

OPTIC-Line: Linear High Bays

3-CCT & 3-Power & 3-Beam Angle Selectable

Linear Highbay



WATT	LUMENS
60	9,000
85	12,750
105	15,750
110	16,500
130	19,500
165	24,750
180	27,000
215	32,250
240	36,000
260	39,000
290	43,500
320	48,000

Detail Specifications

- Finish: White
- IP Rating: Damp Location
 - Beam Angle Selectable: 45x100°/70x100°/90x90°
- 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:

- Di-cast aluminum housing finished with corrosion free power coat
- Replace existing fixtures or use in new construction
- Compact design for easier installation
- Select-n-Switch Technology: 3-CCT & 3-Power & 3-Beam Angle Selectable
- Twist-C Control: Control ready receptacle built into each fixture
 - Basic Sensors
 - SILVAIR Bluetooth Mesh
 - ENVISIONLS Bluetooth
 - [Click Here](#) for More Information

Driver Options:

- UNV: 120-347V 0-10V Dimmable
- HV: 277-480V Step Down Transformer Option
- 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
 - Pending ETA 02/2025
- ROHS Compliant
- Approved for CA T24
- 5 Year Limited Warranty
- FCC CFR 47, GCC Part 15, Subpart B:2017

Series	Voltage	Whip ¹	Plug	EMB
LED-LHB-OPT-3P105-CTRI	UNV 120-347V	(Blank)	(Blank)	(Blank)
LED-LHB-OPT-3P165-CTRI	HV	No Whip	Hardwire	No
LED-LHB-OPT-3P240-CTRI	277-480V	-6	SB	Emergency
LED-LHB-OPT-3P320-CTRI		6ft Whip	5-15P	Back-Up
		3-Wire	Straight	EMB
		-10	Blade	90 Min.
		10ft Whip	Plug	Emergency
		3-Wire	TL	Back-up
		-20	L5-15P	
		20ft Whip	Twist	
		3-Wire	Lock	
		-6F	Plug	
		6' Whip		
		5-Wire		
		-10F		
		10' Whip		
		5-Wire		
		-20F		
		20' Whip		
		5-Wire		

