

AREA LIGHTS	BOLLARDS	CANOPIES	CYLINDERS	DOWNLIGHTS	SURFACE LIGHTS
PANELS	STRIPS	TROFFERS	HIGH BAYS (UFO)	HIGH BAYS (LINEAR)	WALL PACKS
FLOOD LIGHTS	VAPOR TIGHTS	WRAPS	ARCHITECTURAL	STAIRWELL	

Individual Fixture Controls: PIR Sensor, Bi-Level Dimming, Daylight

Basic Note: **-1** • ENVISIONLS Models Note: **-BT** • SILVAIR Models Note: **-SL**

	MODEL #	DESIGN	RECOMMENDED FIXTURE	FEATURES
	S-TWC-PIR-1 S-TWC-PIR-BT S-TWC-PIR-SL	Twist-C Control Sensor	Sensor Ready Fixtures: Area Lights, Canopies, Flood Lights, High Bays	All models are equipped with PIR occupancy sensing, high & low end bi-level dimming, & daylight sensing.
	S-TWC-90 + S-TWC-PIR-1 S-TWC-90 + S-TWC-PIR-BT S-TWC-90 + S-TWC-PIR-SL	Twist-C Control Sensor + 90 Degree Arm	Cylinders, Strips, Wall Packs	
	S-AUD-PIR-1 S-AUD-PIR-BT S-AUD-PIR-SL	2.5m Audio Jack	Panels & Troffers	
	S-SN-PIR-1 S-SN-PIR-BT S-SN-PIR-SL	Snap In Sensor	Troffers & Wraps	

Group Controls   ENVISIONLS Models Note : **-BT** • SILVAIR Models Note: **-SL**

	MODEL #	DESIGN	VOLTAGE	FEATURES	RECOMMENDED FEATURES
	S-CM-PIR-LV-BT S-CM-PIR-LV-SL	Ceiling Mounted PIR Sensor	12-24V	PIR Sensor, Bi-Level Dimming, Daylight, 360° detection, 12' Max Mounting Height	Connects to 0-10V dimmable fixtures
	S-WM-PIR-CUNV-BT S-WM-PIR-CUNV-SL	Wall Mounted PIR Occupancy Sensor, Bi-Level Dimming, Daylight	120-277V	On/Off PIR occupancy sensor, 180° detection, 30' detection @ 4' Mounting Height	Connects to LED fixtures
	S-WS-120V-USB-SL		120V	Dimming Wall Socket, Two Sockets	Floor Lamps, Other Lamps

Gateway   (Silvair Only) 4.5–5.5 V DC, 2A Power over Ethernet 36–57 V DC

	MODEL #	DESIGN	VOLTAGE	FEATURES	RECOMMENDED FEATURES
	SGW-102	Wall or Ceiling Mounted	POE	Advanced Energy Monitoring Control	Connects to Silvair Controls. Gateway is not required.