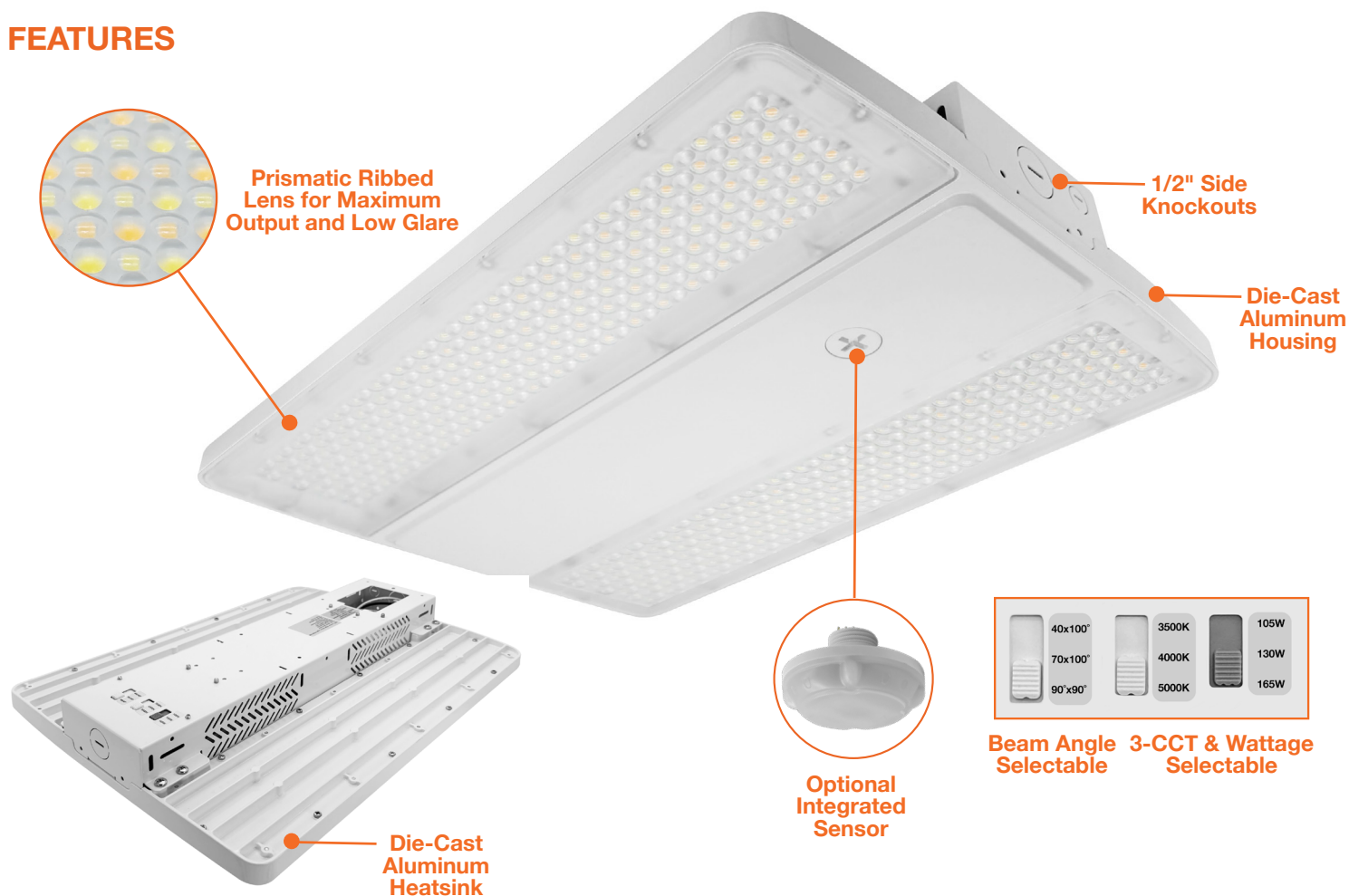
1. 3-wire: for non-dimming or twist-c sensor applications.
5-wire: for 0-10v dimming applications. Emergency models will ship standard with extra emergency wire.

Optional Accessories (Order Separately)

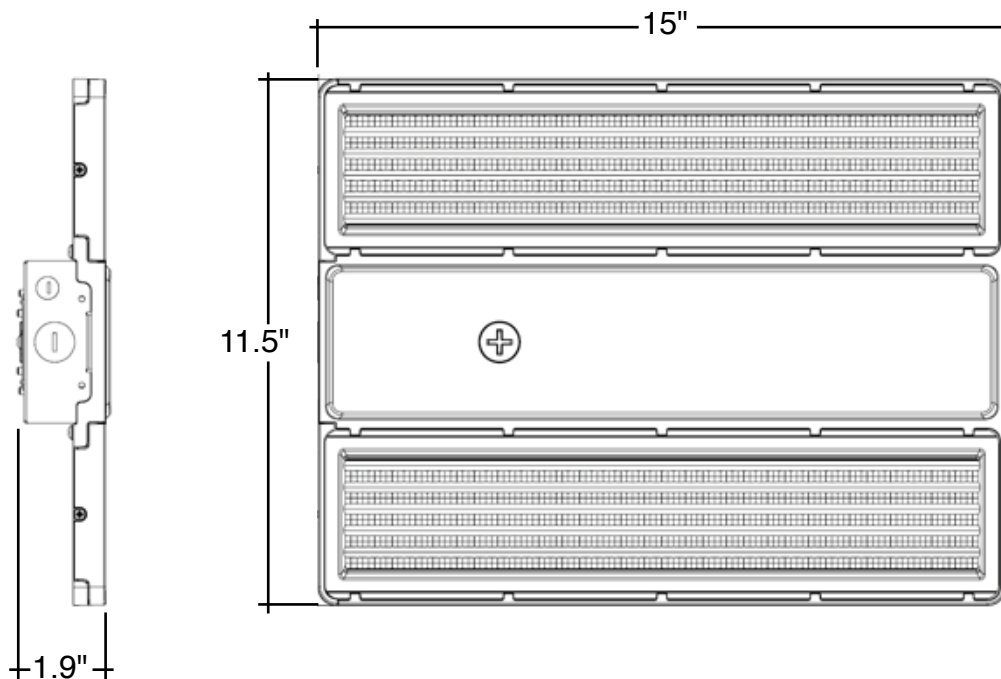
Suspension Kits	Mounting Kits ¹	3-Wire Whips (Field Install)	Sensors ¹	Sensor Remote
SK-10FT-Y-LC-PD 10' Y-Shape, Loop Top, Paddle Bottom (Adjustable Length)	LHB-OPT-PDM Pendant Mount Kit	6'-WHIP-1/2KO 6' Whip	S-TWC-PIR-ON/OFF PIR Sensor On/Off Only	S-LINE-R Remote for S-TWC-PIR-1 (Required)
SK-20FT-Y-LC-PD 20' Y-Shape, Loop Top, Paddle Bottom (Adjustable Length)	LHB-OPT-SM Surface Mount Kit	10'-WHIP-1/2KO 10' Whip	S-TWC-PIR-1 PIR Bi-Level Motion + Daylight Sensor (Remote Req'd)	SILVAIR Bluetooth mesh.
SK-10FT-Y-LC-CB 10' Y-Shape, Loop Top, Carabiner Bottom (Adjustable Length)		20'-WHIP-1/2KO 20' Whip	S-TWC-PIR-SL PIR SILVAIR Bluetooth Mesh	Download on Apple or Android app store.
SK-20FT-Y-LC-CB 20' Y-Shape, Loop Top, Carabiner Bottom (Adjustable Length)		Custom whips to size available	S-TWC-PIR-BT PIR ENVISIONLS Bluetooth Control	ENVISIONLS Bluetooth smart app. Download on Apple or Android app store.
CK-6FT-V 6' chain hanging kit		Custom whips to size available		

Specs and model numbers are subject to change with or without notice.

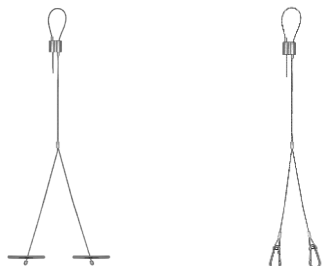
FEATURES



DIMENSIONS



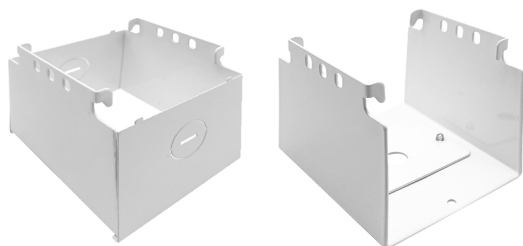
ACCESSORIES



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



CK-6FT-V



LHB-OPT-PDM

LHB-OPT-SM



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

Model	Voltage	Watts	Lumens	Color	CRI
LED-LHB-OPT-3P105-CTRI-UNV	120-347V	105/85/60w	145lm/w	4000k	>80
LED-LHB-OPT-3P165-CTRI-UNV	120-347V	165/130/110w	145lm/w	5000k	>80
LED-LHB-OPT-3P240-CTRI-UNV	120-347V	240/215/180w	145lm/w	4000k	>80
LED-LHB-OPT-3P320-CTRI-UNV	120-347V	320/290/260w	145lm/w	5000k	>80

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-OPT-PDM	LHB: Pendant mount bracket for OPT
LHB-OPT-SM	LHB: Surface mount bracket for OPT

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
S-TWC-PIR-BT	PIR ENVISIONLS Bluetooth Control



SENSOR REMOTE

Accessory Model	Description
S-LINE-R	Remote for S-Line Sensor
SILVAIR	Bluetooth mesh. Download on Apple or Android app store.
ENVISIONLS	Bluetooth smart app. Download on Apple or Android app store.



EnVisionLED™ Control Options

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

	Basic Controls	EnVisionLS 	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



Compatible Products:

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.



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.